mori S.r.l.

take care of your business

INDUSTRIAL CATALOG

MORI
mori
MRO

HISTORY
HISTORIQUE
STORIA

mori s.p.a.
take care of your business

From past to future

History and tradition are the pillars of our company. What we are now able to offer our customers is the result of 70 years of presence, experience and know-how in the marketplace. All this has made of us an excellent term of reference in the field of industrial supplies and solutions.
The reason for the confidence that increasingly large numbers of companies place in MORI SPA has roots in a distant past, to be sure; but these roots are now nurtured by our present-day management team which has the ability to move with the times and hence grasp the needs of a market in constant evolution.
Since its founding in 1935, MORI SPA has developed from a strictly local company to one which has become well known and respected at the international level. Our aim is to keep growing in the same way that we have been doing up till now: that is, side by side with our customers and constantly updating our technology in order to anticipate and meet their demands.

Solutions

Finding solutions to our customers' problems and needs is what MORI SPA's growth, research and efficiency is especially geared towards achieving. The MRO (Maintenance, Repair and Operations) Division ensures our customers an innovative system for the supply, stock management and automation of the whole logistics process.
Today, in an ever-developing industrial scenario, a company wishing to maintain and expand its market share is required to reassess the buying and maintenance processes which it has adopted till now. When this occurs, low-price solutions are never the winning card. Rather, it is vital to find a supplier who can become a real partner for the company and who can guarantee a service which combines both solutions and products.
Since the product is no longer the sole pivot of the manufacturer-distributor relationship, the ability of the distributor to coordinate and ensure fully effective warehousing and supply flows is what makes the decisive difference.
Supply chain efficiency thus becomes a question of establishing a two-way working relationship to guarantee a correct exchange of information.
The supplier must be capable of recommending the best technologies with a view to maximising results, customising services, optimising schedules and costs and, finally, offering a consultancy service for every specific case.

All this is MORI SPA.

Du passé à l'avenir

L'histoire et les traditions sont les points forts de notre réalité. En effet, ce qu'aujourd'hui nous sommes en mesure d'offrir à nos Clients est le résultat de 70 ans de présence sur le marché, d'expérience, de savoir faire qui nous permettent de nous présenter comme une société d'excellence dans le domaine des fournitures et des solutions industrielles.
La confiance que de plus en plus de sociétés nous portent a des racines lointaines qui s'unissent aujourd'hui à notre grande capacité de grandir et de comprendre les nouvelles exigences d'un marché en évolution constante.
La MORI SPA depuis 1935 est arrivée jusqu'à nos jours en représentant un morceau d'histoire d'entrepreneurs régionaux qui ont su atteindre un niveau international. Notre objectif est de continuer à grandir comme nous l'avons fait jusqu'à présent, toujours à côté de nos Clients pour mieux répondre à chacune de leur exigence, en avançant des solutions et en investissant dans la technologie.

Solutions

C'est certainement le domaine où apparaissent plus aisément la croissance, la recherche et l'efficacité de la MORI SPA. La Division MRO (Maintenance, Réparation et Opérativité) assure aujourd'hui un système innovant d'approvisionnement, de gestion du stock et d'informatisation complète du parcours logistique.
La réalité industrielle qui évolue continuellement demande, de plus en plus aux entreprises qui souhaitent rester protagonistes sur le marché, de revoir les processus d'achat et de maintenance jusqu'à présent valables. Dans ce contexte, la recherche du prix de plus en plus bas ne constitue en rien une carte gagnante.
Il est, par contre, fondamental de trouver un fournisseur en mesure de devenir un vrai partenaire qui épaule l'entreprise avec la garantie d'un service intégré de solutions allant au-delà des simples produits.
Ce n'est plus uniquement le produit qui compte dans la relation entre le producteur et le distributeur mais, surtout, la capacité de ce dernier à coordonner et garantir la plein opérativité du magasin et des flux des marchandises.
Il s'agît d'établir une relation bi directionnelle qui assure des échanges corrects et des renseignements qui nous permettent d'arriver à une amélioration de toute la chaîne de fourniture.
Le fournisseur doit, donc, être en mesure de conseiller le client sur les meilleurs technologies pour obtenir des résultats maximaux, personnaliser le service, optimiser les délais et les coûts et d'offrir des consultations pour chaque cas spécifique.

Tout cela c'est MORI SPA.

Dal passato al futuro

La storia e la tradizione sono i punti di forza della nostra realtà. Perché quello che oggi siamo in grado di offrire ai nostri Clienti è il risultato di 70 anni di presenza sul mercato, di esperienza, conoscenze che ci consentono di porci attualmente come una società d'eccellenza nel campo delle forniture e delle soluzioni industriali.
La fiducia che ormai sempre più Società ripongono in noi ha radici lontane che si uniscono oggi con la grande capacità di crescere e comprendere le nuove esigenze di un mercato in continua evoluzione messa in campo dal nostro corpo dirigente.
La MORI SPA dal 1935 è arrivata fino ad oggi rappresentando un pezzo di storia dell'imprenditoria che da locale ha ormai acquisito un respiro internazionale.
Il nostro obiettivo è continuare a crescere come abbiamo fatto fino ad ora, accanto ai nostri Clienti per rispondere sempre ad ogni esigenza, anticipando soluzioni, crescendo in tecnologia.

Soluzioni

E' certamente questo il settore dove appaiono più evidenti la crescita, la ricerca e l'efficienza della MORI SPA. La Divisione MRO (Maintenance, Repair and Operations) garantisce oggi ai nostri Clienti un innovativo sistema di approvvigionamento, gestione delle scorte, informatizzazione dell'intero percorso logistico.
La realtà industriale in continua evoluzione infatti richiede oggi alle aziende che vogliono rimanere protagoniste sul mercato di rivedere i processi di acquisto e manutenzione ritenuti validi fino ad ora.
In questo contesto, la ricerca del prezzo più basso non è certo la carta vincente. E' fondamentale invece trovare un fornitore in grado di diventare un vero e proprio partner, che si affianca all'azienda per garantire un servizio integrato di soluzioni oltre che di prodotti.
Non è più infatti unicamente il prodotto ciò che conta nella relazione tra produttore e distributore, ma la capacità di quest'ultimo di coordinare e garantire la piena operatività del magazzino e dei flussi di merce.
Si tratta di stabilire una relazione bidirezionale che assicuri scambi corretti di informazioni per arrivare ad un miglioramento di tutta la catena di fornitura.
Il fornitore deve essere in grado di suggerire al cliente le migliori tecnologie per ottenere massimi risultati, personalizzare il servizio, ottimizzare tempi e costi, offrire consulenza per ogni caso specifico.

E tutto questo è MORI SPA.

mori s.p.a.

take care of your business

CONTACTS
CONTACTS
CONTATTI

address
adresse
indirizzo

V.le Buonarroti, 6
26845 CODOGNO (LO)

phone
téléphone
telefono

0039 0377 33024
0039 0377 33134

fax

0039 0377 36867

e-mail

info@morionline.it

web

www.morionline.it

OUR SPECIAL CATALOGS
NOS CATALOGUES SPÉCIAUX
I NOSTRI CATALOGHI SPECIALI

mori s.p.a.
take care of your business

BEARING CATALOG
CATALOGUE DES ROULEMENTS
CATALOGO CUSCINETTI

CHAIN CATALOG
CATALOGUE DES CHAÎNES
CATALOGO CATENE

CHECK-ALL VALVE CATALOG
CATALOGUE CHECK-ALL VALVE
CATALOGO CHECK-ALL VALVE

mori s.p.a.
take care of your business

ORDER FORM
COMMANDE FORM
ORDINI

mori s.p.a.
take care of your business

V.le Buonarroti, 6
26845 CODOGNO (LO)
tel. 0039 0377 33024 - 36867
fax 0039 037736867
e-mail: info@morionline.it

_____ OF _____

* DATE/TIME _____
* CONTACT NAME _____
* PHONE # _____
* Required fields
* Acknowledgment should be sent to: Fax/e-mail: _____

INVOICE INFORMATION

*PO _____
*COMPANY NAME _____
*ADDRESS _____
_____
*CITY _____
*STATE/PROV. _____
*POSTAL CODE _____
*COUNTRY _____
*REQUESTED SHIP DATE _____
_____

SHIPPING INFORMATION

*PO _____
*COMPANY NAME _____
ADDRESS _____
_____
CITY _____
STATE/PROV. _____
POSTAL CODE _____
COUNTRY _____
*SHIP VIA GROUND _____
SPECIAL INSTRUCTION _____
_____

LINE ITEMS

QTY	CODE	DESCRIPTION

mori s.p.a.

take care of your business

The Mori SpA has inside one shop for the assemblage of hoses and fittings. The FINN-POWER machines with electronic control guarantee the quality of the assemblage.

La Mori SpA est dotée d'un atelier pour l'assemblage de tuyaux oléodynamiques. Les machines FINN-POWER à contrôle électronique garantissent la qualité de l'assemblage.

La Mori SpA è dotata al suo interno di un'officina per l'assemblaggio di tubi oleodinamici. Le macchine FINN-POWER a controllo elettronico garantiscono la qualità dell'assemblaggio.

Our store guarantees 60000 product codes ready

Notre magasin garantit 60000 codes produit prêts.

Il nostro magazzino garantisce 60000 codici prodotto pronti

mori s.p.a.

take care of your business

OFFICIAL PARTNERS

SKF

B1EMME
Special Components Division

CheckAll VALVE

MTG

MERLETT TECNOPLASTIC

REXNORD
PRECISION. POWER. PERFORMANCE.

TEXROPE®

RJ Carr
RUOTE E SUPPORTI PER CARRELLI

Transmission coupler

GATES toothed v-belts 3
V-belts. 5
Classical joinable belts 15
Metallic joints 15
Raw-edge narrow-section v-belts 16
Multiple v-ribbed belts 18
Synchronous toothed belts 20
"T" Polyurethane toothed belts 23
"AT" Polyurethane toothed belts 26
Toothed belts 28
Powergrip toothed pulleys for positive belts 31
"T" metric pitch toothed pulleys 43
"AT" metric pitch toothed pulleys 51
Powergrip HTD toothed pulleys 58
Cylindrical toothed wheels 72
Bushed Pulleys 79
PBT Pulley 86
Taper lock bushing 103
PT pulley 107
Platewheels for chains 122
ISO/DIN european roller chains 138
ANSI american roller chains 140
ANSI-H american heavy-duty roller chains 142
Transmission chain 144
GIFLEX tortional flexible couplings 150
“GIFLEX” GE-T PRECISE EXECUTION 152
SF-1B Steel Self-lubricating Bushings 152
SF-1B F flanged bushings 157
Sintered bronze bushings 159
Flanged sintered bronze bushings 168

Gaskets

Ring seals for rotary shafts 175
“UM” rubber seals for alternative movements. 182
DE-DEM rubber seals for alternative movements 186
“DI-DIM” rubber seals for alternative movements 190
V Ring 194
“MAD” polyurethane ring seals for alternative movements. 197
“B” - BALSELE vee packings 202
“WRM” rod wipers 205
“DBM” - BALMASTER gaskets 206
O-RINGS 207
U.K. - NBR 70 measures O-R. 208
U.K. - NBR 70 measures O-R. 209
U.K. - NBR 70 measures O-R. 210
U.K. - NBR 70 measures O-R. 211
U.K. - NBR 70 measures O-R. 212
Metric O-Ring - NBR, FPM 213
Greasy cotton packing 230
Synthetic graphite packing 231
Teflon bonded packing (PTFE) 233
N.A. 400 sheet 235
N.A. 202 sheet 237
Series 255 / PTFE glass cloth with silicone adhesive. 239
Soft, self-adhesive EXPANDED TEFLON® strip 240

Components

Keys 245
Retaining rings 247

INDEX

Elastic pins 252
Disc springs 254
Copper washers 255
Aluminium washers. 256
MM Anti-vibration mountings = Male/Male 257
MF = Male/Female 258
FF = Female/Female 259
PM = Foot/Male 260
PF = Foot/Female 261

Industrial wheels

Symbols 265
81/PN pneumatic wheel 266
81 Rubber 267
81 [51] Rubber 268
81 [50] Rubber 269
[350/FR] 81 Rubber 270
[352] 81 Rubber 271
Furniture - 601/NG 601/NGG 272
Furniture - 602/NG 602/NGG 273
Polyurethane cast iron 840 274
Polyurethane cast iron support 710 275
Polyurethane cast iron support 700 276
Polyurethane cast iron support 700/FR 277
Polyurethane cast iron 1815 278
Polyurethane cast iron support 1515 279
Polyurethane cast iron support 1505 280
Polyurethane cast iron support 700/P. 281
Polyurethane aluminium 700/A. 282
Polyurethane aluminium 710/A. 283
Rollers 200/P 284
Nylon 86 286
Stainless steel supports 86 [50/N] 287
Stainless steel supports 86 [600/N] 288
Stainless steel supports 86 [51/N] 289
Phenol-formaldehyde resin 86/AT 290
Phenol-formaldehyde resin 86/AT [50/AT] 291
Phenol-formaldehyde resin 86/AT [51/AT] 292
Phenol-formaldehyde resin 86/AT [600/AT] 293
Stainless steel supports 85/G [450] 294
Stainless steel supports 85/G [450/F]. 295
Stainless steel supports 85/G [451] 296

Plastics

Polycarbonate sheets – technical features 299
Yellowness Index/Light Transmission. 300
Alveolar polycarbonate sheet 301
Compact polycarbonate sheet 304
Alveolar polycarbonate sheet 304
Polyethylene PE 500/1000 305
Technical features of plastics 306
Round nylon bars 309
Round hollow nylon bars (sleeves) 311
Nylon Sheets and leaves 312
Round PVC Bars 313
Hollow PVC Bars 315
PTFE (polytetrafluoroethylene) rounds. 317
PTFE strips and sheets 319
Polyethylene PE/Polypropylene PP/Polyvinyl Chloride PVC 320
Square PVC Bars 322

Hexagonal PVC Bars 323
Polyethylene PE/Polyvinyl Chloride PVC 324
Flexible PVC 326
Tubing 327

Thermoacoustic material

Musstik P06 332
Musstik P19 334
Tenstik P 337
Kronostik E 339
Kronostik D 341
Mappysil bugnato 343
Mappycar AU30 346
Termoflex stopfire 349
Mappyflash 351
Filtrex 353
Mappyfiltro 355

Hoses

Merlett Hose 361
VACUPRESS® OIL - OIL PU 361
VACUPRESS® FOOD * 363
DETROIT 365
ARMORVIN HNA* 367
ARMORVIN® HNP * 369
EVA INDUSTRIAL 371
LUISIANA * 372
OREGON 374
ARIZONA SUPERELASTIC 376
SUPERFLEX PU - PU R* (STANDARD) 378
JAMAICA 380
RAGNO ANTIGELO 383
RAGNO CR * 384
RAGNO N 20-40 BAR / SUPER RAGNO N 80 BAR 386
CRISTALLO ATOSSICO* 388
RAGNO PU* 390
TEXOIL - TEXOIL A 392
ALASKA ANTISTATICO 394
OREGON POLIURETANO * 396
FLEXIBLE HOSES - AIR 398
PAD-A 398
CAT 400
CEET 402
SCAT 404
SCEET 406
Petrochemical, compliant to EN 12115 408
MANICHEM/D-UPE 408
MANICHEM/SD-UPE 411
MANICHEM/D-EPDM 414
MANICHEM/D-FPM 417
MANICHEM/SD-EPDM 420
MANICHEM/SD-FPM 423
MANIFLON/SD-MFA 426
MANITANK/D-NBR1 429
MANITANK/SD-NBR1 432
Discharge of oil products, compliant to EN 435
MANITANK/D-AVIO 435
MANITANK/SD-AVIO 438
MTG/GPL/D-EN1762 441
PETROLIERA/SPL/10-RP 444

PETROLIERA/SPL/15-RP 447
TANK-TRUCKS/D-EN1761 450
TANK-TRUCKS/SD-EN1761 453
Discharge of oil products ITALIAN LINE. 456
AUTOCISTERNA/4-CLC 456
BITUME/SD/160 459
BUNKER-HOSE/15 461
BUNKER-HOSE/L/15 464
CARBURANTI/10 467
CARBURANTI/20 470
CARBURANTI/SPL/10. 473
CLEANER/BTW. 476
DRENAGGIO/3498-Rac. 479
DRENAGGIO/8272/RP 482
MTG/CARBUFLAT 485
SAESPIR/R4 488
Transfer of chemical and pharmaceutical products 491
MANIPHARM/D-UPE. 491
MANIPHARM/SD-UPE 494
POLYSPIR/UPE-BN 497
MANIPHARM/SD-ANTISTATIC. 500
Transfer of food products 503
GRANOFOOD/CLC/4 503
HOT-ALICHEM/SPL/10 BLUE. 506
HOT-ALICHEM/10 BLUE. 509
IMPERIA/10. 512
IMPERIA/SPL/10 515
MTG/STEAM 518
SILO/8-BN 521
SILO/SPL/4-BN 524
Hoses complying to DNW. 527
GAS-EXHAUST/D 527
GAS-EXHAUST/G/SD 530
GAS-EXHAUST/L/SD 533
GAS-EXHAUST/SD. 536
Steel-mill hoses 538
CORD/GREY-660 538
MANI-CABLE/10 541
SHANGHAI 544
WATER AND INERT FLUIDS. 547
ISEO / 10 547
SPIRALWATER / 10 548
COMPRESSED AIR 549
ISEO / 20 549
FUELS AND LUBRICANTS 550
HYDRO'K. 550
HOT FLUIDS AND STEAM 551
RADIATOR / 3 352 AA 551
HOT WATER / 10 351 AA 552
CALORSTEAM / 7 350 AA 553
EN 853 1SN - DIN 20022 - exceeds SAE 100 R1AT D01N 554
EN 853 2SN - DIN 20022 - exceed SAE 100 R2AT D02N 555
EN 856 4SP (DIN 20023-4SP) BR760 556
EN 856 4SH (DIN 20023-4SH) 557
EN 856 SAE 100 R13. 558
SAE 100 R15 559
EN854 SAE 100 R6 560
EN855 - SAE 100 R7 561
One high tensile steel wire braid 57A 563

P.T.F.E. flexible hose type W1 565
METAL HOSE PRODUCTS 567
GEM©FLEX - Torque-Resistant Hose 569
RIDGELINE TM - Multi-Sided Extra Flexible Hose 571
HT1100 Series Flexible - "Floppy Guard" Interlocked Metal Hose 573
HT3000 Series - Convoluted Air Ducting Hose 574
HT4000 Series Rough Bore (Unlined) - "Multi-Flex" Interlocked Metal Hose 575
HT5000 Series Smooth Bore (Lined) “Smooth Flow” Interlocked Metal Hose 578
Metal-Hose-To-Go™ Program 581
TIGERFLEX 585
Series 2020 - Reinforced Polyurethane-lined material handling hose with embedded copper grounding wire. For outdoor dry applications 587
Series 2001 - Polyurethan-lined PVC food grade material handling hose with embedded copper grounding wire. For dry aplications 588
Series WT & WE - The Engineered Performance Leaders 589
Series WT Heavy duty PVC food grade material handling hose - For dry applications 589
Series WE Heavy duty PVC food grade material handling hose with embedded grounding wire. For dry applications 589
Series WBS - Anti-static - PVC food grade material handling hose 591
UREFLEX-1 - Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications 592
UREFLEX-2 - Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications 594
Series UBK - Polyurethane-lined abrasion-resistant PVC material handling hose for dry applications . .594
Series PF Plas-T-Flo™ Heavy duty Polyurethane material transfer hose with embedded copper grounding wire 596
UREVAC-2 - Medium duty Polyurethane-lined lightweight PVC material handling hose 597
UREVAC-3 - Heavy duty Polyurethane material transfer hose with embedded copper grounding wire 598
Series WU Standard duty Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications 599
Series UVPE Heavy duty Polyurethane/Polypropylene reinforced material transfer hose with embedded copper grounding wire 600
UREVAC-1 - Standard duty Polyurethane lightweight blower and ducting hose 601
Series UVF Standard duty Polyurethane food grade lightweight blower and ducting hose 602
Series MULCH Abrasion-resistant PVC mulch & bark transfer hose 603
Series GC "Ground Cover" Hose Abrasion-resistant Polyurethane-lined mulch and bark transfer hose .604
Series LK - "Lawn King" Abrasion-resistant low-temperature super flexible PVC blower and ducting hose 605
Series GT Light duty PVC dust collection and blower hose 606
Series GTF PVC food grade lightweight blower and ducting hose 607
Series CG "Cover Guard" - CG: Light duty PVC ducting hose - CG-SL: Factory-Slit MSHA-listed PVC Conduit 608
Series WH Medium duty PVC suction, blower and ducting hose 609
Tiger-Duct™ Extendo-Duct™ Polypropylene/Wire Reinforced Chemical fume air ducting hose 610
Series OV Oil Vac™ Heavy duty polyurethane hose for liquid-oil or dry material applications 612
Series ORV Oil-Resistant PVC Hose 613
Series WOR PVC vapor recovery hose 614
Series WOR PVC vapor recovery hose 615
Banding Coils For both food grade & non-food grade applications 616
Banding Sleeves Fits Tigerflex® hoses Series WOR & Series 2020 617
TigerClamp™ Spiral Double Bolt Clamps. 618
Aluminum Swivel Cam & Groove Couplings. 619
Care, maintenance and storage of Tigerflex® hose 621
The Effect of Temperature on Working Pressure & Vacuum Ratings 621
Working Pressure Ratings 621
Chemical Resistance Guide 622
KURI TEC 629
KURI TEC® APPLICATION GUIDE 630
KLEARON™ 68 - Series K018 - Clear PVC Tubing 635
KLEARON™ 73 - Series K010 - Clear PVC Tubing 637

INDEX

Series K050 - Clear PVC Tubing 639
Series 3300 - Ether-Based - Polyurethane-Lined - Clear PVC Tubing. 641
Series 2600 - 85 Shore "A" Ether-Based Clear - Food Grade Polyurethane Tubing 642
Series 2840, 2841, 2844, 2846 - 95 Shore "A" Ether-Based - Heavy Duty Polyurethane Tubing 644
220 Series - Linear Low Density - Food Grade - Polyethylene Tubing. 646
221 Series - Linear Low Density - Industrial Grade - Polyethylene Tubing 647
Series A1730 - Flexible FDA lyethylene Hose 650
Series A3236 - High Purity Non-Toxic LLDPE Water Hose 651
Series K6155, K6158 - High Purity Non-Toxic PVC - Potable Water Hose 653
Series K6136 - High Purity Street to Home - Potable Water Hose. 655
Series K3280, K3285 - NSF-61 Certified - Reinforced PVC - Flexible - Connection Hose 657
Series 136 - Non-Toxic RV Water - Hose - IAPMO Listed - Under Accuflex File T®-2008 659
CLEARBRAID® - K3150 Series RF - Standard Wall PVC Food - & Beverage Hose. 661
CLEARBRAID® - K3130 Series BF - BF Heavy Wall PVC Food - & Beverage Hose 663
POLYWIRE® PLU - Series K7300 - Hose Heavy Wall Wire-Yarn - Reinforced
Vacuum/Pressure Hose 665
POLYSPRING® - Series K7160 - Standard Wall PVC Food - & Beverage Vacuum/Transfer Hose 667
POLYWIRE® - Series K7130 - Heavy Wall PVC Food & Beverage Vacuum/Transfer Hose. 669
PNEU-THANE™ - Series K5090, K5094, K5096 - Lightweight Reinforced - Polyurethane
Pneumatic - Air Tool Hose 671
Series A1141, A1144, A1146, A1148 - Special Purpose PVC/Polyurethane Air Hose 673
TUNDRA-AIR® - Series K1231, K1234, K1236 - Air & Water Hose 675
POLYAIR® - Series K1131, K1134, K1136, K1137, K1138 - Multi-Purpose - Air & Water Hose. 677
Series K1154, K1156 - General Purpose PVC - Air & Water Hose 679
Series K1171, K1173, K1174, K1176 - General Service PVC - Air & Water Hose. 680
Series K1181, K1184, K1186 - Utility Grade PVC Air Hose 681
Series K2163 - Contractor PVC - Water Hose 682
Series A1307 - Standard Duty Reinforced - PVC Water Hose. 683
Series A1317 - Heavy Duty Reinforced - PVC Water Hose 684
Series A4143 - Medium Pressure - Paint Fluid Transfer Hose. 685
Series A4143S (with Static Wire) - Medium Pressure - Paint Fluid Transfer Hose 687
Series A4086 - High Pressure Polyethylene - Rubber Blend Reinforced - Chemical
Spray & Transfer Hose 689
Series A1687 - 800 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose. 691
Series A1661 - 600 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose. 693
Series K4131, K4132, K4137 - 600 PSI PVC Spray - Reinforced Hose. 695
Series A1628 - 300 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose. 697
Series K4350 - EVA Yarn-Reinforced - Spray Hose. 698
Series A9350 - Polyethylene - Yarn-Reinforced Dual Line - Spray Hose. 699
Series A1243 - Non-Toxic PVC Air - Breathing Hose. 703
Series A1263 - Low Temperature - Non-Toxic PVC - Air Breathing Hose 705
Series A4164 - Conductive PVC Air Hose - with PVC Cover 707
Series A4176 - Conductive PVC Air Hose with Polyurethane Cover 709
NAUTILUS™ - Series K2W - Weighted Aeration Tubing 711
Series K7000 - Anti-Stat Blasting Tubing 712

Low pressure ball valves

MINI-SFER Art. 3930 717
MINI-SFER Art. 3931 718
EURO-SFER Art. 1700. 719
EXPO-SFER Art. 1800 720
VAL-SFER Art. 2700. 721
UNI-SFER Art. 1501 722
INOX-VAL Art. 702000 723
COMBI-SFER Art. 3300 T 724
COMBI-SFER Art. 3400 L. 725

Mechanical seals for liquids

ROTEN 2 Seals – code X6GV6 729
ROTEN 2 Seals – code X6H62V6 731

ROTEN 3 Seals – Code XYXY2VY 733
TYPE A LIQUIBLOK® Seals 735

Rubber sheets

Rubber sheets and mats. 739
Rubberten L/L. 740
Rubbertex 1 L/L 741
Rubberbenz 742
Fine ribbed mat. 743
Ribbed mat 744
Stud rubber mat 745

Equipments

Non-toxic stainless-steel sprayers 749
Hand-operated oil dispensers. 752
1/2" diaphragm pumps 754
1" diaphragm pumps. 756
Tank distribution kit. 758
Pompe grasso serie 600. 762
OIL PUMPS series 700. 764
How to choose the most suitable pump for one’s needs 766
Oil pumps series 1800 771
Adjustable stainless-steel hose reel 773
GREASE DISPENSING KIT for drums 180-220 Kg 775
Grease pump for drums 50 - 60 Kg 779
Grease pump for drums 20 - 30 Kg 783
Bottle jacks 786
Trolley jacks 789
Hydraulic presses 793
Hydraulic cranes. 796

Fittings

Nuts 801
Compression fitting. 802
Straight couplings. 803
Equal elbows 804
Equal Tees 805
Male stud couplings 806
Stud elbows 807
F/F 90° bent fitting 808
F/M 90° bent fitting 808
F/F straight adaptor 809
F/M straight adaptor 809
Elbow fitting 810
Straight insert 811
45° insert. 812
Insert. 813
F straight gas 60° insert 814
F straight metric 60° insert 815
F straight JIC 37° insert 816
F straight ORFS insert 817
45° F gas 60° insert 818
45° F metric 60° insert 819
45° F JIC 37° insert 820
Inserto F 45° ORFS 821
90° F gas 60° insert 822
90° F metric 60° insert 823
90° F JIC 37° insert 824
90° F ORFS insert 825
M gas 60° insert 826
M metric 60° insert 827

M JIC 37° insert 828
M ORFS insert 829
M insert with hose seat 830
SAE 3000 flange insert 831
45° SAE 3000 flange insert 832
90° SAE 3000 flange insert 833
SAE 6000 flange insert 834
45° SAE 6000 flange insert 835
90° SAE 6000 flange insert 836
SAE 100 R1-2-16 ferrules 837
SAE 100 R6-7-8 ferrules 838
SAE 100 R9 ferrules 838
SAE 100 4SH ferrules 838
F/F elbow fittings 839
M/M elbow fittings 839
Gas sleeves 840
Flat protective coil sleeve 840
60° M gas cylinder 841
60° sv. M metric 842
M JIC 27° 843
M ORFS 844
Eyelet insert 845
Threaded eyelet 846
Solder eyelet 846
Extensions 847
Reducers 848
F 60° gas plugs 849
M 60° gas plugs 850
F Tee gas fitting 851
M Tee 60° gas fitting 852
Hollow screws 853
Double hollow screws 854
Solder sleeve 855
Deviator 856
Solder nipple 857
QUICK RELEASE COUPLINGS 858
Poppet valve 858
Ball valve 858
High-pressure two-ways ball cock - GE2 859
High-pressure three-ways ball cock - GE3 860
Kuriyama Couplings - Coupling & Accessories 861
Aluminum Quick-Acting Couplings 862
Petroleum Couplings 866
ALSH Aluminum Quick-Acting Couplings 869
Cast Aluminum Compression Quick Couplings & Adapters 871
SS304 Stainless Steel Quick-Acting Couplings 873
SS316 Stainless Steel Quick-Acting Couplings 876
K-LocTM Auto Lock SS316 Quick-Acting Couplings 879
Brass Quick-Acting Couplings 881
Reducing Coupler/Adapters, Spool Adapters, Flange Adapter & Coupler, Coupler x Coupler 884
Glass Reinforced Nylon Quick-Acting Couplings 888
Polypropylene Quick-Acting Couplings 891
Polypropylene Ball Valves 896
Replacement Gaskets For Quick Acting Couplings 897
Replacement Handles & Safety Clips 899
Universal Air Hose Couplings - Plated 900
Sand Blast Hose Couplings 904
Quick Disconnect Couplings and Plugs Industrial Interchange 908
Ground Joints 910

Pin Lug Hose Shank Couplings 915
"Heavy Duty" Forged Brass Fittings 918
Hex Combination Hose Nipples 919
Combination Hose Nipples 918
Menders 920
Stainless Steel Combination Hose Nipples 921
Strainers and Skimmers 922
Polypropylene Strainer with Standard Straight Pipe Threads (NPSM) 924
Hose and Tubing Cutter 924
IRRI-LOC® Galvanized Couplings 925
Clamps 928
Clamps 929
Forged "Plate-Style" Flanges 930
Forged "Plate-Style" Flanges 931
Forged Threaded Flanges 932
Forged Raised Face Slip-On Flanges 933
Forged Raised Face Slip-On Flanges 934
Forged Raised Face Slip-On Flanges 935
Flexible Pump Connectors 936
Why Rubber Expansion Joints? 937
Rubber Expansion Joint Movement 937
Flanged Rubber Expansion Joints 938
HTSRF Series 938
Single Sphere Flanged Rubber Expansion Joints 938
Flanged Rubber Expansion Joints 939
Threaded Union Rubber Expansion Joints 940
ELASTOMER PHYSICAL PROPERTIES & CHEMICAL RESISTANCE 941
Material Specifications 949

Special grease

Caliber Blue EP2 953
Caliber TM (3% Moly) - 3M Caliber TM 5M (5% Moly) 954
Matrix 955
Dura-FilmTM 957
DET 900 958
MadallionTM FM - Grease 959

Organs de trasmission

Courroies trapézoïdales dentées GATES. 3
Courroies trapézoïdales 5
Courroies classiques emboîtables 15
Jointures métallique 15
Courroies à flancs nus de section étroite 16
Courroies cannelées. 18
Courroies dentées synchrones. 20
Courroies dentées en polyuréthane “T” 23
Courroies dentées en polyuréthane “AT” 26
Courroies dentées 28
Poulies dentées Powergrip pour courroies positives 31
Poulies dentées pas métrique “T”. 43
Poulies dentées pas métrique “AT” 51
Poulies dentées Powergrip HTD. 58
Roues dentées cylindriques 72
Poulies avec douille 79
Poulies PBT 86
Moyeux amovibles 103
Poulies PT 107
Couronnes pour chaînes 122
Chaînes à rouleaux série européenne ISO/DIN 138
Chaînes à rouleaux série américaine ANSI 140
Chaînes à rouleaux série americaine ANSI- H renforcés 142
Chaîne de trasmission 144
Joints élastiques de torsion “GFLEX” 150
“GIFLEX” GE-T execution precise 152
Douilles autolubrifiantes en acier série SF-1B 152
Douilles bridées SF-1B F 157
Douilles sintérisées en bronze 159
Douilles sintérisées bridées en bronze. 168

Joints

Joints d'étanchéité pour arbres tournants. 175
Joints d'étanchéité en caoutchouc pour mouvements alternatifs série "UM" 182
Joints d'étanchéité en caoutchouc pour mouvements alternatifs série DE - DEM 186
Joints d'étanchéité en caoutchouc pour mouvements alternatifs série "DI - DIM" 190
V Ring. 194
Joints d'étanchéité en polyuréthane pour mouvements alternatifs série "MAD". 197
Joints toile caoutchoutée type "B" - BALSELE 202
Racleurs en caoutchouc "WRM". 205
Joints "DBM" - BALMASTER 206
O-RINGS 207
O-R dimensions U.K. - NBR 70 208
O-R dimensions U.K. - NBR 70 209
O-R dimensions U.K. - NBR 70 210
O-R dimensions U.K. - NBR 70 211
O-R dimensions U.K. - NBR 70 212
O-Ring Métriques - NBR, FPM 213
Baderne coton huilé 230
Baderne graphitée synthétique. 231
Baderne chargée téflon (PTFE) 233
Plaque type N.A. 400 235
Plaque type N.A. 202. 237
Série 255 tissu verre / PTFE avec adhésif silicone 239
Joint plat TEFLON® EXPANSE souple autoadhésif 240

Composants divers

Clavettes. 245
Anneaux d'arrêt 247

Goupilles élastiques 252
Ressorts à godet. 254
Rondelles en cuivre 255
Rondelles aluminium 256
Antivibratoires MM = Male/Male 257
MF = Male/Femelle. 258
FF = Femelle/Femelle. 259
PM = Pied/Male 260
PF = Pied/Femelle 261

Roues industrielles

Symbologie de tables 265
Pneumatiques 81/PN 266
Caoutchouc 81 267
Caoutchouc 81 [51]. 268
Caoutchouc 81 [50]. 269
Caoutchouc 81 [350/FR]. 270
Caoutchouc 81 [352]. 271
Pour mobilier - 601/NG 601/NGG. 272
Pour mobilier - 602/NG 602/NGG 273
Polyurethane fonte 840. 274
Polyurethane fonte supports 710 275
Polyurethane fonte supports 700 276
Polyurethane fonte supports 700/FR 277
Polyurethane fonte 1815. 278
Polyurethane fonte supports 1515 279
Polyurethane fonte supports 1505 280
Polyurethane fonte supports 700/P 281
Polyurethane aluminium 700/A. 282
Polyurethane aluminium 710/A. 283
Rouleaux 200/P 284
Nylon 86 286
Supports inox 86 [50/N] 287
Supports inox 86 [600/N] 288
Supports inox 86 [51/N] 289
Resine phenolique 86/AT 290
Resine phenolique 86/AT [50/AT]. 291
Resine phenolique 86/AT [51/AT]. 292
Resine phenolique 86/AT [600/AT]. 293
Supports inox 85/G [450] 294
Supports inox 85/G [450/F]. 295
Supports inox 85/G [451] 296

Matériaux plastiques

Caractéristiques Techniques pour plaques en polycarbonate 299
Index de jaunissement / Transmission lumineuse 300
Stabilité chimique pour plaques en polycarbonate 302
Plaque Polycarbonate compact 304
Plaque Polycarbonate alvéolaire 304
Polietilene PE 500/1000 305
Caractéristiquea Techniques des matériaux plastiques 307
Barres rondes en nylon. 309
Barres rondes trouées (manchons) nylon. 311
Feuilles et plaques en nylon 312
Barres rondes en PVC 313
Barres trouées en PVC. 315
Ronds en PTFE (polytétrafluoréthylène) 317
Rubans et plaques en PTFE. 319
Polyethylene PE/Polypropylène PP/Polyvinylchlorure PVC 320
Barres carrées en PVC. 322

Barres hexagonales en PVC 323
Polyéthylène PE/Polyvinylchlorure PVC. 324
PVC flexible 326
Tuyaux 327

Matériel thermo acoustique

Musstik P06 332
Musstik P19 334
Tenstik P. 337
Kronostik E 339
Kronostik D 341
Mappysil bugnato 343
Mappycar AU30 346
Termoflex stopfire 349
Mappyflash 351
Filtrex 353
Mappyfiltro 355

Tuyauteries

Tuyaux Merlett 361
VACUPRESS® OIL - OIL PU 361
VACUPRESS® FOOD * 363
DETROIT. 365
ARMORVIN HNA* 367
ARMORVIN® HNP *. 369
EVA INDUSTRIAL 371
LUISIANA * 372
OREGON. 374
ARIZONA SUPERELASTIC 376
SUPERFLEX PU - PU R* (STANDARD) 378
JAMAICA 380
RAGNO ANTIGELO 383
RAGNO CR *. 384
RAGNO N 20-40 BAR / SUPER RAGNO N 80 BAR. 386
CRISTALLO ATOSSICO* 388
RAGNO PU* 390
TEXOIL - TEXOIL A 392
ALASKA ANTISTATICO 394
OREGON POLIURETANO * 396
TUYAUTERIES FLEXIBLES - AIR 398
PAD-A 398
CAT 400
CEET 402
SCAT 404
SCEET. 406
Produits pétroliers et chimiques aux normes EN 12115. 408
MANICHEM/D-UPE. 408
MANICHEM/SD-UPE 411
MANICHEM/D-EPDM 414
MANICHEM/D-FPM. 417
MANICHEM/SD-EPDM 420
MANICHEM/SD-FPM 423
MANIFLON/SD-MFA 426
MANITANK/D-NBR1 429
MANITANK/SD-NBR1 432
Déchargement de produits pétroliers aux normes EN 435
MANITANK/D-AVIO. 435
MANITANK/SD-AVIO 438
MTG/GPL/D-EN1762. 441
PETROLIERA/SPL/10-RP 444

PETROLIERA/SPL/15-RP 447
TANK-TRUCKS/D-EN1761 450
TANK-TRUCKS/SD-EN1761 453
Déchargement de produits pétroliers LIGNE ITALIENNE 456
AUTOCISTERNA/4-CLC 456
BITUME/SD/160 459
BUNKER-HOSE/15 461
BUNKER-HOSE/L/15 464
CARBURANTI/10 467
CARBURANTI/20 470
CARBURANTI/SPL/10. 473
CLEANER/BTW. 476
DRENAGGIO/3498-Rac. 479
DRENAGGIO/8272/RP 482
MTG/CARBUFLAT 485
SAESPIR/R4 488
Transvasement de produits Chimiques Pharmaceutiques 491
MANIPHARM/D-UPE. 491
MANIPHARM/SD-UPE 494
POLYSPIR/UPE-BN 497
MANIPHARM/SD-ANTISTATIC. 500
Transvasement de produits alimentaires 503
GRANOFOOD/CLC/4 503
HOT-ALICHEM/SPL/10 BLUE. 506
HOT-ALICHEM/10 BLUE. 509
IMPERIA/10. 512
IMPERIA/SPL/10 515
MTG/STEAM 518
SILO/8-BN 521
SILO/SPL/4-BN 524
Tuyauteries aux normes DNW 527
GAS-EXHAUST/D 527
GAS-EXHAUST/G/SD 530
GAS-EXHAUST/L/SD 533
GAS-EXHAUST/SD. 536
Tuyauteries pour aciéries 538
CORD/GREY-660 538
MANI-CABLE/10 541
SHANGHAI 544
EAU ET FLUIDES INERTES 547
ISEO / 10. 547
SPIRALWATER / 10 548
AIR COMPRIME. 549
ISEO / 20. 549
CARBURANTS ET LUBRIFIANTS. 550
HYDRO'K. 550
FLUIDES CHAUDS ET VAPEUR. 551
RADIATOR / 3 352 AA 551
HOT WATER / 10 351 AA 552
CALORSTEAM / 7 350 AA 553
EN 853 1SN - DIN 20022 - exceeds SAE 100 R1AT D01N 554
EN 853 2SN - DIN 20022 - exceed SAE 100 R2AT D02N 555
EN 856 4SP (DIN 20023-4SP) BR760 556
EN 856 4SH (DIN 20023-4SH) 557
EN 856 SAE 100 R13. 558
SAE 100 R15 559
EN854 SAE 100 R6 560
EN855 - SAE 100 R7 561
1 tresse en acier à haute résistance 57A 563

Tuyau PTFE Type W1 565
METAL HOSE PRODUCTS 567
GEM©FLEX - Torque-Resistant Hose 569
RIDGELINETM - Multi-Sided Extra Flexible Hose 571
HT1100 Series Flexible - "Floppy Guard" Interlocked Metal Hose 573
HT3000 Series - Convoluted Air Ducting Hose 574
HT4000 Series Rough Bore (Unlined) - "Multi-Flex" Interlocked Metal Hose 575
HT5000 Series Smooth Bore (Lined) “Smooth Flow” Interlocked Metal Hose 578
Metal-Hose-To-Go™ Program 581
TIGERFLEX 585
Series 2020 - Reinforced Polyurethane-lined material handling hose with embedded copper grounding wire. For outdoor dry applications 587
Series 2001 - Polyurethan-lined PVC food grade material handling hose with embedded copper grounding wire. For dry aplications 588
Series WT & WE - The Engineered Performance Leaders 589
Series WT Heavy duty PVC food grade material handling hose - For dry applications 589
Series WE Heavy duty PVC food grade material handling hose with embedded grounding wire. For dry applications 589
Series WBS - Anti-static - PVC food grade material handling hose 591
UREFLEX-1 - Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications 592
UREFLEX-2 - Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications 594
Series UBK - Polyurethane-lined abrasion-resistant PVC material handling hose for dry applications . .594
Series PF Plas-T-Flo™ Heavy duty Polyurethane material transfer hose with embedded copper grounding wire 596
UREVAC-2 - Medium duty Polyurethane-lined lightweight PVC material handling hose 597
UREVAC-3 - Heavy duty Polyurethane material transfer hose with embedded copper grounding wire .598
Series WU Standard duty Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications 599
Series UVPE Heavy duty Polyurethane/Polypropylene reinforced material transfer hose with embedded copper grounding wire 600
UREVAC-1 - Standard duty Polyurethane lightweight blower and ducting hose 601
Series UVF Standard duty Polyurethane food grade lightweight blower and ducting hose 602
Series MULCH Abrasion-resistant PVC mulch & bark transfer hose 603
Series GC "Ground Cover" Hose Abrasion-resistant Polyurethane-lined mulch and bark transfer hose .604
Series LK - "Lawn King" Abrasion-resistant low-temperature super flexible PVC blower and ducting hose 605
Series GT Light duty PVC dust collection and blower hose 606
Series GTF PVC food grade lightweight blower and ducting hose 607
Series CG "Cover Guard" - CG: Light duty PVC ducting hose - CG-SL: Factory-Slit MSHA-listed PVC Conduit 608
Series WH Medium duty PVC suction, blower and ducting hose 609
Tiger-Duct™ Extendo-Duct™ Polypropylene/Wire Reinforced Chemical fume air ducting hose 610
Series OV Oil Vac™ Heavy duty polyurethane hose for liquid-oil or dry material applications 612
Series ORV Oil-Resistant PVC Hose 613
Series WOR PVC vapor recovery hose 614
Series WOR PVC vapor recovery hose 615
Banding Coils For both food grade & non-food grade applications 616
Banding Sleeves Fits Tigerflex® hoses Series WOR & Series 2020 617
TigerClamp™ Spiral Double Bolt Clamps. 618
Aluminum Swivel Cam & Groove Couplings. 619
Care, maintenance and storage of Tigerflex® hose 621
The Effect of Temperature on Working Pressure & Vacuum Ratings 621
Working Pressure Ratings 621
Chemical Resistance Guide 622
KURI TEC 629
KURI TEC® APPLICATION GUIDE 630
KLEARON™ 68 - Series K018 - Clear PVC Tubing 635
KLEARON™ 73 - Series K010 - Clear PVC Tubing 637
Series K050 - Clear PVC Tubing 639

Series 3300 - Ether-Based - Polyurethane-Lined - Clear PVC Tubing 641
Series 2600 - 85 Shore "A" Ether-Based Clear - Food Grade Polyurethane Tubing 642
Series 2840, 2841, 2844, 2846 - 95 Shore "A" Ether-Based - Heavy Duty Polyurethane Tubing 644
220 Series - Linear Low Density - Food Grade - Polyethylene Tubing. 646
221 Series - Linear Low Density - Industrial Grade - Polyethylene Tubing 647
Series A1730 - Flexible FDA lyethylene Hose 650
Series A3236 - High Purity Non-Toxic LLDPE Water Hose 651
Series K6155, K6158 - High Purity Non-Toxic PVC - Potable Water Hose 653
Series K6136 - High Purity Street to Home - Potable Water Hose. 655
Series K3280, K3285 - NSF-61 Certified - Reinforced PVC - Flexible - Connection Hose 657
Series 136 - Non-Toxic RV Water - Hose - IAPMO Listed - Under Accuflex File T®-2008 659
CLEARBRAID® - K3150 Series RF - Standard Wall PVC Food - & Beverage Hose. 661
CLEARBRAID® - K3130 Series BF - BF Heavy Wall PVC Food - & Beverage Hose 663
POLYWIRE® PLU - Series K7300 - Hose Heavy Wall Wire-Yarn - Reinforced Vacuum/Pressure Hose 665
POLYSPRING® - Series K7160 - Standard Wall PVC Food - & Beverage Vacuum/Transfer Hose 667
POLYWIRE® - Series K7130 - Heavy Wall PVC Food & Beverage Vacuum/Transfer Hose. 669
PNEU-THANE™ - Series K5090, K5094, K5096 - Lightweight Reinforced -
Polyurethane Pneumatic - Air Tool Hose 671
Series A1141, A1144, A1146, A1148 - Special Purpose PVC/Polyurethane Air Hose 673
TUNDRA-AIR® - Series K1231, K1234, K1236 - Air & Water Hose 675
POLYAIR® - Series K1131, K1134, K1136, K1137, K1138 - Multi-Purpose - Air & Water Hose. 677
Series K1154, K1156 - General Purpose PVC - Air & Water Hose 679
Series K1171, K1173, K1174, K1176 - General Service PVC - Air & Water Hose. 680
Series K1181, K1184, K1186 - Utility Grade PVC Air Hose 681
Series K2163 - Contractor PVC - Water Hose 682
Series A1307 - Standard Duty Reinforced - PVC Water Hose 683
Series A1317 - Heavy Duty Reinforced - PVC Water Hose 684
Series A4143 - Medium Pressure - Paint Fluid Transfer Hose. 685
Series A4143S (with Static Wire) - Medium Pressure - Paint Fluid Transfer Hose 687
Series A4086 - High Pressure Polyethylene - Rubber Blend Reinforced -
Chemical Spray &Transfer Hose 689
Series A1687 - 800 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose. 691
Series A1661 - 600 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose. 693
Series K4131, K4132, K4137 - 600 PSI PVC Spray - Reinforced Hose. 695
Series A1628 - 300 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose. 697
Series K4350 - EVA Yarn-Reinforced - Spray Hose. 698
Series A9350 - Polyethylene - Yarn-Reinforced Dual Line - Spray Hose. 699
Series A1243 - Non-Toxic PVC Air - Breathing Hose. 703
Series A1263 - Low Temperature - Non-Toxic PVC - Air Breathing Hose 705
Series A4164 - Conductive PVC Air Hose - with PVC Cover 707
Series A4176 - Conductive PVC Air Hose with Polyurethane Cover 709
NAUTILUS™ - Series K2W - Weighted Aeration Tubing 711
Series K7000 - Anti-Stat Blasting Tubing 712

Robinets sphériques pour basse pression

MINI-SFER Art. 3930 717
MINI-SFER Art. 3931 718
EURO-SFER Art. 1700. 719
EXPO-SFER Art. 1800 720
VAL-SFER Art. 2700. 721
UNI-SFER Art. 1501 722
INOX-VAL Art. 702000 723
COMBI-SFER Art. 3300 T 724
COMBI-SFER Art. 3400 L. 725

Joints mécaniques pour liquides

Joints ROTEN 2 cod. X6GV6 729
Joints ROTEN 3 cod. X6H62V6 731
Joints ROTEN 3 cod. XYXY2VY. 733
Joints LIQUIBLOK® TYPE A 735

Plaques en caoutchouc

Plaques et tapis en caoutchouc 739
Rubberten L/L 740
Rubbertex 1 L/L 741
Rubberbenz 742
Tapis mille rayures 743
Tapis cent rayures 744
Tapis à bulles 745

Équipements

Nebuliseurs atoxiques inox 749
Pompes manuelles pour huile et similaires 752
Pompes a diaphragme série 1/2" 754
Pompes a diaphragme série 1”. 756
Kit distribution par citerne 758
Pompe graisses série 600 762
Pompe graisses série 700 764
Comment choisir la pompe appropriee a ses propres exigences 766
Pompe pour huile et similaires série 1800 771
Enrouleur tuyau orientable inox 773
Kit pour graissage pour tonnes 180 - 220 Kg 775
Kit pour graissage pour tonnes 50 - 60 Kg 779
Kit pour graissage pour tonnes 20 - 30 Kg 783
Crics bouteille 786
Crics rouleurs 789
Presses hydrauliques 793
Grues hydrauliques. 796

Raccorderie

Écrous. 801
Ogive 802
Raccords intermédiaires droits 803
Raccords intermédiaires coudés 804
Raccords intermédiaires en T. 805
Raccords terminaux droits 806
Raccords terminaux coudés 807
Raccord coudé 90° F/F. 808
Raccord coudé 90° F/M 808
Adaptateur droit F/F 809
Adaptateur droit F/M. 809
Raccord coudé 810
Insert droit. 811
Insert à 45° 812
Insert. 813
Insert F droit gaz 60° 814
Insert F droit métrique 60° 815
Insert F droit JIC 37°. 816
Insert F droit ORFS. 817
Insert F 45° gaz 60° 818
Insert F 45° métrique 60° 819
Insert F 45° JIC 37° 820
Insert F 45° ORFS 821
Insert F 90° gaz 60° 822
Insert F 90° métrique 60° 823
Insert F 90° JIC 37° 824
Insert F 90° ORFS 825
Insert M gaz 60° 826
Insert M métrique 60° 827
Insert M JIC 37° 828
Insert M ORFS 829

INDEX

Insert M avec logement tuyau 830
Insert bride SAE 3000 831
Insert bride SAE 3000 à 45° 832
Insert bride SAE 3000 à 90° 833
Insert bride SAE 6000 834
Insert bride SAE 6000 à 45° 835
Insert bride SAE 6000 à 90° 836
Douille SAE 100 R1-2-16 837
Douille SAE 100 R6-7-8 838
Douille SAE 100 R9 838
Douille SAE 100 4SH 838
Raccords coudés F/F 839
Raccords coudés M/M 839
Manchons gaz 840
Spirale plate - Protection tuyaux 840
Male Gaz Cylindrique 60° 841
Maschio Metrico sv. 60° 842
Maschio JIC 27° 843
Mâle ORFS 844
Insert à œillet 845
Œillet taraudé 846
Œillet à souder 846
Rallonges 847
Réduction 848
Bouchons femelle gaz 60° 849
Bouchons mâle gaz 60° 850
Raccord en T femelle gaz 851
Raccord en T mâle gaz 60° 852
Vis vides 853
Vis vides doubles 854
Manchon à souder 855
Déviateur 856
Nipple à souder 857
BRANCHEMENTS RAPIDES 858
Joint en aiguille 858
Joint à sphère 858
Robinet à sphère à haute pression à deux voies - Type GE2 859
Robinet à sphère à haute pression à trois voies - Type GE3 860
Kuriyama Couplings - Coupling & Accessories 861
Aluminum Quick-Acting Couplings 862
Petroleum Couplings 866
ALSH Aluminum Quick-Acting Couplings 869
Cast Aluminum Compression Quick Couplings & Adapters 871
SS304 Stainless Steel Quick-Acting Couplings 873
SS316 Stainless Steel Quick-Acting Couplings 876
K-LocTM Auto Lock SS316 Quick-Acting Couplings 879
Brass Quick-Acting Couplings 881
Reducing Coupler/Adapters, Spool Adapters, Flange Adapter & Coupler, Coupler x Coupler 884
Glass Reinforced Nylon Quick-Acting Couplings 888
Polypropylene Quick-Acting Couplings 891
Polypropylene Ball Valves 896
Replacement Gaskets For Quick Acting Couplings 897
Replacement Handles & Safety Clips 899
Universal Air Hose Couplings - Plated 900
Sand Blast Hose Couplings 904
Quick Disconnect Couplings and Plugs Industrial Interchange 908
Ground Joints 910
Pin Lug Hose Shank Couplings 915
"Heavy Duty" Forged Brass Fittings 918

Hex Combination Hose Nipples 919
Combination Hose Nipples 920
Menders 920
Stainless Steel Combination Hose Nipples 921
Strainers and Skimmers 922
Polypropylene Strainer with Standard Straight Pipe Threads (NPSM) 924
Hose and Tubing Cutter 924
IRRI-LOC® Galvanized Couplings 925
Clamps 928
Clamps 929
Forged "Plate-Style" Flanges 930
Forged "Plate-Style" Flanges 931
Forged Threaded Flanges 932
Forged Raised Face Slip-On Flanges 933
Forged Raised Face Slip-On Flanges 934
Forged Raised Face Slip-On Flanges 935
Flexible Pump Connectors 936
Why Rubber Expansion Joints? 937
Rubber Expansion Joint Movement 937
Flanged Rubber Expansion Joints 938
HTSRF Series 938
Single Sphere Flanged Rubber Expansion Joints 938
Flanged Rubber Expansion Joints 939
Threaded Union Rubber Expansion Joints 940
ELASTOMER PHYSICAL PROPERTIES & CHEMICAL RESISTANCE 941
Material Specifications 949

Graisses spéciales

Caliber Blue EP2 953
Caliber TM (3% Moly) - 3M Caliber TM 5M (5% Moly) 954
Matrix 955
Dura-FilmTM 957
DET 900 958
MadallionTM FM - Grease 959

Organi di trasmissione

Cinghie trapezoidali dentate GATES 3
Cinghie trapezoidali 5
Cinghie classiche giuntabili. 15
Metallic joints 15
Jointures métallique 15
Giunzioni metalliche 15
Cinghie a fianchi nudi di sezione stretta 16
Cinghie scanalate 18
Cinghie dentate sincrone 20
Cinghie dentate in poliuretano “T” 23
Cinghie dentate in poliuretano “AT” 26
Cinghie dentate. 28
Pulegge dentate Powergrip per cinghie positive. 31
Pulegge dentate passo metrico “T”. 43
Pulegge dentate passo metrico “AT” 51
Pulegge dentate Powergrip HTD 58
Ruote dentate cilindriche 72
Pulegge con bussola 79
Pulegge PBT. 86
Bussole coniche 103
Pulegge PT. 107
Corone per catene 122
Catene a rulli serie europea ISO/DIN 138
Catene a rulli serie americana ANSI. 140
Catene e rulli serie americana ANSI- H rinforzata 142
Catena di trasmissione 144
Giunti elastici torsionali “GFLEX” 150
“GIFLEX” GE-T esecuzione precisa 152
Boccole autolubrificanti in acciaio serie SF-1B. 153
Boccole flangiate SF-1B F 157
Boccole sinterizzate in bronzo 159
Boccole sinterizzate in bronzo flangiate 168

Guarnizioni

Guarnizioni di tenuta per alberi rotanti 175
Guarnizioni di tenuta in gomma per movimenti alternativi serie "UM" 182
Guarnizioni di tenuta in gomma per movimenti alternativi serie DE - DEM 186
Guarnizioni di tenuta in gomma per movimenti alternativi serie "DI - DIM" 190
V Ring. 194
Guarnizioni di tenuta in poliuretano per movimenti alternativi serie "MAD". 197
Guarnizioni telagomma tipo "B" - BALSELE. 202
Raschiatori in gomma "WRM" 205
Guarnizioni "DBM" - BALMASTER 206
O-RINGS 207
O-R misure U.K. - NBR 70 208
O-R misure U.K. - NBR 70 209
O-R misure U.K. - NBR 70 210
O-R misure U.K. - NBR 70 211
O-R misure U.K. - NBR 70 212
O-Ring Metrici - NBR, FPM 213
Baderna cotone grassato 230
Baderna grafitata sintetico 231
Baderna caricata teflon (PTFE) 233
Lastra tipo N.A. 400 235
Lastra tipo N.A. 202 237
Serie 255 tessuto vetro / PTFE con adesivo siliconico. 239
Piattina TEFLON® ESPANSO soffice autoadesiva 240

INDICE

Componenti vari

Chiavette 245
Anelli di arresto 247
Spine elastiche 252
Molle a tazza 254
Rondelle rame 255
Rondelle alluminio 256
Antivibranti MM = Maschio/Maschio 257
MF = Maschio/Femmina 258
FF = Femmina/Femmina 259
PM = Piedino/Maschio 260
PF = Piedino/Femmina 261

Ruote Industriali

Simbologia tabelle 265
Pneumatiche 81/PN 266
Gomma 81 267
Gomma 81 [51] 268
Gomma 81 [50] 269
Gomma 81 [350/FR] 270
Gomma 81 [352] 271
Arredamento - 601/NG 601/NGG 272
Arredamento - 602/NG 602/NGG 273
Poliuretano ghisa 840 274
Poliuretano ghisa supporti 710 275
Poliuretano ghisa supporti 700 276
Poliuretano ghisa supporti 700/FR 277
Poliuretano ghisa 1815 278
Poliuretano ghisa supporti 1515 279
Poliuretano ghisa supporti 1505 280
Poliuretano ghisa supporti 700/P 281
Poliuretano alluminio 700/A 282
Poliuretano alluminio 710/A 283
Rulli 200/P 284
Nylon 86 286
Supporti inox 86 [50/N] 287
Supporti inox 86 [600/N] 288
Supporti inox 86 [51/N] 289
Resina fenolica 86/AT 290
Resina fenolica 86/AT [50/AT] 291
Resina fenolica 86/AT [51/AT] 292
Resina fenolica 86/AT [600/AT] 293
Supporti inox 85/G [450] 294
Supporti inox 85/G [450/F] 295
Supporti inox 85/G [451] 296

Materiali plastici

Caratteristiche Tecniche per lastre in policarbonato 299
Indice di ingiallimento / Trasmissione luminosa 300
Stabilità chimica per lastre in Policarbonato 303
Lastra Policarbonato compatto 304
Lastra Policarbonato alveolare 304
Polietilene PE 500/1000 305
Caratteristiche Tecniche dei materiali plastici 308
Barre tonde in nylon 309
Barre tonde forate (manicotti) nylon 311
Fogli e lastre in nylon 312
Barre tonde in PVC 313
Barre forate in PVC 315
Tondi in PTFE (politetrafluoroetilene) 317

Nastri e lastre in PTFE 319
Polietilene PE/Polipropilene PP/Polivinilcloruro PVC 320
Barre quadre in PVC. 322
Barre esagonali in PVC 323
Polietilene PE/Polivinilcloruro PVC. 324
PVC flessibile 326
Tubetti. 327

Materiale termoacustico

Musstik P06 332
Musstik P19 334
Tenstik P. 337
Kronostik E 339
Kronostik D 341
Mappysil bugnato 343
Mappycar AU30 346
Termoflex stopfire. 349
Mappyflash 351
Filtrex 353
Mappyfiltro 355

Tubazioni

Tubi Merlett. 361
VACUPRESS® OIL - OIL PU. 361
VACUPRESS® FOOD *. 363
DETROIT. 365
ARMORVIN HNA* 367
ARMORVIN® HNP *. 369
EVA INDUSTRIAL. 371
LUISIANA * 372
OREGON. 374
ARIZONA SUPERELASTIC 376
SUPERFLEX PU - PU R* (STANDARD). 378
JAMAICA. 380
RAGNO ANTIGELO 383
RAGNO CR *. 384
RAGNO N 20-40 BAR / SUPER RAGNO N 80 BAR. 386
CRISTALLO ATOSSICO* 388
RAGNO PU* 390
TEXOIL - TEXOIL A 392
ALASKA ANTISTATICO 394
OREGON POLIURETANO * 396
TUBAZIONI FLESSIBILI - ARIA. 398
PAD-A 398
CAT 400
CEET. 402
SCAT. 404
SCEET. 406
Petrolchimica a norma EN 12115. 408
MANICHEM/D-UPE. 408
MANICHEM/SD-UPE 411
MANICHEM/D-EPDM 414
MANICHEM/D-FPM. 417
MANICHEM/SD-EPDM 420
MANICHEM/SD-FPM 423
MANIFLON/SD-MFA 426
MANITANK/D-NBR1 429
MANITANK/SD-NBR1 432
Scarico prodotti petroliferi a norma EN. 435
MANITANK/D-AVIO. 435

MANITANK/SD-AVIO 438
MTG/GPL/D-EN1762. 441
PETROLIERA/SPL/10-RP 444
PETROLIERA/SPL/15-RP 447
TANK-TRUCKS/D-EN1761 450
TANK-TRUCKS/SD-EN1761 453
Scarico prodotti petroliferi LINEA ITALIANA. 456
AUTOCISTERNA/4-CLC 456
BITUME/SD/160 459
BUNKER-HOSE/15 461
BUNKER-HOSE/L/15 464
CARBURANTI/10 467
CARBURANTI/20 470
CARBURANTI/SPL/10. 473
CLEANER/BTW. 476
DRENAGGIO/3498-Rac. 479
DRENAGGIO/8272/RP 482
MTG/CARBUFLAT 485
SAESPIR/R4 488
Travaso di prodotti Chimici Famaceutici. 491
MANIPHARM/D-UPE. 491
MANIPHARM/SD-UPE 494
POLYSPIR/UPE-BN 497
MANIPHARM/SD-ANTISTATIC. 500
Travaso prodotti alimentari 503
GRANOFOOD/CLC/4 503
HOT-ALICHEM/SPL/10 BLUE. 506
HOT-ALICHEM/10 BLUE. 509
IMPERIA/10. 512
IMPERIA/SPL/10 515
MTG/STEAM 518
SILO/8-BN 521
SILO/SPL/4-BN 524
Tubazioni a norma DNW 527
GAS-EXHAUST/D 527
GAS-EXHAUST/G/SD 530
GAS-EXHAUST/L/SD 533
GAS-EXHAUST/SD. 536
Tubazioni per acciaierie 538
CORD/GREY-660 538
MANI-CABLE/10 541
SHANGHAI 544
ACQUA E FLUIDI INERTI 547
ISEO / 10. 547
SPIRALWATER / 10 548
ARIA COMPRESSA 549
ISEO / 20. 549
CARBURANTI E LUBRIFICANTI 550
HYDRO'K. 550
FLUIDI CALDI E VAPORE 551
RADIATOR / 3 352 AA 551
HOT WATER / 10 351 AA 552
CALORSTEAM / 7 350 AA 553
EN 853 1SN - DIN 20022 - exceeds SAE 100 R1AT D01N 554
EN 853 2SN - DIN 20022 - exceed SAE 100 R2AT D02N 555
EN 856 4SP (DIN 20023-4SP) BR760 556
EN 856 4SH (DIN 20023-4SH) 557
EN 856 SAE 100 R13. 558
SAE 100 R15 559

EN854 SAE 100 R6 560
EN855 - SAE 100 R7 561
1 treccia acciaio alta resistenza 57A 563
Tubo P.T.F.E. tipo W1 565
METAL HOSE PRODUCTS 567
GEM©FLEX - Torque-Resistant Hose 569
RIDGELINETM - Multi-Sided Extra Flexible Hose 571
HT1100 Series Flexible - "Floppy Guard" Interlocked Metal Hose 573
HT3000 Series - Convoluted Air Ducting Hose 574
HT4000 Series Rough Bore (Unlined) - "Multi-Flex" Interlocked Metal Hose 575
HT5000 Series Smooth Bore (Lined) “Smooth Flow” Interlocked Metal Hose 578
Metal-Hose-To-Go™ Program 581
TIGERFLEX 585
Series 2020 - Reinforced Polyurethane-lined material handling hose with embedded copper grounding wire. For outdoor dry applications 587
Series 2001 - Polyurethan-lined PVC food grade material handling hose with embedded copper grounding wire. For dry aplications 588
Series WT & WE - The Engineered Performance Leaders 589
Series WT Heavy duty PVC food grade material handling hose - For dry applications 589
Series WE Heavy duty PVC food grade material handling hose with embedded grounding wire. For dry applications 589
Series WBS - Anti-static - PVC food grade material handling hose 591
UREFLEX-1 - Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications 592
UREFLEX-2 - Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications 594
Series UBK - Polyurethane-lined abrasion-resistant PVC material handling hose for dry applications . .594
Series PF Plas-T-Flo™ Heavy duty Polyurethane material transfer hose with embedded copper grounding wire 596
UREVAC-2 - Medium duty Polyurethane-lined lightweight PVC material handling hose 597
UREVAC-3 - Heavy duty Polyurethane material transfer hose with embedded copper grounding wire .598
Series WU Standard duty Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications 599
Series UVPE Heavy duty Polyurethane/Polypropylene reinforced material transfer hose with embedded copper grounding wire 600
UREVAC-1 - Standard duty Polyurethane lightweight blower and ducting hose 601
Series UVF Standard duty Polyurethane food grade lightweight blower and ducting hose 602
Series MULCH Abrasion-resistant PVC mulch & bark transfer hose 603
Series GC "Ground Cover" Hose Abrasion-resistant Polyurethane-lined mulch and bark transfer hose .604
Series LK - "Lawn King" Abrasion-resistant low-temperature super flexible PVC blower and ducting hose 605
Series GT Light duty PVC dust collection and blower hose 606
Series GTF PVC food grade lightweight blower and ducting hose 607
Series CG "Cover Guard" - CG: Light duty PVC ducting hose - CG-SL: Factory-Slit MSHA-listed PVC Conduit 608
Series WH Medium duty PVC suction, blower and ducting hose 609
Tiger-Duct™ Extendo-Duct™ Polypropylene/Wire Reinforced Chemical fume air ducting hose 610
Series OV Oil Vac™ Heavy duty polyurethane hose for liquid-oil or dry material applications 612
Series ORV Oil-Resistant PVC Hose 613
Series WOR PVC vapor recovery hose 614
Series WOR PVC vapor recovery hose 615
Banding Coils For both food grade & non-food grade applications 616
Banding Sleeves Fits Tigerflex® hoses Series WOR & Series 2020 617
TigerClamp™ Spiral Double Bolt Clamps. 618
Aluminum Swivel Cam & Groove Couplings. 619
Care, maintenance and storage of Tigerflex® hose 621
The Effect of Temperature on Working Pressure & Vacuum Ratings 621
Working Pressure Ratings 621
Chemical Resistance Guide 622
KURI TEC 629
KURI TEC® APPLICATION GUIDE 630

INDICE

KLEARON™ 68 - Series K018 - Clear PVC Tubing 635
KLEARON™ 73 - Series K010 - Clear PVC Tubing 637
Series K050 - Clear PVC Tubing 639
Series 3300 - Ether-Based - Polyurethane-Lined - Clear PVC Tubing 641
Series 2600 - 85 Shore "A" Ether-Based Clear - Food Grade Polyurethane Tubing 642
Series 2840, 2841, 2844, 2846 - 95 Shore "A" Ether-Based - Heavy Duty Polyurethane Tubing 644
220 Series - Linear Low Density - Food Grade - Polyethylene Tubing. 646
221 Series - Linear Low Density - Industrial Grade - Polyethylene Tubing 647
Series A1730 - Flexible FDA lyethylene Hose 650
Series A3236 - High Purity Non-Toxic LLDPE Water Hose 651
Series K6155, K6158 - High Purity Non-Toxic PVC - Potable Water Hose 653
Series K6136 - High Purity Street to Home - Potable Water Hose. 655
Series K3280, K3285 - NSF-61 Certified - Reinforced PVC - Flexible - Connection Hose 657
Series 136 - Non-Toxic RV Water - Hose - IAPMO Listed - Under Accuflex File T®-2008 659
CLEARBRAID® - K3150 Series RF - Standard Wall PVC Food - & Beverage Hose. 661
CLEARBRAID® - K3130 Series BF - BF Heavy Wall PVC Food - & Beverage Hose 663
POLYWIRE® PLU - Series K7300 - Hose Heavy Wall Wire-Yarn - Reinforced Vacuum/Pressure Hose 665
POLYSPRING® - Series K7160 - Standard Wall PVC Food - & Beverage Vacuum/Transfer Hose 667
POLYWIRE® - Series K7130 - Heavy Wall PVC Food & Beverage Vacuum/Transfer Hose. 669
PNEU-THANE™ - Series K5090, K5094, K5096 - Lightweight Reinforced - Polyurethane
Pneumatic - Air Tool Hose 671
Series A1141, A1144, A1146, A1148 - Special Purpose PVC/Polyurethane Air Hose 673
TUNDRA-AIR® - Series K1231, K1234, K1236 - Air & Water Hose 675
POLYAIR® - Series K1131, K1134, K1136, K1137, K1138 - Multi-Purpose - Air & Water Hose. 677
Series K1154, K1156 - General Purpose PVC - Air & Water Hose 679
Series K1171, K1173, K1174, K1176 - General Service PVC - Air & Water Hose. 680
Series K1181, K1184, K1186 - Utility Grade PVC Air Hose 681
Series K2163 - Contractor PVC - Water Hose 682
Series A1307 - Standard Duty Reinforced - PVC Water Hose 683
Series A1317 - Heavy Duty Reinforced - PVC Water Hose 684
Series A4143 - Medium Pressure - Paint Fluid Transfer Hose. 685
Series A4143S (with Static Wire) - Medium Pressure - Paint Fluid Transfer Hose 687
Series A4086 - High Pressure Polyethylene - Rubber Blend Reinforced - Chemical Spray
&Transfer Hose. 689
Series A1687 - 800 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose. 691
Series A1661 - 600 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose. 693
Series K4131, K4132, K4137 - 600 PSI PVC Spray - Reinforced Hose. 695
Series A1628 - 300 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose. 697
Series K4350 - EVA Yarn-Reinforced - Spray Hose. 698
Series A9350 - Polyethylene - Yarn-Reinforced Dual Line - Spray Hose. 699
Series A1243 - Non-Toxic PVC Air - Breathing Hose. 703
Series A1263 - Low Temperature - Non-Toxic PVC - Air Breathing Hose 705
Series A4164 - Conductive PVC Air Hose - with PVC Cover 707
Series A4176 - Conductive PVC Air Hose with Polyurethane Cover 709
NAUTILUS™ - Series K2W - Weighted Aeration Tubing 711
Series K7000 - Anti-Stat Blasting Tubing 712

Valvole a sfera per bassa pressione

MINI-SFER Art. 3930 717
MINI-SFER Art. 3931 718
EURO-SFER Art. 1700 719
EXPO-SFER Art. 1800 720
VAL-SFER Art. 2700. 721
UNI-SFER Art. 1501 722
INOX-VAL Art. 702000 723
COMBI-SFER Art. 3300 T 724
COMBI-SFER Art. 3400 L. 725

Tenute meccaniche per liquidi

Tenute ROTEN 2 cod. X6GV6 729

Tenute ROTEN 3 cod. X6H62V6 731
Tenute ROTEN 3 cod. XYXY2VY 733
Tenute LIQUIBLOK® TIPO A 735

Lastre in gomma

Lastre e tappeti in gomma 739
Rubberten L/L 740
Rubbertex 1 L/L 741
Rubberbenz 742
Tappeto millerighe 743
Tappeto centorighe 744
Tappeto a bolle 745

Attrezzature

Nebulizzatori atossici inox 749
Pompe manuali per olio e affini 752
Pompe a diaframma serie 1/2" 754
Pompe a diaframma serie 1" 756
Kit distribuzione da cisterna 758
Pompe grasso serie 600 762
Pompe grasso serie 700 764
Come scegliere la pompa idonea alle proprie esigenze 766
Pompe per olio e affini serie 1800 771
Avvolgitubo orientabili inox 773
Kit per grassaggio per fusti 180 - 220 Kg 775
Kit per grassaggio per fusti 50 - 60 Kg 779
Kit per grassaggio per fusti 20 - 30 Kg 783
Martinetti a bottiglia 786
Martinetti a carrello 789
Presse idrauliche 793
Gru idrauliche 796

Raccorderia

Dadi 801
Ogiva 802
Raccordi intermedi diritti 803
Raccordi intermedi a gomito 804
Raccordi intermedi a T 805
Raccordi terminali diritti 806
Raccordi terminali a gomito 807
Raccordo a curva 90° F/F 808
Raccordo a curva 90° F/M 808
Adattatore diritto F/F 809
Adattatore diritto F/M 809
Raccordo a gomito 810
Inserto diritto 811
Inserto a 45° 812
Inserto 813
Inserto F diritta gas 60° 814
Inserto F diritta metrica 60° 815
Inserto F diritta JIC 37° 816
Inserto F diritta ORFS 817
Inserto F 45° gas 60° 818
Inserto F 45° metrica 60° 819
Inserto F 45° JIC 37° 820
Inserto F 45° ORFS 821
Inserto F 90° gas 60° 822
Inserto F 90° metrica 60° 823
Inserto F 90° JIC 37° 824
Inserto F 90° ORFS 825
Inserto M gas 60° 826

INDICE

Inserto M metrica 60° 827
Inserto M JIC 37° 828
Inserto M ORFS 829
Inserto M con sede tubo 830
Inserto flangia SAE 3000 831
Inserto flangia SAE 3000 a 45° 832
Inserto flangia SAE 3000 a 90° 833
Inserto flangia SAE 6000 834
Inserto flangia SAE 6000 a 45° 835
Inserto flangia SAE 6000 a 90° 836
Ghiere SAE 100 R1-2-16 837
Ghiere SAE 100 R6-7-8 838
Ghiere SAE 100 R9 838
Ghiere SAE 100 4SH 838
Raccordi a gomito F/F 839
Raccordi a gomito M/M 839
Manicotti gas 840
Spirale piatta - Protezione tubi 840
Maschio Gas Cilindrico 60° 841
Maschio Metrico sv. 60° 842
Maschio JIC 27° 843
Maschio ORFS 844
Inserto a occhiello 845
Occhiello filettato 846
Occhiello a saldare 846
Prolunghe 847
Riduzione 848
Tappi femmina gas 60° 849
Tappi maschio gas 60° 850
Raccordo a T femmina gas 851
Raccordo a T maschio gas 60° 852
Viti cave 853
Viti cave doppie 854
Manicotto a saldare 855
Deviatore 856
Nipplo a saldare 857
INNESTI RAPIDI 858
  Tenuta a spillo 858
  Tenuta a sfera 858
Rubinetti a sfera ad alta pressione a due vie - Tipo GE2 859
Rubinetti a sfera ad alta pressione a tre vie - Tipo GE3 860
Kuriyama Couplings - Coupling & Accessories 861
Aluminum Quick-Acting Couplings 862
Petroleum Couplings 866
ALSH Aluminum Quick-Acting Couplings 869
Cast Aluminum Compression Quick Couplings & Adapters 871
SS304 Stainless Steel Quick-Acting Couplings 873
SS316 Stainless Steel Quick-Acting Couplings 876
K-LocTM Auto Lock SS316 Quick-Acting Couplings 879
Brass Quick-Acting Couplings 881
Reducing Coupler/Adapters, Spool Adapters, Flange Adapter & Coupler, Coupler x Coupler 884
Glass Reinforced Nylon Quick-Acting Couplings 888
Polypropylene Quick-Acting Couplings 891
Polypropylene Ball Valves 896
Replacement Gaskets For Quick Acting Couplings 897
Replacement Handles & Safety Clips 899
Universal Air Hose Couplings - Plated 900
Sand Blast Hose Couplings 904
Quick Disconnect Couplings and Plugs Industrial Interchange 908

Ground Joints 910
Pin Lug Hose Shank Couplings 915
"Heavy Duty" Forged Brass Fittings 918
Hex Combination Hose Nipples 919
Combination Hose Nipples 920
Menders 920
Stainless Steel Combination Hose Nipples 921
Strainers and Skimmers 922
Polypropylene Strainer with Standard Straight Pipe Threads (NPSM) 924
Hose and Tubing Cutter 924
IRRI-LOC® Galvanized Couplings 925
Clamps 928
Clamps 929
Forged "Plate-Style" Flanges 930
Forged "Plate-Style" Flanges 931
Forged Threaded Flanges 932
Forged Raised Face Slip-On Flanges 933
Forged Raised Face Slip-On Flanges 934
Forged Raised Face Slip-On Flanges 935
Flexible Pump Connectors 936
Why Rubber Expansion Joints? 937
Rubber Expansion Joint Movement 937
Flanged Rubber Expansion Joints 938
HTSRF Series 938
Single Sphere Flanged Rubber Expansion Joints 938
Flanged Rubber Expansion Joints 939
Threaded Union Rubber Expansion Joints 940
ELASTOMER PHYSICAL PROPERTIES & CHEMICAL RESISTANCE 941
Material Specifications 949

Grassi speciali

Caliber Blue EP2 953
Caliber TM (3% Moly) - 3M Caliber TM 5M (5% Moly) 954
Matrix 955
Dura-FilmTM 957
DET 900 958
MadallionTM FM - Grease 959

INDICE

mori s.p.a.

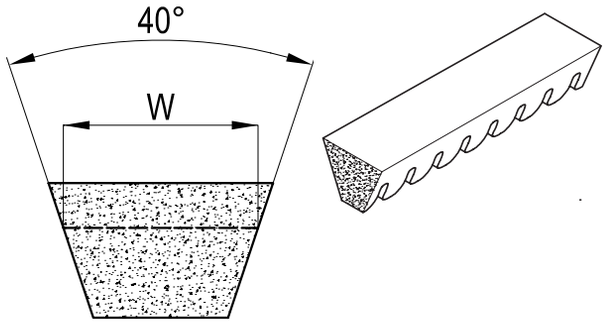
take care of your business

transmission coupler

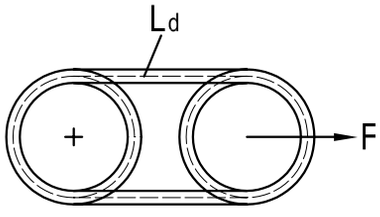
organs de trasmission

organi di trasmissione

GATES toothed v-belts
Courroies trapézoïdales dentées GATES
Cinghie trapezoidali dentate GATES



W = Nominal width top face
T = Nominal thickness
W = Largeur nominale grande base
T = Épaisseur nominale
W = larghezza nominale base maggiore
T = spessore nominale



Ld = Reference pitch length
Service temperature = -30°C + 60°C (80°C for short periods)
Ld = Longueur de référence primitive
Température d'exercice = -30°C + 60°C (80°C pour périodes brèves)
Ld = Lunghezza di riferimento primitiva
Temperatura d'esercizio = -30°C + 60°C (80°C per brevi periodi)

Cod.	Descr.	WxLd
0104010001	6202 MC	9,5mm x 550
0104010002	6204 MC	9,5mm x 600
0104010051	6281 MC	9,5mm x 613
0104010003	6205 MC	9,5mm x 625
0104010053	6283 MC	9,5mm x 638
0104010004	6206 MC	9,5mm x 650
0104010049	6279 MC	9,5mm x 666
0104010005	6207 MC	9,5mm x 675
0104010050	6280 MC	9,5mm x 688
0104010006	6208 MC	9,5mm x 700
0104010034	6261 MC	9,5mm x 713
0104010007	6209 MC	9,5mm x 725
0104010033	6260 MC	9,5mm x 732
0104010048	6276 MC	9,5mm x 737
0104010008	6210 MC	9,5mm x 750
0104010009	6211 MC	9,5mm x 775
0104010046	6273 MC	9,5mm x 788
0104010010	6212 MC	9,5mm x 800
0104010035	6262 MC	9,5mm x 813
0104010011	6213 MC	9,5mm x 825
0104010044	6271 MC	9,5mm x 838
0104010012	6214 MC	9,5mm x 850
0104010036	6263 MC	9,5mm x 865
0104010013	6215 MC	9,5mm x 875
0104010037	6264 MC	9,5mm x 888

Cod.	Descr.	WxLd
0104010014	6216 MC	9,5mm x 900
0104010045	6272 MC	9,5mm x 913
0104010015	6217 MC	9,5mm x 925
0104010038	6265 MC	9,5mm x 938
0104010016	6218 MC	9,5mm x 950
0104010039	6266 MC	9,5mm x 960
0104010017	6219 MC	9,5mm x 975
0104010040	6267 MC	9,5mm x 988
0104010018	6220 MC	9,5mm x 1000
0104010047	6275 MC	9,5mm x 1013
0104010019	6221 MC	9,5mm x 1025
0104010020	6222 MC	9,5mm x 1050
0104010021	6223 MC	9,5mm x 1075
0104010022	6224 MC	9,5mm x 1100
0104010041	6268 MC	9,5mm x 1113
0104010023	6225 MC	9,5mm x 1125
0104010042	6269 MC	9,5mm x 1138
0104010024	6226 MC	9,5mm x 1150
0104010025	6227 MC	9,5mm x 1175
0104010026	6228 MC	9,5mm x 1200
0104010043	6270 MC	9,5mm x 1213
0104010027	6229 MC	9,5mm x 1225
0104010052	6282 MC	9,5mm x 1238
0104010028	6230 MC	9,5mm x 1250
0104010029	6231 MC	9,5mm x 1275

Transmission coupler

Organs de trasmission

Organi di trasmissione

Cod.	Descr.	WxLd
0104010030	6232 MC	9,5mm x 1300
0104010031	6233 MC	9,5mm x 1325
0104010032	6234 MC	9,5mm x 1350

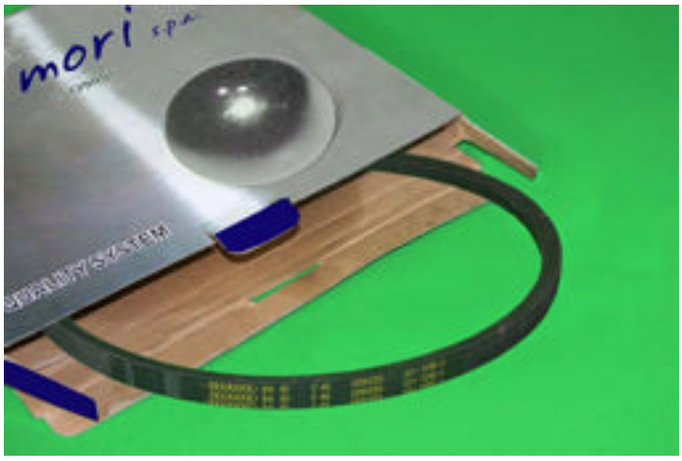
Cod.	Descr.	WxLd
0104010054	6235 ESC	9,5mm x 1375
0104010055	6236 ESC	9,5mm x 1400
0104010056	6237 ESC	9,5mm x 1425
0104010057	6238 ESC	9,5mm x 1450
0104010058	6239 ESC	9,5mm x 1475
0104010059	6240 ESC	9,5mm x 1500
0104010060	6241 ESC	9,5mm x 1525
0104010061	6242 ESC	9,5mm x 1550
0104010062	6243 ESC	9,5mm x 1575
0104010063	6245 ESC	9,5mm x 1625

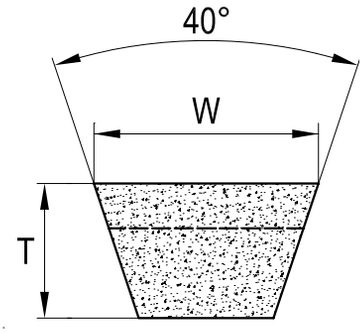
Cod.	Descr.	WxLd
0104040001	6460 ESC	12,5mm x 750
0104040002	6461 ESC	12,5mm x 775
0104040003	6462 ESC	12,5mm x 800
0104040004	6463 ESC	12,5mm x 825
0104040005	6464 ESC	12,5mm x 850
0104040006	6465 ESC	12,5mm x 875
0104040007	6466 ESC	12,5mm x 900
0104040008	6467 ESC	12,5mm x 925
0104040009	6468 ESC	12,5mm x 950
0104040010	6469 ESC	12,5mm x 975
0104040011	6470 ESC	12,5mm x 1000
0104040012	6471 ESC	12,5mm x 1025

Cod.	Descr.	WxLd
0104040013	6472 ESC	12,5mm x 1050
0104040014	6473 ESC	12,5mm x 1075
0104040015	6474 ESC	12,5mm x 1100
0104040016	6475 ESC	12,5mm x 1125
0104040017	6476 ESC	12,5mm x 1150
0104040018	6477 ESC	12,5mm x 1175
0104040019	6478 ESC	12,5mm x 1200
0104040020	6479 ESC	12,5mm x 1225
0104040021	6480 ESC	12,5mm x 1250
0104040022	6481 ESC	12,5mm x 1275
0104040023	6482 ESC	12,5mm x 1300
0104040024	6483 ESC	12,5mm x 1325
0104040025	6484 ESC	12,5mm x 1350
0104040026	6485 ESC	12,5mm x 1375
0104040027	6486 ESC	12,5mm x 1400
0104040028	6487 ESC	12,5mm x 1425
0104040029	6488 ESC	12,5mm x 1450
0104040030	6489 ESC	12,5mm x 1475
0104040031	6490 ESC	12,5mm x 1500
0104040032	6491 ESC	12,5mm x 1525
0104040033	6492 ESC	12,5mm x 1550
0104040034	6493 ESC	12,5mm x 1575
0104040035	6494 ESC	12,5mm x 1600
0104040036	6495 ESC	12,5mm x 1625
0104040037	6496 ESC	12,5mm x 1650
0104040038	6497 ESC	12,5mm x 1675
0104040039	6498 ESC	12,5mm x 1700
0104040040	6499 ESC	12,5mm x 1725

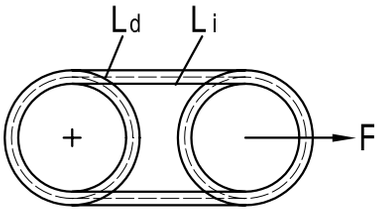
V-belts
Courroies trapézoïdales
Cinghie trapezoidali

Section Type *Section Type* Sezione Tipo	W mm	T mm
8	8	5
Z	10	6
A	13	8
B	17	11
20	20	12,5
C	22	14
25	25	16
D	32	19
E	40	25
45	45	20
50	50	20





W = Nominal width top face
T = Nominal thickness
W = Largeur nominale grande base
T = Épaisseur nominale
W = Larghezza nominale base maggiore
T = Spessore nominale



Ld = Reference pitch length
Li = Inner length
Ld = Longueur de référence primitive
Li = Longueur interne
Ld = Lunghezza di riferimento primitiva
Li = Lunghezza interna

Service temperature = -30°C + 60°C (80°C for short periods)
Température d'exercice = -30°C + 60°C (80°C pour périodes brèves)
Temperatura d'esercizio = -30°C + 60°C (80°C per brevi periodi)

	8	Z	A	B	20	C	25	D	E	45	50
X'	9	13	17	26	31	26	39	43	52	35	41
X"	22	25	33	43	48	62	61	76	105	91	85

Legend:
x' = Difference between external length and pitch length in mm
x'' = Difference between pitch length and inner length
Légende:
x' = Différence entre développement externe et développement primitif en mm
x'' = Différence entre développement primitif et développement interne en mm
Legenda:
x' = Differenza tra sviluppo esterno e sviluppo primitivo in mm
x'' = Differenza tra sviluppo primitivo e sviluppo interno in mm

Transmission coupler

Organs de trasmission

Organi di trasmissione

Cod.	Descr.	Li mm	Ld mm
Z16	Z 16	410	435
Z1725	Z 17 1/4	440	465
Z18	Z 18	460	485
Z19	Z 19	480	505
Z1950	Z 19 1/2	500	525
Z2050	Z 20 1/2	520	545
Z2125	Z 21 1/4	540	565
Z2150	Z 21 1/2	545	570
Z2175	Z 21 3/4	555	580
Z22	Z 22	560	585
Z2225	Z 22 1/4	565	590
Z23	Z 23	585	610
Z2375	Z 23 3/4	605	630
Z24	Z 24	610	635
Z25	Z 25	635	660
Z2550	Z 25 1/2	650	675
Z26	Z 26	660	685
Z27	Z 27	685	710
Z28	Z 28	710	735
Z2850	Z 28 1/2	725	750
Z29	Z 29	735	760
Z2950	Z 29 1/2	750	775
Z30	Z 30	765	790
Z3050	Z 30 1/2	775	800
Z3075	Z 30 3/4	785	810
Z3150	Z 31 1/2	800	825
Z32	Z 32	815	840
Z33	Z 33	840	865
Z3350	Z 33 1/2	850	875
Z34	Z 34	865	890
Z3425	Z 34 1/4	870	895
Z35	Z 35	890	915
Z3550	Z 35 1/2	900	925
Z36	Z 36	915	940
Z3675	Z 36 3/4	935	960
Z37	Z 37	945	970
Z38	Z 38	965	990
Z3825	Z 38 1/4	975	1000
Z39	Z 39	1000	1025
Z40	Z 40	1016	1041
Z4050	Z 40 1/2	1030	1055
Z41	Z 41	1040	1065
Z4150	Z 41 1/2	1050	1075
Z42	Z 42	1070	1095
Z43	Z 43	1090	1115
Z4325	Z 43 1/4	1100	1125
Z44	Z 44	1120	1145
Z45	Z 45	1145	1170
Z46	Z 46	1180	1205
Z48	Z 48	1225	1250
Z49	Z 49	1245	1270
Z50	Z 50	1270	1295
Z51	Z 51	1300	1325
Z52	Z 52	1320	1345
Z53	Z 53	1345	1370
Z54	Z 54	1371	1396
Z55	Z 55	1400	1425
Z56	Z 56	1422	1447
Z57	Z 57	1450	1475
Z59	Z 59	1500	1525
Z5950	Z 59 1/2	1515	1540
Z61	Z 61	1550	1575
Z62	Z 62	1575	1600
Z63	Z 63	1600	1625
Z65	Z 65	1651	1676
Z66	Z 66	1675	1700
Z67	Z 67	1700	1725
Z6850	Z 68 1/2	1740	1765
Z69	Z 69	1750	1775
Z71	Z 71	1803	1828

Cod.	Descr.	Li mm	Ld mm
A15	A 15	382	415
A18	A 18	457	490
A19	A 19	480	513
A20	A 20	508	541
A21	A 21	535	568
A2175	A 21 3/4	552	585
A22	A 22	560	593
A23	A 23	587	620
A2350	A 23 1/2	600	633
A24	A 24	610	643
A25	A 25	637	670
A2550	A 25 1/2	647	680
A26	A 26	660	693
A2650	A 26 1/2	670	703
A27	A 27	686	719
A28	A 28	710	743
A29	A 29	737	770
A2950	A 29 1/2	750	783
A30	A 30	767	800
A3050	A 30 1/2	775	808
A31	A 31	787	820
A3150	A 31 1/2	800	833
A32	A 32	813	846
A3250	A 32 1/2	825	858
A33	A 33	838	871
A3325	A 33 1/4	847	880
A3350	A 33 1/2	850	883
A34	A 34	867	900
A3450	A 34 1/2	875	908
A35	A 35	900	933
A36	A 36	914	947
A37	A 37	942	975
A3750	A 37 1/2	950	983
A38	A 38	965	998
A3850	A 38 1/2	975	1008
A39	A 39	992	1025
A3950	A 39 1/2	1000	1033
A40	A 40	1016	1049
A4050	A 40 1/2	1030	1063
A41	A 41	1041	1074
A42	A 42	1067	1100

Cod.	Descr.	Li mm	Ld mm
A43	A 43	1100	1133
A4350	A 43 1/2	1105	1138
A44	A 44	1120	1153
A4450	A 44 1/2	1132	1165
A45	A 45	1143	1176
A46	A 46	1168	1201
A4650	A 46 1/2	1180	1213
A47	A 47	1200	1233
A48	A 48	1220	1253
A49	A 49	1250	1283
A50	A 50	1270	1303
A51	A 51	1300	1333
A5150	A 51 1/2	1307	1340
A52	A 52	1320	1353
A5250	A 52 1/2	1337	1370
A53	A 53	1346	1379
A5325	A 53 1/4	1355	1388
A54	A 54	1372	1405
A55	A 55	1400	1433
A56	A 56	1422	1455
A57	A 57	1450	1483
A58	A 58	1475	1508
A59	A 59	1500	1533
A60	A 60	1525	1558
A61	A 61	1550	1583
A62	A 62	1575	1608
A63	A 63	1600	1633
A64	A 64	1625	1658
A65	A 65	1650	1683
A66	A 66	1676	1709
A67	A 67	1700	1733
A68	A 68	1725	1758
A69	A 69	1750	1783
A70	A 70	1775	1808
A71	A 71	1800	1833
A72	A 72	1825	1858
A73	A 73	1854	1887
A74	A 74	1880	1913
A75	A 75	1900	1933
A76	A 76	1930	1963
A77	A 77	1956	1989
A78	A 78	1980	2013
A79	A 79	2000	2033
A80	A 80	2032	2065
A81	A 81	2060	2093
A82	A 82	2083	2116
A83	A 83	2100	2133
A8350	A 83 1/2	2120	2153
A84	A 84	2134	2167
A85	A 85	2160	2193
A86	A 86	2187	2220
A87	A 87	2212	2245
A88	A 88	2240	2273
A89	A 89	2267	2300
A90	A 90	2286	2319
A91	A 91	2311	2344
A92	A 92	2337	2370

Cod.	Descr.	Li mm	Ld mm
A93	A 93	2360	2393
A94	A 94	2388	2421
A95	A 95	2413	2446
A96	A 96	2438	2471
A97	A 97	2464	2497
A9750	A 97 1/2	2475	2508
A98	A 98	2500	2533
A100	A 100	2540	2573
A102	A 102	2591	2624
A104	A 104	2650	2683
A105	A 105	2667	2700
A107	A 107	2725	2758
A108	A 108	2743	2776
A110	A 110	2800	2833
A112	A 112	2845	2878
A113	A 113	2870	2903
A116	A 116	2946	2979
A118	A 118	3000	3033
A120	A 120	3048	3081
A124	A 124	3150	3183
A128	A 128	3250	3283
A130	A 130	3302	3335
A132	A 132	3350	3383
A134	A 134	3404	3437
A136	A 136	3454	3487
A140	A 140	3550	3583
A144	A 144	3658	3691
A147	A 147	3737	3770
A148	A 148	3750	3783
A155	A 155	3937	3970
A158	A 158	4000	4033
A162	A 162	4115	4148
A167	A 167	4250	4283
A173	A 173	4394	4427
A177	A 177	4500	4533
A180	A 180	4572	4605
A187	A 187	4750	4783
A197	A 197	5000	5033
A210	A 210	5334	5367
A217	A 217	5477	5510

Cod.	Descr.	Li mm	Ld mm
B2250	B 22 1/2	570	613
B23	B 23	587	630
B24	B 24	612	655
B2450	B 24 1/2	615	658
B25	B 25	637	680
B26	B 26	650	693
B27	B 27	686	729
B28	B 28	710	753
B29	B 29	737	780
B2950	B 29 1/2	750	793
B30	B 30	762	805
B3050	B 30 1/2	775	818
B31	B 31	787	830
B32	B 32	812	855

Transmission coupler

Organs de trasmission

Organi di trasmissione

Cod.	Descr.	Li mm	Ld mm
B3225	B 32 1/4	822	865
B3250	B 32 1/2	825	868
B33	B 33	838	881
B3350	B 33 1/2	850	893
B34	B 34	867	910
B3450	B 34 1/2	875	918
B35	B 35	889	932
B3550	B 35 1/2	900	943
B3575	B 35 3/4	907	950
B36	B 36	917	960
B3675	B 36 3/4	937	980
B37	B 37	942	985
B38	B 38	965	1008
B3850	B 38 1/2	975	1018
B39	B 39	990	1033
B3950	B 39 1/2	1000	1043
B40	B 40	1016	1059
B4050	B 40 1/2	1030	1073
B41	B 41	1040	1083
B42	B 42	1067	1110
B4250	B 42 1/2	1075	1118
B43	B 43	1090	1133
B44	B 44	1120	1163
B4425	B 44 1/4	1127	1170
B45	B 45	1142	1185
B46	B 46	1175	1218
B4650	B 46 1/2	1180	1223
B4675	B 46 3/4	1187	1230
B47	B 47	1200	1243
B4725	B 47 1/4	1202	1245
B4750	B 47 1/2	1215	1258
B48	B 48	1225	1268
B49	B 49	1250	1293
B50	B 50	1275	1318
B51	B 51	1300	1343
B52	B 52	1320	1363
B53	B 53	1350	1393
B5350	B 53 1/2	1360	1403
B54	B 54	1372	1415
B55	B 55	1400	1443
B5550	B 55 1/2	1412	1455
B56	B 56	1422	1465
B57	B 57	1450	1493
B58	B 58	1473	1516
B59	B 59	1500	1543
B60	B 60	1525	1568
B61	B 61	1550	1593
B62	B 62	1575	1618
B63	B 63	1600	1643
B64	B 64	1625	1668
B6450	B 64 1/2	1642	1685
B65	B 65	1650	1693
B66	B 66	1676	1719
B6625	B 66 1/4	1682	1725
B6650	B 66 1/2	1692	1735
B67	B 67	1700	1743
B6725	B 67 1/4	1712	1755

Cod.	Descr.	Li mm	Ld mm
B68	B 68	1725	1768
B69	B 69	1750	1793
B6950	B 69 1/2	1761	1804
B70	B 70	1775	1818
B71	B 71	1800	1843
B72	B 72	1829	1872
B73	B 73	1850	1893
B74	B 74	1880	1923
B75	B 75	1900	1943
B76	B 76	1930	1973
B77	B 77	1950	1993
B78	B 78	1981	2024
B79	B 79	2000	2043
B80	B 80	2032	2075
B81	B 81	2060	2103
B82	B 82	2083	2126
B83	B 83	2108	2151
B84	B 84	2134	2177
B85	B 85	2160	2203
B86	B 86	2187	2230
B87	B 87	2215	2258
B88	B 88	2240	2283
B89	B 89	2261	2304
B90	B 90	2286	2329
B91	B 91	2312	2355
B92	B 92	2337	2380
B93	B 93	2360	2403
B94	B 94	2388	2431
B95	B 95	2413	2456
B96	B 96	2438	2481
B97	B 97	2465	2508
B9750	B 97 1/2	2477	2520
B98	B 98	2500	2543
B99	B 99	2515	2558
B100	B 100	2540	2583
B102	B 102	2600	2643
B103	B 103	2616	2659
B104	B 104	2650	2693
B105	B 105	2667	2710
B106	B 106	2700	2743
B107	B 107	2718	2761
B108	B 108	2750	2793
B110	B 110	2800	2843
B112	B 112	2845	2888
B11250	B 112 1/2	2857	2900
B114	B 114	2900	2943
B115	B 115	2921	2964
B116	B 116	2950	2993
B118	B 118	3000	3043
B120	B 120	3048	3091
B124	B 124	3150	3193
B126	B 126	3200	3243
B127	B 127	3227	3270
B128	B 128	3250	3293
B130	B 130	3302	3345
B131	B 131	3327	3370
B132	B 132	3350	3393

Cod.	Descr.	Li mm	Ld mm
B133	B 133	3378	3421
B134	B 134	3407	3450
B135	B 135	3429	3472
B136	B 136	3450	3493
B140	B 140	3550	3593
B144	B 144	3658	3701
B147	B 147	3737	3780
B148	B 148	3750	3793
B151	B 151	3850	3893
B152	B 152	3861	3904
B154	B 154	3912	3955
B155	B 155	3950	3993
B157	B 157	3987	4030
B158	B 158	4000	4043
B161	B 161	4087	4130
B162	B 162	4115	4158
B163	B 163	4142	4185
B165	B 165	4200	4243
B167	B 167	4250	4293
B168	B 168	4267	4310
B173	B 173	4394	4437
B175	B 175	4450	4493
B177	B 177	4500	4543
B180	B 180	4572	4615
B186	B 186	4727	4770
B187	B 187	4750	4793
B188	B 188	4777	4820
B192	B 192	4877	4920
B195	B 195	4953	4996
B197	B 197	5000	5043
B204	B 204	5182	5225
B208	B 208	5300	5343
B210	B 210	5334	5377
B217	B 217	5507	5550
B221	B 221	5577	5620
B223	B 223	5632	5675
B224	B 224	5657	5700
B225	B 225	5682	5725
B228	B 228	5757	5800
B229	B 229	5782	5825
B237	B 237	6000	6043
B240	B 240	6062	6105
B248	B 248	6267	6310
B249	B 249	6287	6330
B253	B 253	6392	6435
B255	B 255	6442	6485
B259	B 259	6542	6585
B265	B 265	6700	6743
B270	B 270	6825	6868
B276	B 276	7000	7043
B280	B 280	7100	7143
B285	B 285	7207	7250
B300	B 300	7587	7630
B315	B 315	7967	8010
B330	B 330	8347	8390
B345	B 345	8727	8770
B360	B 360	9107	9150
B361	B 361	9132	9175
B364	B 364	9207	9250
B366	B 366	9262	9305
B394	B 394	9972	10015
B433	B 433	10957	11000
B472	B 472	11957	12000

Cod.	Descr.	Li mm	Ld mm
C3375	C 33 3/4	858	920
C3750	C 37 1/2	950	1012
C3975	C 39 3/4	1013	1075
C43	C 43	1090	1152
C46	C 46	1168	1230
C48	C 48	1220	1282
C49	C 49	1250	1312
C51	C 51	1295	1357
C52	C 52	1320	1382
C53	C 53	1350	1412
C54	C 54	1372	1434
C55	C 55	1400	1462
C56	C 56	1425	1487
C59	C 59	1500	1562
C60	C 60	1524	1586
C61	C 61	1560	1622
C6225	C 62 1/4	1583	1645
C63	C 63	1600	1662
C65	C 65	1650	1712
C67	C 67	1700	1762
C68	C 68	1727	1789
C70	C 70	1778	1840
C71	C 71	1798	1860
C75	C 75	1900	1962
C78	C 78	1978	2040
C80	C 80	2032	2094
C81	C 81	2057	2119
C83	C 83	2108	2170
C84	C 84	2134	2196
C85	C 85	2159	2221
C86	C 86	2184	2246
C87	C 87	2208	2270
C90	C 90	2286	2348
C93	C 93	2360	2422
C95	C 95	2413	2475
C96	C 96	2438	2500
C97	C 97	2462	2524
C9750	C 97 1/2	2477	2539
C98	C 98	2500	2562
C99	C 99	2525	2587
C100	C 100	2540	2602
C101	C 101	2560	2622
C102	C 102	2591	2653
C104	C 104	2642	2704
C105	C 105	2667	2729
C106	C 106	2692	2754
C108	C 108	2750	2812
C110	C 110	2800	2862

Transmission coupler

Organs de trasmission

Organi di trasmissione

Cod.	Descr.	Li mm	Ld mm
C111	C 111	2818	2880
C112	C 112	2845	2907
C11250	C 112 1/2	2858	2920
C114	C 114	2888	2950
C115	C 115	2921	2983
C116	C 116	2950	3012
C118	C 118	3000	3062
C120	C 120	3048	3110
C124	C 124	3150	3212
C126	C 126	3200	3262
C128	C 128	3250	3312
C130	C 130	3302	3364
C132	C 132	3350	3412
C134	C 134	3404	3466
C136	C 136	3456	3518
C138	C 138	3498	3560
C140	C 140	3550	3612
C142	C 142	3607	3669
C144	C 144	3658	3720
C147	C 147	3733	3795
C148	C 148	3750	3812
C150	C 150	3808	3870
C153	C 153	3902	3964
C158	C 158	4000	4062
C160	C 160	4064	4126
C162	C 162	4115	4177
C165	C 165	4193	4255
C166	C 166	4216	4278
C168	C 168	4267	4329
C173	C 173	4394	4456
C177	C 177	4500	4562
C180	C 180	4572	4634
C187	C 187	4750	4812
C195	C 195	4953	5015
C197	C 197	5000	5062
C204	C 204	5182	5244
C208	C 208	5300	5362
C210	C 210	5334	5396
C216	C 216	5486	5548
C222	C 222	5600	5662
C225	C 225	5678	5740
C228	C 228	5753	5815
C236	C 236	6000	6062
C238	C 238	6045	6107
C240	C 240	6062	6124
C248	C 248	6263	6325
C250	C 250	6300	6362
C255	C 255	6438	6500
C265	C 265	6700	6762
C270	C 270	6822	6884
C276	C 276	6973	7035
C280	C 280	7100	7162
C285	C 285	7203	7265
C297	C 297	7500	7562
C300	C 300	7582	7644
C303	C 303	7650	7712
C314	C 314	7976	8038

Cod.	Descr.	Li mm	Ld mm
C316	C 316	8000	8062
C330	C 330	8382	8444
C336	C 336	8500	8562
C345	C 345	8723	8785
C360	C 360	9107	9169
C394	C 394	10000	10062
C420	C 420	10632	10694
C424	C 424	10733	10795

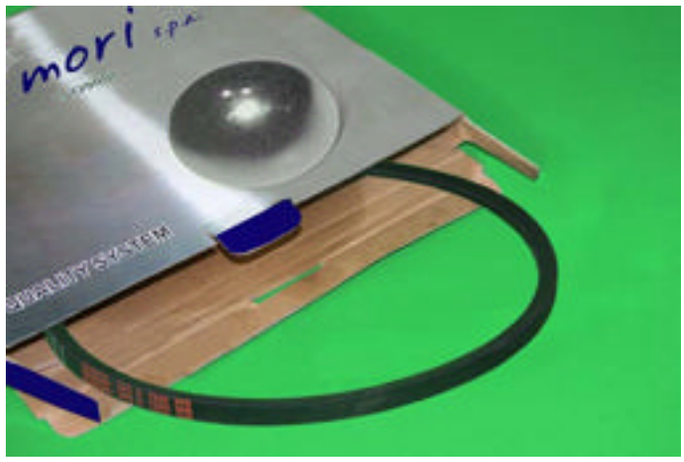
Cod.	Descr.	Le mm
SPZ562	SPZ 562	575
SPZ587	SPZ 587	600
SPZ607	SPZ 607	620
SPZ612	SPZ 612	625
SPZ630	SPZ 630	643
SPZ637	SPZ 637	650
SPZ662	SPZ 662	675
SPZ670	SPZ 670	683
SPZ687	SPZ 687	700
SPZ710	SPZ 710	723
SPZ722	SPZ 722	735
SPZ737	SPZ 737	750
SPZ750	SPZ 750	763
SPZ762	SPZ 762	775
SPZ772	SPZ 772	785
SPZ787	SPZ 787	800
SPZ800	SPZ 800	813
SPZ812	SPZ 812	825
SPZ825	SPZ 825	838
SPZ837	SPZ 837	850
SPZ850	SPZ 850	863
SPZ862	SPZ 862	875
SPZ875	SPZ 875	888
SPZ887	SPZ 887	900
SPZ900	SPZ 900	913
SPZ912	SPZ 912	925
SPZ922	SPZ 922	935
SPZ937	SPZ 937	950
SPZ950	SPZ 950	963
SPZ962	SPZ 962	975
SPZ987	SPZ 987	1000
SPZ1000	SPZ 1000	1013
SPZ1012	SPZ 1012	1025
SPZ1024	SPZ 1024	1037
SPZ1037	SPZ 1037	1050
SPZ1047	SPZ 1047	1060
SPZ1060	SPZ 1060	1073
SPZ1077	SPZ 1077	1090
SPZ1087	SPZ 1087	1100
SPZ1112	SPZ 1112	1125
SPZ1120	SPZ 1120	1133
SPZ1137	SPZ 1137	1150
SPZ1147	SPZ 1147	1160
SPZ1162	SPZ 1162	1175
SPZ1180	SPZ 1180	1193
SPZ1187	SPZ 1187	1200

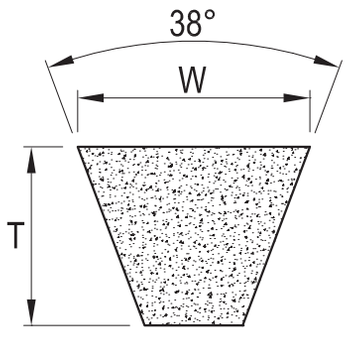
Cod.	Descr.	Le mm
SPZ1202	SPZ 1202	1215
SPZ1212	SPZ 1212	1225
SPZ1237	SPZ 1237	1250
SPZ1250	SPZ 1250	1263
SPZ1262	SPZ 1262	1275
SPZ1270	SPZ 1270	1283
SPZ1287	SPZ 1287	1300
SPZ1312	SPZ 1312	1325
SPZ1320	SPZ 1320	1333
SPZ1337	SPZ 1337	1350
SPZ1347	SPZ 1347	1360
SPZ1362	SPZ 1362	1375
SPZ1387	SPZ 1387	1400
SPZ1400	SPZ 1400	1413
SPZ1412	SPZ 1412	1425
SPZ1437	SPZ 1437	1450
SPZ1462	SPZ 1462	1475
SPZ1487	SPZ 1487	1500
SPZ1500	SPZ 1500	1513
SPZ1512	SPZ 1512	1525
SPZ1537	SPZ 1537	1550
SPZ1562	SPZ 1562	1575
SPZ1587	SPZ 1587	1600
SPZ1600	SPZ 1600	1613
SPZ1612	SPZ 1612	1625
SPZ1637	SPZ 1637	1650
SPZ1650	SPZ 1650	1663
SPZ1662	SPZ 1662	1675
SPZ1687	SPZ 1687	1700
SPZ1700	SPZ 1700	1713
SPZ1737	SPZ 1737	1750
SPZ1750	SPZ 1750	1763
SPZ1762	SPZ 1762	1775

Cod.	Descr.	Le mm
SPZ1787	SPZ 1787	1800
SPZ1800	SPZ 1800	1813
SPZ1812	SPZ 1812	1825
SPZ1837	SPZ 1837	1850
SPZ1850	SPZ 1850	1863
SPZ1862	SPZ 1862	1875
SPZ1887	SPZ 1887	1900
SPZ1900	SPZ 1900	1913
SPZ1937	SPZ 1937	1950
SPZ1962	SPZ 1962	1975
SPZ1987	SPZ 1987	2000
SPZ2000	SPZ 2000	2013
SPZ2019	SPZ 2019	2032
SPZ2037	SPZ 2037	2050
SPZ2062	SPZ 2062	2075
SPZ2087	SPZ 2087	2100
SPZ2120	SPZ 2120	2133
SPZ2137	SPZ 2137	2150
SPZ2187	SPZ 2187	2200
SPZ2240	SPZ 2240	2253
SPZ2262	SPZ 2262	2275
SPZ2287	SPZ 2287	2300
SPZ2360	SPZ 2360	2373
SPZ2437	SPZ 2437	2450
SPZ2487	SPZ 2487	2500
SPZ2500	SPZ 2500	2513
SPZ2650	SPZ 2650	2663
SPZ2800	SPZ 2800	2813
SPZ3000	SPZ 3000	3013
SPZ3150	SPZ 3150	3163
SPZ3350	SPZ 3350	3363
SPZ3550	SPZ 3550	3563

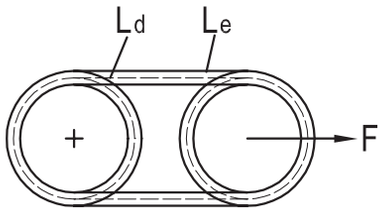
Transmission coupler
Organs de trasmission
Organi di trasmissione

Section Type *Section Type* Sezione Tipo	W mm	T mm
SPZ	9,7	8
SPA	12,7	10
SPB	16,3	13
SPC	22	18





W = Nominal width top face
T = Nominal thickness
W = Largeur nominale grande base
T = Épaisseur nominale
W = Larghezza nominale base maggiore
T = Spessore nominale



Ld = Reference pitch length
Le = Outside length
Ld = Ld = Longueur de référence primitive
Le = Longueur externe
Ld = Lunghezza di riferimento primitiva
Le = Lunghezza esterna

Service temperature = -30°C +60°C (80°C for short periods)
Température d'exercice = -30°C +60°C (80°C pour périodes brèves)
Temperatura d'esercizio = -30°C +60°C (80°C per brevi periodi)

Cod.	Descr.	Le mm
SPA707	SPA 707	725
SPA732	SPA 732	750
SPA757	SPA 757	775
SPA782	SPA 782	800
SPA800	SPA 800	818
SPA807	SPA 807	825
SPA832	SPA 832	850
SPA850	SPA 850	868
SPA857	SPA 857	875
SPA882	SPA 882	900
SPA900	SPA 900	918
SPA907	SPA 907	925
SPA925	SPA 925	943
SPA932	SPA 932	950
SPA950	SPA 950	968
SPA957	SPA 957	975
SPA982	SPA 982	1000
SPA1000	SPA 1000	1018
SPA1007	SPA 1007	1025
SPA1032	SPA 1032	1050

Cod.	Descr.	Le mm
SPA1060	SPA 1060	1078
SPA1082	SPA 1082	1100
SPA1107	SPA 1107	1125
SPA1120	SPA 1120	1138
SPA1132	SPA 1132	1150
SPA1157	SPA 1157	1175
SPA1180	SPA 1180	1198
SPA1207	SPA 1207	1225
SPA1232	SPA 1232	1250
SPA1250	SPA 1250	1268
SPA1257	SPA 1257	1275
SPA1272	SPA 1272	1290
SPA1282	SPA 1282	1300
SPA1307	SPA 1307	1325
SPA1320	SPA 1320	1338
SPA1332	SPA 1332	1350
SPA1357	SPA 1357	1375
SPA1382	SPA 1382	1400
SPA1400	SPA 1400	1418
SPA1407	SPA 1407	1425

Cod.	Descr.	Le mm
SPA1425	SPA 1425	1443
SPA1432	SPA 1432	1450
SPA1457	SPA 1457	1475
SPA1482	SPA 1482	1500
SPA1500	SPA 1500	1518
SPA1507	SPA 1507	1525
SPA1532	SPA 1532	1550
SPA1557	SPA 1557	1575
SPA1582	SPA 1582	1600
SPA1600	SPA 1600	1618
SPA1607	SPA 1607	1625
SPA1632	SPA 1632	1650
SPA1657	SPA 1657	1675
SPA1682	SPA 1682	1700
SPA1700	SPA 1700	1718
SPA1707	SPA 1707	1725
SPA1732	SPA 1732	1750
SPA1757	SPA 1757	1775
SPA1782	SPA 1782	1800
SPA1800	SPA 1800	1818
SPA1807	SPA 1807	1825
SPA1832	SPA 1832	1850
SPA1857	SPA 1857	1875
SPA1882	SPA 1882	1900
SPA1900	SPA 1900	1918
SPA1907	SPA 1907	1925
SPA1925	SPA 1925	1943
SPA1932	SPA 1932	1950
SPA1957	SPA 1957	1975
SPA1982	SPA 1982	2000
SPA2000	SPA 2000	2018
SPA2032	SPA 2032	2050
SPA2057	SPA 2057	2075
SPA2082	SPA 2082	2100
SPA2120	SPA 2120	2138
SPA2132	SPA 2132	2150
SPA2182	SPA 2182	2200
SPA2207	SPA 2207	2225
SPA2232	SPA 2232	2250
SPA2240	SPA 2240	2258
SPA2282	SPA 2282	2300
SPA2300	SPA 2300	2318
SPA2307	SPA 2307	2325
SPA2332	SPA 2332	2350
SPA2360	SPA 2360	2378
SPA2382	SPA 2382	2400
SPA2432	SPA 2432	2450
SPA2482	SPA 2482	2500
SPA2500	SPA 2500	2518
SPA2532	SPA 2532	2550
SPA2582	SPA 2582	2600

Cod.	Descr.	Le mm
SPA2607	SPA 2607	2625
SPA2632	SPA 2632	2650
SPA2650	SPA 2650	2668
SPA2682	SPA 2682	2700
SPA2732	SPA 2732	2750
SPA2782	SPA 2782	2800
SPA2800	SPA 2800	2818
SPA2832	SPA 2832	2850
SPA2847	SPA 2847	2865
SPA2882	SPA 2882	2900
SPA2932	SPA 2932	2950
SPA2982	SPA 2982	3000
SPA3000	SPA 3000	3018
SPA3032	SPA 3032	3050
SPA3082	SPA 3082	3100
SPA3150	SPA 3150	3168
SPA3182	SPA 3182	3200
SPA3282	SPA 3282	3300
SPA3350	SPA 3350	3368
SPA3382	SPA 3382	3400
SPA3550	SPA 3550	3568
SPA3750	SPA 3750	3768
SPA4000	SPA 4000	4018
SPA4250	SPA 4250	4268
SPA4500	SPA 4500	4518

Cod.	Descr.	Le mm
SPB1250	SPB 1250	1272
SPB1320	SPB 1320	1342
SPB1400	SPB 1400	1422
SPB1500	SPB 1500	1522
SPB1600	SPB 1600	1622
SPB1700	SPB 1700	1722
SPB1800	SPB 1800	1822
SPB1900	SPB 1900	1922
SPB2000	SPB 2000	2022
SPB2120	SPB 2120	2142
SPB2240	SPB 2240	2262
SPB2264	SPB 2264	2286
SPB2360	SPB 2360	2382
SPB2391	SPB 2391	2413
SPB2500	SPB 2500	2522
SPB2650	SPB 2650	2672
SPB2800	SPB 2800	2822
SPB3000	SPB 3000	3022
SPB3150	SPB 3150	3172
SPB3350	SPB 3350	3372
SPB3550	SPB 3550	3572
SPB3750	SPB 3750	3772
SPB4000	SPB 4000	4022

Transmission coupler

Organs de trasmission

Organi di trasmissione

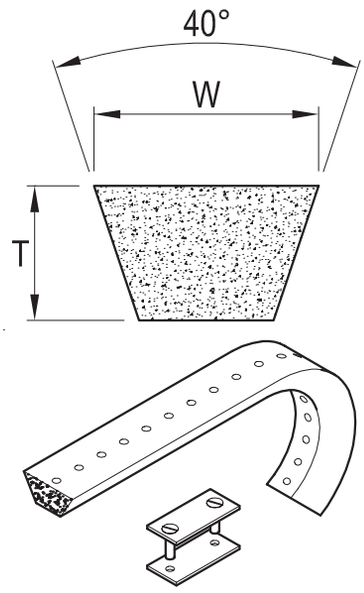
Cod.	Descr.	Le mm
SPB4250	SPB 4250	4272
SPB4500	SPB 4500	4522
SPB4750	SPB 4750	4772
SPB5000	SPB 5000	5022
SPB5300	SPB 5300	5322
SPB5600	SPB 5600	5622
SPB6000	SPB 6000	6022
SPB6300	SPB 6300	6322
SPB6700	SPB 6700	6722
SPB7100	SPB 7100	7122
SPB7500	SPB 7500	7522
SPB8000	SPB 8000	8022

Cod.	Descr.	Le mm
SPC2000	SPC 2000	2030
SPC2120	SPC 2120	2150
SPC2240	SPC 2240	2270
SPC2360	SPC 2360	2390
SPC2500	SPC 2500	2530
SPC2650	SPC 2650	2680
SPC2800	SPC 2800	2830
SPC3000	SPC 3000	3030
SPC3150	SPC 3150	3180
SPC3350	SPC 3350	3380

Cod.	Descr.	Le mm
SPC3550	SPC 3550	3580
SPC3750	SPC 3750	3780
SPC4000	SPC 4000	4030
SPC4250	SPC 4250	4280
SPC4500	SPC 4500	4530
SPC4750	SPC 4750	4780
SPC5000	SPC 5000	5030
SPC5300	SPC 5300	5330
SPC5600	SPC 5600	5630
SPC6000	SPC 6000	6030
SPC6300	SPC 6300	6330
SPC6700	SPC 6700	6730
SPC7100	SPC 7100	7130
SPC7500	SPC 7500	7530
SPC8000	SPC 8000	8030
SPC8500	SPC 8500	8530
SPC9000	SPC 9000	9030
SPC9500	SPC 9500	9530
SPC10000	SPC 10000	10030
SPC10600	SPC 10600	10630
SPC11200	SPC 11200	11230
SPC11800	SPC 11800	11830
SPC12000	SPC 12000	12030
SPC12500	SPC 12500	12530

Classical joinable belts
Courroies classiques emboîtables
Cinghie classiche giuntabili

Section Type *Section Type* Sezione Tipo	**W mm**	**T mm**
Z	10	6
A	13	8
B	17	11
C	22	14



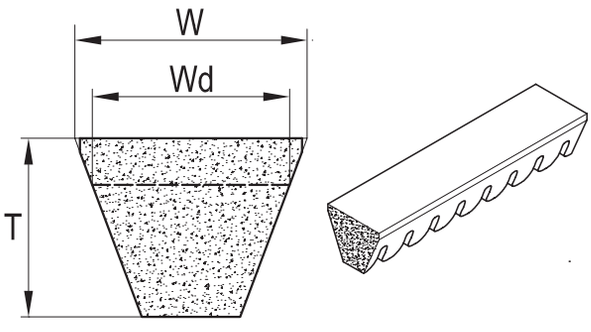
W = Nominal width top face
T = Nominal thickness
W = Largeur nominale de la grande base
T = Épaisseur nominale
W = Larghezza nominale della base maggiore
T = Spessore nominale

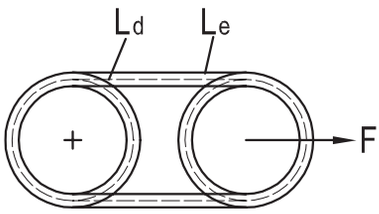
Cod.	**Descr.**	**Section** *Section* Sezione	**W mm**	**T mm**
CONTRAFORCA	CONTRAFOR A	13/A	13	8
CONTRAFORCB	CONTRAFOR B	17/B	17	11
CONTRAFORCC	CONTRAFOR C	22/C	22	14
CONTRAFORCZ	CONTRAFOR Z	10/Z	10	6

Metallic joints
Jointures métallique
Giunzioni metalliche

Cod.	**Descr.**	**Section** *Section* Sezione
CONTRAFORGA	CONTRAFOR A	13/A
CONTRAFORGB	CONTRAFOR B	17/B
CONTRAFORGC	CONTRAFOR C	22/C
CONTRAFORGZ	CONTRAFOR Z	10/Z

Raw-edge narrow-section v-belts
Courroies à flancs nus de section étroite
Cinghie a fianchi nudi di sezione stretta





L_d = Datum length
Le = Outside length
L_d = Longueur de référence
Le = Longueur externe
L_d = Lunghezza di riferimento
Le = Lunghezza esterna

	XPZ	XPA	XPB	XPC
Nominal section W x T (mm) *Section nominale W x T (mm)* Sezione nominale W x T (mm)	10 x 8	13 x 10	16,3 x 13	23 x 18
Reference width Wd (mm) *Largeur de réf. Wd (mm)* Larghezza di rif. Wd (mm)	8,5	11	14	19
Linear mass (g/m) *Masse linéaire (g/m)* Massa lineare (g/m)	69	123	195	334
Min. pulley diameter (mm) *Diam. minimum d'enroulement (mm)* Diam. minimo di avvolgimento (mm)	50	63	90	140
L_e - L_d (mm)	13	18	22	30

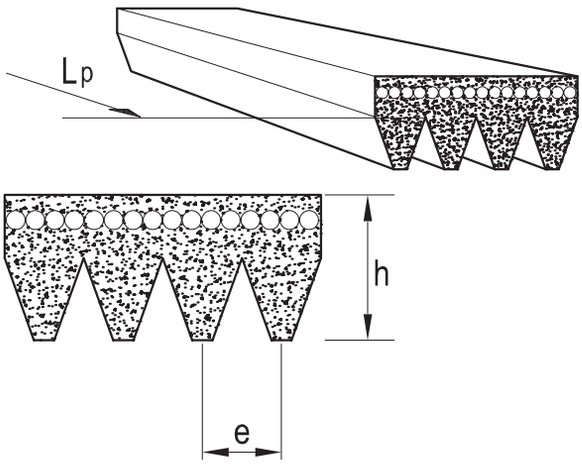
Cod.	Cod.	Cod.
XPZ 600	XPZ 1012	XPZ 1500
XPZ 630	XPZ 1030	XPZ 1512
XPZ 660	XPZ 1037	XPZ 1520
XPZ 670	XPZ 1060	XPZ 1537
XPZ 687	XPZ 1080	XPZ 1550
XPZ 710	XPZ 1087	XPZ 1587
XPZ 722	XPZ 1110	XPZ 1600
XPZ 737	XPZ 1120	XPZ 1650
XPZ 750	XPZ 1137	XPZ 1700
XPZ 762	XPZ 1150	XPZ 1750
XPZ 775	XPZ 1162	XPZ 1800
XPZ 787	XPZ 1180	XPZ 1850
XPZ 800	XPZ 1212	XPZ 1900
XPZ 817	XPZ 1220	XPZ 1950
XPZ 825	XPZ 1237	XPZ 2000
XPZ 837	XPZ 1250	XPZ 2030
XPZ 850	XPZ 1270	XPZ 2120
XPZ 862	XPZ 1280	XPZ 2160
XPZ 875	XPZ 1287	XPZ 2240
XPZ 887	XPZ 1312	XPZ 2280

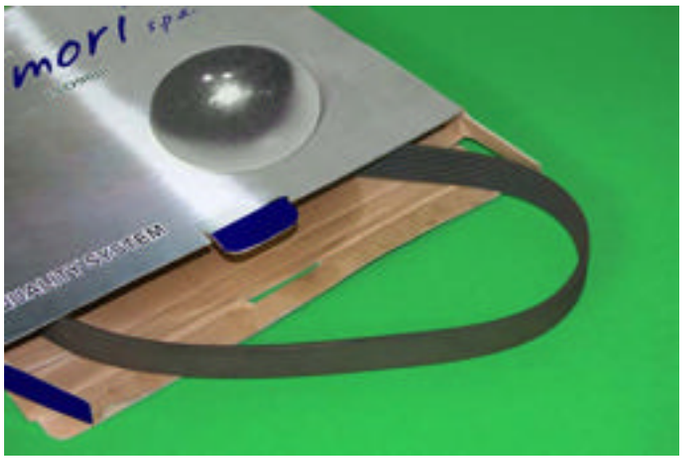
Cod.	Cod.	Cod.
XPZ 900	XPZ 1320	XPZ 2360
XPZ 917	XPZ 1337	XPZ 2500
XPZ 925	XPZ 1360	XPZ 2650
XPZ 937	XPZ 1400	XPZ 2800
XPZ 950	XPZ 1412	XPZ 3000
XPZ 962	XPZ 1420	XPZ 3150
XPZ 975	XPZ 1437	XPZ 3350
XPZ 987	XPZ 1450	XPZ 3550
XPZ 1000	XPZ 1487	
XPA 732	XPA 1142	XPA 1600
XPA 750	XPA 1150	XPA 1607
XPA 757	XPA 1157	XPA 1632
XPA 775	XPA 1172	XPA 1650
XPA 782	XPA 1180	XPA 1682
XPA 800	XPA 1207	XPA 1700
XPA 825	XPA 1220	XPA 1732
XPA 832	XPA 1232	XPA 1750
XPA 850	XPA 1250	XPA 1782
XPA 857	XPA 1257	XPA 1800
XPA 875	XPA 1272	XPA 1850

Cod.	Cod.	Cod.
XPA 882	XPA 1282	XPA 1900
XPA 900	XPA 1307	XPA 1950
XPA 907	XPA 1320	XPA 2000
XPA 925	XPA 1332	XPA 2060
XPA 932	XPA 1360	XPA 2120
XPA 950	XPA 1382	XPA 2180
XPA 957	XPA 1400	XPA 2240
XPA 975	XPA 1442	XPA 2360
XPA 982	XPA 1450	XPA 2430
XPA 1000	XPA 1462	XPA 2500
XPA 1007	XPA 1482	XPA 2650
XPA 1030	XPA 1500	XPA 2800
XPA 1060	XPA 1507	XPA 3000
XPA 1082	XPA 1522	XPA 3150
XPA 1090	XPA 1532	XPA 3350
XPA 1107	XPA 1550	XPA 3550
XPA 1120	XPA 1557	XPA 3750
XPA 1132	XPA 1582	XPA 4000
XPB 1000	XPB 2150	
XPB 1060	XPB 2240	
XPB 1120	XPB 2280	
XPB 1180	XPB 2360	
XPB 1250	XPB 2410	
XPB 1320	XPB 2500	
XPB 1340	XPB 2530	
XPB 1400	XPB 2650	
XPB 1450	XPB 2680	

Cod.	Cod.	Cod.
XPB 1500	XPB 2800	
XPB 1550	XPB 2840	
XPB 1600	XPB 3000	
XPB 1650	XPB 3150	
XPB 1700	XPB 3350	
XPB 1750	XPB 3550	
XPB 1800	XPB 3750	
XPB 1850	XPB 4000	
XPB 1900	XPB 4250	
XPB 1950	XPB 4500	
XPB 2000	XPB 4750	
XPB 2120		
XPC 2000		
XPC 2120		
XPC 2240		
XPC 2500		
XPC 2650		
XPC 2800		
XPC 3000		
XPC 3150		
XPC 3350		
XPC 3550		
XPC 3750		
XPC 4000		
XPC 4250		
XPC 4500		
XPC 4750		

Multiple v-ribbed belts
Courroies cannelées
Cinghie scanalate





	PJ	PL	PM
Interax e (mm) *Interaxe e (mm)* Interasse e (mm)	2,34	4,7	9,4
Height h (mm) *Hauteur h (mm)* Altezza h (mm)	3,5	9,5	16,5
Linear mass per rib (g/m) *Masse linéaire pour nervure (g/m)* Massa lineare per nervatura (g/m)	9,3	36	150
Min. pulley diameter (mm) *Diam. minimum d'enroulement (mm)* Diam. minimo di avvolgimento (mm)	20	75	180
Min. reverse flexing diameter (mm) *Diam. minimum de contre flexion (mm)* Diam. minimo di controflessione (mm)	45	140	300

Please, specify the number of ribs when placing an order
Spécifier dans l'ordre le nombre de nervures
Nell'ordine specificare il numero di nervature

No. of available ribs
N° de nervures disponibles
N° di nervature disponibili

4	5	6	7	8	9	10	11	12	14	15	16	18	20	24

SECTION PJ *SECTION PJ* SEZIONE PJ

Lp (mm)	Descr. RMA
PJ356	140J
PJ381	150J
PJ406	160J
PJ432	170J
PJ457	180J
PJ483	190J
PJ508	200J
PJ559	220J
PJ584	230J
PJ610	240J
PJ660	260J
PJ711	280J
PJ723	285J
PJ737	290J
PJ762	300J
PJ813	320J
PJ838	330J
PJ864	340J

Lp (mm)	Descr. RMA
PJ914	360J
PJ955	376J
PJ965	380J
PJ1016	400J
PJ1041	410J
PJ1067	420J
PJ1092	430J
PJ1105	435J
PJ1110	437J
PJ1118	440J
PJ1123	442J
PJ1130	445J
PJ1136	447J
PJ1150	453J
PJ1168	460J
PJ1194	470J
PJ1200	473J
PJ1222	480J

Lp (mm)	Descr. RMA
PJ1233	485J
PJ1244	490J
PJ1262	497J
PJ1270	500J
PJ1280	504J
PJ1300	512J
PJ1309	515J
PJ1321	520J
PJ1333	525J
PJ1355	534J
PJ1371	540J
PJ1397	550J
PJ1428	562J
PJ1439	567J
PJ1473	580J
PJ1549	610J
PJ1600	630J
PJ1651	650J
PJ1663	655J
PJ1752	690J
PJ1854	730J
PJ1895	746J
PJ1910	752J
PJ1930	760J
PJ1956	770J
PJ1981	780J
PJ1992	784J
PJ2083	820J
PJ2210	870J
PJ2337	920J
PJ2489	980J

SECTION PL *SECTION PL* SEZIONE PL

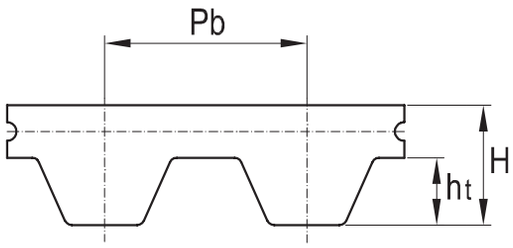
Lp (mm)	Descr. RMA
PL954	375L
PL991	390L
PL1075	423L
PL1270	500L
PL1333	525L
PL1371	540L
PL1397	550L
PL1422	560L
PL1562	615L
PL1613	635L
PL1664	655L
PL1715	675L
PL1765	695L
PL1803	710L
PL1842	725L
PL1943	765L
PL1981	780L

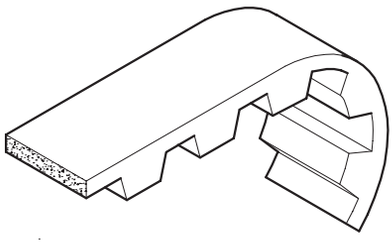
Lp (mm)	Descr. RMA
PL2019	795L
PL2070	815L
PL2096	825L
PL2134	840L
PL2197	865L
PL2235	880L
PL2324	915L
PL2362	930L
PL2477	975L
PL2515	990L
PL2705	1065L
PL2743	1080L
PL2845	1120L
PL2895	1140L
PL2921	1150L
PL2997	1180L
PL3086	1215L
PL3125	1230L
PL3289	1295L
PL3327	1310L
PL3493	1375L
PL3696	1455L

SECTION PM *SECTION PM* SEZIONE PM

Lp (mm)	Descr. RMA
PM2286	900M
PM2388	940M
PM2515	990M
PM2693	1060M
PM2832	1115M
PM2921	1150M
PM3010	1185M
PM3124	1230M
PM3327	1310M
PM3531	1390M
PM3734	1470M
PM4089	1610M
PM4191	1650M
PM4470	1760M
PM4648	1830M
PM5029	1980M
PM5410	2130M
PM6121	2410M
PM6502	2560M
PM6883	2710M
PM7646	3010M
PM8408	3310M
PM9169	3610M
PM9931	3910M

Synchronous toothed belts
Courroies dentées synchrones
Cinghie dentate sincrone





	Pb	
	mm	**inch**
MXL*	2,032	0.08 (2/25)
XL	5,080	0.200 (1/3)
L	9,525	0.375 (3/8)
H	12,700	0.500 (1/2)
XH	22,225	0.875 (7/8)
XXH	31,750	1.250 (1 1/4)

(mm)	**MXL**	**XL**	**L**	**H**	**XH**	**XXH**
(P_b)	2,032	5,080	9,525	12,700	22,225	31,750
(h_t)	0,510	1,270	1,910	2,290	6,350	9,530
(H)	1,140	2,400	3,600	4,400	11,400	15,300

	XL 1/5" (5.08 mm)		
	No. of teeth *N° dents* N. denti	**Development** *Développement* Sviluppo	
		inch	**mm**
60 XL	30	6.00	152.40
70 XL	35	7.00	177.80
80 XL	40	8.00	203.20
90 XL	45	9.00	228.60
100 XL	50	10.00	254.00
110 XL	55	11.00	279.40
120 XL	60	12.00	304.80
130 XL	65	13.00	330.20
140 XL	70	14.00	355.60
150 XL	75	15.00	381.00
156 XL	78	15.60	396.20
160 XL	80	16.00	406.40
170 XL	85	17.00	431.80
180 XL	90	18.00	457.20
190 XL	95	19.00	482.60
200 XL	100	20.00	508.00
210 XL	105	21.00	533.40

	XL 1/5" (5.08 mm)		
	No. of teeth *N° dents* N. denti	**Development** *Développement* Sviluppo	
		inch	**mm**
220 XL	110	22.00	558.80
230 XL	115	23.00	584.20
240 XL	120	24.00	609.60
250 XL	125	25.00	635.00
260 XL	130	26.00	660.40
270 XL	135	27.00	685.80
280 XL	140	28.00	711.20
290 XL	145	29.00	736.60
300 XL	150	30.00	762.00
310 XL	155	31.00	787.40
316 XL	158	31.60	802.60
330 XL	165	33.00	838.20
344 XL	172	34.40	873.80
352 XL	176	35.20	894.10
380 XL	190	38.00	965.20
384 XL	192	38.40	975.40
390 XL	195	39.00	990.60

UNIFIED LENGTHS
LARGEURS UNIFIÉES
LARGHEZZE UNIFICATE

Cod.	inch.	mm
031	5/16	7.94
037	3/8	9.52

	L 3/8" (9.525 mm)		
	No. of teeth *N° dents* N. denti	**Development** *Développement* Sviluppo	
		inch	**mm**
124 L	33	12.37	314.33
150 L	40	15.00	381.00
187 L	50	18.75	476.25
202 L	54	20.25	514.35
210 L	56	21.00	533.40
225 L	60	22.50	571.50
240 L	64	24.00	609.60
255 L	68	25.50	647.70
270 L	72	27.00	685.80
285 L	76	28.50	723.90
300 L	80	30.00	762.00
322 L	86	32.25	819.15
345 L	92	34.50	876.30
367 L	98	36.75	933.45
390 L	104	39.00	990.60
420 L	112	42.00	1066.80
450 L	120	45.00	1143.00
480 L	128	48.00	1219.20
510 L	136	51.00	1295.40
540 L	144	54.00	1371.60
600 L	160	60.00	1524.00

UNIFIED LENGTHS
LARGEURS UNIFIÉES
LARGHEZZE UNIFICATE

Cod.	inch	mm
050	1/2	12.70
075	3/4	19.05
100	1	25.40

	H P 1/2" (12.7 mm)		
	No. of teeth *N° dents* N. denti	**Development** *Développement* Sviluppo	
		inch	**mm**
240 H	48	24.00	609.60
270 H	54	27.00	685.80
300 H	60	30.00	762.00
330 H	66	33.00	838.20
360 H	72	36.00	914.40
390 H	78	39.00	990.60
420 H	84	42.00	1066.80
450 H	90	45.00	1143.00
480 H	96	48.00	1219.20
510 H	102	51.00	1295.40
540 H	108	54.00	1371.60
570 H	114	57.00	1447.80
600 H	120	60.00	1524.00
630 H	126	63.00	1600.20
660 H	132	66.00	1676.40
700 H	140	70.00	1778.00
750 H	150	75.00	1905.00
800 H	160	80.00	2032.00
850 H	170	85.00	2159.00
900 H	180	90.00	2286.00
1000 H	200	100.00	2540.00
1100 H	220	110.00	2794.00
1250 H	250	125.00	3175.00
1400 H	280	140.00	3556.00
1700 H	340	170.00	4318.00

UNIFIED LENGTHS
LARGEURS UNIFIÉES
LARGHEZZE UNIFICATE

Cod.	inch	mm
075	3/4	19.05
100	1	25.40
150	1 1/2	38.10
200	2	50.80
300	3	76.20

	XH P 7/8" (22.225 mm)		
	No. of teeth *N° dents* N. denti	**Development** *Développement* Sviluppo	
		inch	**mm**
507 XH	58	50.75	1289.05
560 XH	64	56.00	1422.40
630 XH	72	63.00	1600.20
700 XH	80	70.00	1778.00
770 XH	88	77.00	1955.80
840 XH	96	84.00	2133.60
980 XH	112	98.00	2489.20
1120 XH	128	112.00	2844.80
1260 XH	144	126.00	3200.40
1400 XH	160	140.00	3556.00
1540 XH	176	154.00	3911.60
1750 XH	200	175.00	4445.00

UNIFIED LENGTHS
LARGEURS UNIFIÉES
LARGHEZZE UNIFICATE

Cod.	inch	mm
200	2	50.80
300	3	76.20
400	4	101.60

	XXH P 1" 1/4 (31.75 mm)		
	No. of teeth *N° dents* N. denti	**Development** *Développement* Sviluppo	
		inch	**mm**
700 XXH	56	70.00	1778.00
800 XXH	64	80.00	2032.00
900 XXH	72	90.00	2286.00
1000 XXH	80	100.00	2540.00
1200 XXH	96	120.00	3048.00
1400 XXH	112	140.00	3556.00
1600 XXH	128	160.00	4064.00
1800 XXH	144	180.00	4572.00

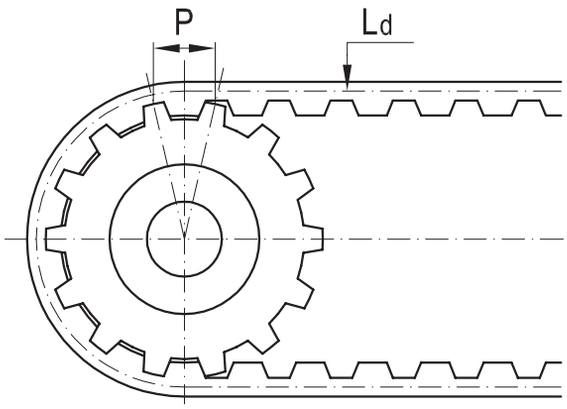
UNIFIED LENGTHS
LARGEURS UNIFIÉES
LARGHEZZE UNIFICATE

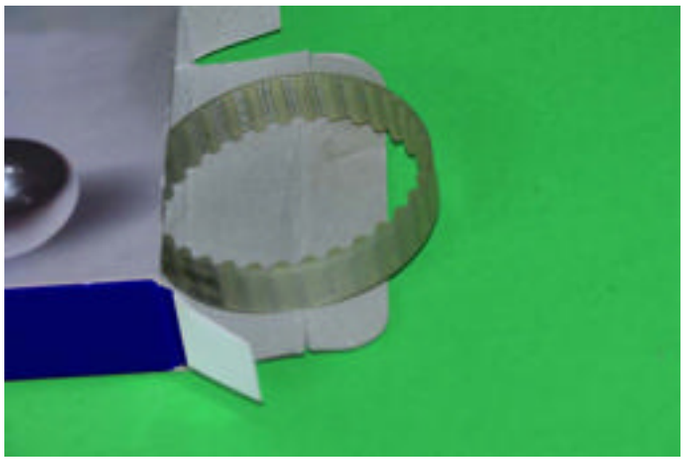
Cod.	inch	mm
200	2	50.80
300	3	76.20
400	4	101.60
500	5	127.00

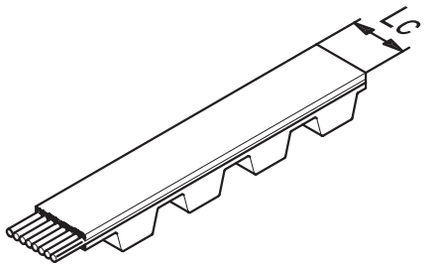
	L P 3/8" (9.525 mm) DUAL		
	No. of teeth *N° dents* N. denti	**Development** *Développement* Sviluppo	
		inch	**mm**
210 L DUAL	56	21.00	533.40
240 L DUAL	64	24.00	609.60
255 L DUAL	68	25.50	647.70
270 L DUAL	72	27.00	685.80
285 L DUAL	76	28.50	723.90
300 L DUAL	80	30.00	762.00
322 L DUAL	86	32.25	819.15
345 L DUAL	92	34.50	876.30
367 L DUAL	98	36.75	933.45
390 L DUAL	104	39.00	990.60
420 L DUAL	112	42.00	1066.80
450 L DUAL	120	45.00	1143.00
480 L DUAL	128	48.00	1219.20
510 L DUAL	136	51.00	1295.40
540 L DUAL	144	54.00	1371.60
600 L DUAL	160	60.00	1524.00
660 L DUAL	176	66.00	1676.40

	H P 1/2" (12.7 mm) DUAL		
	No. of teeth *N° dents* N. denti	**Development** *Développement* Sviluppo	
		inch	**mm**
240 H DUAL	48	24.00	609.60
270 H DUAL	54	27.00	685.80
300 H DUAL	60	30.00	762.00
360 H DUAL	72	36.00	914.40
390 H DUAL	78	39.00	990.60
420 H DUAL	84	42.00	1066.80
450 H DUAL	90	45.00	1143.00
480 H DUAL	96	48.00	1219.20
510 H DUAL	102	51.00	1295.40
540 H DUAL	108	54.00	1371.60
570 H DUAL	114	57.00	1447.80
600 H DUAL	120	60.00	1524.00
630 H DUAL	126	63.00	1600.20
660 H DUAL	132	66.00	1676.40
700 H DUAL	140	70.00	1778.00
750 H DUAL	150	75.00	1905.00
800 H DUAL	160	80.00	2032.00
850 H DUAL	170	85.00	2159.00
900 H DUAL	180	90.00	2286.00
1000 H DUAL	200	100.00	2540.00
1100 H DUAL	220	110.00	2794.00
1250 H DUAL	250	125.00	3175.00
1400 H DUAL	280	140.00	3556.00

"T" Polyurethane toothed belts
Courroies dentées en polyuréthane "T"
Cinghie dentate in poliuretano "T"







P	Lc (mm)	Tolerance on Lc (mm) *Tolérance sur Lc (mm)* Tolleranza su Lc (mm)
T2.5 (2.5 mm)	6	±0.3
T5 (5 mm)	10	±0.5
	16	
	25	
T10 (10 mm)	16	±0.5
	25	
	32	
	50	

Symbols:		*Symboles:*		Simboli:	
Ld = pitch length		*Ld = Longueur primitive*		Ld = lunghezza primitiva	
Lc = belt width		*Lc = Largeur courroie*		Lc = larghezza cinghia	
P = pitch (T)		*P = Pas (T)*		P = passo (T)	
Z = No. of teeth		*Z = N° dents*		Z = N. denti	
Note: please specify length when placing an order		*Note : dans la commande, spécifier la largeur*		Nota: all'ordine specificare la larghezza	
ex 12 T10 440	**Lc = 12**	*ex 12 T10 440*	*Lc = 12*	ex 12 T10 440	Lc = 12
	P = 10		*P = 10*		P = 10
	Ld = 440		*Ld = 440*		Ld = 440

T 2.5 (P 2.5mm)

Cod.	Z	Ld
T2.5-120	48	120.0
T2.5-145	58	145.0
T2.5-160	64	160.0
T2.5-177	71	177.5
T2.5-200	80	200.0
T2.5-230	92	230.0
T2.5-245	98	245.0
T2.5-265	106	265.0
T2.5-285	114	285.0
T2.5-305	122	305.0
T2.5-317	127	317.5
T2.5-330	132	330.0

T 2.5 (P 2.5mm)

Cod.	Z	Ld
T2.5-380	152	380.0
T2.5-420	168	420.0
T2.5-480	192	480.0
T2.5-500	200	500.0
T2.5-600	240	600.0
T2.5-620	248	620.0
T2.5-650	260	650.0
T2.5-780	312	780.0
T2.5-915	366	915.0
T2.5-950	380	950.0

Transmission coupler

Organs de trasmission

Organi di trasmissione

T 5 (P 5mm)

Cod.	Z	Ld
T5-165	33	165.0
T5-185	37	185.0
T5-200	40	200.0
T5-215	43	215.0
T5-220	44	220.0
T5-225	45	225.0
T5-245	49	245.0
T5-255	51	255.0
T5-260	52	260.0
T5-270	54	270.0
T5-280	56	280.0
T5-295	59	295.0
T5-305	61	305.0
T5-330	66	330.0
T5-340	68	340.0
T5-350	70	350.0
T5-355	71	355.0
T5-365	73	365.0
T5-390	78	390.0
T5-400	80	400.0
T5-410	82	410.0
T5-420	84	420.0
T5-455	91	455.0
T5-480	96	480.0
T5-500	100	500.0
T5-510	102	510.0
T5-525	105	525.0
T5-545	109	545.0

T 5 (P 5mm)

Cod.	Z	Ld
T5-550	110	550.0
T5-560	112	560.0
T5-575	115	575.0
T5-610	122	610.0
T5-620	124	620.0
T5-630	126	630.0
T5-640	128	640.0
T5-650	130	650.0
T5-660	132	660.0
T5-690	138	690.0
T5-700	140	700.0
T5-720	144	720.0
T5-750	150	750.0
T5-780	156	780.0
T5-815	163	815.0
T5-840	168	840.0
T5-900	180	900.0
T5-990	198	990.0
T5-1075	215	1075.0
T5-1100	220	1100.0
T5-1215	243	1215.0
T5-1315	263	1315.0
T5-1380	276	1386.0

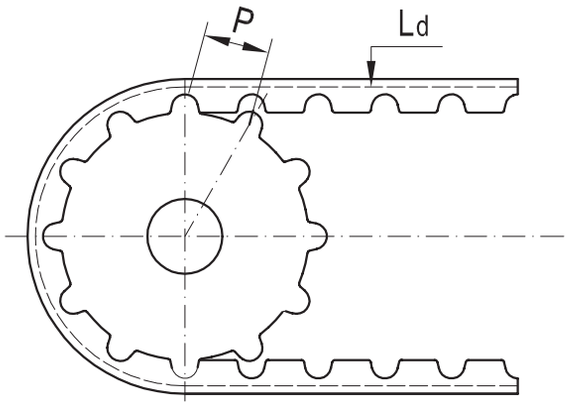
T 10 (P 10mm)

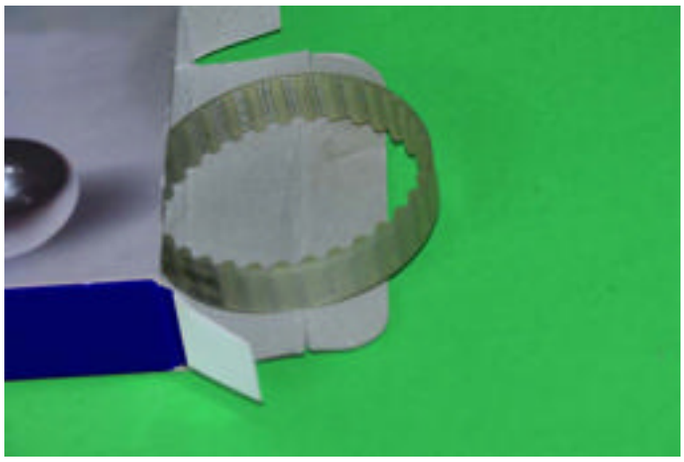
Cod.	Z	Ld
T10-260	26	260
T10-370	37	370
T10-400	40	400
T10-410	41	410
T10-440	44	440
T10-500	50	500
T10-530	53	530
T10-560	56	560
T10-610	61	610
T10-630	63	630
T10-660	66	660
T10-690	69	690
T10-700	70	700
T10-720	72	720
T10-750	75	750
T10-780	78	780
T10-810	81	810
T10-840	84	840
T10-880	88	880
T10-920	92	920
T10-960	96	960
T10-970	97	970

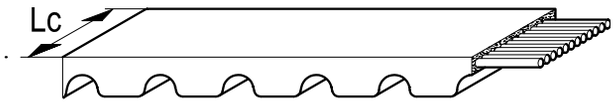
T 10 (P 10mm)

Cod.	Z	Ld
T10-980	98	980
T10-1010	101	1010
T10-1080	108	1080
T10-1140	114	1140
T10-1150	115	1150
T10-1210	121	1210
T10-1240	124	1240
T10-1250	125	1250
T10-1300	130	1300
T10-1320	132	1320
T10-1350	135	1350
T10-1390	139	1390
T10-1400	140	1400
T10-1420	142	1420
T10-1450	145	1450
T10-1460	146	1460
T10-1500	150	1500
T10-1560	156	1560
T10-1610	161	1610
T10-1750	175	1750
T10-1780	178	1780
T10-1880	188	1880
T10-1960	196	1960
T10-2250	225	2250

"AT" Polyurethane toothed belts
Courroies dentées en polyuréthane "AT"
Cinghie dentate in poliuretano "AT"







Ld = Pitch length		*Ld = Longueur primitive*		Ld = Lunghezza primitiva	
P = Pitch (AT)		*P = Pas (AT)*		P = Passo (AT)	
Z = No. of teeth		*Z = N° dents*		Z = N. denti	
Lc = Belt width		*Lc = Largeur courroie*		Lc = Larghezza cinghia	
Note: please specify length when placing an order		*Note : dans la commande, spécifier la largeur*		Nota: all'ordine specificare la larghezza	
	Lc = 16		*Lc = 16*		Lc = 16
For example 16 AT10 440	**P = AT10**	*Exemple 16 AT10 440*	*P = AT10*	Esempio 16 AT10 440	P = AT10
	Ld = 440		*Ld = 440*		Ld = 440

STANDARD BELT LENGTHS AND CUTTING TOLERANCE
LARGEURS STANDARD DES COURROIES ET TOLÉRANCES DE COUPE
LARGHEZZE STANDARD DELLE CINGHIE E TOLLERANZE DI TAGLIO

P	**Lc (mm)**	**Tolerance on Lc (mm)** *Tolérance sur Lc (mm)* Tolleranza su Lc (mm)
AT 5 (5 mm)	10	±0.5
	16	
	25	
AT 10 (10 mm)	16	±0.5
	25	
	32	
	50	

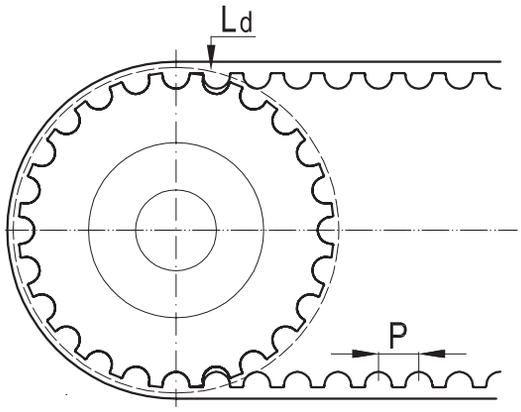
AT 5 (P 5mm)

Cod.	Z	Ld
AT5-225	45	225
AT5-255	51	255
AT5-280	56	280
AT5-300	60	300
AT5-340	68	340
AT5-375	75	375
AT5-390	78	390
AT5-420	84	420
AT5-455	91	455
AT5-500	100	500
AT5-545	109	545
AT5-600	120	600
AT5-610	122	610
AT5-630	126	630
AT5-660	132	660
AT5-720	144	720
AT5-750	150	750
AT5-780	156	780
AT5-825	165	825
AT5-975	195	975
AT5-1050	210	1050
AT5-1125	225	1125
AT5-1500	300	1500

AT 10 (P 10mm)

Cod.	Z	Ld
AT10-500	50	500
AT10-560	56	560
AT10-610	61	610
AT10-660	66	660
AT10-700	70	700
AT10-730	73	730
AT10-780	78	780
AT10-800	80	800
AT10-840	84	840
AT10-890	89	890
AT10-920	92	920
AT10-960	96	960
AT10-980	98	980
AT10-1010	101	1010
AT10-1050	105	1050
AT10-1080	108	1080
AT10-1150	115	1150
AT10-1210	121	1210
AT10-1250	125	1250
AT10-1320	132	1320
AT10-1400	140	1400
AT10-1500	150	1500
AT10-1600	160	1600
AT10-1700	170	1700
AT10-1800	180	1800

Toothed belts
Courroies dentées
Cinghie dentate



Ld = Belt pitch length
Lc = Belt width
P = Pitch
Z = No. of teeth

Ld = Ligne primitive de la courroie
Lc = Largeur courroie
P = Pas
Z = N° dents

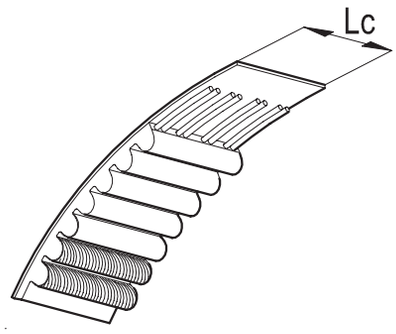
Ld = Linea primitiva della cinghia
Lc = Larghezza cinghia
P = Passo
Z = N° denti

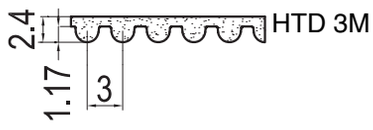
HTD* BELT WIDTHS
*LARGEURS COURROIES HTD**
LARGHEZZE CINGHIE HTD*

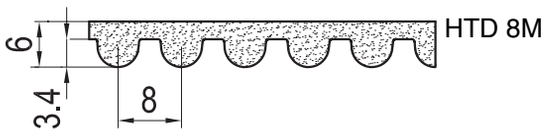
P	HTD* 3M	HTD* 5M	HTD* 8M	HTD* 14M
Lc mm	6	9	20	40
	9	15	30	55
	15	25	50	85
			85	115
				170

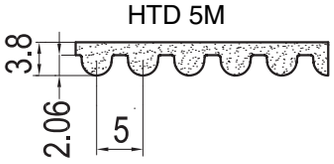
*** STD widths. Other sizes upon request.**
** Largeur STD. A demande autres dimensions*
* Larghezze STD. A richiesta altre dimensioni

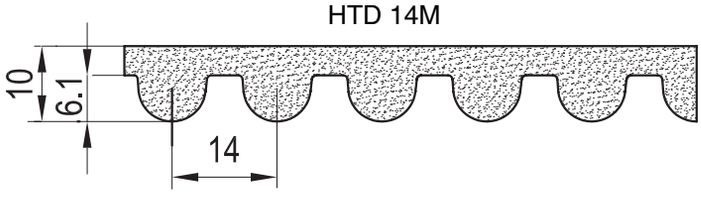
Belt identification: Ld-P-Lc
Identification d'une courroie: Ld-P-Lc
Identificazione di una cinghia: Ld-P-Lc
Ex: 1040 - 8M - 50











HTD 3M (P 3mm)

Z	Ld	**Belt type** *Type de courroie* Tipo di cinghia
50	150	150-3M
55	165	165-3M
60	180	180-3M
65	195	195-3M
70	210	210-3M
75	225	225-3M
84	252	252-3M
85	255	255-3M
95	285	285-3M
100	300	300-3M
110	330	330-3M
119	357	357-3M
128	384	384-3M
140	420	420-3M
149	447	447-3M
158	474	474-3M
171	513	513-3M
188	564	564-3M
204	612	612-3M
245	735	735-3M
246	738	738-3M
268	804	804-3M

HTD 5M (P 5mm)

Z	Ld	**Belt type** *Type de courroie* Tipo di cinghia
36	180	180-5M
45	225	225-5M
51	255	255-5M
56	280	280-5M
60	300	300-5M
61	305	305-5M
65	325	325-5M
68	340	340-5M
70	350	350-5M
75	375	375-5M
80	400	400-5M
85	425	425-5M
90	450	450-5M
95	475	475-5M
100	500	500-5M
105	525	525-5M
110	550	550-5M
112	560	560-5M
115	575	575-5M
120	600	600-5M
127	635	635-5M
134	670	670-5M
140	700	700-5M
150	750	750-5M

HTD 5M (P 5mm)

Z	Ld	**Belt type** *Type de courroie* Tipo di cinghia
160	800	800-5M
172	860	860-5M
180	900	900-5M
190	950	950-5M
196	980	980-5M
207	1035	1035-5M
210	1050	1050-5M
235	1175	1175-5M
240	1200	1200-5M
270	1350	1350-5M

HTD 8M (P 8mm)

Z	Ld	**Belt type** *Type de courroie* Tipo di cinghia
60	480	480-8M
70	560	560-8M
75	600	600-8M
80	640	640-8M
90	720	720-8M
100	800	800-8M
110	880	880-8M
115	920	920-8M
120	960	960-8M
130	1040	1040-8M
140	1120	1120-8M
150	1200	1200-8M
160	1280	1280-8M
180	1440	1440-8M
200	1600	1600-8M
220	1760	1760-8M
225	1800	1800-8M
250	2000	2000-8M
300	2400	2400-8M
325	2600	2600-8M
350	2800	2800-8M

HTD 14M (14mm)

Z	Ld	**Belt type** *Type de courroie* Tipo di cinghia
69	966	966-14M
85	1190	1190-14M
100	1400	1400-14M
115	1610	1610-14M
127	1778	1778-14M
135	1890	1890-14M
150	2100	2100-14M
165	2310	2310-14M
175	2450	2450-14M
185	2590	2590-14M

HTD 14M (14mm)

Z	Ld	**Belt type** *Type de courroie* Tipo di cinghia
200	2800	2800-14M
225	3150	3150-14M
250	3500	3500-14M
275	3850	3850-14M
309	4326	4326-14M
327	4578	4578-14M

Double sided twin power belts
Courroies twin power à double denture
Cinghie twin power a doppia dentatura

HTD 8M (P 8mm)

Z	Ld	**Belt type** *Type de courroie* Tipo di cinghia
60	480	480-8M DUAL
70	560	560-8M DUAL
75	600	600-8M DUAL
80	640	640-8M DUAL
90	720	720-8M DUAL
100	800	800-8M DUAL
110	880	880-8M DUAL
120	960	960-8M DUAL
130	1040	1040-8M DUAL
140	1120	1120-8M DUAL
150	1200	1200-8M DUAL
160	1280	1280-8M DUAL
180	1440	1440-8M DUAL
200	1600	1600-8M DUAL
220	1760	1760-8M DUAL
225	1800	1800-8M DUAL
250	2000	2000-8M DUAL
300	2400	2400-8M DUAL
325	2600	2600-8M DUAL
350	2800	2800-8M DUAL

Powergrip toothed pulleys for positive belts

Poulies dentées Powergrip pour courroies positives

Pulegge dentate Powergrip per cinghie positive

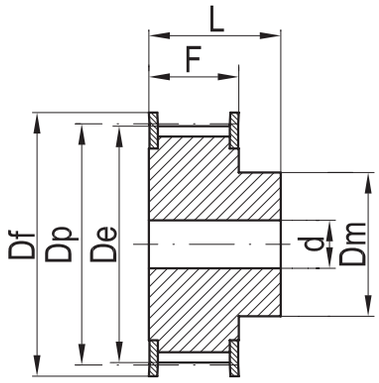


Fig. 1F

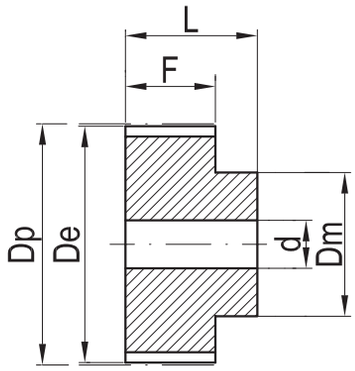


Fig. 2

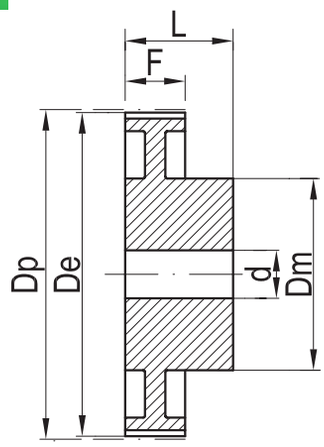


Fig. 3

XL 037 P 1/5" (5.08 mm)

	Cod.	1F/2/3	Z	Dp	De	Df	Dm	F	L	d
STEEL/ ALUMINIUM *ACIER/ ALUMINIUM* ACCIAIO/ ALLUMINIO	10 XL 037	1F	10	16.17	15.66	23.0	9.5	14.3	20	-
	11 XL 037	1F	11	17.79	17.28	23.0	9.5	14.3	20	-
	12 XL 037	1F	12	19.40	18.90	25.0	10	14.3	20	-
	13 XL 037	1F	13	21.02	20.51	25.0	10	14.3	20	-
	14 XL 037	1F	14	22.64	22.13	28.0	15	14.3	20	-
	15 XL 037	1F	15	24.26	23.75	28.0	15	14.3	20	-
	16 XL 037	1F	16	25.87	25.36	32.0	16	14.3	20	-
	17 XL 037	1F	17	27.49	26.98	32.0	20	14.3	20	-
	18 XL 037	1F	18	29.11	28.60	35.0	20	14.3	20	-
	19 XL 037	1F	19	30.72	30.22	35.0	20	14.3	22	-
	20 XL 037	1F	20	32.34	31.83	38.0	23.5	14.3	22	-
	21 XL 037	1F	21	33.96	33.45	38.0	23.5	14.3	22	-
	22 XL 037	1F	22	35.57	35.07	41.0	25	14.3	22	6
	24 XL 037	1F	24	38.81	38.30	44.0	30	14.3	22	6
	26 XL 037	1F	26	42.04	41.53	48.0	30	14.3	22	8
	27 XL 037	1F	27	43.66	43.15	48.0	30	14.3	22	8
	28 XL 037	1F	28	45.28	44.77	51.0	34	14.3	22	8
	30 XL 037	1F	30	48.51	48.00	54.0	38	14.3	22	8
	32 XL 037	1F	32	51.74	51.24	57.0	38	14.3	25	8
	34 XL 037	1F	34	54.98	54.47	61.0	38	14.3	25	8
	35 XL 037	1F	35	56.60	56.09	61.0	38	14.3	25	8
ALUMINIUM *ALUMINIUM* ALLUMINIO	36 XL 037	2	36	58.21	57.70	-	45	14.3	25	8
	38 XL 037	2	38	61.45	60.94	-	45	14.3	25	8
	40 XL 037	2	40	64.68	64.17	-	45	14.3	25	8
	42 XL 037	2	42	67.91	67.41	-	45	14.3	25	8
	44 XL 037	2	44	71.15	70.64	-	45	14.3	25	8
	48 XL 037	3	48	77.62	77.11	-	45	14.3	25	10
	60 XL 037	3	60	97.02	96.51	-	45	14.3	25	10
	72 XL 037	3	72	116.42	115.92	-	45	14.3	25	10

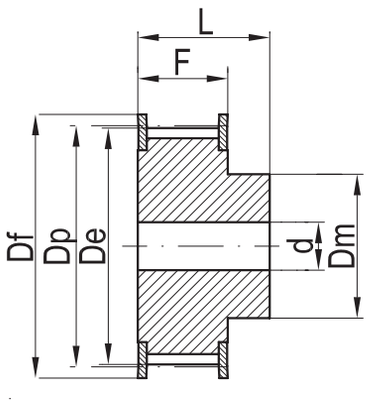


Fig. 1F

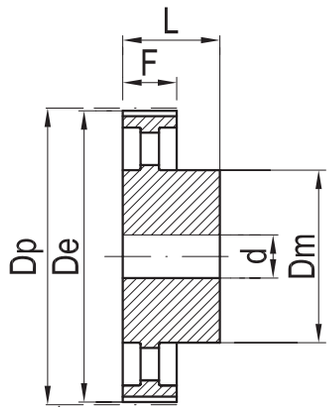


Fig. 4

L 050 P 3/8" (9.52 mm)

	Cod.	1F/2/3	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	10 L 050	1F	10	30.33	29.56	37.00	20	19.0	28	8
	11 L 050	1F	11	33.35	32.59	37.00	22	19.0	30	8
	12 L 050	1F	12	36.37	35.62	43.00	24	19.0	30	8
	13 L 050	1F	13	39.41	38.65	44.00	28	19.0	30	8
	14 L 050	1F	14	42.44	41.68	48.00	28	19.0	30	8
	15 L 050	1F	15	45.48	44.72	51.00	34	19.0	30	8
	16 L 050	1F	16	48.51	47.75	54.00	36	19.0	32	8
	17 L 050	1F	17	51.54	50.78	57.00	36	19.0	32	10
	18 L 050	1F	18	54.59	53.81	60.00	40	19.0	32	10
	19 L 050	1F	19	57.61	56.84	64.00	40	19.0	32	10
	20 L 050	1F	20	60.63	59.88	66.50	40	19.0	32	10
	21 L 050	1F	21	63.68	62.91	70.00	45	19.0	32	10
	22 L 050	1F	22	66.70	65.94	75.00	45	19.0	32	10
	23 L 050	1F	23	69.73	68.97	79.00	55	19.0	32	10
	24 L 050	1F	24	72.77	72.00	79.00	55	19.0	32	10
	25 L 050	1F	25	75.80	75.04	82.50	58	19.0	32	10
	26 L 050	1F	26	78.84	78.07	86.00	58	19.0	32	11
	27 L 050	1F	27	81.86	81.10	86.00	58	19.0	32	11
	28 L 050	1F	28	84.89	84.13	91.00	58	19.0	32	11
	30 L 050	1F	30	90.96	90.20	97.00	70	19.0	32	11
	32 L 050	1F	32	97.03	96.26	102.00	70	19.0	32	11
	33 L 050	1F	33	100.05	99.29	106.00	70	19.0	32	11
	34 L 050	1F	34	103.08	102.32	112.00	70	19.0	32	11
	35 L 050	1F	35	106.12	105.35	112.00	70	19.0	32	11
	36 L 050	1F	36	109.14	108.39	115.00	70	19.0	32	11
	40 L 050	1F	40	121.29	120.51	128.00	70	19.0	32	11
	42 L 050	1F	42	127.34	126.57	135.00	70	19.0	32	11
	44 L 050	1F	44	133.40	132.64	142.00	70	19.0	32	11
	45 L 050	1F	45	136.44	135.67	142.00	70	19.0	32	11
	48 L 050	1F	48	145.54	144.77	150.00	70	19.0	32	11
CAST IRON *FONTE* GHISA	50 L 050	4	50	151.60	150.83	-	70	19.0	32	14
	52 L 050	4	52	157.66	156.90	-	70	19.0	32	14
	56 L 050	4	56	169.79	169.02	-	70	19.0	32	14
	57 L 050	4	57	172.82	172.06	-	70	19.0	32	14
	60 L 050	4	60	181.92	181.15	-	75	19.0	42	14
	72 L 050	4	72	218.29	217.53	-	75	19.0	42	14
	84 L 050	4	84	254.69	253.92	-	75	19.0	42	14
	96 L 050	4	96	291.06	290.30	-	75	19.0	42	14

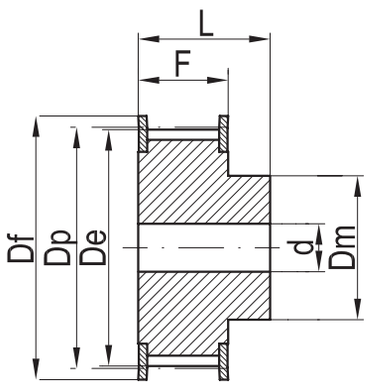


Fig. 1F

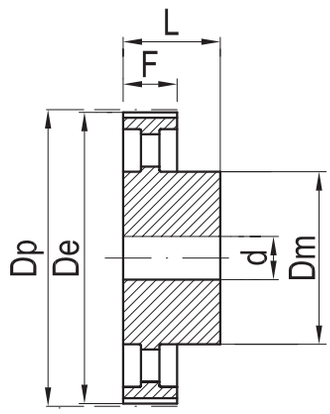


Fig. 4

L 075 P 3/8" (9.52 mm)

	Cod.	1F/4	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	10 L 075	1F	10	30.33	29.56	37.0	20	25.4	38	8
	11 L 075	1F	11	33.35	32.59	37.0	22	25.4	38	8
	12 L 075	1F	12	36.37	35.62	43.0	24	25.4	38	8
	13 L 075	1F	13	39.41	38.65	44.0	28	25.4	38	8
	14 L 075	1F	14	42.44	41.68	48.0	28	25.4	38	11
	15 L 075	1F	15	45.48	44.72	51.0	34	25.4	38	11
	16 L 075	1F	16	48.51	47.75	54.0	36	25.4	38	11
	17 L 075	1F	17	51.54	50.78	57.0	36	25.4	38	11
	18 L 075	1F	18	54.59	53.81	60.0	40	25.4	38	11
	19 L 075	1F	19	57.61	56.84	64.0	40	25.4	38	11
	20 L 075	1F	20	60.63	59.88	66.5	40	25.4	38	11
	21 L 075	1F	21	63.68	62.91	70.0	45	25.4	38	11
	22 L 075	1F	22	66.70	65.94	75.0	45	25.4	38	11
	23 L 075	1F	23	69.73	68.97	79.0	55	25.4	38	11
	24 L 075	1F	24	72.77	72.00	79.0	55	25.4	38	11
	25 L 075	1F	25	75.80	75.04	82.5	58	25.4	38	11
	26 L 075	1F	26	78.84	78.07	86.0	58	25.4	38	11
	27 L 075	1F	27	81.86	81.10	86.0	58	25.4	38	11
	28 L 075	1F	28	84.89	84.13	91.0	58	25.4	38	11
	30 L 075	1F	30	90.96	90.20	97.0	70	25.4	38	11
	32 L 075	1F	32	97.03	96.26	102.0	70	25.4	38	11
	33 L 075	1F	33	100.05	99.29	106.0	70	25.4	38	11
	34 L 075	1F	34	103.08	102.32	112.0	70	25.4	38	11
	35 L 075	1F	35	106.12	105.35	112.0	70	25.4	38	11
	36 L 075	1F	36	109.14	108.39	115.0	70	25.4	38	11
	40 L 075	1F	40	121.29	120.51	128.0	70	25.4	38	11
	42 L 075	1F	42	127.34	126.57	135.0	70	25.4	38	11
	44 L 075	1F	44	133.40	132.64	142.0	70	25.4	38	11
	45 L 075	1F	45	136.44	135.67	142.0	70	25.4	38	11
	48 L 075	1F	48	145.54	144.77	150.0	70	25.4	38	11
CAST IRON *FONTE* GHISA	50 L 075	4	50	151.60	150.83	-	70	25.4	38	14
	52 L 075	4	52	157.66	156.90	-	70	25.4	38	14
	56 L 075	4	56	169.79	169.02	-	70	25.4	38	14
	57 L 075	4	57	172.82	172.06	-	70	25.4	38	14
	60 L 075	4	60	181.92	181.15	-	75	25.4	45	14
	72 L 075	4	72	218.29	217.53	-	75	25.4	45	14
	84 L 075	4	84	254.69	253.92	-	75	25.4	45	14
	96 L 075	4	96	291.06	290.30	-	75	25.4	45	14

Transmission coupler
Organs de trasmission
Organi di trasmissione

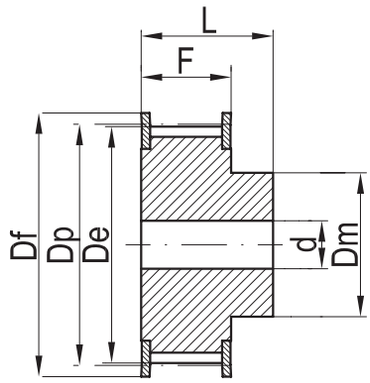


Fig. 1F

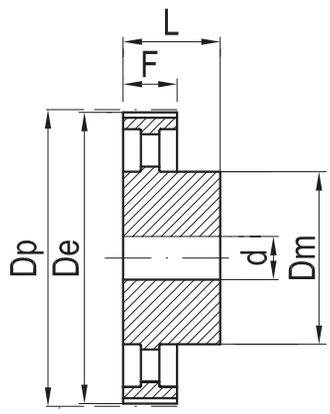


Fig. 4

L 100 P 3/8" (9.52 mm)

	Cod.	1F/4	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	10 L 100	1F	10	30.33	29.56	37.0	20	31.8	45	8
	11 L 100	1F	11	33.35	32.59	37.0	22	31.8	45	8
	12 L 100	1F	12	36.37	35.62	43.0	24	31.8	45	8
	13 L 100	1F	13	39.41	38.65	44.0	28	31.8	45	8
	14 L 100	1F	14	42.44	41.68	48.0	28	31.8	45	11
	15 L 100	1F	15	45.48	44.72	51.0	34	31.8	45	11
	16 L 100	1F	16	48.51	47.75	54.0	36	31.8	45	11
	17 L 100	1F	17	51.54	50.78	57.0	36	31.8	45	11
	18 L 100	1F	18	54.59	53.81	60.0	40	31.8	45	11
	19 L 100	1F	19	57.61	56.84	64.0	40	31.8	45	11
	20 L 100	1F	20	60.63	59.88	66.5	40	31.8	45	11
	21 L 100	1F	21	63.68	62.91	70.0	45	31.8	45	11
	22 L 100	1F	22	66.70	65.94	75.0	45	31.8	45	11
	23 L 100	1F	23	69.73	68.97	79.0	55	31.8	45	11
	24 L 100	1F	24	72.77	72.00	79.0	55	31.8	45	11
	25 L 100	1F	25	75.80	75.04	82.5	58	31.8	45	11
	26 L 100	1F	26	78.84	78.07	86.0	58	31.8	45	11
	27 L 100	1F	27	81.86	81.10	86.0	58	31.8	45	11
	28 L 100	1F	28	84.89	84.13	91.0	58	31.8	45	11
	30 L 100	1F	30	90.96	90.20	97.0	70	31.8	45	11
	32 L 100	1F	32	97.03	96.26	102.0	70	31.8	45	11
	33 L 100	1F	33	100.05	99.29	106.0	70	31.8	45	11
	34 L 100	1F	34	103.08	102.32	112.0	70	31.8	45	11
	35 L 100	1F	35	106.12	105.35	112.0	70	31.8	45	11
	36 L 100	1F	36	109.14	108.39	115.0	70	31.8	45	11
	40 L 100	1F	40	121.29	120.51	128.0	70	31.8	45	11
	42 L 100	1F	42	127.34	126.57	135.0	70	31.8	45	11
	44 L 100	1F	44	133.40	132.64	142.0	70	31.8	45	11
	45 L 100	1F	45	136.44	135.67	142.0	70	31.8	45	11
	48 L 100	1F	48	145.54	144.77	150.0	70	31.8	45	11
CAST IRON *FONTE* GHISA	50 L 100	4	50	151.60	150.83	-	70	31.8	45	14
	52 L 100	4	52	157.66	156.90	-	70	31.8	45	14
	56 L 100	4	56	169.79	169.02	-	70	31.8	45	14
	57 L 100	4	57	172.82	172.06	-	70	31.8	45	14
	60 L 100	4	60	181.92	181.15	-	75	31.8	45	14
	72 L 100	4	72	218.29	217.53	-	75	31.8	45	14
	84 L 100	4	84	254.69	253.92	-	75	31.8	45	14
	96 L 100	4	96	291.06	290.30	-	75	31.8	45	14

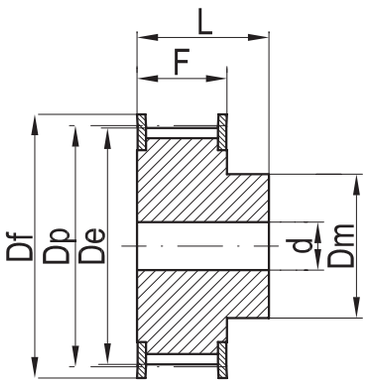


Fig. 1F

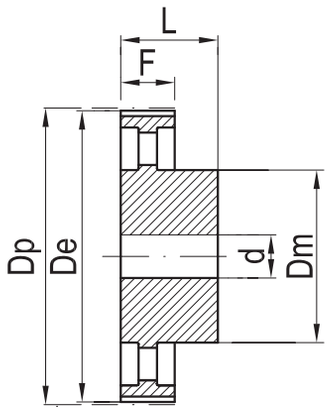


Fig. 4

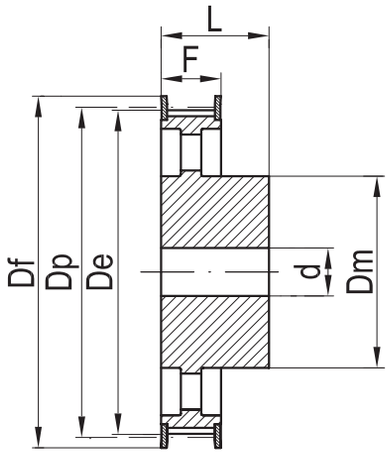


Fig. 5F

H 075 P 1/2" (12.7 mm)

	Cod.	1F/4/5F	Z	Dp	De	Df	Dm	F	L	d
	14 H 075	1F	14	56.59	55.22	64.0	40	26.4	40	_
	15 H 075	1F	15	60.64	59.27	66.5	45	26.4	40	_
	16 H 075	1F	16	64.67	63.31	70.0	45	26.4	40	_
	17 H 075	1F	17	68.72	67.35	75.0	45	26.4	40	_
	18 H 075	1F	18	72.77	71.39	79.0	55	26.4	40	_
	19 H 075	1F	19	76.81	75.44	82.5	60	26.4	40	11
	20 H 075	1F	20	80.85	79.48	87.0	62	26.4	40	11
	21 H 075	1F	21	84.89	83.52	91.0	65	26.4	40	11
	22 H 075	1F	22	88.93	87.56	94.0	68	26.4	40	11
	23 H 075	1F	23	92.98	91.61	97.0	72	26.4	40	11
	24 H 075	1F	24	97.03	95.65	102.0	72	26.4	40	11
STEEL *ACIER* ACCIAIO	25 H 075	1F	25	101.06	99.69	106.0	72	26.4	40	11
	26 H 075	1F	26	105.11	103.73	112.0	80	26.4	40	11
	27 H 075	1F	27	109.15	107.78	115.0	80	26.4	40	11
	28 H 075	1F	28	113.18	111.82	120.0	80	26.4	40	11
	30 H 075	1F	30	121.29	119.90	128.0	80	26.4	40	11
	32 H 075	1F	32	129.30	127.99	135.0	80	26.4	40	11
	33 H 075	1F	33	133.40	132.03	142.0	80	26.4	40	11
	34 H 075	1F	34	137.45	136.07	142.0	80	26.4	40	11
	35 H 075	1F	35	141.49	140.12	150.0	80	26.4	40	11
	36 H 075	1F	36	145.54	144.16	150.0	80	26.4	40	11
	38 H 075	1F	38	153.62	152.24	158.0	80	26.4	40	11
	40 H 075	1F	40	161.70	160.33	168.0	80	26.4	40	11
	42 H 075	1F	42	169.79	168.41	184.0	80	26.4	40	11
CAST IRON *FONTE* GHISA	44 H 075	5F	44	177.80	176.50	184.0	80	26.4	40	14
	48 H 075	5F	48	194.03	192.67	200.0	90	26.4	45	14
	50 H 075	4	50	202.13	200.75	-	90	26.4	45	14

Transmission coupler
Organs de trasmission
Organi di trasmissione

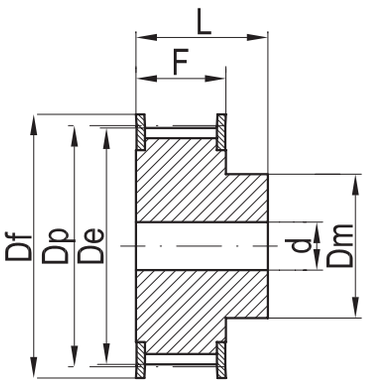


Fig. 1F

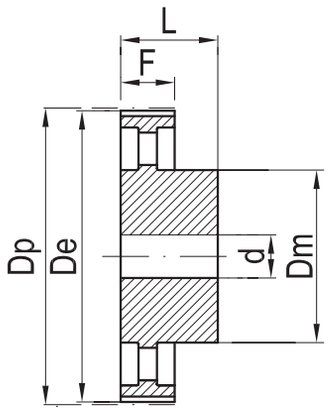


Fig. 4

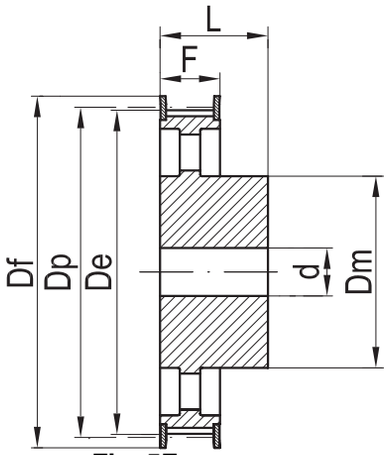


Fig. 5F

H 100 P 1/2" (12.7 mm)

	Cod.	1F/4/5F	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	14 H 100	1F	14	56.59	55.22	64.0	40	31.8	45	-
	15 H 100	1F	15	60.64	59.27	66.5	45	31.8	45	-
	16 H 100	1F	16	64.67	63.31	70.0	45	31.8	45	-
	17 H 100	1F	17	68.72	67.35	75.0	45	31.8	45	-
	18 H 100	1F	18	72.77	71.39	79.0	55	31.8	45	-
	19 H 100	1F	19	76.81	75.44	82.5	60	31.8	45	14
	20 H 100	1F	20	80.85	79.48	87.0	62	31.8	45	14
	21 H 100	1F	21	84.89	83.52	91.0	65	31.8	45	14
	22 H 100	1F	22	88.93	87.56	94.0	68	31.8	45	14
	23 H 100	1F	23	92.98	91.61	97.0	72	31.8	45	14
	24 H 100	1F	24	97.03	95.65	102.0	72	31.8	45	14
	25 H 100	1F	25	101.06	99.69	106.0	72	31.8	45	14
	26 H 100	1F	26	105.11	103.73	112.0	80	31.8	45	14
	27 H 100	1F	27	109.15	107.78	115.0	80	31.8	45	14
	28 H 100	1F	28	113.18	111.82	120.0	80	31.8	45	14
	29 H 100	1F	29	117.23	115.86	120.0	80	31.8	45	14
	30 H 100	1F	30	121.29	119.90	128.0	80	31.8	45	14
	32 H 100	1F	32	129.30	127.99	135.0	80	31.8	45	14
	33 H 100	1F	33	133.40	132.03	142.0	80	31.8	45	14
	34 H 100	1F	34	137.45	136.07	142.0	80	31.8	45	14
	35 H 100	1F	35	141.49	140.12	150.0	80	31.8	45	14
	36 H 100	1F	36	145.54	144.16	150.0	80	31.8	45	14
	38 H 100	1F	38	153.62	152.24	158.0	80	31.8	45	14
	40 H 100	1F	40	161.70	160.33	168.0	80	31.8	45	14
	42 H 100	1F	42	169.79	168.41	180.0	80	31.8	45	14
CAST IRON *FONTE* GHISA	44 H 100	5F	44	177.88	176.50	184.0	80	31.8	50	14
	45 H 100	5F	45	181.91	180.54	192.0	80	31.8	50	14
	48 H 100	5F	48	194.03	192.67	200.0	90	31.8	50	14
	50 H 100	4	50	202.13	200.75	-	90	31.8	50	19
	52 H 100	4	52	210.21	208.84	-	90	31.8	50	19
	58 H 100	4	58	234.47	233.09	-	90	31.8	50	19
	60 H 100	4	60	242.55	241.18	-	120	31.8	50	19
	70 H 100	4	70	282.98	281.61	-	120	31.8	55	19
	72 H 100	4	72	291.06	289.69	-	120	31.8	55	19
	84 H 100	4	84	339.57	338.20	-	120	31.8	55	19
	96 H 100	4	96	388.09	386.71	-	120	31.8	60	19
	120 H 100	4	120	485.12	483.73	-	120	31.8	60	19

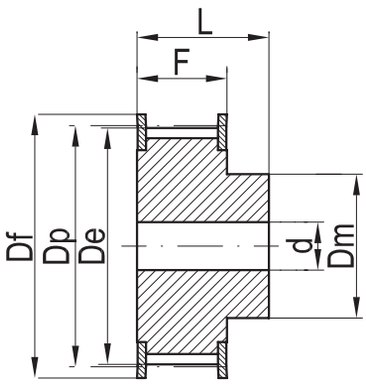


Fig. 1F

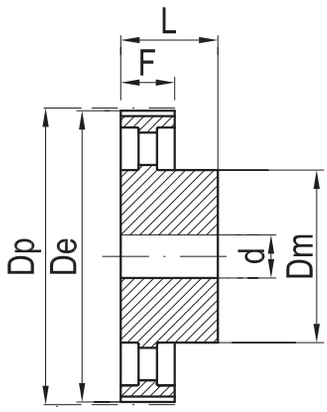


Fig. 4

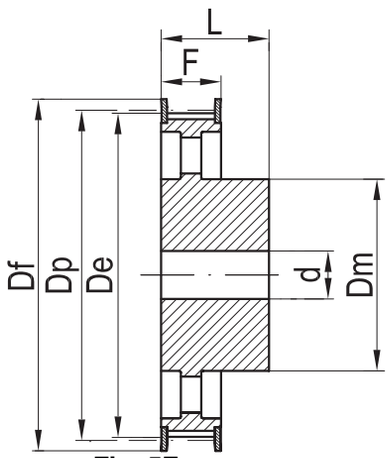


Fig. 5F

H 150 P 1/2" (12.7 mm)

	Cod.	1F/4/5F	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	14 H 150	1F	14	56.59	55.22	64.0	42	46.0	58	-
	15 H 150	1F	15	60.64	59.27	66.5	45	46.0	58	-
	16 H 150	1F	16	64.67	63.31	70.0	45	46.0	58	-
	17 H 150	1F	17	68.72	67.35	75.0	45	46.0	58	-
	18 H 150	1F	18	72.77	71.39	79.0	55	46.0	58	-
	19 H 150	1F	19	76.81	75.44	82.5	60	46.0	58	-
	20 H 150	1F	20	80.85	79.48	87.0	62	46.0	58	-
	21 H 150	1F	21	84.89	83.52	91.0	65	46.0	58	-
	22 H 150	1F	22	88.93	87.56	94.0	68	46.0	58	-
	23 H 150	1F	23	92.98	91.61	97.0	72	46.0	58	-
	24 H 150	1F	24	97.03	95.65	102.0	72	46.0	58	-
	25 H 150	1F	25	101.06	99.69	106.0	72	46.0	58	-
	26 H 150	1F	26	105.11	103.73	112.0	80	46.0	58	-
	27 H 150	1F	27	109.15	107.78	115.0	80	46.0	58	-
	28 H 150	1F	28	113.18	111.82	120.0	80	46.0	58	-
	29 H 150	1F	29	117.23	115.86	120.0	80	46.0	58	-
	30 H 150	1F	30	121.29	119.90	128.0	80	46.0	58	-
	32 H 150	1F	32	129.30	127.99	135.0	80	46.0	58	-
	33 H 150	1F	33	133.40	132.03	142.0	80	46.0	58	-
	34 H 150	1F	34	137.45	136.07	142.0	80	46.0	58	-
	35 H 150	1F	35	141.49	140.12	150.0	80	46.0	58	-
	36 H 150	1F	36	145.54	144.16	150.0	80	46.0	58	-
	38 H 150	1F	38	153.62	152.24	158.0	80	46.0	58	-
	40 H 150	1F	40	161.70	160.33	168.0	80	46.0	58	-
	42 H 150	1F	42	169.79	168.41	180.0	80	46.0	58	-
CAST IRON *FONTE* GHISA	44 H 150	5F	44	177.88	176.50	184.00	80	46.0	58	19
	45 H 150	5F	45	181.91	180.54	192.00	80	46.0	58	19
	48 H 150	5F	48	194.03	192.67	200.00	90	46.0	65	19
	50 H 150	4	50	202.13	200.75	-	90	46.0	65	19
	52 H 150	4	52	210.21	208.84	-	90	46.0	65	19
	58 H 150	4	58	234.47	233.09	-	90	46.0	65	19
	60 H 150	4	60	242.55	241.18	-	120	46.0	65	19
	70 H 150	4	70	282.98	281.61	-	120	46.0	65	24
	72 H 150	4	72	291.06	289.69	-	120	46.0	65	24
	84 H 150	4	84	339.57	338.20	-	120	46.0	65	24
	96 H 150	4	96	388.09	386.71	-	120	46.0	65	24
	120 H 150	4	120	485.12	483.73	-	120	46.0	65	24

Transmission coupler
Organs de trasmission
Organi di trasmissione

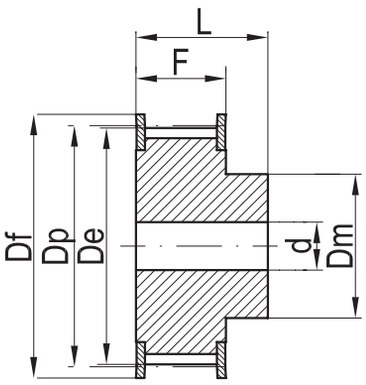


Fig. 1F

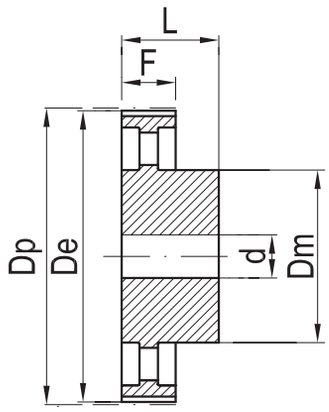


Fig. 4

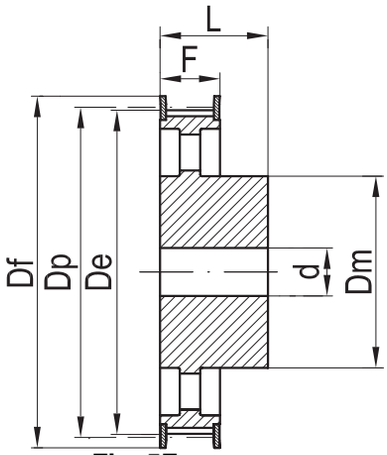


Fig. 5F

H 200 P 1/2" (12.7 mm)

	Cod.	1F/4/5F	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	14 H 200	1F	14	56.59	55.22	64.0	42	58.7	70	-
	15 H 200	1F	15	60.64	59.27	66.5	45	58.7	70	-
	16 H 200	1F	16	64.67	63.31	70.0	45	58.7	70	-
	17 H 200	1F	17	68.72	67.35	75.0	45	58.7	70	-
	18 H 200	1F	18	72.77	71.39	79.0	55	58.7	70	-
	19 H 200	1F	19	76.81	75.44	82.5	60	58.7	70	-
	20 H 200	1F	20	80.85	79.48	87.0	62	58.7	70	-
	21 H 200	1F	21	84.89	83.52	91.0	65	58.7	70	-
	22 H 200	1F	22	88.93	87.56	94.0	68	58.7	70	-
	23 H 200	1F	23	92.98	91.61	97.0	72	58.7	70	-
	24 H 200	1F	24	97.03	95.65	102.0	72	58.7	70	-
	25 H 200	1F	25	101.06	99.69	106.0	72	58.7	70	-
	26 H 200	1F	26	105.11	103.73	112.0	80	58.7	70	-
	27 H 200	1F	27	109.15	107.78	115.0	80	58.7	70	-
	28 H 200	1F	28	113.18	111.82	120.0	80	58.7	70	-
	29 H 200	1F	29	117.23	115.86	120.0	80	58.7	70	-
	30 H 200	1F	30	121.29	119.90	128.0	80	58.7	70	-
	32 H 200	1F	32	129.30	127.99	135.0	80	58.7	70	-
	33 H 200	1F	33	133.40	132.03	142.0	80	58.7	70	-
	34 H 200	1F	34	137.45	136.07	142.0	80	58.7	70	-
	35 H 200	1F	35	141.49	140.12	150.0	80	58.7	70	-
	36 H 200	1F	36	145.54	144.16	150.0	80	58.7	70	-
	38 H 200	1F	38	153.62	152.24	158.0	80	58.7	70	-
	40 H 200	1F	40	161.70	160.33	168.0	80	58.7	70	-
	42 H 200	1F	42	169.79	168.41	180.0	80	58.7	70	-
CAST IRON *FONTE* GHISA	44 H 200	5F	44	177.88	176.50	184.0	80	58.7	70	19
	45 H 200	5F	45	181.91	180.54	192.0	80	58.7	70	19
	48 H 200	5F	48	194.03	192.67	200.0	90	58.7	75	24
	50 H 200	4	50	202.13	200.75	-	90	58.7	75	24
	52 H 200	4	52	210.21	208.84	-	90	58.7	75	24
	58 H 200	4	58	234.47	233.09	-	90	58.7	75	24
	60 H 200	4	60	242.55	241.18	-	120	58.7	75	24
	70 H 200	4	70	282.98	281.61	-	120	58.7	75	28
	72 H 200	4	72	291.06	289.69	-	120	58.7	75	28
	84 H 200	4	84	339.57	338.20	-	120	58.7	75	28
	96 H 200	4	96	388.09	386.71	-	120	58.7	75	28
	120 H 200	4	120	485.12	483.73	-	120	58.7	75	28

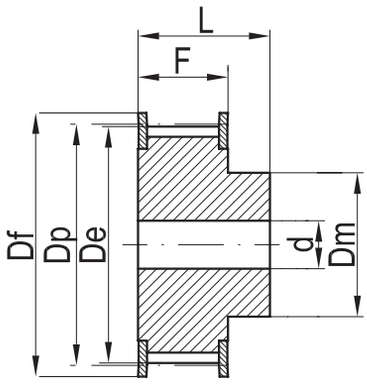


Fig. 1F

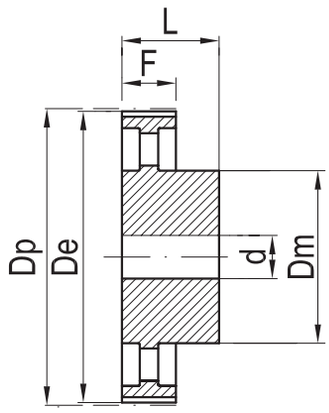


Fig. 4

H 300 P 1/2" (12.7 mm)

	Cod.	1F/4	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	14 H 300	1F	14	56.59	55.22	64.0	42	85.7	100	-
	15 H 300	1F	15	60.64	59.27	66.5	45	85.7	100	-
	16 H 300	1F	16	64.67	63.31	70.0	45	85.7	100	-
	17 H 300	1F	17	68.72	67.35	75.0	45	85.7	100	-
	18 H 300	1F	18	72.77	71.39	79.0	55	85.7	100	-
	19 H 300	1F	19	76.81	75.44	82.5	60	85.7	100	-
	20 H 300	1F	20	80.85	79.48	87.0	62	85.7	100	-
	21 H 300	1F	21	84.89	83.52	91.0	65	85.7	100	-
	22 H 300	1F	22	88.93	87.56	94.0	68	85.7	100	-
	23 H 300	1F	23	92.98	91.61	97.0	72	85.7	100	-
	24 H 300	1F	24	97.03	95.65	102.0	72	85.7	100	-
	25 H 300	1F	25	101.06	99.69	106.0	72	85.7	100	-
	26 H 300	1F	26	105.11	103.73	112.0	80	85.7	100	-
	27 H 300	1F	27	109.15	107.78	115.0	80	85.7	100	-
	28 H 300	1F	28	113.18	111.82	120.0	80	85.7	100	-
	30 H 300	1F	30	121.29	119.90	128.0	80	85.7	100	-
	32 H 300	1F	32	129.30	127.99	135.0	80	85.7	100	-
	33 H 300	1F	33	133.40	132.03	142.0	80	85.7	100	-
	34 H 300	1F	34	137.45	136.07	142.0	80	85.7	100	-
	35 H 300	1F	35	141.49	140.12	150.0	80	85.7	100	-
	36 H 300	1F	36	145.54	144.16	150.0	80	85.7	100	-
	38 H 300	1F	38	153.62	152.24	158.0	80	85.7	100	-
	40 H 300	1F	40	161.70	160.33	168.0	80	85.7	100	-
	42 H 300	1F	42	169.79	168.41	180.0	80	85.7	100	-
CAST IRON *FONTE* GHISA	44 H 300	4	44	177.88	176.50	-	80	85.7	100	24
	48 H 300	4	48	194.03	192.67	-	90	85.7	100	24
	50 H 300	4	50	202.13	200.75	-	90	85.7	100	24
	58 H 300	4	58	234.47	233.09	-	90	85.7	100	24
	60 H 300	4	60	242.55	241.18	-	120	85.7	100	24
	72 H 300	4	72	291.06	289.69	-	120	85.7	100	28
	84 H 300	4	84	339.57	338.20	-	120	85.7	100	28
	96 H 300	4	96	388.09	386.71	-	120	85.7	100	28
	120 H 300	4	120	485.12	483.73	-	120	85.7	100	28

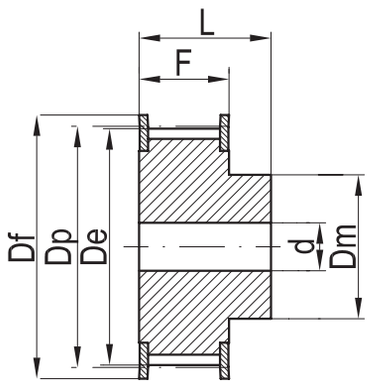


Fig. 1F

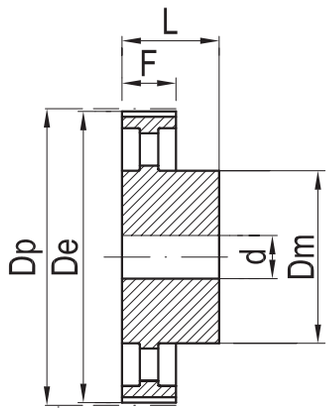


Fig. 4

XH 200 P 7/8" (22.22 mm)

	Cod.	1F/4	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	18 XH 200	1F	18	127.34	124.55	140.0	100	65	80	24
	19 XH 200	1F	19	134.41	131.62	146.0	100	65	80	24
	20 XH 200	1F	20	141.49	138.69	155.0	100	65	80	24
	21 XH 200	1F	21	148.56	145.77	160.0	110	65	80	24
	22 XH 200	1F	22	155.64	152.84	170.0	110	65	80	24
	24 XH 200	1F	24	169.79	166.99	184.0	120	65	80	24
	25 XH 200	1F	25	176.86	174.07	188.0	120	65	80	24
	26 XH 200	1F	26	183.93	181.14	198.0	120	65	80	24
	27 XH 200	1F	27	191.01	188.22	205.0	120	65	80	24
	28 XH 200	1F	28	198.09	195.29	212.0	120	65	80	24
	30 XH 200	1F	30	212.23	209.44	227.0	120	65	80	24
	32 XH 200	1F	32	226.38	223.59	240.0	120	65	80	24
	34 XH 200	1F	34	240.53	237.74	256.0	120	65	80	24
CAST IRON *FONTE* GHISA	38 XH 200	4	38	268.83	266.03	-	150	65	80	28
	40 XH 200	4	40	282.98	280.18	-	150	65	100	28
	48 XH 200	4	48	339.57	336.78	-	150	65	100	28
	60 XH 200	4	60	424.47	421.67	-	150	65	100	28
	72 XH 200	4	72	509.36	506.56	-	160	65	100	28
	84 XH 200	4	84	594.25	591.46	-	160	65	100	28
	96 XH 200	4	96	679.15	676.35	-	160	65	100	28
	120 XH 200	4	120	848.93	846.14	-	160	65	100	28

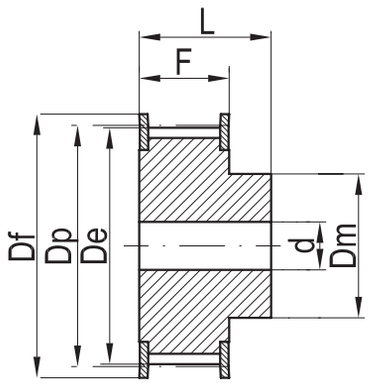


Fig. 1F

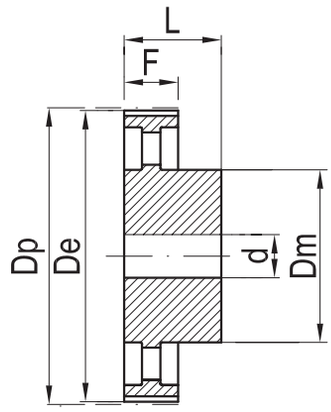


Fig. 4

XH 300 P 7/8" (22.22 mm)

	Cod.	1F/4	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	18 XH 300	1F	18	127.34	124.55	140.0	100	90.5	110	28
	19 XH 300	1F	19	134.41	131.62	146.0	100	90.5	110	28
	20 XH 300	1F	20	141.49	138.69	155.0	100	90.5	110	28
	21 XH 300	1F	21	148.56	145.77	160.0	110	90.5	110	28
	22 XH 300	1F	22	155.64	152.84	170.0	110	90.5	110	28
	24 XH 300	1F	24	169.79	166.99	184.0	120	90.5	110	28
	25 XH 300	1F	25	176.86	174.07	188.0	120	90.5	110	28
	26 XH 300	1F	26	183.93	181.14	198.0	120	90.5	110	28
	27 XH 300	1F	27	191.01	188.22	205.0	120	90.5	110	28
	28 XH 300	1F	28	198.09	195.29	212.0	150	90.5	110	28
	30 XH 300	1F	30	212.23	209.44	227.0	150	90.5	110	28
	32 XH 300	1F	32	226.38	223.59	240.0	150	90.5	110	28
	34 XH 300	1F	34	240.53	237.74	256.0	150	90.5	110	28
CAST IRON *FONTE* GHISA	38 XH 300	4	38	268.83	266.03	-	150	90.5	120	32
	40 XH 300	4	40	282.98	280.18	-	150	90.5	120	32
	48 XH 300	4	48	339.57	336.78	-	175	90.5	120	32
	60 XH 300	4	60	424.47	421.67	-	175	90.5	120	32
	72 XH 300	4	72	509.36	506.56	-	175	90.5	120	32
	84 XH 300	4	84	594.25	591.46	-	175	90.5	120	32
	96 XH 300	4	96	679.15	676.35	-	175	90.5	120	32
	120 XH 300	4	120	848.93	846.14	-	175	90.5	120	32

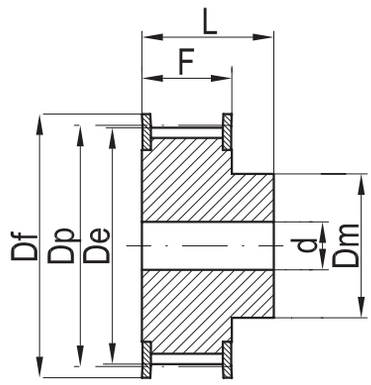


Fig. 1F

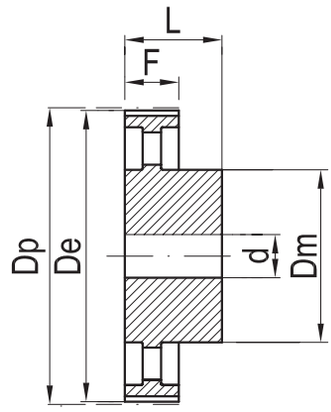


Fig. 4

XH 400 P 7/8" (22.22 mm)

	Cod.	1F/4	Z	Dp	De	Df	Dm	F	L	d
STEEL *ACIER* ACCIAIO	18 XH 400	1F	18	127.34	124.55	140.0	100	118	132	32
	19 XH 400	1F	19	134.41	131.62	146.0	100	118	132	32
	20 XH 400	1F	20	141.49	138.69	155.0	100	118	132	32
	21 XH 400	1F	21	148.56	145.77	160.0	110	118	132	32
	22 XH 400	1F	22	155.64	152.84	170.0	110	118	132	32
	24 XH 400	1F	24	169.79	166.99	184.0	120	118	132	32
	25 XH 400	1F	25	176.86	174.07	188.0	120	118	132	32
	26 XH 400	1F	26	183.93	181.14	198.0	120	118	132	32
	27 XH 400	1F	27	191.01	188.22	205.0	120	118	132	32
	28 XH 400	1F	28	198.09	195.29	212.0	150	118	132	32
	30 XH 400	1F	30	212.23	209.44	227.0	150	118	132	32
	32 XH 400	1F	32	226.38	223.59	240.0	150	118	132	32
	34 XH 400	1F	34	240.53	237.74	256.0	150	118	132	32
CAST IRON *FONTE* GHISA	38 XH 400	4	38	268.83	266.03	-	150	118	132	32
	40 XH 400	4	40	282.98	280.18	-	150	118	132	32
	48 XH 400	4	48	339.57	336.78	-	175	118	132	32
	60 XH 400	4	60	424.47	421.67	-	175	118	132	32
	72 XH 400	4	72	509.36	506.56	-	175	118	132	32
	84 XH 400	4	84	594.25	591.46	-	175	118	132	32
	96 XH 400	4	96	679.15	676.35	-	175	118	132	32
	120 XH 400	4	120	848.93	846.14	-	175	118	132	32

"T" metric pitch toothed pulleys
Poulies dentées pas métrique "T"
Pulegge dentate passo metrico "T"

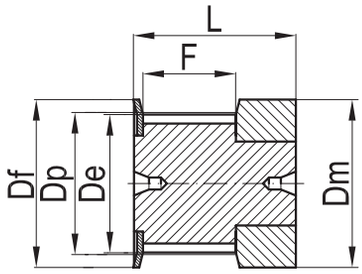


Fig. 0F

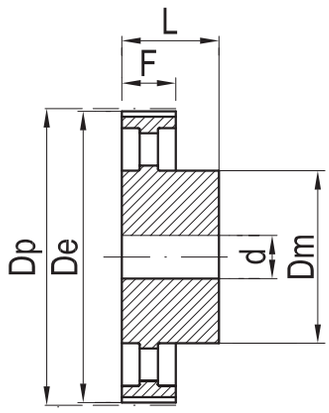


Fig. 1F

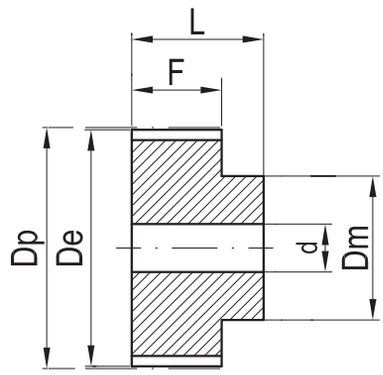


Fig. 2

How to identify a pulley. Example:	**31T10 25**
Pulley width (mm)	**31**
Pulley pitch (mm)	**T10**
No. of pulley teet	**25**

MATERIAL: ALUMINIUM. Suitable for hard oxidation to thickness.

Exemple pour identifier une poulie:	*31T10 25*
Largeur poulie (mm)	*31*
Pas poulie (mm)	*T10*
N° dents poulie	*25*

MATERIAU : ALUMINIUM adapté pour l'oxydation dure à épaisseur.

Esempio di come identificare una puleggia:	31T10 25
Larghezza puleggia (mm)	31
Passo puleggia (mm)	T10
N. denti puleggia	25

MATERIALE: ALLUMINIO adatto per l'ossidazione dura a spessore.

T 2.5 (Pitch 2.5 mm) FOR 6 mm BELT WIDTH
T 2.5 (Pas 2.5 mm) POUR COURROIE LARGEUR 6 mm
T 2.5 (Passo 2.5 mm) PER CINGHIA LARGHEZZA 6 mm

	Cod.	0F/1F/2	Z	Dp	De	Df	Dm	F	L	d
	16 T2.5 12	0F	12	9.60	9.00	13.0	13	9	16	-
	16 T2.5 14	0F	14	11.20	10.60	15.0	15	9	16	-
	16 T2.5 15	0F	15	12.00	11.40	15.0	15	9	16	-
	16 T2.5 16	0F	16	12.80	12.20	16.0	16	9	16	-
	16 T2.5 18	1F	18	14.40	13.80	17.5	10	10	16	-
	16 T2.5 19	1F	19	15.20	14.60	20.0	10	10	16	-
	16 T2.5 20	1F	20	16.00	15.40	20.0	11	10	16	-
	16 T2.5 22	1F	22	17.60	17.00	22.0	11	10	16	-
ALUMINIUM	16 T2.5 24	1F	24	19.15	18.55	22.0	12	10	16	4
ALUMINIUM	16 T2.5 25	1F	25	19.95	19.35	25.0	13	10	16	4
ALLUMINIO	16 T2.5 26	1F	26	20.75	20.15	26.0	14	10	16	4
	16 T2.5 28	1F	28	22.35	21.75	26.0	14	10	16	4
	16 T2.5 30	1F	30	23.95	23.35	26.0	16	10	16	6
	16 T2.5 32	1F	32	25.55	24.95	32.0	16	10	16	6
	16 T2.5 36	1F	36	28.75	28.10	36.0	20	10	16	6
	16 T2.5 40	1F	40	31.90	31.30	38.0	22	10	16	6
	16 T2.5 44	2	44	35.10	34.50	-	24	10	16	6
	16 T2.5 48	2	48	38.30	37.70	-	26	10	16	6
	16 T2.5 60	2	60	47.85	47.25	-	34	10	16	8

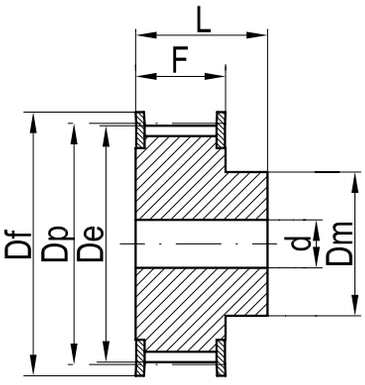


Fig. 1F

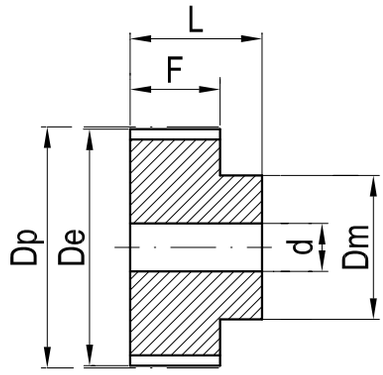


Fig. 2

T 5 (Pitch 5 mm) FOR 10 mm BELT WIDTH
T 5 (Pas 5 mm) POUR COURROIE LARGEUR 10 mm
T 5 (Passo 5 mm) PER CINGHIA LARGHEZZA 10 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	21 T5 10	1F	10	15.92	15.05	19.5	8	15	21	-
	21 T5 12	1F	12	19.10	18.25	23.0	11	15	21	-
	21 T5 14	1F	14	22.29	21.45	25.0	13	15	21	-
	21 T5 15	1F	15	23.88	23.05	28.0	16	15	21	6
	21 T5 16	1F	16	25.47	24.60	32.0	18	15	21	6
	21 T5 18	1F	18	28.65	27.80	32.0	20	15	21	6
	21 T5 19	1F	19	30.25	29.40	36.0	22	15	21	6
	21 T5 20	1F	20	31.83	31.00	36.0	23	15	21	6
	21 T5 22	1F	22	35.02	34.15	38.0	24	15	21	6
	21 T5 24	1F	24	38.21	37.40	42.0	26	15	21	6
	21 T5 25	1F	25	39.80	38.95	44.0	26	15	21	6
	21 T5 26	1F	26	41.39	40.60	44.0	26	15	21	6
	21 T5 27	1F	27	42.98	42.20	48.0	30	15	21	8
	21 T5 28	1F	28	44.58	43.75	48.0	32	15	21	8
	21 T5 30	1F	30	47.76	46.95	51.0	34	15	21	8
	21 T5 32	1F	32	50.94	50.10	54.0	38	15	21	8
	21 T5 36	1F	36	57.31	56.45	64.0	38	15	21	8
	21 T5 40	1F	40	63.66	62.85	66.5	40	15	21	8
	21 T5 42	1F	42	66.86	66.00	70.0	40	15	21	8
	21 T5 44	2	44	70.05	69.20	-	45	15	21	8
	21 T5 48	2	48	76.42	75.55	-	50	15	21	8
	21 T5 60	2	60	95.52	94.65	-	65	15	21	8

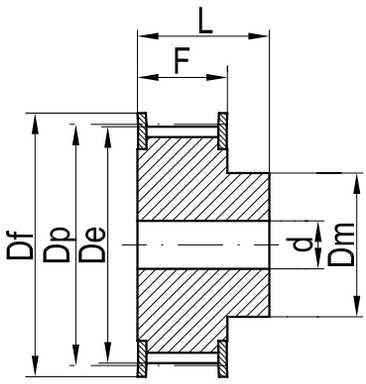


Fig. 1F

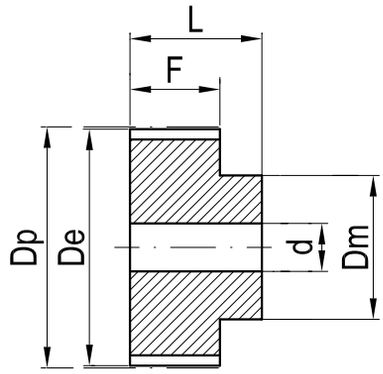


Fig. 2

T 5 (Pitch 5 mm) FOR 16 mm BELT WIDTH
T 5 (Pas 5 mm) POUR COURROIE LARGEUR 16 mm
T 5 (Passo 5 mm) PER CINGHIA LARGHEZZA 16 mm

	Codi.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	27 T5 10	1F	10	15.92	15.05	19.5	8	21	27	-
	27 T5 12	1F	12	19.10	18.25	23.0	11	21	27	-
	27 T5 14	1F	14	22.29	21.45	25.0	13	21	27	-
	27 T5 15	1F	15	23.88	23.05	28.0	16	21	27	6
	27 T5 16	1F	16	25.47	24.60	32'0	18	21	27	6
	27 T5 18	1F	18	28.65	27.80	32.0	20	21	27	6
	27 T5 19	1F	19	30.25	29.40	36.0	22	21	27	6
	27 T5 20	1F	20	31.83	31.00	36.0	23	21	27	6
	27 T5 22	1F	22	35.02	34.15	38.0	24	21	27	6
	27 T5 24	1F	24	38.21	37.40	42.0	26	21	27	6
	27 T5 25	1F	25	39.80	38.95	44.0	26	21	27	6
	27 T5 26	1F	26	41.39	40.60	44.0	26	21	27	6
	27 T5 27	1F	27	42.98	42.20	48.0	30	21	27	8
	27 T5 28	1F	28	44.58	43.75	48.0	32	21	27	8
	27 T5 30	1F	30	47.76	46.95	51.0	34	21	27	8
	27 T5 32	1F	32	50.94	50.10	54.0	38	21	27	8
	27 T5 36	1F	36	57.31	56.45	64.0	38	21	27	8
	27 T5 40	1F	40	63.66	62.85	66.5	40	21	27	8
	27 T5 42	1F	42	66.86	66.00	70.0	40	21	27	8
	27 T5 44	2	44	70.05	69.20	-	45	21	27	8
	27 T5 48	2	48	76.42	75.55	-	50	21	27	8
	27 T5 60	2	60	95.52	94.65	-	65	21	27	8

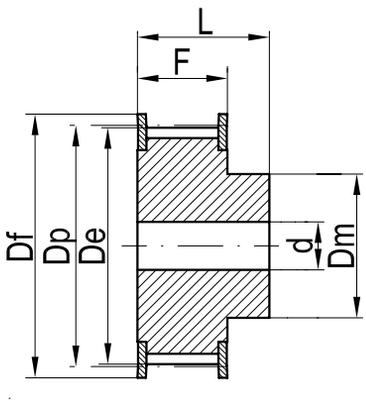


Fig. 1F

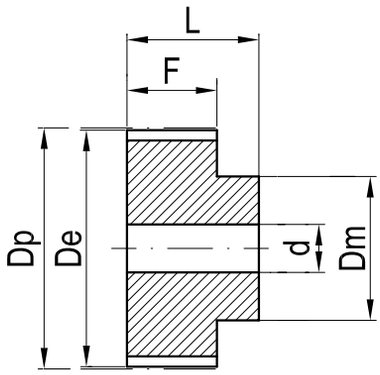


Fig. 2

T 5 (Pitch 5 mm) FOR 25 mm BELT WIDTH
T 5 (Pas 5 mm) POUR COURROIE LARGEUR 25 mm
T 5 (Passo 5 mm) PER CINGHIA LARGHEZZA 25 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	36 T5 10	1F	10	15.92	15.05	19.5	8	30	36	-
	36 T5 12	1F	12	19.10	18.25	23.0	11	30	36	-
	36 T5 14	1F	14	22.29	21.45	25.0	13	30	36	-
	36 T5 15	1F	15	23.88	23.05	28.0	16	30	36	6
	36 T5 16	1F	16	25.47	24.60	32.0	18	30	36	6
	36 T5 18	1F	18	28.65	27.80	32.0	20	30	36	6
	36 T5 19	1F	19	30.25	29.40	36.0	22	30	36	6
	36 T5 20	1F	20	31.83	31.00	36.0	23	30	36	6
	36 T5 22	1F	22	35.02	34.15	38.0	24	30	36	6
	36 T5 24	1F	24	38.21	37.40	42.0	26	30	36	8
	36 T5 25	1F	25	39.80	38.95	44.0	26	30	36	8
	36 T5 26	1F	26	41.39	40.60	44.0	26	30	36	8
	36 T5 27	1F	27	42.98	42.20	48.0	30	30	36	8
	36 T5 28	1F	28	44.58	43.75	48.0	32	30	36	8
	36 T5 30	1F	30	47.76	46.95	51.0	34	30	36	8
	36 T5 32	1F	32	50.94	50.10	54.0	38	30	36	8
	36 T5 36	1F	36	57.31	56.45	64.0	38	30	36	8
	36 T5 40	1F	40	63.66	62.85	66.5	40	30	36	8
	36 T5 42	1F	42	66.86	66.00	70.0	40	30	36	8
	36 T5 44	2	44	70.05	69.20	-	45	30	36	8
	36 T5 48	2	48	76.42	75.55	-	50	30	36	8
	36 T5 60	2	60	95.52	94.65	-	65	30	36	8

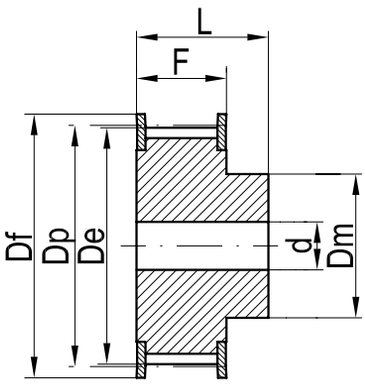


Fig. 1F

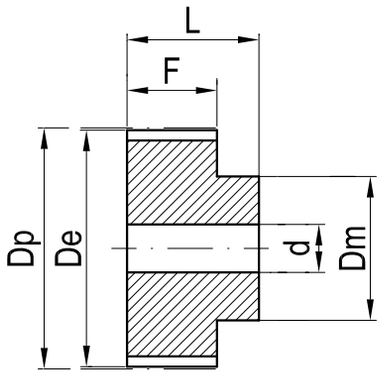


Fig. 2

T 10 (Pitch 10 mm) FOR 16 mm BELT WIDTH
T 10 (Pas 10 mm) POUR COURROIE LARGEUR 16 mm
T 10 (Passo 10 mm) PER CINGHIA LARGHEZZA 16 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	31 T10 12	1F	12	38.20	36.35	42	28	21	31	6
	31 T10 14	1F	14	44.56	42.70	48	32	21	31	8
	31 T10 15	1F	15	47.75	45.90	51	32	21	31	8
	31 T10 16	1F	16	50.93	49.10	54	35	21	31	8
	31 T10 18	1F	18	57.29	55.45	60	40	21	31	8
	31 T10 19	1F	19	60.48	58.65	66	44	21	31	8
	31 T10 20	1F	20	63.66	61.80	66	46	21	31	8
	31 T10 22	1F	22	70.03	68.20	75	52	21	31	8
	31 T10 24	1F	24	76.39	74.55	83	58	21	31	8
	31 T10 25	1F	25	79.58	77.75	83	60	21	31	8
	31 T10 26	1F	26	82.76	80.90	87	60	21	31	8
	31 T10 27	1F	27	85.95	84.10	91	60	21	31	8
	31 T10 28	1F	28	89.12	87.25	93	60	21	31	8
	31 T10 30	1F	30	95.49	93.65	102	60	21	31	8
	31 T10 32	1F	32	101.86	100.00	106	65	21	31	10
	31 T10 36	1F	36	114.59	112.75	119	70	21	31	10
	31 T10 40	1F	40	127.32	125.45	131	80	21	31	10
	31 T10 44	2	44	140.05	138.20	-	88	21	31	10
	31 T10 48	2	48	152.78	150.95	-	95	21	31	16
	31 T10 60	2	60	190.98	189.10	-	110	21	31	16

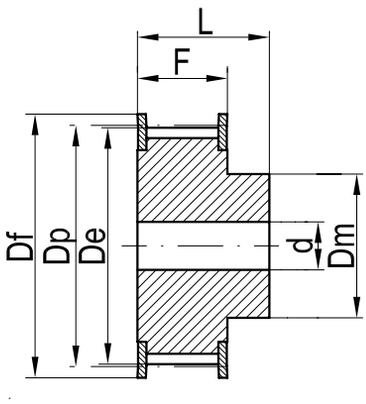


Fig. 1F

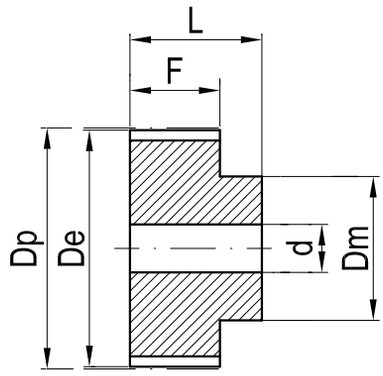


Fig. 2

T 10 (Pitch 10 mm) FOR 25 mm BELT WIDTH
T 10 (Pas 10 mm) POUR COURROIE LARGEUR 25 mm
T 10 (Passo 10 mm) PER CINGHIA LARGHEZZA 25 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	40 T10 12	1F	12	38.20	36.35	42	28	30	40	6
	40 T10 14	1F	14	44.56	42.70	48	32	30	40	8
	40 T10 15	1F	15	47.75	45.90	51	32	30	40	8
	40 T10 16	1F	16	50.93	49.10	54	35	30	40	8
	40 T10 18	1F	18	57.29	55.45	60	40	30	40	8
	40 T10 19	1F	19	60.48	58.65	66	44	30	40	8
	40 T10 20	1F	20	63.66	61.80	66	46	30	40	8
	40 T10 22	1F	22	70.03	68.20	75	52	30	40	8
	40 T10 24	1F	24	76.39	74.55	83	58	30	40	8
	40 T10 25	1F	25	79.58	77.75	83	60	30	40	8
	40 T10 26	1F	26	82.76	80.90	87	60	30	40	8
	40 T10 27	1F	27	85.95	84.10	91	60	30	40	8
	40 T10 28	1F	28	89.12	87.25	93	60	30	40	8
	40 T10 30	1F	30	95.49	93.65	102	60	30	40	8
	40 T10 32	1F	32	101.86	100.00	106	65	30	40	10
	40 T10 36	1F	36	114.59	112.75	119	70	30	40	10
	40 T10 40	1F	40	127.32	125.45	131	80	30	40	10
	40 T10 44	2	44	140.05	138.20	-	88	30	40	10
	40 T10 48	2	48	152.78	150.95	-	95	30	40	16
	40 T10 60	2	60	190.98	189.15	-	110	30	40	16

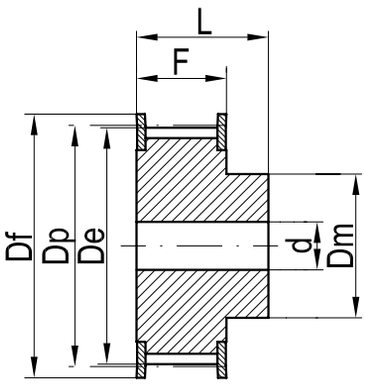


Fig. 1F

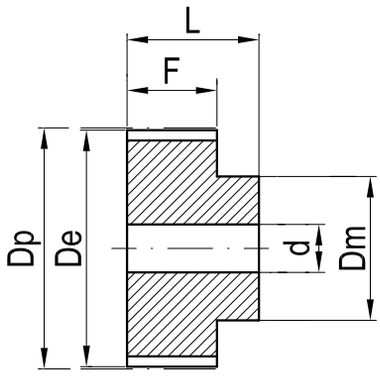


Fig. 2

T 10 (Pitch 10 mm) FOR 32 mm BELT WIDTH
T 10 (Pas 10 mm) POUR COURROIE LARGEUR 32 mm
T 10 (Passo 10 mm) PER CINGHIA LARGHEZZA 32 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	47 T10 18	1F	18	57.29	55.45	60	40	37	47	10
	47 T10 19	1F	19	60.48	58.60	66	44	37	47	10
	47 T10 20	1F	20	63.66	61.80	66	46	37	47	12
	47 T10 22	1F	22	70.03	68.20	75	52	37	47	12
	47 T10 24	1F	24	76.39	74.55	83	58	37	47	12
	47 T10 25	1F	25	79.58	77.75	83	60	37	47	12
	47 T10 26	1F	26	82.76	80.90	87	60	37	47	12
	47 T10 27	1F	27	85.95	84.10	91	60	37	47	12
	47 T10 28	1F	28	89.12	87.25	93	60	37	47	12
	47 T10 30	1F	30	95.49	93.65	102	60	37	47	12
	47 T10 32	1F	32	101.86	100.00	106	65	37	47	12
	47 T10 36	1F	36	114.59	112.75	119	70	37	47	16
	47 T10 40	1F	40	127.32	125.45	131	80	37	47	16
	47 T10 44	2	44	140.05	138.20	-	88	37	47	16
	47 T10 48	2	48	152.78	150.95	-	95	37	47	16
	47 T10 60	2	60	190.98	189 10	-	110	37	47	16

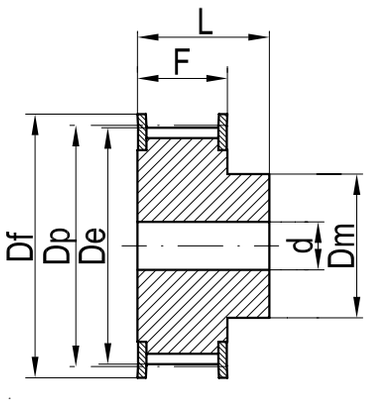


Fig. 1F

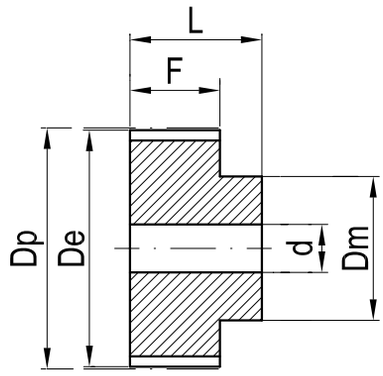


Fig. 2

T 10 (Pitch 10 mm) FOR 50 mm BELT WIDTH
T 10 (Pas 10 mm) POUR COURROIE LARGEUR 50 mm
T 10 (Passo 10 mm) PER CINGHIA LARGHEZZA 50 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	66 T10 18	1F	18	57.29	55.45	60	40	56	66	10
	66 T10 19	1F	19	60.48	58.65	66	44	56	66	10
	66 T10 20	1F	20	63.66	61.80	66	46	56	66	12
	66 T10 22	1F	22	70.03	68.20	75	52	56	66	12
	66 T10 24	1F	24	76.39	74.55	83	58	56	66	12
	66 T10 25	1F	25	79.58	77.70	83	60	56	66	12
	66 T10 26	1F	26	82.76	80.90	87	60	56	66	12
	66 T10 27	1F	27	85.95	84.10	91	60	56	66	12
	66 T10 28	1F	28	89.12	87.25	93	60	56	66	12
	66 T10 30	1F	30	95.49	93.65	102	60	56	66	12
	66 T10 32	1F	32	101.86	100.00	106	65	56	66	12
	66 T10 36	1F	36	114.59	112.75	119	70	56	66	16
	66 T10 40	1F	40	127.32	125.45	131	80	56	66	16
	66 T10 44	2	44	140.05	138.20	-	88	56	66	16
	66 T10 48	2	48	152.78	150.95	-	95	56	66	16
	66 T10 60	2	60	190.98	189.10	-	110	56	66	16

"AT" metric pitch toothed pulleys
Poulies dentées pas métrique "AT"
Pulegge dentate passo metrico "AT"

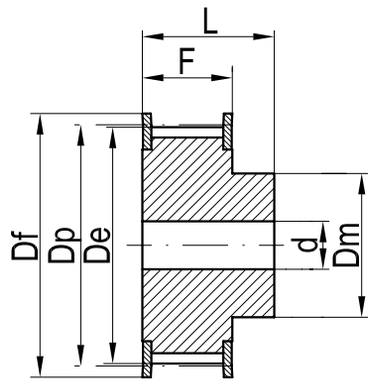


Fig. 1F

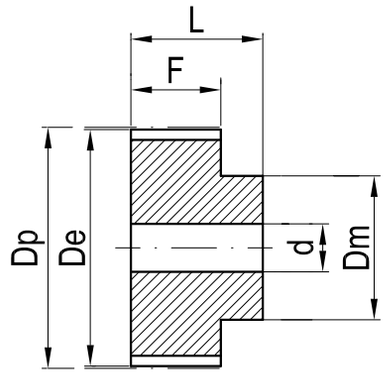


Fig. 2

How to identify a pulley. Example: 21 CT5 25
Pulley width (mm) 21
Pulley pitch (mm) CT5
No. of pulley teeth 25
MATERIAL: ALUMINIUM. Suitable for hard oxidation to thickness.
Exemple pour identifier une poulie: 21 CT5 25
Largeur poulie (mm) 21
Pas poulie (mm) CT5
N° dents poulie 25
MATERIAU : ALUMINIUM adapté pour l'oxydation dure à épaisseur.
Esempio di come identificare una puleggia: 21 CT5 25
Larghezza puleggia (mm) 21
Passo puleggia (mm) CT5
N. denti puleggia 25
MATERIALE: ALLUMINIO adatto per l'ossidazione dura a spessore.

CT5 (Pitch 5 mm) FOR 10 mm BELT WIDTH
CT5 (Pas 5 mm) POUR COURROIE LARGEUR 10 mm
CT5 (Passo 5 mm) PER CINGHIA LARGHEZZA 10 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
	21 CT5 12	1F	12	19.10	17.85	23.0	11	15	21	-
	21 CT5 14	1F	14	22.29	21.05	25.0	13	15	21	-
	21 CT5 15	1F	15	23.88	22.65	28.0	16	15	21	6
	21 CT5 16	1F	16	25.47	24.20	32.0	18	15	21	6
	21 CT5 18	1F	18	28.65	27.40	32.0	20	15	21	6
	21 CT5 19	1F	19	30.25	29.00	36.0	22	15	21	6
	21 CT5 20	1F	20	31.83	30.60	36.0	23	15	21	6
	21 CT5 22	1F	22	35.02	33.85	38.0	24	15	21	6
	21 CT5 24	1F	24	38.21	37.00	42.0	26	15	21	6
ALUMINIUM	21 CT5 25	1F	25	39.80	38.60	44.0	26	15	21	6
ALUMINIUM	21 CT5 26	1F	26	41.39	40.20	44.0	26	15	21	6
ALLUMINIO	21 CT5 27	1F	27	42.98	41.80	48.0	30	15	21	8
	21 CT5 28	1F	28	44.58	43.35	48.0	32	15	21	8
	21 CT5 30	1F	30	47.76	46.55	51.0	34	15	21	8
	21 CT5 32	1F	32	50.94	49.70	54.0	38	15	21	8
	21 CT5 36	1F	36	57.31	56.05	64.0	38	15	21	8
	21 CT5 40	1F	40	63.66	62.45	66.5	40	15	21	8
	21 CT5 42	1F	42	66.86	65.60	70.0	40	15	21	8
	21 CT5 44	2	44	70.05	68.80	-	45	15	21	8
	21 CT5 48	2	48	76.42	75.15	-	50	15	21	8
	21 CT5 60	2	60	95.52	94.25	-	65	15	21	8

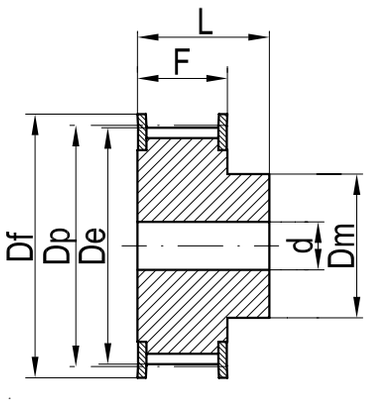


Fig. 1F

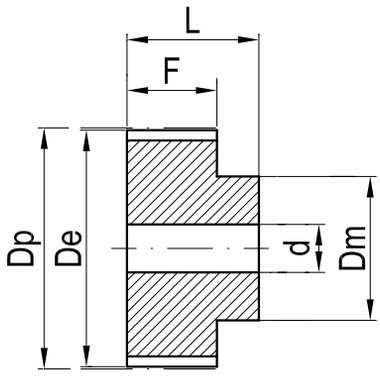


Fig. 2

CT5 (Pitch 5 mm) FOR 16 mm BELT WIDTH
CT5 (Pas 5 mm) POUR COURROIE LARGEUR 16 mm
CT5 (Passo 5 mm) PER CINGHIA LARGHEZZA 16 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	27 CT5 12	1F	12	19.10	17.85	23.0	11	21	27	-
	27 CT5 14	1F	14	22.29	21.05	25.0	13	21	27	-
	27 CT5 15	1F	15	23.88	22.65	28.0	16	21	27	6
	27 CT5 16	1F	16	25.47	24.20	32.0	18	21	27	6
	27 CT5 18	1F	18	28.65	27.40	32.0	20	21	27	6
	27 CT5 19	1F	19	30.25	29.00	36.0	22	21	27	6
	27 CT5 20	1F	20	31.83	30.60	36.0	23	21	27	6
	27 CT5 22	1F	22	35.02	33.85	38.0	24	21	27	6
	27 CT5 24	1F	24	38.21	37.00	42.0	26	21	27	6
	27 CT5 25	1F	25	39.80	38.60	44.0	26	21	27	6
	27 CT5 26	1F	26	41.39	40.20	44.0	26	21	27	6
	27 CT5 27	1F	27	42.98	41.80	48.0	30	21	27	8
	27 CT5 28	1F	28	44.58	43.35	48.0	32	21	27	8
	27 CT5 30	1F	30	47.76	46.55	51.0	34	21	27	8
	27 CT5 32	1F	32	50.94	49.70	54.0	38	21	27	8
	27 CT5 36	1F	36	57.31	56.05	64.0	38	21	27	8
	27 CT5 40	1F	40	63.66	62.45	66.5	40	21	27	8
	27 CT5 42	1F	42	66.86	65.60	70	40	21	27	8
	27 CT5 44	2	44	70.05	68.80	-	45	21	27	8
	27 CT5 48	2	48	76.42	75.15	-	50	21	27	8
	27 CT5 60	2	60	95.52	94.25	-	65	21	27	8

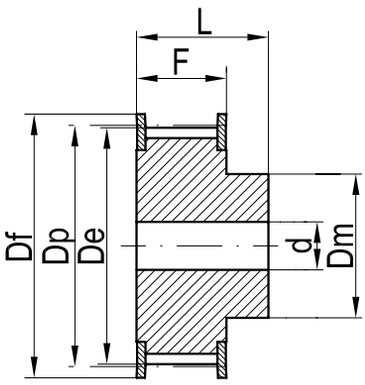


Fig. 1F

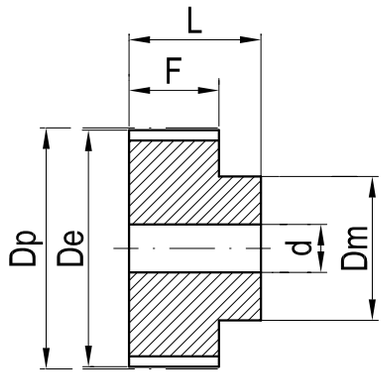


Fig. 2

CT5 (Pitch 5 mm) FOR 25 mm BELT WIDTH
CT5 (Pas 5 mm) POUR COURROIE LARGEUR 25 mm
CT5 (Passo 5 mm) PER CINGHIA LARGHEZZA 25 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	36 CT5 12	1F	12	19.10	17.85	23.0	11	30	36	-
	36 CT5 14	1F	14	22.29	21.05	25.0	13	30	36	-
	36 CT5 15	1F	15	23.88	22.65	28.0	16	30	36	6
	36 CT5 16	1F	16	25.47	24.20	32.0	18	30	36	6
	36 CT5 18	1F	18	28.65	27.40	32.0	20	30	36	6
	36 CT5 19	1F	19	30.25	29.00	36.0	22	30	36	6
	36 CT5 20	1F	20	31.83	30.60	36.0	23	30	36	6
	36 CT5 22	1F	22	35.02	33.85	38.0	24	30	36	6
	36 CT5 24	1F	24	38.21	37.00	42.0	26	30	36	6
	36 CT5 25	1F	25	39.80	38.60	44.0	26	30	36	6
	36 CT5 26	1F	26	41.39	40.20	44.0	26	30	36	6
	36 CT5 27	1F	27	42.98	41.80	48.0	30	30	36	8
	36 CT5 28	1F	28	44.58	43.35	48.0	32	30	36	8
	36 CT5 30	1F	30	47.76	46.55	51.0	34	30	36	8
	36 CT5 32	1F	32	50.94	49.70	54.0	38	30	36	8
	36 CT5 36	1F	36	57.31	56.05	64.0	38	30	36	8
	36 CT5 40	1F	40	63.66	62.45	66.5	40	30	36	8
	36 CT5 42	1F	42	66.86	65.60	70.0	40	30	36	8
	36 CT5 44	2	44	70.05	68.80	-	45	30	36	8
	36 CT5 48	2	48	76.42	75.15	-	50	30	36	8
	36 CT5 60	2	60	95.52	94.25	-	65	30	36	8

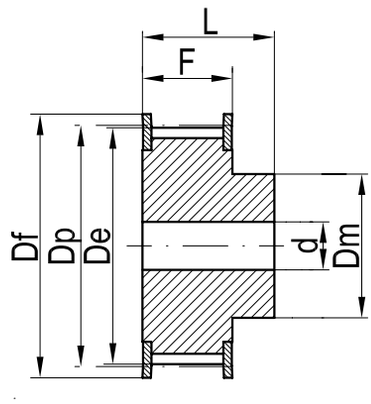


Fig. 1F

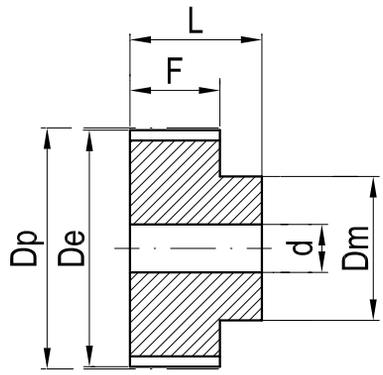


Fig. 2

CT10 (Pitch 10 mm) FOR 16 mm BELT WIDTH
CT10 (Pas 10 mm) POUR COURROIE LARGEUR 16 mm
CT10 (Passo 10 mm) PER CINGHIA LARGHEZZA 16 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	31 CT10 15	1F	15	47.75	45.90	51	32	21	31	8
	31 CT10 16	1F	16	50.93	49.05	54	35	21	31	8
	31 CT10 18	1F	18	57.29	55.45	60	40	21	31	8
	31 CT10 19	1F	19	60.48	58.60	66.5	44	21	31	8
	31 CT10 20	1F	20	63.66	61.80	66.5	46	21	31	8
	31 CT10 22	1F	22	70.03	68.15	75	52	21	31	8
	31 CT10 24	1F	24	76.39	74.55	83	58	21	31	8
	31 CT10 25	1F	25	79.58	77.70	83	60	21	31	8
	31 CT10 26	1F	26	82.76	80.90	87	60	21	31	8
	31 CT10 27	1F	27	85.95	84.10	91	60	21	31	8
	31 CT10 28	1F	28	89.12	87.25	93	60	21	31	8
	31 CT10 30	1F	30	95.49	93.65	102	60	21	31	8
	31 CT10 32	1F	32	101.86	100.00	106	65	21	31	10
	31 CT10 36	1F	36	114.59	112.75	119	70	21	31	10
	31 CT10 40	1F	40	127.32	125.45	131	80	21	31	10
	31 CT10 44	2	44	140.05	138.20	-	88	21	31	10
	31 CT10 48	2	48	152.78	150.95	-	95	21	31	16
	31 CT10 60	2	60	190.98	189.10	-	110	21	31	16

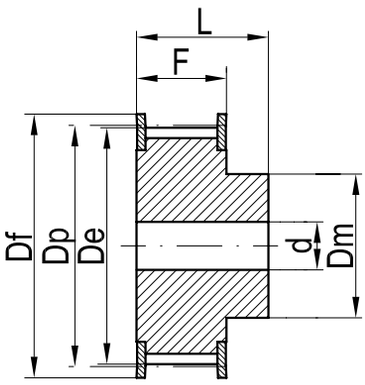


Fig. 1F

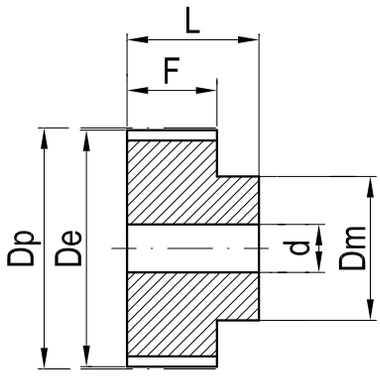


Fig. 2

CT10 (Pitch 10 mm) FOR 25 mm BELT WIDTH
CT10 (Pas 10 mm) POUR COURROIE LARGEUR 25 mm
CT10 (Passo 10 mm) PER CINGHIA LARGHEZZA 25 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	40 CT10 15	1F	15	47.75	45.90	51	32	30	40	8
	40 CT10 16	1F	16	50.93	49.05	54	35	30	40	8
	40 CT10 18	1F	18	57.29	55.45	60	40	30	40	8
	40 CT10 19	1F	19	60.48	58.60	66.5	44	30	40	8
	40 CT10 20	1F	20	63.66	61.80	66.5	46	30	40	8
	40 CT10 22	1F	22	70.03	68.15	75	52	30	40	8
	40 CT10 24	1F	24	76.39	74.55	83	58	30	40	8
	40 CT10 25	1F	25	79.58	77.70	83	60	30	40	8
	40 CT10 26	1F	26	82.76	80.90	87	60	30	40	8
	40 CT10 27	1F	27	85.95	84.10	91	60	30	40	8
	40 CT10 28	1F	28	89.12	87.25	93	60	30	40	8
	40 CT10 30	1F	30	95.49	93.65	102	60	30	40	8
	40 CT10 32	1F	32	101.86	100.00	106	65	30	40	10
	40 CT10 36	1F	36	114.59	112.75	119	70	30	40	10
	40 CT10 40	1F	40	127.32	125.45	131	80	30	40	10
	40 CT10 44	2	44	140.05	138.20	-	88	30	40	10
	40 CT10 48	2	48	152.78	150.95	-	95	30	40	16
	40 CT10 60	2	60	190.98	189.10	-	110	30	40	16

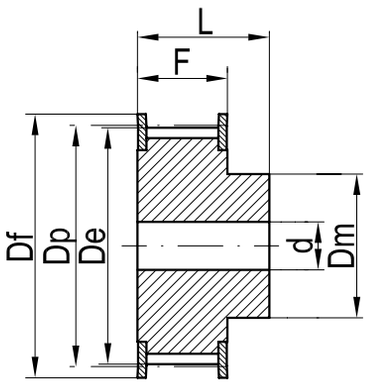


Fig. 1F

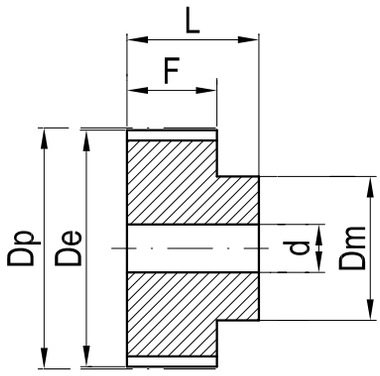


Fig. 2

CT10 (Pitch 10 mm) FOR 32 mm BELT WIDTH
CT10 (Pas 10 mm) POUR COURROIE LARGEUR 32 mm
CT10 (Passo 10 mm) PER CINGHIA LARGHEZZA 32 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	47 CT10 18	1F	18	57.29	55.45	60	40	37	47	10
	47 CT10 19	1F	19	60.48	58.60	66.5	44	37	47	10
	47 CT10 20	1F	20	63.66	61.80	66.5	46	37	47	12
	47 CT10 22	1F	22	70.03	68.15	75	52	37	47	12
	47 CT10 24	1F	24	76.39	74.55	83	58	37	47	12
	47 CT10 25	1F	25	79.58	77.70	83	60	37	47	12
	47 CT10 26	1F	26	82.76	80.90	87	60	37	47	12
	47 CT10 27	1F	27	85.95	84.10	91	60	37	47	12
	47 CT10 28	1F	28	89.12	87.25	93	60	37	47	12
	47 CT10 30	1F	30	95.49	93.65	102	60	37	47	12
	47 CT10 32	1F	32	101.86	100.00	106	65	37	47	12
	47 CT10 36	1F	36	114.59	112.75	119	70	37	47	16
	47 CT10 40	1F	40	127.32	125.45	131	80	37	47	16
	47 CT10 44	2	44	140.05	138.20	-	88	37	47	16
	47 CT10 48	2	48	152.78	150.95	-	95	37	47	16
	47 CT10 60	2	60	190.98	189.10	-	110	37	47	16

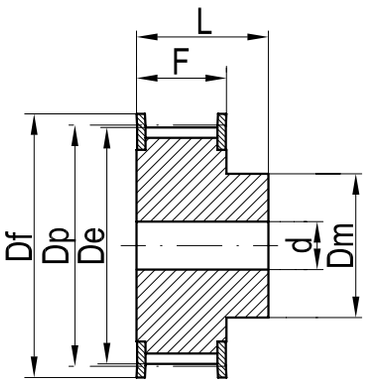


Fig. 1F

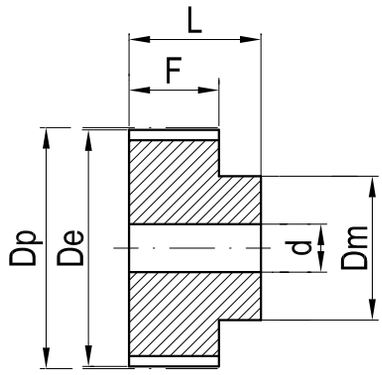


Fig. 2

CT10 (Pitch 10 mm) FOR 32 mm BELT WIDTH
CT10 (Pas 10 mm) POUR COURROIE LARGEUR 32 mm
CT10 (Passo 10 mm) PER CINGHIA LARGHEZZA 32 mm

	Cod.	1F/2	Z	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	66 CT10 18	1F	18	57.29	55.45	60	40	56	66	10
	66 CT10 19	1F	19	60.48	58.60	66.5	44	56	66	10
	66 CT10 20	1F	20	63.66	61.80	66.5	46	56	66	12
	66 CT10 22	1F	22	70.03	68.15	75	52	56	66	12
	66 CT10 24	1F	24	76.39	74.55	83	58	56	66	12
	66 CT10 25	1F	25	79.58	77.70	83	60	56	66	12
	66 CT10 26	1F	26	82.76	80.90	87	60	56	66	12
	66 CT10 27	1F	27	85.95	84.10	91	60	56	66	12
	66 CT10 28	1F	28	89.12	87.25	93	60	56	66	12
	66 CT10 30	1F	30	95.49	93.65	102	60	56	66	12
	66 CT10 32	1F	32	101.86	100.00	106	65	56	66	12
	66 CT10 36	1F	36	114.59	112.75	119	70	56	66	16
	66 CT10 40	1F	40	127.32	125.45	131	80	56	66	16
	66 CT10 44	2	44	140.05	138.20	-	88	56	66	16
	66 CT10 48	2	48	152.78	150.95	-	95	56	66	16
	66 CT10 60	2	60	190.98	189.10	-	110	56	66	16

Powergrip HTD toothed pulleys
Poulies dentées Powergrip HTD
Pulegge dentate Powergrip HTD

HTD toothed pulleys are manufactured with 3 mm, 5 mm, 8 mm and 14 mm pitches.
How to identify a pulley:

	34 No. of teeth (Z)
34 8M 50	**8M pitch in mm**
	50 belt width

Les poulies dentées HTD sont construites dans les pas 3 mm, 5 mm, 8 mm et 14 mm.
Identification d'une poulie:

	34 N. dents (Z)
34 8M 50	*8M pas en mm*
	50 largeur courroie

Le pulegge dentate HTD vengono costruite nei passi 3 mm, 5 mm, 8 mm e 14 mm.
Identificazione di una puleggia:

	34 N. denti (Z)
34 8M 50	8M passo in mm
	50 larghezza cinghia

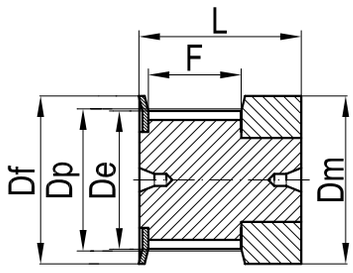


Fig. 0F

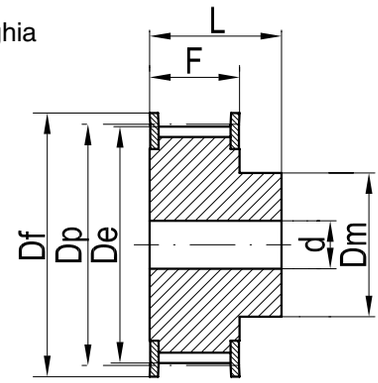


Fig. 1F

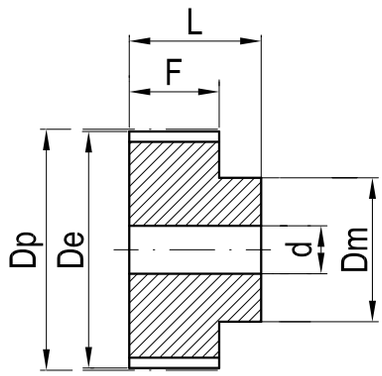


Fig. 8

HTD 3M 09

	Cod.	Z	0F/1F/8	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	10-3M-09	10	0F	9.55	8.79	13.0	13.0	10.2	17.5	-
	12-3M-09	12	0F	11.46	10.70	15.0	15.0	10.2	17.5	-
	14-3M-09	14	0F	13.37	12.61	16.0	16.0	10.2	17.5	-
	15-3M-09	15	0F	14.32	13.56	17.5	17.5	10.2	17.5	-
	16-3M-09	16	1F	15.28	14.52	17.5	10.0	12.8	20.6	4.0
	18-3M-09	18	1F	17.19	16.43	20.0	11.0	12.8	20.6	6.0
	20-3M-09	20	1F	19.10	18.34	23.0	13.0	12.8	20.6	6.0
	21-3M-09	21	1F	20.05	19.29	25.0	14.0	12.8	20.6	6.0
	22-3M-09	22	1F	21.01	20.25	25.0	14.0	12.8	20.6	6.0
	24-3M-09	24	1F	22.92	22.16	25.0	14.0	12.8	20.6	6.0
	26-3M-09	26	1F	24.83	24.07	28.0	16.0	12.8	20.6	6.0
	28-3M-09	28	1F	26.74	25.98	32.0	18.0	12.8	20.6	6.0
	30-3M-09	30	1F	28.65	27.89	32.0	20.0	12.8	20.6	6.0
	32-3M-09	32	1F	30.56	29.80	36.0	22.0	12.8	20.6	6.0
	36-3M-09	36	1F	34.38	33.62	39.0	26.0	13.4	22.2	6.0
	40-3M-09	40	1F	38.20	37.44	42.0	28.0	13.4	22.2	6.0
	44-3M-09	44	1F	42.02	41.26	48.0	33.0	13.4	22.2	6.0
	48-3M-09	48	8	45.84	45.08	-	33.0	13.4	22.2	8.0
	60-3M-09	60	8	57.30	56.54	-	33.0	13.4	22.2	8.0
	72-3M-09	72	8	68.75	67.99	-	33.0	13.4	22.2	8.0

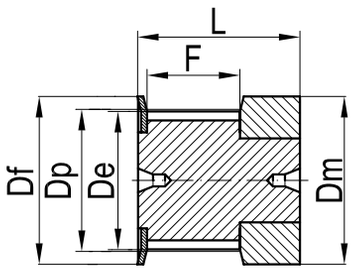


Fig. 0F

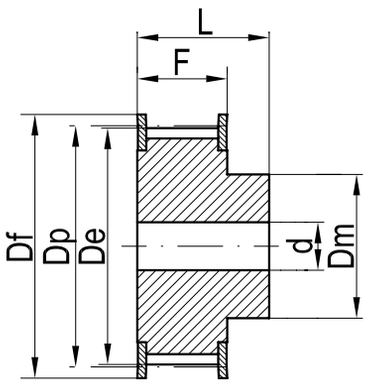


Fig. 1F

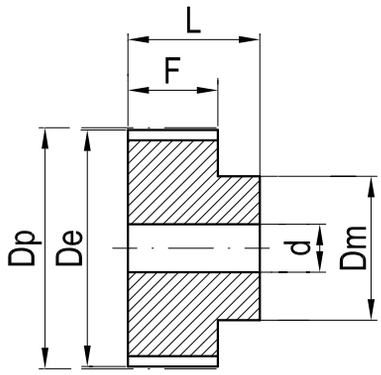


Fig. 8

HTD 3M 15

	Cod.	Z	0F/1F/8	Dp	De	Df	Dm	F	L	d
ALUMINIUM *ALUMINIUM* ALLUMINIO	10-3M-15	10	0F	9.55	8.79	13.0	13.0	17.0	26.0	-
	12-3M-15	12	0F	11.46	10.70	15.0	15.0	17.0	26.0	-
	14-3M-15	14	0F	13.37	12.61	16.0	16.0	17.0	26.0	-
	15-3M-15	15	0F	14.32	13.56	17.5	17.5	17.0	26.0	-
	16-3M-15	16	1F	15.28	14.52	17.5	10.0	19.5	26.0	4.0
	18-3M-15	18	1F	17.19	16.43	20.0	11.0	19.5	26.0	6.0
	20-3M-15	20	1F	19.10	18.34	23.0	13.0	19.5	26.0	6.0
	21-3M-15	21	1F	20.05	19.29	25.0	14.0	19.5	26.0	6.0
	22-3M-15	22	1F	21.01	20.25	25.0	14.0	19.5	26.0	6.0
	24-3M-15	24	1F	22.92	22.16	25.0	14.0	19.5	26.0	6.0
	26-3M-15	26	1F	24.83	24.07	28.0	16.0	19 5	26.0	6.0
	28-3M-15	28	1F	26.74	25.98	32.0	18.0	19.5	26.0	6.0
	30-3M-15	30	1F	28.65	27.89	32.0	20.0	19.5	26.0	6.0
	32-3M-15	32	1F	30.56	29.80	36.0	22.0	19.5	26.0	6.0
	36-3M-15	36	1F	34.38	33.62	39.0	26.0	20.0	30.0	6.0
	40-3M-15	40	1F	38.20	37.44	42.0	28.0	20.0	30.0	6.0
	44-3M-15	44	1F	42.02	41.26	48.0	33.0	20.0	30.0	6.0
	48-3M-15	48	8	45.84	45.08	-	33.0	20.0	30.0	8.0
	60-3M-15	60	8	57.30	56.54	-	33.0	20.0	30.0	8.0
	72-3M-15	72	8	68.75	67.99	-	33.0	20.0	30.0	8.0

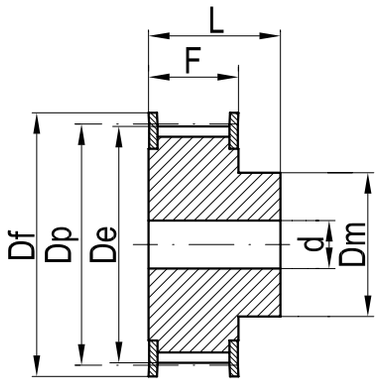


Fig. 1F

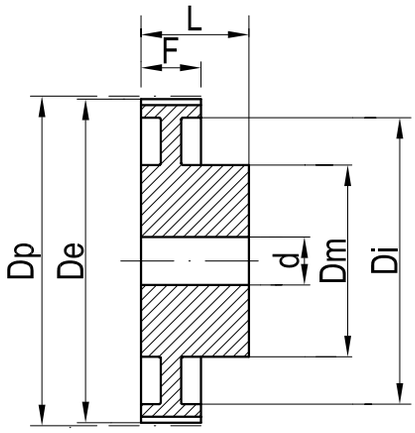


Fig. 3

HTD 5M 09

	Cod.	Z	1F/3	Dp	De	Df	Dm	Di	F	L	d
STEEL *ACIER* ACCIAIO	12-5M-09	12	1F	19.10	17.96	23.0	13.0	-	14.5	20.0	4.0
	14-5M-09	14	1F	22.28	21.14	25.0	13.0	-	14.5	20.0	6.0
	15-5M-09	15	1F	23.87	22.73	28.0	16.0	-	14.5	20.0	6.0
	16-5M-09	16	1F	25.46	24.32	28.0	16.5	-	14.5	20.0	6.0
	18-5M-09	18	1F	28.65	27.51	32.0	20.0	-	14.5	20.0	6.0
	20-5M-09	20	1F	31.83	30.69	36.0	23.0	-	14.5	22.5	6.0
	21-5M-09	21	1F	33.42	32.28	38.0	24.0	-	14.5	22.5	6.0
	22-5M-09	22	1F	35.01	33.87	39.0	25.5	-	14.5	22.5	6.0
	24-5M-09	24	1F	38.20	37.06	42.0	27.0	-	14.5	22.5	6.0
	26-5M-09	26	1F	41.38	40.24	44.0	30.0	-	14.5	22.5	6.0
	28-5M-09	28	1F	44.56	43.42	48.0	30.5	-	14.5	22.5	6.0
	30-5M-09	30	1F	47.75	46.60	51.0	35.0	-	14.5	22.5	6.0
	32-5M-09	32	1F	50.93	49.79	54.0	38.0	-	14.5	22.5	8.0
	36-5M-09	36	1F	57.30	56.16	60.0	38.0	-	14.5	22.5	8.0
	40-5M-09	40	1F	63.66	62.52	71.0	38.0	-	14.5	22.5	8.0
ALUMINIUM *ALUMINIUM* ALLUMINIO	44-5M-09	44	3	70.03	68.89	-	38.0	54	14.5	25.5	8.0
	48-5M-09	48	3	76.39	75.25	-	45.0	61	14.5	25.5	8.0
	60-5M-09	60	3	95.49	94.35	-	45.0	80	14.5	25.5	8.0
	72-5M-09	72	3	114.59	113.45	-	45.0	100	14.5	25.5	8.0

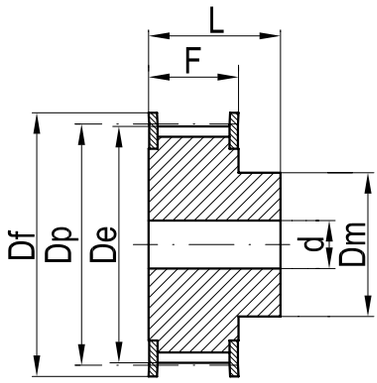


Fig. 1F

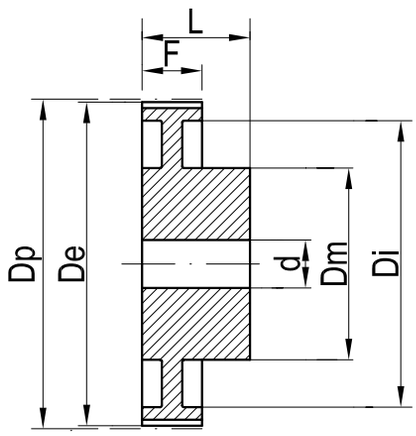


Fig. 3

HTD 5M 15

	Cod.	Z	1F/3	Dp	De	Df	Dm	Di	F	L	d
STEEL *ACIER* ACCIAIO	12-5M-15	12	1F	19.10	17.96	23.0	13.0	-	20.5	26.0	-
	14-5M-15	14	1F	22.28	21.14	25.0	13.0	-	20.5	26.0	6.0
	15-5M-15	15	1F	23.87	22.73	28.0	16.0	-	20.5	26.0	6.0
	16-5M-15	16	1F	25.46	24.32	28.0	16.5	-	20.5	26.0	6.0
	18-5M-15	18	1F	28.65	27.51	32.0	20.0	-	20.5	26.0	6.0
	20-5M-15	20	1F	31.83	30.69	36.0	23.0	-	20.5	26.0	6.0
	21-5M-15	21	1F	33.42	32.28	38.0	24.0	-	20.5	26.0	6.0
	22-5M-15	22	1F	35.01	33.87	39.0	25.5	-	20.5	26.0	6.0
	24-5M-15	24	1F	38.20	37.06	42.0	27.0	-	20.5	28.0	6.0
	26-5M-15	26	1F	41.38	40.24	44.0	30.0	-	20.5	28.0	6.0
	28-5M-15	28	1F	44.56	43.42	48.0	30.5	-	20.5	28.0	6.0
	30-5M-15	30	1F	47.75	46.60	51.0	35.0	-	20.5	28.0	6.0
	32-5M-15	32	1F	50.93	49.79	54.0	38.0	-	20.5	28.0	8.0
	36-5M-15	36	1F	57.30	56.16	60.0	38.0	-	20.5	28.0	8.0
	40-5M-15	40	1F	63.66	62.52	71.0	38.0	-	20.5	28.0	8.0
ALUMINIUM *ALUMINIUM* ALLUMINIO	44-5M-15	44	3	70.03	68.89	-	38.0	54	20.5	30.0	8.0
	48-5M-15	48	3	76.39	75.25	-	38.0	61	20.5	30.0	8.0
	60-5M-15	60	3	95.49	94.35	-	50.0	80	20.5	30.0	8.0
	72-5M-15	72	3	114.59	113.45	-	50.0	100	20.5	30.0	8.0

Transmission coupler
Organs de trasmission
Organi di trasmissione

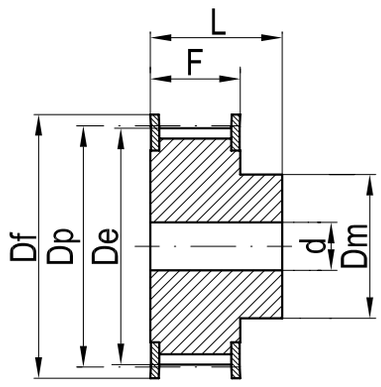


Fig. 1F

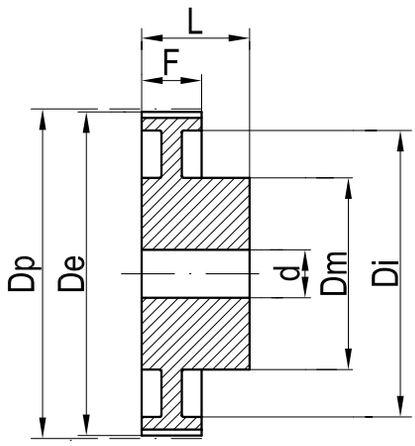


Fig. 3

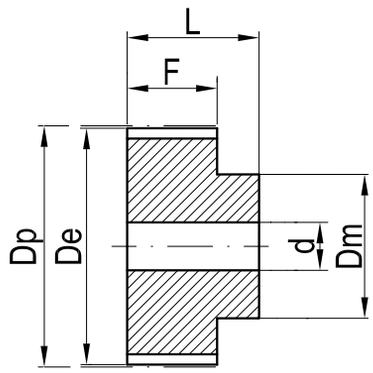


Fig. 8

HTD 5M 25

	Cod.	Z	1F/3/8	Dp	De	Df	Dm	Di	F	L	d
STEEL *ACIER* ACCIAIO	12-5M-25	12	1F	19.10	17.96	23.0	13.0	-	30.5	36	-
	14-5M-25	14	1F	22.28	21.14	25.0	13.0	-	30.5	36	6.0
	15-5M-25	15	1F	23.87	22.73	28.0	16.0	-	30.5	36	6.0
	16-5M-25	16	1F	25.46	24.32	28.0	16.5	-	30.5	36	6.0
	18-5M-25	18	1F	28.65	27.51	32.0	20.0	-	30.5	36	6.0
	20-5M-25	20	1F	31.83	30.69	36.0	23.0	-	30.5	36	6.0
	21-5M-25	21	1F	33.42	32.28	38.0	24.0	-	30.5	38	6.0
	22-5M-25	22	1F	35.01	33.87	39.0	25.5	-	30.5	38	6.0
	24-5M-25	24	1F	38.20	37.06	42.0	27.0	-	30.5	38	6.0
	26-5M-25	26	1F	41.38	40.24	44.0	30.0	-	30.5	38	6.0
	28-5M-25	28	1F	44.56	43.42	48.0	30.5	-	30.5	38	6.0
	30-5M-25	30	1F	47.75	46.60	51.0	35.0	-	30.5	38	6.0
	32-5M-25	32	1F	50.93	49.79	54.0	38.0	-	30.5	38	8.0
	36-5M-25	36	1F	57.30	56.16	60.0	38.0	-	30.5	38	8.0
	40-5M-25	40	1F	63.66	62.52	71.0	38.0	-	30.5	38	8.0
ALUMINIUM *ALUMINIUM* ALLUMINIO	44-5M-25	44	8	70.03	68.89	-	38.0	-	30.5	40	8.0
	48-5M-25	48	3	76.39	75.25	-	38.0	61	30.5	40	8.0
	60-5M-25	60	3	95.49	94.35	-	50.0	80	30.5	40	8.0
	72-5M-25	72	3	114.59	113.45	-	50.0	100	30.5	40	8.0

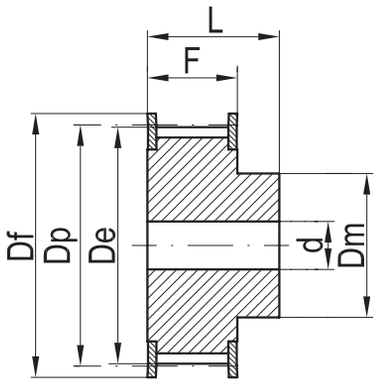


Fig. 1F

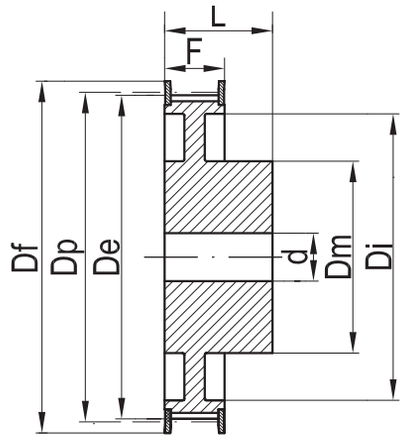


Fig. 2F

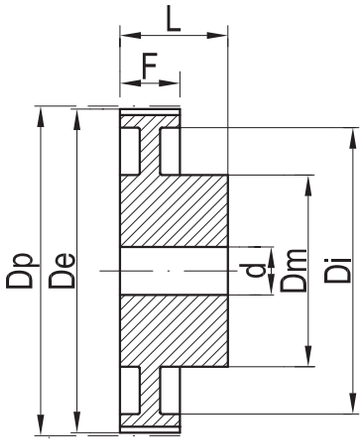


Fig. 3

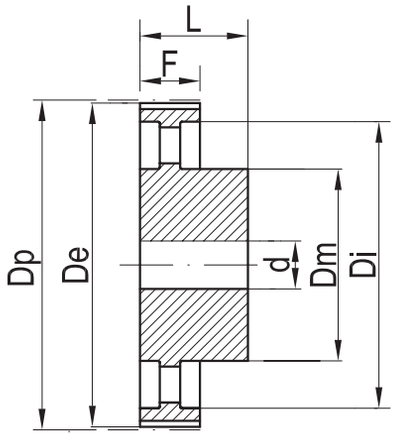


Fig. 4

HTD 8M 20

	Cod.	Z	1F/2F/3/4	Dp	De	Df	Dm	Di	F	L	d
	22-8M-20	22	1F	56.02	54.65	60	43	-	28	38	12
	24-8M-20	24	1F	61.12	59.75	66	45	-	28	38	12
	26-8M-20	26	1F	66.21	64.85	70	48	-	28	38	12
	28-8M-20	28	1F	71.30	70.08	75	50	-	28	38	15
	30-8M-20	30	1F	76.39	75.13	82.5	55	-	28	38	15
	32-8M-20	32	1F	81.49	80.16	87	60	-	28	38	15
STEEL	34-8M-20	34	1F	86.58	85.22	91	66	-	28	38	15
ACIER	36-8M-20	36	1F	91.67	90.30	97	70	-	28	38	15
ACCIAIO	38-8M-20	38	1F	96.77	95.39	102	75	-	28	38	15
	40-8M-20	40	1F	101.86	100.49	106	75	-	28	38	15
	44-8M-20	44	1F	112.05	110.67	120	75	-	28	38	15
	48-8M-20	48	1F	122.23	120.86	128	75	-	28	38	15
	56-8M-20	56	2F	142.60	141.23	150	80	116	28	38	15
	64-8M-20	64	2F	162.97	161.60	168	80	137	28	38	15
	72-8M-20	72	2F	183.35	181.97	192	80	158	28	38	15
	80-8M-20	80	3	203.72	202.35	-	90	180	28	38	15
	90-8M-20	90	3	229.18	227.81	-	90	204	28	38	15
CAST IRON	112-8M-20	112	4	285.21	283.83	-	90	254	28	38	18
FONTE	144-8M-20	144	4	366.69	365.32	-	90	336	28	38	20
GHISA	168-8M-20	168	4	427.81	426.44	-	100	400	28	38	20
	192-8M-20	192	4	488.92	487.55	-	100	460	28	38	20

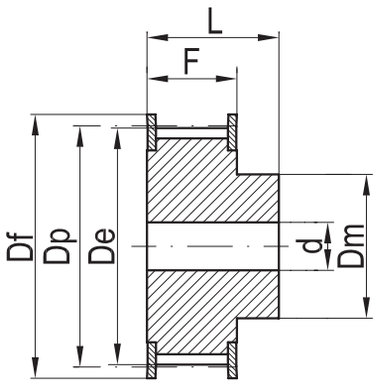


Fig. 1F

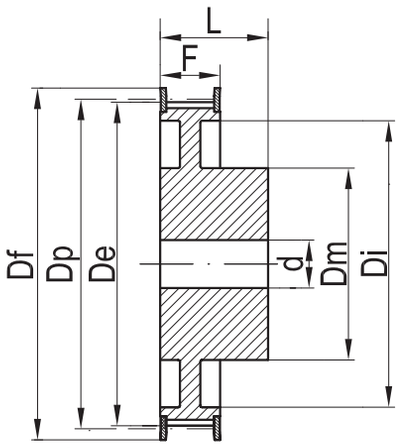


Fig. 2F

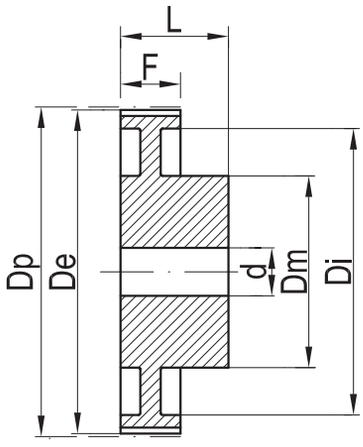


Fig. 3

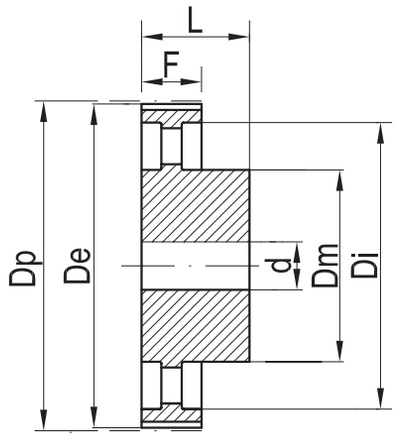


Fig. 4

HTD 8M 30

	Cod.	Z	1F/2F/3/4	Dp	De	Df	Dm	Di	F	L	d
	22-8M-30	22	1F	56.02	54.65	60	43	-	38	48	12
	24-8M-30	24	1F	61.12	59.75	66	45	-	38	48	12
	26-8M-30	26	1F	66.21	64.85	70	48	-	38	48	12
	28-8M-30	28	1F	71.30	70.08	75	50	-	38	48	15
	30-8M-30	30	1F	76.39	75.13	82.5	55	-	38	48	15
	32-8M-30	32	1F	81.49	80.16	87	60	-	38	48	15
STEEL	34-8M-30	34	1F	86.58	85.22	91	66	-	38	48	15
ACIER	36-8M-30	36	1F	91.67	90.30	97	70	-	38	48	15
ACCIAIO	38-8M-30	38	1F	96.77	95.39	102	75	-	38	48	15
	40-8M-30	40	1F	101.86	100.49	106	75	-	38	48	15
	44-8M-30	44	1F	112.05	110.67	120	75	-	38	48	15
	48-8M-30	48	1F	122.23	120.86	128	75	-	38	48	15
	56-8M-30	56	2F	142.60	141.23	150	90	116	38	48	15
	64-8M-30	64	2F	162.97	161.60	168	90	137	38	48	15
	72-8M-30	72	2F	183.35	181.97	192	95	158	38	48	15
	80-8M-30	80	3	203.72	202.35	-	100	180	38	48	15
	90-8M-30	90	3	229.18	227.81	-	100	204	38	48	15
CAST IRON	112-8M-30	112	4	285.21	283.83	-	100	254	38	48	18
FONTE	144-8M-30	144	4	366.69	365.32	-	100	336	38	48	20
GHISA	168-8M-30	168	4	427.81	426.44	-	100	400	38	48	20
	192-8M-30	192	4	488.92	487.55	-	100	460	38	48	20

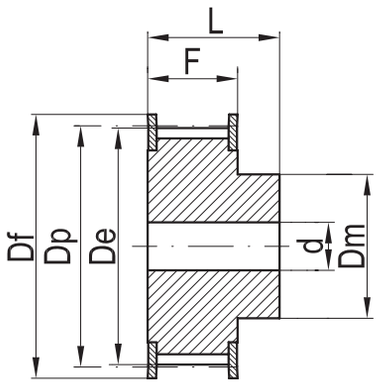


Fig. 1F

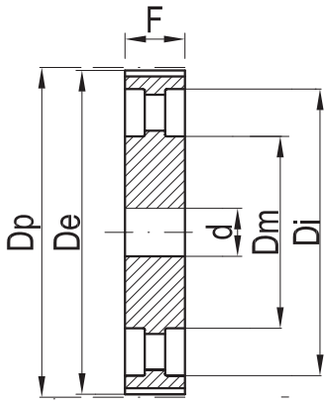


Fig. 2F

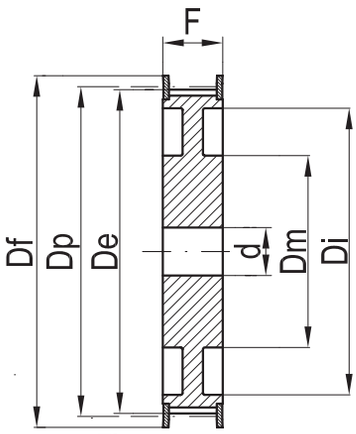


Fig. 3

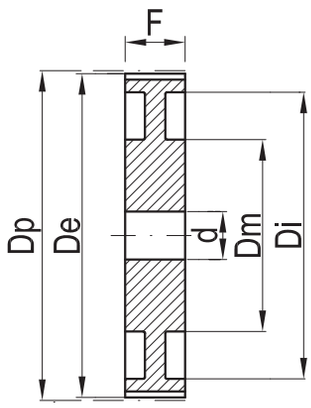


Fig. 4

HTD 8M 50

	Cod.	Z	1F/5/6F/7	Dp	De	Df	Dm	Di	F	L	d
	22-8M-50	22	1F	56.02	54.65	60	43	-	60	70	-
	24-8M-50	24	1F	61.12	59.75	66	45	-	60	70	-
	26-8M-50	26	1F	66.21	64.85	70	48	-	60	70	-
	28-8M-50	28	1F	71.30	70.08	75	50	-	60	70	-
	30-8M-50	30	1F	76.39	75.13	82.5	55	-	60	70	-
	32-8M-50	32	1F	81.49	80.16	87	60	-	60	70	-
STEEL	34-8M-50	34	1F	86.58	85.22	91	66	-	60	70	-
ACIER	36-8M-50	36	1F	91.67	90.30	97	70	-	60	70	-
ACCIAIO	38-8M-50	38	1F	96.77	95.39	102	75	-	60	70	-
	40-8M-50	40	1F	101.86	100.49	106	75	-	60	70	-
	44-8M-50	44	1F	112.05	110.67	120	75	-	60	70	-
	48-8M-50	48	1F	122.23	120.86	128	80	-	60	70	-
	56-8M-50	56	6F	142.60	141.23	150	90	116	60	60	18
	64-8M-50	64	6F	162.97	161.60	168	100	137	60	60	18
	72-8M-50	72	6F	183.35	181.97	132	100	158	60	60	18
	80-8M-50	80	7	203.72	202.35	-	110	180	60	60	18
	90-8M-50	90	7	229.18	227.81	-	110	204	60	60	18
CAST IRON	112-8M-50	112	5	285.21	283.83	-	110	254	60	60	18
FONTE	144-8M-50	144	5	366.69	365.32	-	110	336	60	60	20
GHISA	168-8M-50	168	5	427.81	426.44	-	120	400	60	60	20
	192-8M-50	192	5	488.92	487.55	-	130	460	60	60	20

Transmission coupler
Organs de trasmission
Organi di trasmissione

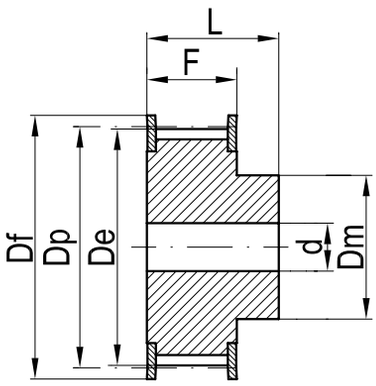


Fig. 1F

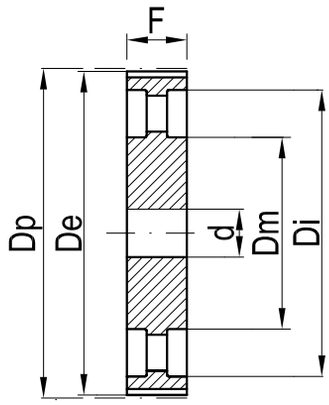


Fig. 5

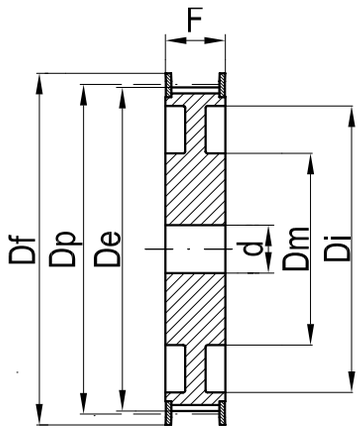


Fig. 6F

HTD 8M 85

	Cod.	Z	1F/5/6F	Dp	De	Df	Dm	Di	F	L	d
STEEL *ACIER* ACCIAIO	22-8M-85	22	1F	56.02	54.65	60	43	-	95	105	53
	24-8M-85	24	1F	61.12	59.75	66	45	-	95	105	69
	26-8M-85	26	1F	66.21	64.85	70	48	-	95	105	61
	28-8M-85	28	1F	71.30	70.08	75	50	-	95	105	79
	30-8M-85	30	1F	76.39	75.13	82.5	55	-	95	105	73
	32-8M-85	32	1F	81.49	80.16	87	60	-	95	105	76
	34-8M-85	34	1F	86.58	85.22	91	66	-	95	105	66
	36-8M-85	36	1F	91.67	90.30	97	70	-	95	105	68
	38-8M-85	38	1F	96.77	95.39	102	75	-	95	105	70
	40-8M-85	40	1F	101.86	100.49	106	75	-	95	105	77
	44-8M-85	44	1F	112.05	110.67	120	75	-	95	105	75
	48-8M-85	48	1F	122.23	120.86	128	80	-	95	105	78
	56-8M-85	56	1F	142.60	141.23	150	90	-	95	105	85
	64-8M-85	64	6F	162.97	161.60	168	100	137	95	95	90
	72-8M-85	72	6F	183.35	181.97	192	100	158	95	95	97
CAST IRON *FONTE* GHISA	80-8M-85	80	5	203.72	202.35	110	180	95	95	20	-
	90-8M-85	90	5	229.18	227.81	110	204	95	95	20	-
	112-8M-85	112	5	285.21	283.83	110	254	95	95	24	-
	144-8M-85	144	5	366.69	365.32	110	336	95	95	24	-
	*168-8M-85	168	5	427.81	426.44	120	400	95	95	24	-
	*192-8M-85	192	5	488.92	487.55	130	460	95	95	24	-

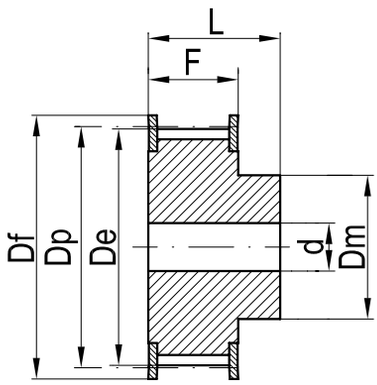


Fig. 1F

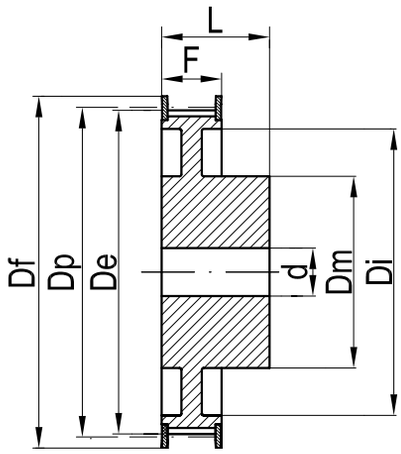


Fig. 2F

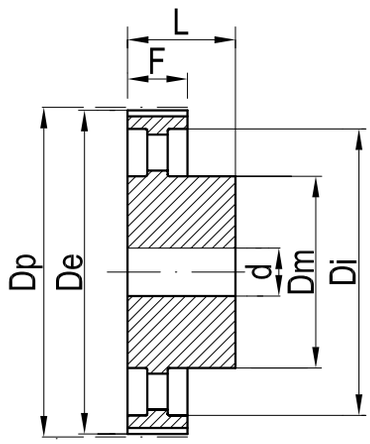


Fig. 4

HTD 14M 40

	Cod.	Z	1F/2F/4	Dp	De	Df	Dm	Di	F	L	d
	28-14M-40	28	1F	124.78	122.12	128	100	-	54	69	24
	*29-14M-40	29	1F	129.23	126.57	138	100	-	54	69	24
	30-14M-40	30	1F	133.69	130.99	138	100	-	54	69	24
	32-14M-40	32	1F	142.60	139.88	154	100	-	54	69	24
	34-14M-40	34	1F	151.52	148.79	160	100	-	54	69	24
	36-14M-40	36	1F	160.43	157.68	168	100	-	54	69	24
	38-14M-40	38	1F	169.34	166.60	183	120	-	54	69	24
STEEL	40-14M-40	40	1F	178.25	175.49	188	120	-	54	69	24
ACIER	44-14M-40	44	1F	196.08	193.28	211	120	-	54	69	24
ACCIAIO	48-14M-40	48	2F	213.90	211.11	226	135	170	54	69	24
	56-14M-40	56	2F	249.55	246.76	256	135	207	54	69	28
	64-14M-40	64	2F	285.21	282.41	296	135	240	54	69	28
	72-14M-40	72	4	320.86	318.06	-	135	278	54	69	28
	80-14M-40	80	4	356.51	353.71	-	135	314	54	69	28
	90-14M-40	90	4	401.07	398.28	-	135	358	54	69	28
	112-14M-40	112	4	499.11	496.32	-	135	456	54	69	28
CAST IRON	144-14M-40	144	4	641.71	638.92	-	135	600	54	69	28
FONTE	168-14M-40	168	4	748.66	745.87	-	135	706	54	69	28
GHISA	192-14M-40	192	4	855.62	852.82	-	135	813	54	69	28
	216-14M-40	216	4	962.57	959.76	-	150	920	54	69	28

Transmission coupler
Organs de trasmission
Organi di trasmissione

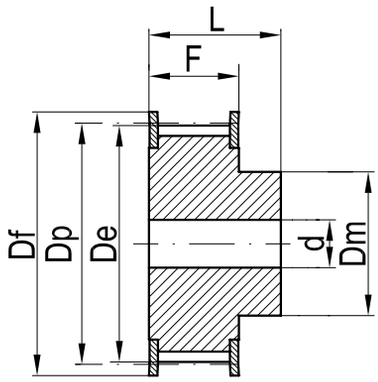


Fig. 1F

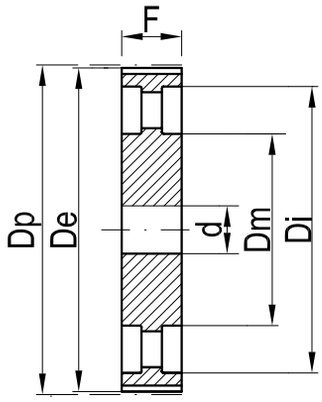


Fig. 5

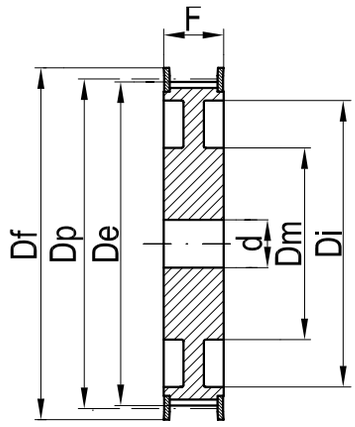


Fig. 6F

HTD 14M 55

	Cod.	Z	1F/5/6F	Dp	De	Df	Dm	Di	F	L	d
STEEL *ACIER* ACCIAIO	28-14M-55	28	1F	124.78	122.12	128	100	-	70	85	24
	29-14M-55	29	1F	129.23	126.57	138	100	-	70	85	24
	30-14M-55	30	1F	133.69	130.99	138	100	-	70	85	24
	32-14M-55	32	1F	142.60	139.88	154	100	-	70	85	24
	34-14M-55	34	1F	151.52	148.79	160	100	-	70	85	24
	36-14M-55	36	1F	160.43	157.68	168	100	-	70	85	24
	38-14M-55	38	1F	169.34	166.6	183	120	-	70	85	24
	40-14M-55	40	1F	178.25	175.49	188	120	-	70	85	24
	44-14M-55	44	1F	196.08	193.28	211	120	-	70	85	24
	48-14M-55	48	6F	213.90	211.11	226	135	170	70	70	24
	56-14M-55	56	6F	249.55	246.76	256	135	207	70	70	28
	64-14M-55	64	6F	285.21	282.41	296	135	240	70	70	28
	72-14M-55	72	5	320.86	318.06	-	135	278	70	70	28
	80-14M-55	80	5	356.51	353.71	-	135	314	70	70	28
	90-14M-55	90	5	401.07	398.28	-	135	358	70	70	28
CAST IRON *FONTE* GHISA	112-14M-55	112	5	499.11	496.32	-	135	456	70	70	28
	144-14M-55	144	5	641.71	638.92	-	135	600	70	70	28
	168-14M-55	168	5	748.66	745.87	-	135	706	70	70	28
	192-14M-55	192	5	855.62	852.82	-	135	813	70	70	28
	216-14M-55	216	5	962.57	959.76	-	150	920	70	70	28

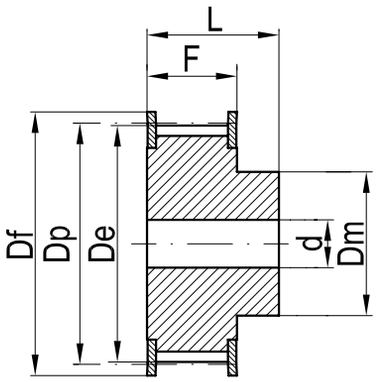


Fig. 1F

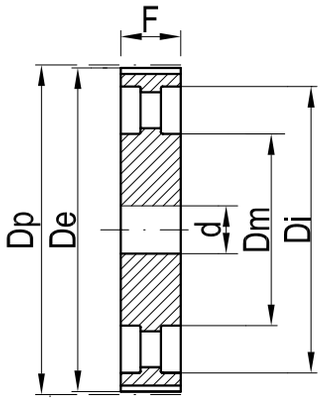


Fig. 5

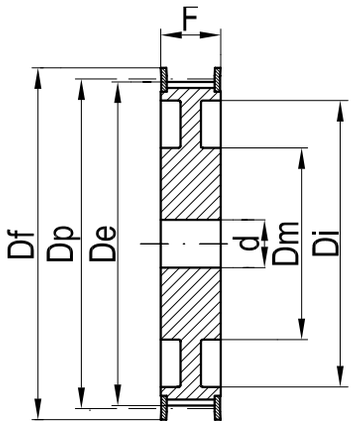


Fig. 6F

HTD 14M 85

	Cod.	Z	1F/5/6F	Dp	De	Df	Dm	Di	F	L	d
	28-14M-85	28	1F	124.78	122.12	128	100	-	102	117	-
	29-14M-85	29	1F	129.23	126.57	138	100	-	102	117	-
	30-14M-85	30	1F	133.69	130.99	138	100	-	102	117	-
	32-14M-85	32	1F	142.60	139.88	154	100	-	102	117	-
	34-14M-85	34	1F	151.52	148.79	160	100	-	102	117	-
	36-14M-85	36	1F	160.43	157.68	168	100	-	102	117	-
STEEL	38-14M-85	38	1F	169.34	166.60	183	120	-	102	117	-
ACIER	40-14M-85	40	1F	178.25	175.49	188	135	-	102	117	-
ACCIAIO	44-14M-85	44	1F	196.08	193.28	211	135	-	102	117	-
	48-14M-85	48	1F	213.90	211.11	226	150	-	102	117	-
	56-14M-85	56	6F	249.55	246.76	256	150	207	102	102	32
	64-14M-85	64	6F	285.21	282.41	296	150	240	102	102	32
	72-14M-85	72	5	320.86	318.06	-	150	278	102	102	32
	80-14M-85	80	5	356.51	353.71	-	150	314	102	102	32
	90-14M-85	90	5	401.07	398.28	-	150	358	102	102	32
	112-14M-85	112	5	499.11	496.32	-	150	456	102	102	32
CAST IRON	144-14M-85	144	5	641.71	638.92	-	150	600	102	102	32
FONTE	168-14M-85	168	5	748.66	745.87	-	150	706	102	102	32
GHISA	192-14M-85	192	5	855.62	852.82	-	165	813	102	102	32
	216-14M-85	216	5	962.57	959.76	-	165	920	102	102	32

Transmission coupler
Organs de trasmission
Organi di trasmissione

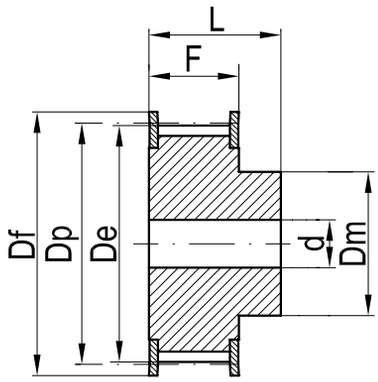


Fig. 1F

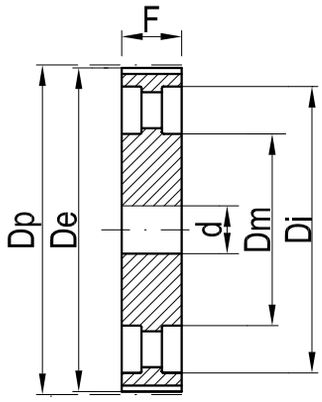


Fig. 5

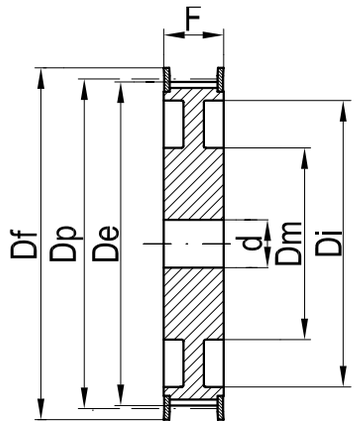


Fig. 6F

HTD 14M 115

	Cod.	Z	1F/5/6F	Dp	De	Df	Dm	Di	F	L	d
STEEL *ACIER* ACCIAIO	28-14M-115	28	1F	124.78	122.12	128	100	-	133	148	-
	29-14M-115	29	1F	129.23	126.57	138	100	-	133	148	-
	30-14M-115	30	1F	133.69	130.99	138	100	-	133	148	-
	32-14M-115	32	1F	142.60	139.88	154	100	-	133	148	-
	34-14M-115	34	1F	151.52	148.79	160	100	-	133	148	-
	36-14M-115	36	1F	160.43	157.68	168	120	-	133	148	-
	38-14M-115	38	1F	169.34	166.60	183	120	-	133	148	-
	40-14M-115	40	1F	178.25	175.49	188	135	-	133	148	-
	44-14M-115	44	1F	196.08	193.28	211	140	-	133	148	-
	48-14M-115	48	1F	213.90	211.11	226	150	-	133	148	-
	56-14M-115	56	1F	249.55	246.76	256	150	-	133	148	-
	64-14M-115	64	6F	285.21	2282.41	296	150	240	133	133	32
	72-14M-115	72	5	320.86	318.06	-	150	278	133	133	32
	80-14M-115	80	5	356.51	353.71	-	150	314	133	133	32
	90-14M-115	90	5	401.07	398.28	-	150	358	133	133	32
CAST IRON *FONTE* GHISA	112-14M-115	112	5	499.11	496.32	-	150	456	133	133	32
	144-14M-115	144	5	641.71	638.92	-	165	600	133	133	32
	168-14M-115	168	5	748.66	745.87	-	165	706	133	133	32
	192-14M-115	192	5	855.62	852.82	-	165	813	133	133	32
	216-14M-115	216	5	962.57	959.76	-	165	920	133	133	32

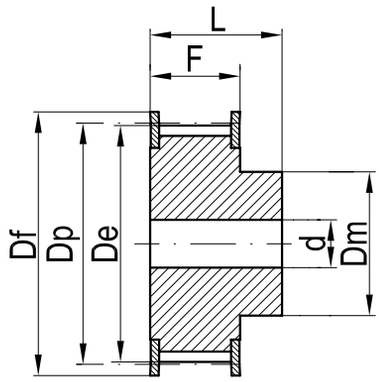


Fig. 1F

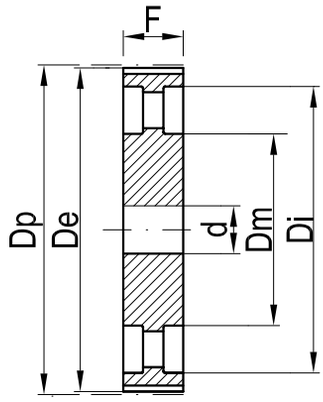


Fig. 5

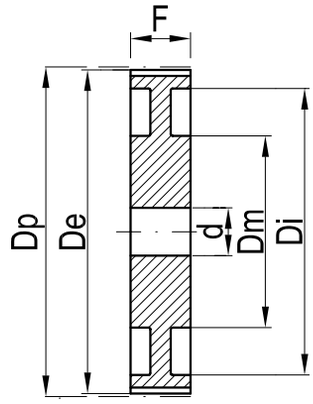
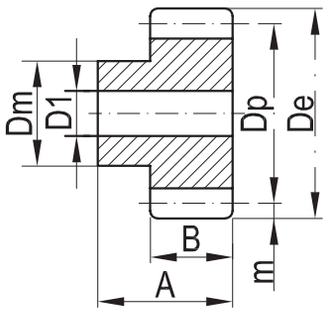


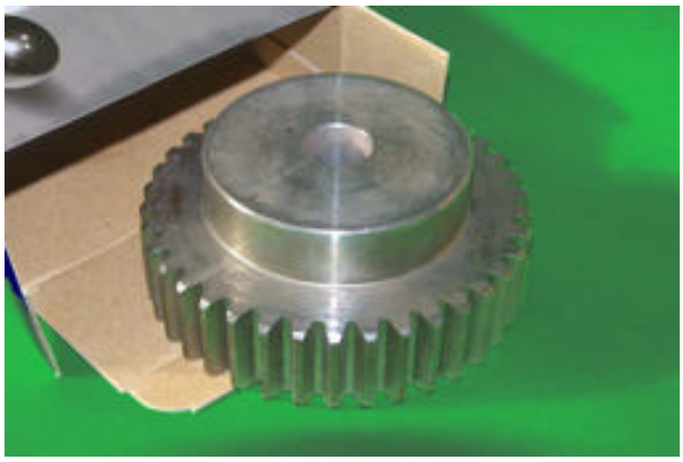
Fig. 7

HTD 14M 170

Characteristics *Caractéristiques* Caratteristiche	**Type** *Type* Tipo	**Z**	**Esec.** *Exec.* Esec.	**Dp**	**De**	**Df**	**Dm**	**Di**	**F**	**L**	**d**
	28-14M-170	28	1F	124.78	122.12	128	100	-	187	202	-
	29-14M-170	29	1F	129.23	126.57	138	100	-	187	202	-
	30-14M-170	30	1F	133.69	130.99	138	100	-	187	202	-
	32-14M-170	32	1F	142.60	139.88	154	100	-	187	202	-
	34-14M-170	34	1F	151.52	148.79	160	100	-	187	202	-
	36-14M-170	36	1F	160.43	157.68	168	120	-	187	202	-
STEEL	38-14M-170	38	1F	169.34	166.60	183	135	-	187	202	-
ACIER	40-14M-170	40	1F	178.25	175.49	188	140	-	187	202	-
ACCIAIO	44-14M-170	44	1F	196.08	193.28	211	160	-	187	202	-
	48-14M-170	48	1F	213.90	211.11	226	160	-	187	202	-
	56-14M-170	56	1F	249.55	246.76	256	160	-	187	202	-
	64-14M-170	64	1F	285.21	282.41	296	180	-	187	202	-
	72-14M-170	72	7	320.86	318.06	-	180	278	187	187	32
	80-14M-170	80	7	356.51	353.71	-	180	314	187	187	32
	90-14M-170	90	5	401.07	398.28	-	180	358	187	187	38
	112-14M-170	112	5	499.11	496.32	-	200	456	187	187	38
CAST IRON	144-14M-170	144	5	641.71	638.92	-	220	600	187	187	38
FONTE	168-14M-170	168	5	748.66	745.87	-	220	706	187	187	38
GHISA	192-14M-170	192	5	855.61	852.82	-	220	813	187	187	38
	216-14M-170	216	5	962.57	959.76	-	220	920	187	187	38

Cylindrical toothed wheels
Roues dentées cylindriques
Ruote dentate cilindriche





Cylindrical toothed wheels with side hub
Pressure angle 20°

Z = No. of teeth
m = module = De-Dp = Dp
Z Z

MATERIAL C45 - UNI 7845

Roues dentées cylindriques avec moyeu latéral
Angle de pression 20°

Z = N° de dents
m = module = De-Dp = Dp
Z Z

MATERIAU C45 - UNI 7845

Ruote dentate cilindriche con mozzo laterale
Angolo di pressione 20°

Z = N° di denti
m = modulo = De-Dp = Dp
Z Z

MATERIALE C45 - UNI 7845

"B" tooth width for:
Largeur dent "B" pour:
Larghezza dente "B" per:

m 1 =15 mm
m 1.5 = 17 mm
m 2 = 20 mm
m 2.5 = 25 mm
m 3 = 30 mm
m 4 = 40 mm
m 5 = 50 mm
m 6 = 60 mm

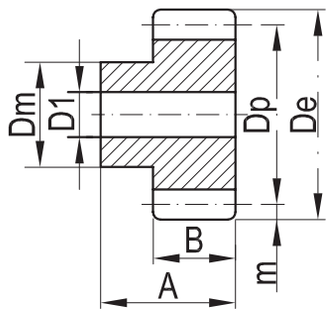
"A" size for:
Dimension "A" pour:
Dimensione "A" per:

m 1 =25 mm
m 1.5 = 30 mm
m 2 = 35 mm
m 2.5 = 40 mm
m 3 = 50 mm
m 4 = 60 mm
m 5 = 75 mm
m 6 = 80 mm

Z	m 1				m 1.5				m 2				m 2.5			
	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1
12	14	12	9	5	21.0	18.0	14	8	28	24	18	10	35.0	30.0	22	10
13	15	13	10	5	22.5	19.5	14	8	30	26	19	10	37.5	32.5	25	10
14	16	14	10	5	24.0	21.0	18	8	32	28	20	10	40.0	35.0	28	10
15	17	15	12	6	25.5	22.5	18	8	34	30	22	10	42.5	37.5	30	10
16	18	16	13	6	27.0	24.0	20	8	36	32	24	10	45.0	40.0	32	12
17	19	17	14	8	28.5	25.5	20	8	38	34	25	10	47.5	42.5	35	12
18	20	18	15	8	30.0	27.0	20	8	40	36	25	10	50.0	45.0	35	12
19	21	19	15	8	31.5	28.5	20	8	42	38	25	10	52.5	47.5	35	12
20	22	20	16	8	33.0	30.0	25	8	44	40	30	10	55.0	50.0	40	14
21	23	21	16	8	34.5	31.5	25	10	46	42	30	12	57.5	52.5	40	14
22	24	22	18	8	36.0	33.0	25	10	48	44	30	12	60.0	55.0	45	14
23	25	23	18	8	37.5	34.5	25	10	50	46	30	12	62.5	57.5	45	14
24	26	24	20	8	39.0	36.0	25	10	52	48	35	12	65.0	60.0	45	14
25	27	25	20	8	40.5	37.5	25	10	54	50	35	12	67.5	62.5	50	14
26	28	26	20	8	42.0	39.0	30	12	56	52	40	12	70.0	65.0	50	14

Z	m 1				m 1.5				m 2				m 2.5			
	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1
27	29	27	20	8	43.5	40.5	30	12	58	54	40	12	72.5	67.5	50	14
28	30	28	20	8	45.0	42.0	30	12	60	56	40	12	75.0	70.0	50	14
29	31	29	20	8	46.5	43.5	30	12	62	58	40	14	77.5	72.5	50	14
30	32	30	20	8	48.0	45.0	30	12	64	60	40	14	80.0	75.0	55	16
31	33	31	25	10	49.5	46.5	35	12	66	62	45	14	82.5	77.5	55	16
32	34	32	25	10	51.0	48.0	35	12	68	64	45	14	85.0	80.0	55	16
33	35	33	25	10	52.5	49.5	35	12	70	66	45	14	87.5	82.5	55	16
34	36	34	25	10	54.0	51.0	35	12	72	68	45	14	90.0	85.0	55	16
35	37	35	25	10	55.5	52.5	35	12	74	70	45	14	92.5	87.5	60	16
36	38	36	25	10	57.0	54.0	35	12	76	72	45	14	95.0	90.0	60	16
37	39	37	25	10	58.5	55.5	40	12	78	74	50	14	97.5	92.5	60	16
38	40	38	25	10	60.0	57.0	40	12	80	76	50	14	100.0	95.0	60	16
39	41	39	25	10	61.5	58.5	40	12	82	78	50	14	102.5	97.5	60	16
40	42	40	25	10	63.0	60.0	40	12	84	80	50	14	105.0	100.0	70	20
41	43	41	30	10	64.5	61.5	50	14	86	82	60	16	107.5	102.5	70	20
42	44	42	30	10	66.0	63.0	50	14	88	84	60	16	110.0	105.0	70	20
43	45	43	30	10	67.5	64.5	50	14	90	86	60	16	112.5	107.5	70	20
44	46	44	30	10	69.0	66.0	50	14	92	88	60	16	115.0	110.0	70	20
45	47	45	30	10	70.5	67.5	50	14	94	90	60	16	117.5	112.5	70	20
46	48	46	30	10	72.0	69.0	50	14	96	92	60	16	120.0	115.0	70	20
47	49	47	30	10	73.5	70.5	50	14	98	94	60	16	122.5	117.5	80	20
48	50	48	30	10	75.0	72.0	50	14	100	96	70	16	125.0	120.0	80	20
49	51	49	30	10	76.5	73.5	50	14	102	98	70	16	127.5	122.5	80	20
50	52	50	30	12	78.0	75.0	50	14	104	100	70	16	130.0	125.0	80	20
51	53	51	40	12	79.5	76.5	60	15	106	102	70	20	132.5	127.5	90	20
52	54	52	40	12	81.0	78.0	60	15	108	104	70	20	135.0	130.0	90	20
53	55	53	40	12	82.5	79.5	60	15	110	106	70	20	137.5	132.5	90	20
54	56	54	40	12	84.0	81.0	60	15	112	108	70	20	140.0	135.0	90	20
55	57	55	40	12	85.5	82.5	60	15	114	110	70	20	142.5	137.5	90	20
56	58	56	40	12	87.0	84.0	60	15	116	112	70	20	145.0	140.0	100	20
57	59	57	40	12	88.5	85.5	60	15	118	114	70	20	147.5	142.5	100	20
58	60	58	40	12	90.0	87.0	60	15	120	116	70	20	150.0	145.0	100	20
59	61	59	40	12	91.5	88.5	60	15	122	118	70	20	152.5	147.5	100	20
60	62	60	40	12	93.0	90.0	60	15	124	120	70	20	155.0	150.0	100	20
61	63	61	50	12	94.5	91.5	70	20	126	122	80	20				
62	64	62	50	12	96.0	93.0	70	20	128	124	80	20				
63	65	63	50	12	97.5	94.5	70	20	130	126	80	20				
64	66	64	50	12	99.0	96.0	70	20	132	128	80	20				
65	67	65	50	12	100.5	97.5	70	20	134	130	80	20				
66	68	66	50	12	102.0	99.0	70	20	136	132	80	20				
67	69	67	50	12	103.5	100.5	70	20	138	134	80	20				
68	70	68	50	12	105.0	102.0	70	20	140	136	80	20				
69	71	69	50	12	106.5	103.5	70	20	142	138	80	20				
70	72	70	50	12	108.0	105.0	70	20	144	140	80	20				

Transmission coupler
Organs de trasmission
Organi di trasmissione



"B" tooth width for:
Largeur dent "B" pour:
Larghezza dente "B" per:

m 1 =15 mm
m 1.5 = 17 mm
m 2 = 20 mm
m 2.5 = 25 mm
m 3 = 30 mm
m 4 = 40 mm
m 5 = 50 mm
m 6 = 60 mm

"A" size for:
Dimension "A" pour:
Dimensione "A" per:

m 1 =25 mm
m 1.5 = 30 mm
m 2 = 35 mm
m 2.5 = 40 mm
m 3 = 50 mm
m 4 = 60 mm
m 5 = 75 mm
m 6 = 80 mm

Cylindrical toothed wheels with side hub
Pressure angle 20°
Z = No. of teeth
m = module = De-Dp = Dp
Z Z

MATERIAL C45 - UNI 7845

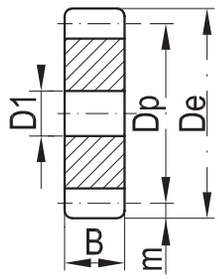
Roues dentées cylindriques avec moyeu latéral
Angle de pression 20°
Z = N° de dents
m = module = De-Dp = Dp
Z Z

MATERIAU C45 - UNI 7845

Ruote dentate cilindriche con mozzo laterale
Angolo di pressione 20°
Z = N° di denti
m = modulo = De-Dp = Dp
Z Z

MATERIALE C45 - UNI 7845

Z	m 3				m 4				m 5				m 6			
	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1
12	42	36	25	12	56	48	35	14	70	60	45	16	84	72	54	
13	45	39	25	12	60	52	40	14	75	65	50	16	90	78	60	
14	48	42	30	12	64	56	45	14	80	70	55	20				
15	51	45	35	12	68	60	45	14	85	75	60	20	102	90	70	
16	54	48	38	15	72	64	50	15	90	80	65	20	108	96	75	
17	57	51	42	15	76	68	50	15	95	85	70	20				
18	60	54	45	15	80	72	50	15	100	90	70	20	120	108	80	
19	63	57	45	15	84	76	60	15	105	95	70	20				
20	66	60	45	15	88	80	60	15	110	100	80	20	132	120	90	
21	69	63	45	15	92	84	70	20	115	105	80	20				
22	72	66	50	15	96	88	70	20	120	110	80	25				
23	75	69	50	15	100	92	75	20	125	115	90	25				
24	78	72	50	16	104	96	75	20	130	120	90	25	156	144	110	
25	81	75	60	16	108	100	75	20	135	125	90	25	162	150	110	
26	84	78	60	16	112	104	75	20	140	130	100	25				
27	87	81	60	16	116	108	75	20	145	135	100	25				
28	90	84	60	16	120	112	75	20	150	140	100	25				
29	93	87	60	16	124	116	75	20	155	145	100	25				
30	96	90	60	16	128	120	75	20	160	150	100	25				
31	99	93	70	20	132	124	80	20								
32	102	96	70	20	136	128	80	20								
33	105	99	70	20	140	132	80	20								
34	108	102	70	20	144	136	80	20								
35	111	105	70	20	148	140	80	20								
36	114	108	70	20	152	144	80	20								
37	117	111	80	20												
38	120	114	80	20												
39	123	117	80	20												
40	126	120	80	20												
41	129	123	90	20												
42	132	126	90	20												
43	135	129	90	20												
44	138	132	90	20												
45	141	135	90	20												
46	144	138	90	20												
47	147	141	90	20												
48	150	144	100	20												



Cylindrical toothed wheels
Pressure angle 20°

Z = No. of teeth
m = module

MATERIAL C45 - UNI 7845

Roues dentées cylindriques avec moyeu latéral
Angle de pression 20°

Z = N° de dents
m = module

MATERIAU C45 - UNI 7845

Ruote dentate cilindriche
Angolo di pressione 20°

Z = N° di denti
m = modulo

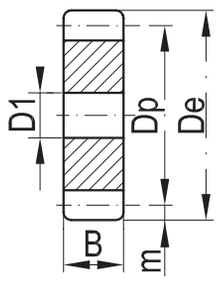
MATERIALE C45 - UNI 7845

"B" belt width for:
Largeur bracelet "B" pour:
Larghezza fascia "B" per:

m 1 = 15 mm
m 1.5 = 17 mm
m 2 = 20 mm
m 2.5 = 25 mm
m 3 = 30 mm
m 4 = 40 mm
m 5 = 50 mm
m 6 = 60 mm

Z	m 1				m 1.5				m 2				m 2.5			
	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1
65													167.5	162.5		20
70													180.0	175.0		20
72	74	72		12	111.0	108.0		20	148	144		20	185.0	180.0		20
75	77	75		12	115.5	112.5		20	154	150		20	192.5	187.5		20
76	78	76		12	117.0	114.0		20	156	152		20	195.0	190.0		20
80	82	80		12	123.0	120.0		20	164	160		20	205.0	200.0		25
85	87	85		12	130.5	127.5		20	174	170		20	217.5	212.5		25
90	92	90		12	138.0	135.0		20	184	180		20	230.0	225.0		25
95	97	95		12	145.5	142.5		20	194	190		20	242.5	237.5		25
100	102	100		12	153.0	150.0		20	204	200		20	255.0	250.0		25
110	112	110		12	168.0	165.0		20	224	220		20	280.0	275.0		25
114	116	114		12	174.0	171.0		20	232	228		20	290.0	285.0		25
120	122	120		12	183.0	180.0		20	244	240		20	305.0	300.0		25
127	129	127		12	193.5	190.5		20	258	254		20	322.5	317.5		25

Transmission coupler
Organs de trasmission
Organi di trasmissione



Cylindrical toothed wheels
Pressure angle 20°

Z = No. of teeth
m = module

MATERIAL C45 - UNI 7845

Roues dentées cylindriques avec moyeu latéral
Angle de pression 20°

Z = N° de dents
m = module

MATERIAU C45 - UNI 7845

Ruote dentate cilindriche
Angolo di pressione 20°

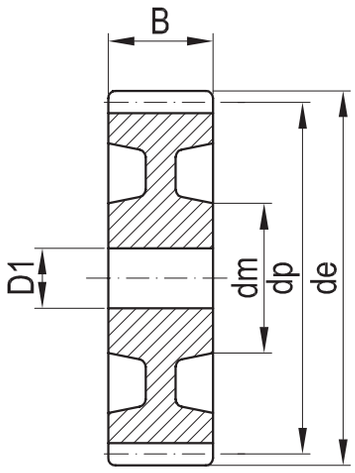
Z = N° di denti
m = modulo

MATERIALE C45 - UNI 7845

"B" belt width for:
Largeur bracelet "B" pour:
Larhezza fascia "B" per:

m 1 = 15 mm
m 1.5 = 17 mm
m 2 = 20 mm
m 2.5 = 25 mm
m 3 = 30 mm
m 4 = 40 mm
m 5 = 50 mm
m 6 = 60 mm

Z	m 3				m 4				m 5				m 6			
	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1
28													180	168		25
30													192	180		25
32									170	160		25	204	192		25
35									185	175		25	222	210		25
38					160	152		25	200	190		30	240	228		25
40					168	160		25	210	200		30	252	240		25
45					188	180		25	235	225		30				
48					200	192		25	250	240		30				
50	156	150		25	208	200		25	260	250		30				
52	162	156		25	216	208		25	270	260		30				
55	171	165		25	228	220		25	285	275		30				
57	177	171		25	236	228		25	295	285		30				
60	186	180		25	248	240		25	310	300		30				
65	201	195		25	268	260		25	335	325		30				
70	216	210		25	288	280		25	360	350		30				
72	222	216		25												
75	231	225		25	308	300		25	385	375		30				
76	234	228		25	312	304		25	390	380		30				
80	246	240		25	328	320		25	410	400		30				
85	261	255		25	348	340		25	435	425		30				
90	276	270		25	368	360		25	460	450		30				
95	291	285		25	388	380		25	485	475		30				
100	306	300		25	408	400		25	510	500		30				
110	336	330		25	448	440		25	560	550		30				
114	348	342		25	464	456		25	580	570		30				
120	366	360		25												
127	387	381		25												



Cylindrical toothed wheels
Pressure angle 20°

Z = No. of teeth
m = module = De-Dp = Dp
Z Z

MATERIAL: CAST IRON G20 - UNI 5700

Roues dentées cylindriques avec moyeu latéral
Angle de pression 20°

Z = N° de dents
m = module = De-Dp = Dp
Z Z

MATERIAU: FONTE G20 - UNI 5700

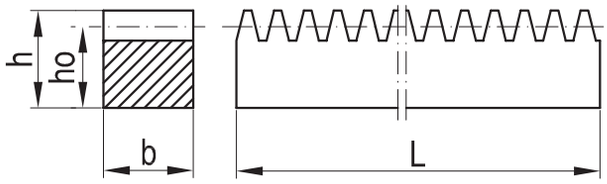
Ruote dentate cilindriche
Angolo di pressione 20°

Z = N° di denti
m = modulo = De-Dp = Dp
Z Z

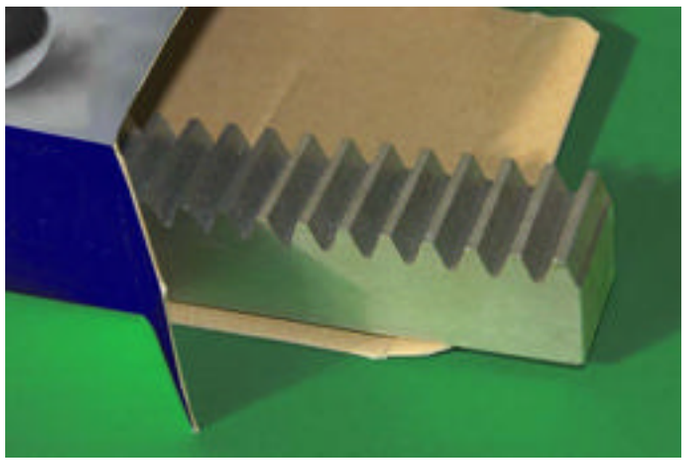
MATERIALE: GHISA G20 - UNI 5700

Z	m	2	2.5	3	3.5	4	4.5	5
	D_1	15	18	20	20	25	25	30
	B	20	25	30	35	40	45	50
30	dp					120	135	150
	de					128	144	160
	dm					70	70	80
35	dp				122.5	140	157.5	175
	de				129.5	148	166.5	185
	dm				60	70	70	80
40	dp				140	160	180	200
	de				147	168	189	210
	dm				60	70	70	80
45	dp		112.5	135	157.5	180	202.5	
	de		117.5	141	163.5	188	211.5	
	dm		50	50	60	70	70	
50	dp	100	125		175	200	225	250
	de	104	130		182	208	234	260
	dm	40	50		60	70	70	80
60	dp			180				
	de			186				
	dm			50				

Racks
Pressure angle 20°
Crémaillères
Angle de pression 20°
Cremagliere
Angolo di pressione 20°



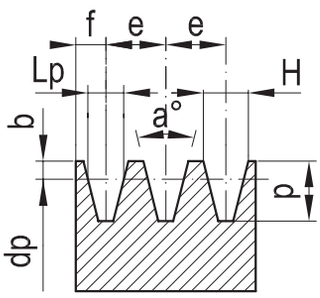
$m = h - h_0$

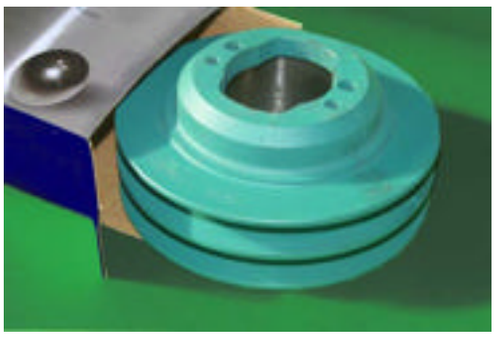


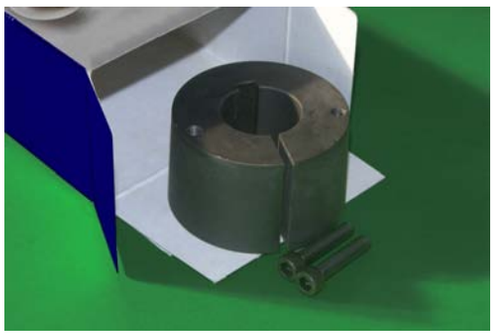
MATERIAL: C40 - DRAWN - NORMALIZED
MATERIAU : C40 - TREFILE - NORMALISE
MATERIALE: C40 - TRAFILATO - NORMALIZZATO

m	Size b x h *Dimensions b x h* Dimensioni b x h		h_0	L	kg.
	b	h			
1	15	15	14	500	0.820
	15	15	14	1000	1.640
	15	15	14	2000	3.200
1.5	17	17	15.5	500	1.000
	17	17	15.5	1000	2.050
	17	17	15.5	2000	4.000
2	20	20	18	500	1.410
	20	20	18	1000	2.750
	20	20	18	2000	5.500
2.5	25	25	22.5	500	2.100
	25	25	22.5	1000	4.500
	25	25	22.5	2000	9.000
3	30	30	27	500	3.100
	30	30	27	1000	6.500
	30	30	27	2000	13.000
4	30	30	26	500	3.050
	30	30	26	1000	6.100
	30	30	26	2000	12.500
4	40	40	36	500	5.500
	40	40	36	1000	11.000
	40	40	36	2000	23.000
5	50	50	45	500	8.300
	50	50	45	1000	17.500
	50	50	45	2000	35.000
6	60	60	54	500	12.650
	60	60	54	1000	25.500
	60	60	54	2000	51.000
10	80	80	70	2000	77.000

Bushed Pulleys
Poulies avec douille
Pulegge con bussola







Pulley Profiles (mm)/ *Profils des poulies (mm)*/ Profili delle pulegge (mm)

Designation *Code* Codifica	**Section** *Section* Sezione	**Lp**	**e**	**f**	**b**	**p**	**dp** >	**dp** ≤	α°	**H**
SPZ	10 X 8	8,5	12	8	2,5	11,1		112	34	9,9
							112		38	10,1
SPA	13 X 10	11	15	10	3	14,3		150	34	12,8
							150		38	13
SPB	16 X 13	14	19	12	3,5	18,2		190	34	16,3
							190		38	16,5
SPC	21 X 18	19	25	16	5	24,5		250	34	22,1
							250		38	22,4

Fig.1

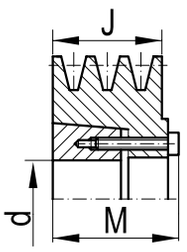


Fig.2

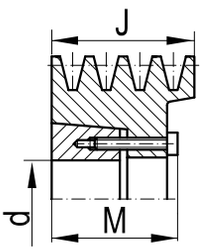


Fig.3

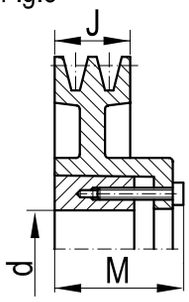


Fig.4

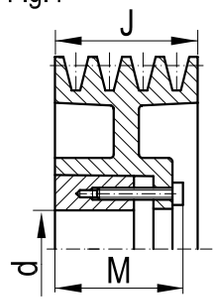


Fig.5

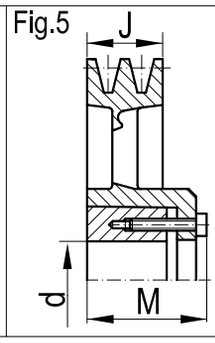
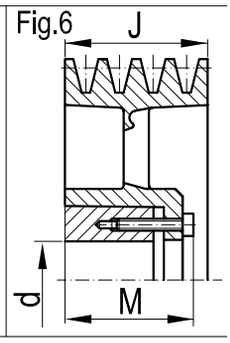


Fig.6



Bush *Douille* Bussola **N°**	**Bore** *Trou* Foro **min**	**max**	**Mass** *Masse* Massa **(kg)**	**Bushes with slotted bores available from stock** *Douille avec trous finis disponibles diamètre "d"* Bussola con fori finiti disponibili diametro "d"																
25	13	25	0.15	14	16	18	19	20	22	24	25									
28	13	28	0.20	14	16	18	19	20	22	24	25	28								
32	12	32	0.25	14	16	18	19	20	22	24	25	28	30	32						
36	14	36	0.30	14	16	18	19	20	22	24	25	28	30	32	35					
40	14	40	0.45	14	16	18	19	20	22	24	25	28	30	32	35	38	40			
45	16	45	0.60	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45		
50	19	50	0.90	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50		
56	22	56	1.10	24	25	28	30	32	35	38	40	42	45	48	50	55				
63	24	63	1.80	24	25	28	30	32	35	38	40	42	45	48	50	55	60			
80	28	80	3.30	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75	80	
100	40	100	6.50	40	42	45	48	50	55	60	65	70	75	80	85	90	95	100		
125	50	125	13.00	70	75	80	85	90	95	100	120									
160	63	160	25.00																	

Mass of bushes included assembly screws for max. bore "d"
Masse des douilles avec vis pour trou max "d"
Massa delle bussole comprensive di viti per foro max "d"

SPZ / Z (3V)

dp	1 Groove/*Gorges*/Gola J=16						2 Grooves/*Gorges*/Gole J=28					
	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)
63	25	13	25	1	38	0.45	25	13	25	1	38	0.5
71	25	13	25	1	38	0.55	25	13	25	1	38	0.65
75	25	13	25	1	38	0.6	32	12	32	1	47	0.85
80	25	13	25	1	38	0.65	32	12	32	1	47	0.95
85	25	13	25	1	38	0.7	32	12	32	1	47	1.1
90	25	13	25	1	38	0.75	32	12	32	1	47	1.2
95	25	13	25	1	38	0.8	32	12	32	1	47	1.35
100	25	13	25	1	38	0.85	32	12	32	1	47	1.45
106	32	12	32	1	47	1.25	32	12	32	1	47	1.65
112	32	12	32	1	47	1.3	40	14	40	1	57	2.1
118	32	12	32	3	47	1.3	40	14	40	1	57	2.3
125	32	12	32	3	47	1.45	40	14	40	1	57	2.4
132	32	12	32	3	47	1.55	40	14	40	3	57	2.3
140	32	12	32	3	47	1.65	40	14	40	3	57	2.4
150	40	14	40	3	57	2.2	50	19	50	3	57	3.7
160	32	12	32	3	47	2	40	14	40	3	57	2.7
180	32	12	32	5	47	1.65	40	14	40	3	57	3.2
200	32	12	32	5	47	1.85	40	14	40	5	57	2.9
224	40	14	40	5	57	2.5	40	14	40	5	57	3.1
250	40	14	40	5	57	2.7	50	19	50	5	70	4.8
280	45	16	45	5	62	3.7	50	19	50	5	70	5
315	45	16	45	5	62	4	50	19	50	5	70	5.5
355							56	22	56	5	70	6.5
400							50	19	50	5	70	7.5

dp	3 Grooves/*Gorges*/Gole J=40						4 Grooves/*Gorges*/Gole J=52						5 Grooves/*Gorges*/Gole J=64					
	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)
63	25	13	25	2	38	0.55												
71	25	13	25	2	38	0.75												
75	32	12	32	1	47	0.9												
80	32	12	32	1	47	1.05												
85	32	12	32	1	47	1.25												
90	40	14	40	1	57	1.5												
95	40	14	40	1	57	1.7												
100	40	14	40	1	57	1.9	40	14	40	1	57	2.1						
106	40	14	40	1	57	2.1	40	14	40	1	57	2.4						
112	40	14	40	1	57	2.4	50	19	50	1	70	3.5						
118	45	16	45	1	62	2.7												
125	40	14	40	1	57	3	50	19	50	1	70	4.4	50	19	50	1	70	4.1
132	50	19	50	1	72	3.9												
140	50	19	50	1	70	4.4	50	19	50	1	70	5.5	50	19	50	1	70	5.5
150	56	22	56	1	78	5												
160	50	19	50	3	70	4.4	50	19	50	1	70	5.5	50	19	50	1	70	6.5
180	50	19	50	3	70	4.9	50	19	50	3	70	5.5	63	24	63	1	86	9.5
200	50	19	50	3	70	5.5	50	19	50	3	70	6.5	63	24	63	3	86	9
224	50	19	50	5	70	5	50	19	50	5	70	7	63	24	63	3	86	10
250	50	19	50	5	70	5.5	50	19	50	5	70	7.5	63	24	63	5	86	9.5
280	50	19	50	5	70	6	63	24	63	5	86	9.5	63	24	63	5	86	10.5
315	50	19	50	5	70	6.5	63	24	63	5	86	10.5	63	24	63	5	86	12.5
355	63	24	63	5	91	9												
400	63	24	63	5	86	11	63	24	63	5	86	12.5	63	24	63	5	86	14.5

(*) Weight of pulley + bush
(*) Poids poulie avec douille
(*) Peso puleggia comprensivo di bussola

SPA/A

dp	1 Grooves/*Gorges*/Gole J=16						2 Grooves/*Gorges*/Gole J=28					
	Bush *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**	**Bush** *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**
		mini	**maxi**					**mini**	**maxi**			
71	28	13	28	1	41	0.6	28	13	28	1	41	0.65
75	28	13	28	1	41	07	28	12	28	1	41	0.8
80	28	13	28	1	41	0.75	28	12	28	1	41	0.85
85	28	13	28	1	41	0.75	36	14	36	1	51	1.1
90	28	13	28	1	41	0.85	40	14	40	1	57	1.35
95	28	13	28	1	41	0.9	40	14	40	1	57	1.55
100	40	14	40	1	57	1.55	45	16	45	1	62	1.75
106	40	14	40	1	57	1.7	45	16	45	1	62	2
112	40	14	40	1	57	1.7	45	16	45	1	62	2.3
118	40	14	40	1	57	1.8	45	16	45	1	62	2.4
125	45	16	45	1	62	2.2	45	16	45	1	62	2.7
132	45	16	45	1	62	2.3	45	16	45	1	62	3
140	45	16	45	1	62	2.5	50	19	50	1	72	3.8
150	45	16	45	3	62	2.4	50	19	50	1	72	4.2
160	45	16	45	3	62	2.6	56	22	56	1	78	5
170	45	16	45	3	62	2.8	56	22	56	1	78	5.5
180	45	16	45	3	62	3	56	22	56	3	78	5
190	45	16	45	3	62	3.2	56	22	56	3	78	5.5
200	45	16	45	3	62	3.4	56	22	56	3	78	5.5
212							56	22	56	3	78	6
224	45	16	45	3	62	4	56	22	56	3	78	6.5
236							56	22	56	3	78	7
250	45	16	45	5	62	4	56	22	56	3	78	7.5
280	50	19	50	5	72	5	63	24	63	5	91	8
315	50	19	50	5	72	6	63	24	63	5	91	8.5
355	50	19	50	5	72	7.5	63	24	63	5	91	9
400							63	24	63	5	91	11.5
450							63	24	63	5	91	12.5

dp	3 Grooves/*Gorges*/Gole J=40						4 Grooves/*Gorges*/Gole J=52						5 Grooves/*Gorges*/Gole J=64					
	Bush *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**	**Bush** *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**	**Bush** *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**
		mini	**maxi**					**mini**	**maxi**					**mini**	**maxi**			
71	28	13	28	2	45	0.8												
75	28	12	28	2	41	0.9												
80	32	12	32	2	47	1.05	32	12	32	2	64	1.4						
85	36	14	36	1	51	1.2	36	14	36	2	64	1.55						
90	40	14	40	1	57	1.4	40	14	40	2	64	1.7						
95	40	14	40	1	57	1.65	40	14	40	2	57	1.85						
100	45	16	45	1	62	1.85	45	16	45	2	62	2.1	45	16	45	1	79	2.7
106	45	16	45	1	62	2.2	45	16	45	2	62	2.4	45	16	45	1	62	2.8
112	45	16	45	1	62	2.6	50	19	50	1	72	2.8	50	19	50	1	72	3.1
118	50	19	50	1	72	3.1	56	22	56	1	78	3.2	56	22	56	1	78	3.5
125	56	22	56	1	78	3.6	56	22	56	1	78	3.8	56	22	56	1	78	4.1
132	56	22	56	1	78	4.1	56	22	56	1	78	4.3	56	22	56	1	78	4.8
140	56	22	56	1	78	4.5	56	22	56	1	78	5	63	24	63	1	91	5.5
150	56	22	56	1	78	5	56	22	56	1	78	6	63	24	63	1	91	7
160	56	22	56	1	78	6	63	24	63	1	91	7.5	80	28	80	1	112	8.5
170	56	22	56	1	78	6.5	63	24	63	1	91	8.5						

Transmission coupler
Organs de trasmission
Organi di trasmissione

dp	3 Grooves/*Gorges*/Gole J=40						4 Grooves/*Gorges*/Gole J=52						5 Grooves/*Gorges*/Gole J=64					
	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)
180	56	22	56	3	78	6	63	24	63	1	91	9.5	80	28	80	1	112	11.5
190	63	24	63	3	91	8	80	28	80	1	112	12						
200	63	24	63	3	91	8	80	28	80	1	112	13.5	80	28	80	1	112	14.5
212	63	24	63	3	91	8.5	80	28	80	1	112	15						
224	63	24	63	3	91	9	80	28	80	3	112	14.5	80	28	80	3	112	16.5
236	63	24	63	3	91	9.5	80	28	80	3	112	14						
250	63	24	63	3	91	10	80	28	80	3	112	15	80	28	80	3	112	16
280	80	28	80	3	91	15	80	28	80	3	112	16.5	80	28	80	3	112	18
315	80	28	80	5	112	14	80	28	80	5	112	15.5	80	28	80	5	112	17
355	80	28	80	5	112	15	80	28	80	5	112	16.5	80	28	80	5	112	18.5
400	80	28	80	5	112	16	80	28	80	5	112	18	80	28	80	5	112	20
450	80	28	80	5	112	17.5	80	28	80	5	112	20	80	28	80	5	112	22
500	80	28	80	5	112	20	80	28	80	5	112	22	100	40	100	5	141	35
560	80	28	80	5	112	23	80	28	80	5	112	26						
630							100	40	100	5	141	38	100	40	100	5	141	42

(*) Weight of pulley + bush
(*) Poids poulie avec douille
(*) Peso puleggia comprensivo di bussola

SPB/B (5V)

dp	1 Groove/*Gorges*/Gole J=16						2 Grooves/*Gorges*/Gole J=28						3 Grooves/*Gorges*/Gole J=40					
	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)
112	32	12	32	1	47	1.55	40	14	40	1	57	2.3	40	14	40	2	57	2.7
118	32	12	32	1	47	1.7	40	14	40	1	57	2.5	40	14	40	2	57	3.1
125	32	12	32	1	47	1.9	40	14	40	1	57	2.9	50	19	50	1	70	3.6
132	32	12	32	1	47	2.1	40	14	40	1	57	3.3	50	19	50	1	70	4.2
140	32	12	32	1	47	2.1	50	19	50	1	70	4.2	50	19	50	1	70	4.9
150	40	14	40	1	57	2.8	50	19	50	1	70	4.8	50	19	50	1	70	6
160	40	14	40	3	57	2.8	50	19	50	1	70	5.5	50	19	50	1	70	7
170	40	14	40	3	57	3	50	19	50	1	70	6	50	19	50	1	70	8
180	40	14	40	3	57	3.3	50	19	50	1	70	6	50	19	50	1	70	8
190	40	14	40	3	57	3.5	50	19	50	3	70	6	63	24	63	1	86	10.5
200	40	14	40	5	57	3.2	50	19	50	3	70	6	63	24	63	1	86	11
212	50	19	50	5	70	4.6	50	19	50	3	70	6.5	63	24	63	3	86	10.5
224	50	19	50	5	70	4.7	50	19	50	5	70	6	63	24	63	3	86	11
236	50	19	50	5	70	4.9	50	19	50	5	70	6.5	63	24	63	3	86	11.5
250	50	19	50	5	70	5	63	24	63	5	86	9	63	24	63	5	86	10
265							63	24	63	5	86	9.5	80	28	80	3	107	17
280	50	19	50	5	70	5.5	63	24	63	5	86	9.5	63	24	63	5	86	11
300							63	24	63	5	86	10.5	80	28	80	5	107	17
315	50	19	50	5	70	6	63	24	63	5	86	10	63	24	63	5	86	12.5
335							63	24	63	5	86	11	80	28	80	3	112	21
355							80	28	80	5	112	15.5	80	28	80	5	107	18
400							80	28	80	5	112	16.5	80	28	80	5	107	19.5
450							80	28	80	5	112	18	80	28	80	5	107	21
500							80	28	80	5	107	20	80	28	80	5	107	23
630													80	28	80	5	107	30
800													80	28	80	5	107	43

dp	4 Grooves/*Gorges*/Gole J=16						5 Grooves/*Gorges*/Gole J=28					
	Bush *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**	**Bush** *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**
		mini	**maxi**					**mini**	**maxi**			
112	40	14	40	2	57	3.4						
118	50	19	50	2	79	3.9	50	19	50	2	98	5
125	50	19	50	2	70	4.1	50	19	50	2	70	4.8
132	50	19	50	2	70	4.7	50	19	50	2	70	5.5
140	50	19	50	2	70	5.5	50	19	50	2	70	6.5
150	50	19	50	2	70	6.5	63	24	63	2	86	7.5
160	63	24	63	1	86	8	63	24	63	2	86	9
170	63	24	63	1	86	9.5	63	24	63	2	86	10.5
180	63	24	63	1	86	11	63	24	63	2	86	12
190	63	24	63	1	86	12	63	24	63	2	86	14
200	63	24	63	1	86	13	63	24	63	2	86	16
212	63	24	63	3	86	13	63	24	63	4	86	14.5
224	63	24	63	3	86	13	80	28	80	1	107	20
236	63	24	63	3	86	13.5	80	28	80	3	107	21
250	63	24	63	5	86	14	80	28	80	3	107	19.5
265	80	28	80	3	112	18.5	80	28	80	3	112	21
280	80	28	80	5	107	18	80	28	80	3	107	22
300	80	28	80	3	112	21	80	28	80	3	112	23
315	80	28	80	5	107	20	80	28	80	5	107	22
335	80	28	80	3	112	24	80	28	80	3	112	26
355	80	28	80	5	107	21	80	28	80	5	107	23
400	80	28	80	5	107	23	80	28	80	5	107	26
450	80	28	80	5	107	25	80	28	80	5	107	28
500	80	28	80	5	107	30	100	40	100	5	133	41
630	100	40	100	5	133	45	100	40	100	5	133	51
800	100	40	100	5	133	59	100	40	100	5	133	69
1000	100	40	100	5	133	80	100	40	100	5	133	90

(*) Weight of pulley + bush
(*) Poids poulie avec douille
(*) Peso puleggia comprensivo di bussola

Transmission coupler
Organs de trasmission
Organi di trasmissione

dp	6 Grooves/*Gorges*/Gole J=64						8 Grooves/*Gorges*/Gole J=64					
	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)
112												
118												
125	50	19	50	2	70	5.5						
132	50	19	50	2	70	6.5						
140	63	24	63	2	86	7						
150	63	24	63	2	86	8.5						
160	63	24	63	2	86	9.5						
170	63	24	63	2	86	11.5						
180	63	24	63	2	86	13	80	28	80	2	107	16
190	63	24	63	2	86	15	80	28	80	2	107	18
200	80	28	80	2	107	17.5	80	28	80	2	107	21
212	80	28	80	2	107	20	80	28	80	2	107	23
224	80	28	80	2	107	23	80	28	80	2	107	26
236	80	28	80	2	107	23	80	28	80	2	107	29
250	80	28	80	4	107	23	100	40	100	2	133	35
265	80	28	80	4	112	24						
280	80	28	80	4	107	24	100	40	100	2	133	46
300	100	40	100	3	141	39						
315	80	28	80	6	107	24	100	40	100	4	133	49
335	100	40	100	3	141	41						
355	80	28	80	6	107	26	100	40	100	4	133	53
400	100	40	100	5	133	38	100	40	100	6	133	54
450	100	40	100	5	133	41	100	40	100	6	133	60
500	100	40	100	5	133	46	100	40	100	6	133	71
630	100	40	100	5	133	58	125	50	125	5	165	104
800	100	40	100	5	133	82	125	50	125	5	165	128
1000	125	50	125	5	165	118	125	50	125	5	165	168

(*) Weight of pulley + bush
(*) Poids poulie avec douille
(*) Peso puleggia comprensivo di bussola

SPC/C

dp	2 Grooves/*Gorges*/Gole J=28						3 Grooves/*Gorges*/Gole J=40						4 Grooves/*Gorges*/Gole J=52					
	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)	Bush *Douille* Bussola N°	d mini	d maxi	Fig.	M	Mass *Masse* Massa kg (*)
170	63	24	63	1	86	8	63	24	63	1	86	9	63	24	63	2	86	10.5
180	63	24	63	1	86	8.5	63	24	63	1	86	10.5	63	24	63	2	86	12
190	63	24	63	1	86	10	63	24	63	1	86	12	63	24	63	2	86	14
200	63	24	63	1	86	11	63	24	63	1	86	14	63	24	63	2	86	15.5
212	63	24	63	1	86	11.5	63	24	63	1	86	15	80	28	80	1	107	18.5
224	63	24	63	3	86	11	80	28	80	1	107	18.5	80	28	80	1	107	21
236	63	24	63	3	86	12	80	28	80	1	107	20	80	28	80	1	107	24
250	63	24	63	3	86	13	80	28	80	1	107	21	80	28	80	1	107	25
265	63	24	63	3	86	14	80	28	80	3	107	21	80	28	80	3	107	25
280	80	28	80	3	107	18	80	28	80	3	107	21	80	28	80	3	107	26
300	80	28	80	3	107	20	80	28	80	3	107	23	80	28	80	3	107	26
315	80	28	80	5	107	18.5	80	28	80	5	107	22	100	40	100	3	133	40
335	80	28	80	5	107	19.5	80	28	80	5	107	23	100	40	100	3	133	40

dp	2 Grooves/*Gorges*/Gole J=28						3 Grooves/*Gorges*/Gole J=40						4 Grooves/*Gorges*/Gole J=52					
	Bush *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**	**Bush** *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**	**Bush** *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**
		mini	**maxi**					**mini**	**maxi**					**mini**	**maxi**			
355	80	28	80	5	107	20	100	40	100	5	133	24	100	40	100	3	133	42
400	80	28	80	5	107	23	100	40	100	5	133	36	100	40	100	5	133	42
450	80	28	80	5	107	25	100	40	100	5	133	40	100	40	100	5	133	46
500							100	40	100	5	133	46	100	40	100	5	133	52
560							100	40	100	5	133	52	100	40	100	5	133	58
630							100	40	100	5	133	56	100	40	100	5	133	65
710							100	40	100	5	133	62	125	50	125	5	165	88
800							100	40	100	5	133	69	125	50	125	5	165	98
1000													125	50	125	5	165	128
1250													125	50	125	5	165	158

dp	5 Grooves/*Gorges*/Gole J=28						6 Grooves/*Gorges*/Gole J=40						8 Grooves/*Gorges*/Gole J=52					
	Bush *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**	**Bush** *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**	**Bush** *Douille* Bussola **N°**	**d**		**Fig.**	**M**	**Mass** *Masse* Massa **kg (*)**
		mini	**maxi**					**mini**	**maxi**					**mini**	**maxi**			
170	63	24	63	2	86	11.5	80	28	80	2	155	16.5						
180	63	24	63	2	86	13.5	80	28	80	2	107	14.5						
190	80	28	80	2	107	15.5	80	28	80	2	107	17	80	28	80	2	107	20
200	80	28	80	2	107	17.5	80	28	80	2	107	19	80	28	80	2	107	23
212	80	28	80	2	107	20	80	28	80	2	107	22	80	28	80	2	107	26
224	80	28	80	2	107	23	80	28	80	2	107	25	100	40	100	2	112	30
236	80	28	80	2	107	26	80	28	80	2	107	28	100	40	100	2	133	34
250	80	28	80	2	107	27	100	40	100	2	133	34	100	40	100	2	133	39
265	80	28	80	4	107	28	100	40	100	2	133	40	100	40	100	2	133	45
280	100	40	100	1	133	41	100	40	100	2	133	44	100	40	100	2	133	51
300	100	40	100	1	133	46	100	40	100	2	133	49	100	40	100	2	133	56
315	100	40	100	3	133	44	100	40	100	4	133	48	100	40	100	4	133	56
335	100	40	100	3	133	44	100	40	100	4	133	48	100	40	100	4	133	59
355	100	40	100	3	133	47	100	40	100	4	133	51	100	40	100	4	133	60
400	100	40	100	5	133	47	100	40	100	6	133	51	100	40	100	4	133	70
450	100	40	100	5	133	51	100	40	100	6	133	57	125	50	125	6	165	84
500	100	40	100	5	133	59	100	40	100	6	133	68	125	50	125	6	165	96
560	100	40	100	5	133	66	125	50	125	5	165	91	125	50	125	6	165	107
630	125	50	125	5	165	90	125	50	125	5	165	101	125	50	125	6	165	118
710	125	50	125	5	165	100	125	50	125	5	165	112	125	50	125	6	165	133
800	125	50	125	5	165	111	125	50	125	5	165	128	125	50	125	6	165	148
1000	125	50	125	5	165	148	125	50	125	5	165	168	160	63	160	5	206	235
1250	125	50	125	5	165	183	160	63	160	5	206	235	160	63	160	5	206	285
1600							160	63	160	5	206	395	160	63	160	5	206	435

(*) Weight of pulley + bush
(*) Poids poulie avec douille
(*) Peso puleggia comprensivo di bussola

PBT Pulley
Poulies PBT
Pulegge PBT

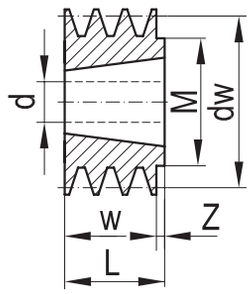
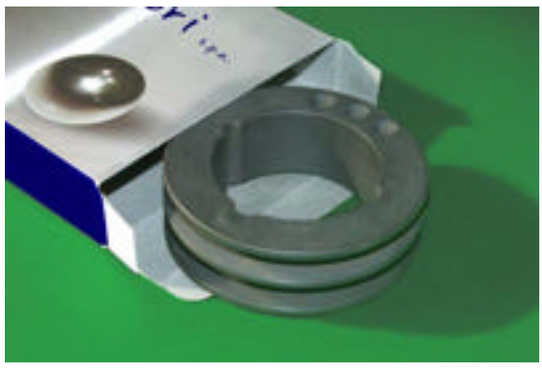


Fig. 1



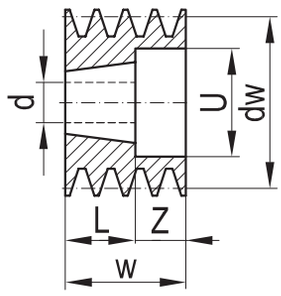
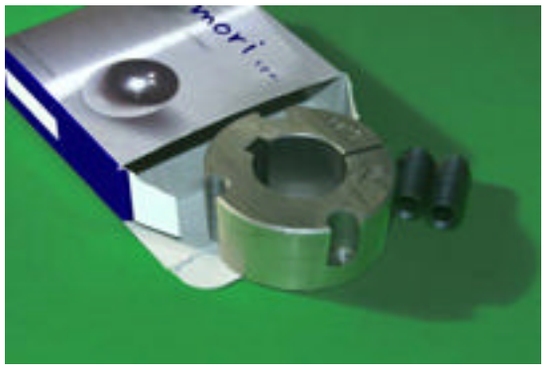


Fig. 10



* **on request** / *sur demande* / fornibile su richiesta

"PBT" SPZ-Z-3V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
63	1	1108	11-28	1	62	22	6	-	0,27
	2	1108	11-28	10	-	22	6	38	0,32
	3	1108	11-28	10	-	22	18	38	0,45
67	1	1108	11-28	1	62	22	6	-	0,30
	2	1108	11-28	10	-	22	6	40	0,39
	3	1108	11-28	10	-	22	18	38	0,53
71	1	1108	11-28	1	62	22	6	-	0.35
	2	1108	11-28	10	-	22	6	44	0.47
	3	1108	11-28	10	-	22	18	42	0.64
75	1	1108	11-28	1	62	22	6	-	0.40
	2	1210	12-32	10	-	25	3	48	0.47
	3	1210	12-32	10	-	25	15	48	0.64
	4	1210	12-32	10		25	27	49	0.80
80	1	1210	12-32	1	75	25	9	-	0.48
	2	1210	12-32	10	-	25	3	53	054
	3	1210	12-32	10	-	25	15	52	0.77
	4	1210	12-32	10	-	25	27	51	0.94
85	1	1210	12-32	1	86	25	9	-	0.54
	2	1610	12-42	10	-	25	3	58	0.54
	3	1610	12-42	10	-	25	15	57	0.77
	4	1610	12-42	10	-	25	27	56	0.97
	5	1610	12-42	10	-	25	39	56	1.08
90	1	1210	12-32	1	86	25	9	-	0.62
	2	1610	12-42	10	-	25	3	63	0.68
	3	1610	12-42	10	-	25	15	62	0.86
	4	1610	12-42	10	-	25	27	61	1.10
	5	1610	12-42	10	-	25	39	61	1.26
	*6	1610	12-42	10	-	26	50	63	1.45

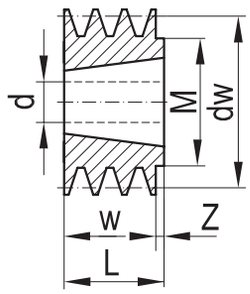


Fig. 1

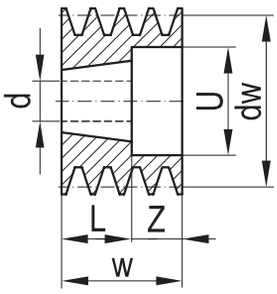


Fig. 2

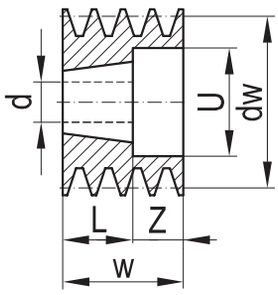


Fig. 10

"PBT" SPZ-Z-3V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
95	1	1210	12-32	1	86	25	9	-	0.71
	2	1610	12-42	10	-	25	3	68	1.11
	3	1610	12-42	10	-	25	15	67	1.18
	4	1610	12-42	10	-	25	27	66	1.22
	5	1610	12-42	10	-	25	39	66	1.54
	*6	1610	12-42	10	-	26	50	68	1.71
100	1	1210	12-32	1	86	25	9	-	0.90
	2	1610	12-42	10	-	25	3	73	0.94
	3	1610	12-42	2	-	25	15	72	1.40
	4	1610	12-42	10	-	25	27	74	1.40
	5	2012	15-50	10	-	32	32	71	1.47
	*6	2012	14-50	10	-	32	44	71	1.74
106	1	1210	12-32	1	80	25	9	-	0.96
	2	1610	12-42	2	-	25	3	78	1.10
	3	1610	12-42	1	82	41	1	-	1.67
	4	2012	15-50	10	-	32	20	80	1.46
	5	2012	15-50	10	-	32	32	77	1.66
	*6	2012	14-50	10	-	31	45	78	1.83
112	1	1610	12-42	1	92	25	9	-	0.98
	2	1610	12-42	10	-	25	3	85	1.32
	3	2012	15-50	10	-	32	8	84	1.64
	4	2012	15-50	10	-	32	20	86	1.70
	5	2012	15-50	10	-	32	32	83	1.97
	*6	2012	14-50	10	-	31	45	85	2.20
118	1	1610	12-42	1	92	25	9	-	1.24
	2	1610	12-42	2	-	25	3	93	1.47
	3	2012	15-50	2	-	32	8	90	1.92
	4	2012	15-50	2	-	32	20	92	1.98
	5	2012	15-50	2	-	32	32	89	2.14
	*6	2012	14-50	2	-	31	45	93	2.30
125	1	1610	12-42	1	92	25	9	-	1.28
	2	1610	12-42	10	-	25	3	98	1.70
	3	2012	15-50	2	-	32	8	98	1.98
	4	2012	15-50	2	-	32	20	99	2.28
	5	2012	15-50	2	-	32	32	96	2.57
	*6	2517	18-65	10	-	46	30	98	2.70

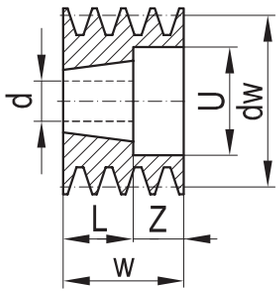


Fig. 2

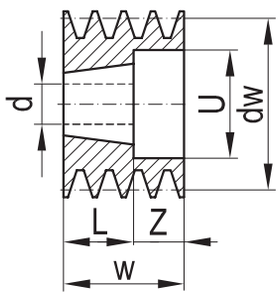


Fig. 4

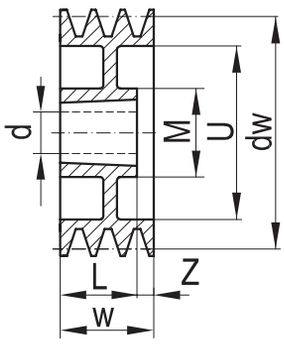


Fig. 5

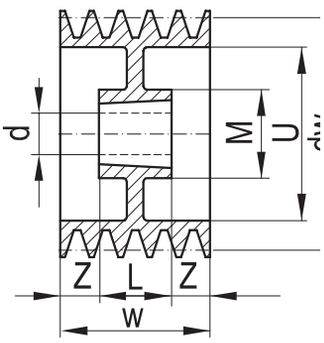


Fig. 6

"PBT" SPZ-Z-3V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
132	1	1610	12-42	4	90	25	9	105	1.30
	2	1610	12-42	5	90	25	3	105	1.80
	3	2012	15-50	2	-	32	8	105	2.24
	4	2012	15-50	2	-	32	20	105	2.60
	5	2517	18-65	2	-	45	19	105	2.86
	*6	2517	18-65	2	-	46	30	105	3.10
140	1	1610	12-42	4	90	25	9	113	1.38
	2	1610	12-42	5	90	25	3	113	1.80
	3	2012	15-50	2	-	32	8	112	2.68
	4	2012	15-50	2	-	32	20	112	2.98
	5	2517	18-65	2	-	45	19	111	3.40
	*6	2517	18-65	2	-	46	30	113	3.75
150	1	1610	12-42	4	90	25	9	123	1.52
	2	2012	15-50	4	110	32	4	123	2.49
	3	2012	15-50	5	110	32	8	123	2.84
	4	2517	18-65	2	-	45	7	122	3.76
	5	2517	18-65	2	-	45	19	121	4.14
	*6	2517	18-65	2	-	46	30	123	4.35
160	1	1610	12-42	4	90	25	9	133	1.65
	2	2012	15-50	4	110	32	4	133	2.42
	3	2012	15-50	5	110	32	8	133	2.92
	4	2517	18-65	5	120	45	7	133	4.20
	5	2517	18-65	5	120	45	19	133	4.40
	*6	2517	18-55	5	120	46	30	133	4.68
180	1	1610	12-42	4	92	25	9	152	1.72
	2	2012	15-50	4	106	32	4	152	2.80
	3	2012	15-50	5	106	32	8	152	3.42
	4	2517	18-65	5	120	45	7	153	4.10
	5	2517	18-65	5	120	45	19	153	4.78
	*6	2517	18-55	5	120	46	30	153	5.00
200	1	2012	15-50	4	106	32	16	172	2.51
	2	2012	15-50	4	106	32	4	172	3.27
	3	2012	15-50	6	110	32	4	173	3.93
	4	2517	18-65	6	125	45	3.5	172	4.82
	5	2517	18-65	6	120	45	9.5	173	5.20
	*6	2517	18-65	6	120	46	15	173	5.40

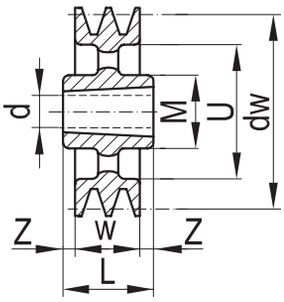


Fig. 3

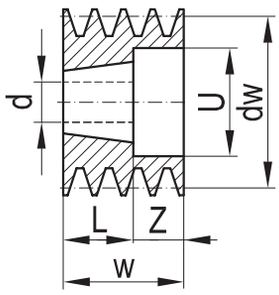


Fig. 4

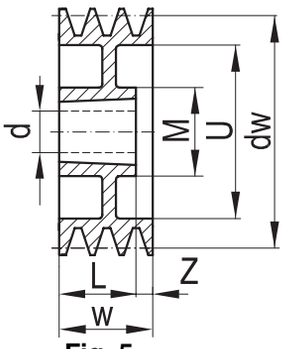


Fig. 5

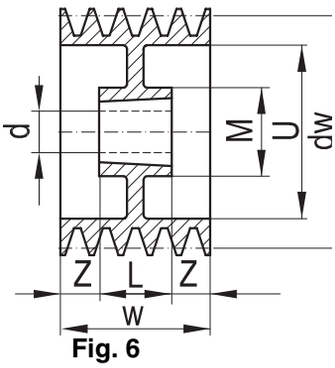


Fig. 6

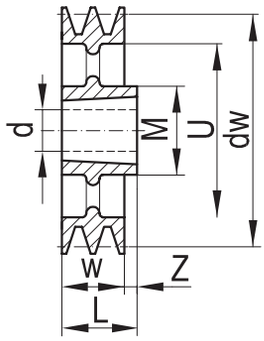


Fig. 7

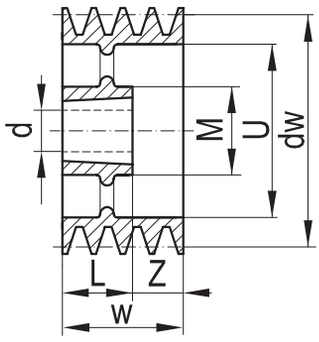


Fig. 8

“PBT” SPZ-Z-3V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
224	1	2012	15-50	3	110	32	8	197	2.78
	2	2012	15-50	4	106	32	4	195	3.80
	3	2012	15-50	5	106	32	8	195	4.60
	4	2517	18-65	5	120	45	7	197	5.56
	5	2517	18-65	5	120	45	19	197	5.90
	*6	2517	18-65	5	120	46	30	197	6.60
250	1	2012	15-50	3	110	32	8	223	3.61
	2	2012	15-50	3	110	32	2	223	3.70
	3	2012	15-50	6	106	32	4	221	4.82
	4	2517	18-65	6	125	45	3.5	221	5.96
	5	2517	18-65	6	125	45	9.5	221	7.00
	*6	2517	18-65	6	120	46	15	223	7.60
280	1	2012	15-50	3	110	32	8	253	3.18
	2	2012	15-50	7	110	32	4	253	4.20
	3	2517	18-65	7	120	45	5	253	6.66
	4	2517	18-65	8	120	45	7	253	7.30
	5	2517	18-65	8	120	45	19	253	8.84
	*6	2517	18-55	8	120	46	30	253	9.02
315	1	2012	15-50	3	110	32	8	288	3.56
	2	2012	15-50	3	110	32	2	288	4.85
	3	2517	18-65	3	120	45	2.5	288	6.34
	4	2517	18-65	9	120	45	3.5	288	7.36
	5	2517	18-65	9	120	45	9.5	288	8.26
	*6	2517	18-65	9	125	45	15.5	286	8.70
355	1	2012	15-50	3	110	32	8	328	5.46
	2	2012	15-50	7	110	32	4	328	5.95
	3	2517	18-65	3	125	45	2.5	326	9.32
	4	2517	18-65	8	120	45	7	328	8.10
	5	2517	18-65	8	120	45	19	328	14.06
	*6	2517	18-65	8	120	46	30	328	15.00

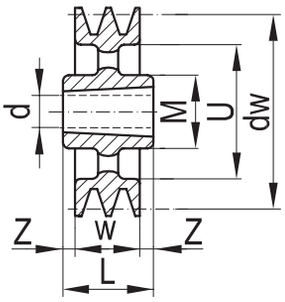


Fig. 3

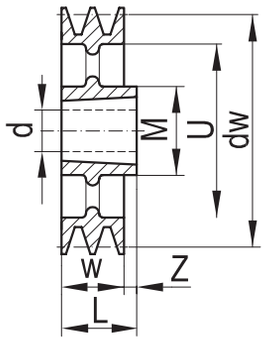


Fig. 7

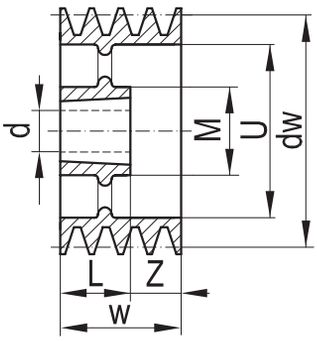


Fig. 8

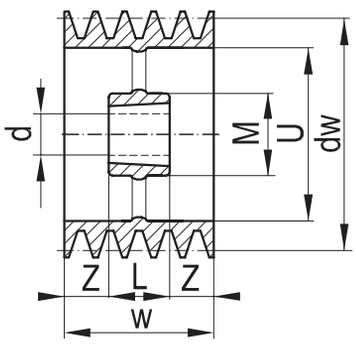


Fig. 9

"PBT" SPZ-Z-3V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
400	1	2012	15-50	3	110	32	8	373	5.52
	2	2517	18-65	3	120	45	8.5	373	7.41
	3	2517	18-65	3	120	45	2.5	373	9.81
	4	2517	18-65	9	120	45	3.5	371	10.31
	5	3020	25-75	9	146	51	6.5	373	12.62
	*6	3030	25-75	9	150	76	-	371	14.10
450	1	2517	18-65	7	120	46	29	423	6.20
	2	2517	18-65	7	120	46	17	423	8.00
	3	2517	18-65	7	120	46	5	423	11.30
	4	3020	25-75	8	146	51	1	423	16.73
	5	3020	25-75	8	146	51	13	423	17.66
	*6	3020	25-75	8	140	76	-	423	18.20
500	1	2517	18-65	7	120	46	30	473	8.84
	2	2517	18-65	3	125	45	8.5	471	10.66
	3	2517	18-65	3	120	45	2.5	473	13.82
	4	3020	25-75	9	146	51	1	473	16.58
	5	3020	25-75	9	146	51	7.5	473	17.26
	*6	3020	25-75	9	140	76	-	473	19.00
630	1	2517	18-65	7	120	46	30	603	15.60
	2	2517	18-65	7	120	46	18	603	18.90
	3	2517	18-65	3	120	46	3	603	24.50
	4	3020	25-75	9	146	51	1	603	29.38
	5	3020	25-75	9	146	51	6.5	603	30.60

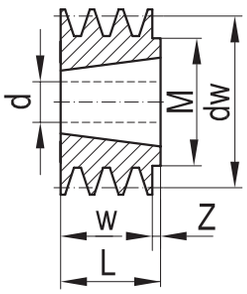


Fig. 1

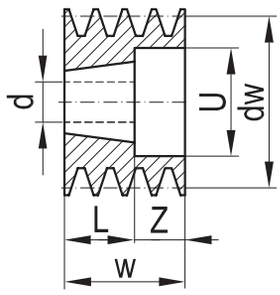


Fig. 2

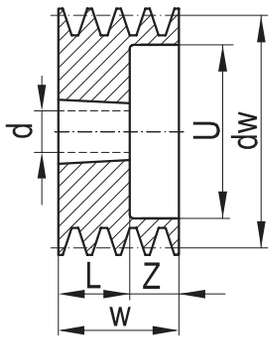


Fig. 10

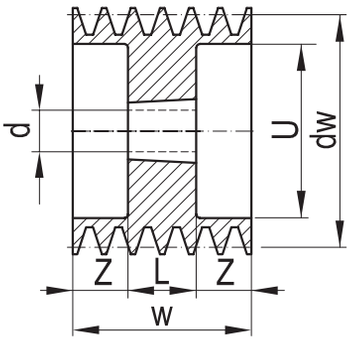


Fig. 11

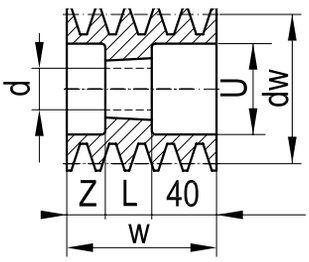


Fig. 13

“PBT” SPA-A

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
71	1	1108	11-28	1	60	22	2	-	0.08
	2	1108	11-28	10	-	22	13	40	0.08
	3	1108	9-25	10	-	22	28	40	0.08
75	1	1108	11-28	1	60	22	2	-	0.08
	2	1108	11-28	10	-	22	13	44	0.08
	3	1108	9-25	10	-	22	28	44	0.08
80	1	1210	12-32	1	84	25	5	-	0.08
	2	1210	12-32	10	-	25	10	50	0.08
	3	1210	12-32	10	-	25	25	50	0.08
85	1	1210	12-32	1	88	25	5	-	0.08
	2	1210	12-32	10	-	25	10	57	0.08
	3	1210	12-32	10	-	25	25	55	0.08
90	1	1210	12-32	1	90	25	5	-	0.73
	2	1610	12-42	10	-	25	10	60	0.90
	3	1610	12-42	10	-	25	25	55.6	1.04
	4	1610	12-42	11	-	25	20	60	1.21
95	1	1210	12-32	1	90	25	5	-	0.78
	2	1610	12-42	10	-	25	10	60.6	1.10
	3	1610	12-42	10	-	25	25	60.6	1.26
	4	1610	12-42	11	-	25	20	63	1.58
100	1	1610	12-42	1	92	25	5	-	0.84
	2	1610	12-42	2	-	25	10	65.6	1.20
	3	1610	12-42	2	-	25	25	68	1.40
	4	1610	12-42	2	-	25	40	68	1.70
	5	1610	12-42	13	-	25	15	68	2.04
106	1	1610	12-42	1	85	25	5	-	0.98
	2	1610	12-42	10	-	25	10	71.6	1.25
	3	1610	12-42	2	-	25	25	73	1.59
	4	2012	15-50	10	-	32	33	72	1.74
	5	2012	15-50	10	-	32	48	71	2.13

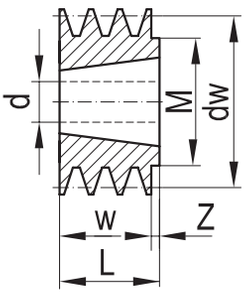


Fig. 1

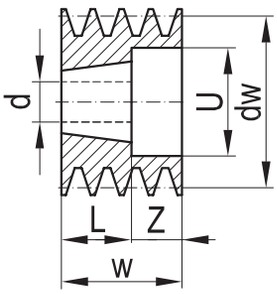


Fig. 2

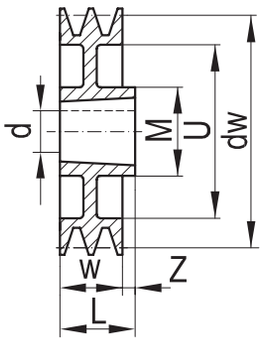


Fig. 4

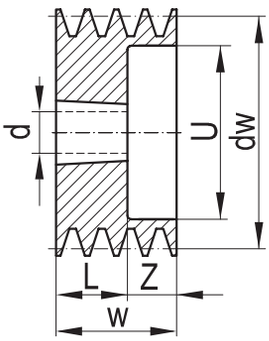


Fig. 10

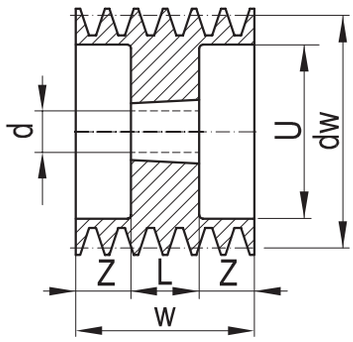


Fig. 11

"PBT" SPA-A

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
112	1	1610	12-42	1	90	25	5	-	1.14
	2	1610	12-42	2	-	25	10	77.6	1.46
	3	2012	15-50	10	-	32	18	78	1.85
	4	2012	15-50	10	-	32	33	77.6	2.02
	5	2012	15-50	10	-	32	48	77	2.38
118	1	1610	12-42	1	96.4	25	5	-	1.26
	2	1610	12-42	2	-	25	10	85.6	1.68
	3	2012	15-50	2	-	32	18	85	1.92
	4	2012	15-50	2	-	32	33	85	2.29
	5	2012	15-50	2	-	32	48	85	2.67
125	1	1610	12-42	1	92	25	20	-	1.45
	2	1610	12-42	10	-	25	10	92	1.93
	3	2012	15-50	2	-	32	18	90.6	2.28
	4	2012	15-50	2	-	32	33	90.6	2.70
	5	2012	15-50	11	-	32	24	93	3.10
132	1	1610	12-42	1	92	25	5	-	1.64
	2	2012	15-50	10	-	32	3	96	2.08
	3	2012	15-50	2	-	32	18	97.6	2.62
	4	2517	18-65	2	-	45	20	97.6	3.10
	5	2517	18-65	11	-	45	17.5	102	3.40
140	1	1610	12-42	4	92	25	5	107	1.66
	2	2012	15-50	2	-	32	3	107	2.50
	3	2517	18-65	10	-	45	5	106	3.04
	4	2517	18-65	2	-	45	20	106	3.53
	5	2517	18-65	11	-	45	17.5	108	4.20
150	1	1610	12-42	4	90	25	5	117	1.73
	2	2012	15-50	2	-	32	3	117	2.96
	3	2517	18-65	10	-	45	5	116	3.75
	4	2517	18-65	2	-	45	20	116	4.30
	5	2517	18-65	11	-	45	17.5	118	4.90

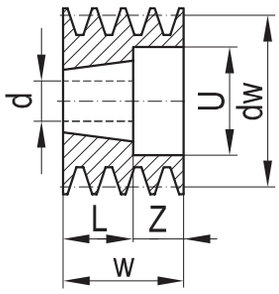


Fig. 2

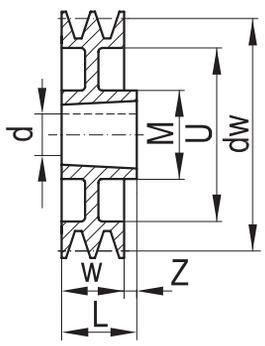


Fig. 4

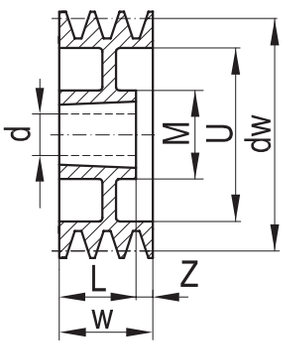


Fig. 5

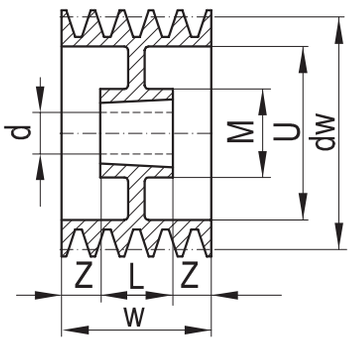


Fig. 6

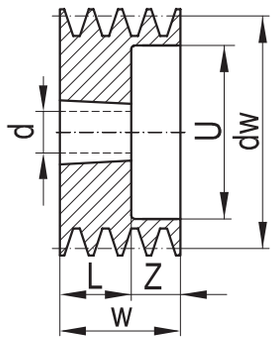


Fig. 10

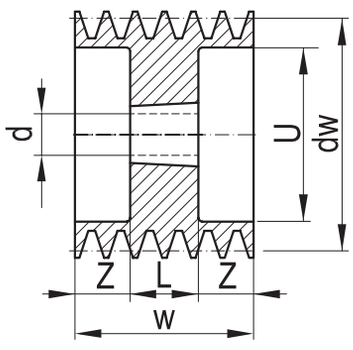


Fig. 11

"PBT" SPA-A

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
160	1	1610	12-42	4	90	25	5	127	2.02
	2	2012	15-50	5	110	32	3	127	3.28
	3	2517	18-65	10	-	45	5	126	4.55
	4	2517	18-65	2	-	45	20	126	5.08
	5	2517	18-65	11	-	45	17.5	126	5.57
170	1	1610	12-42	4	90	25	5	137	2.06
	2	2012	15-50	5	110	32	3	137	3.30
	3	2517	18-65	5	120	45	5	137	5.29
	4	2517	18-65	5	120	45	20	137	5.90
	5	2517	18-65	6	120	45	17.5	137	6.60
180	1	1610	12-42	4	92	25	5	146	2.27
	2	2012	15-50	5	110	32	3	147	3.20
	3	2517	18-65	5	120	45	5	147	4.90
	4	2517	18-65	5	120	45	20	147	5.70
	5	3020	25-75	11	-	51	14.5	148	6.78
190	1	1610	12-42	4	92	25	5	156	2.61
	2	2012	15-50	5	106	32	3	156	3.48
	3	2517	18-65	5	120	45	4	157	4.82
	4	2517	18-65	5	120	45	20	157	5.68
	5	3020	25-75	11	-	51	14.5	157	7.93
200	1	2012	15-50	4	106	32	12	166	3.16
	2	2517	18-65	4	125	45	10	166	4.70
	3	2517	18-65	5	125	45	5	166	5.36
	4	3020	25-75	5	146	51	14	167	8.20
	5	3020	25-75	6	146	51	14.5	167	8.40
224	1	2012	15-50	4	110	32	12	191	3.42
	2	2517	18-65	4	120	45	10	190	5.68
	3	2517	18-65	5	125	45	5	190	5.90
	4	3020	25-75	5	146	51	14	191	8.20
	5	3020	25-75	5	146	51	29	191	9.06

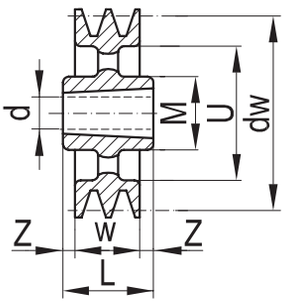


Fig. 3

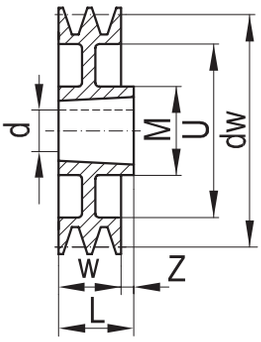


Fig. 4

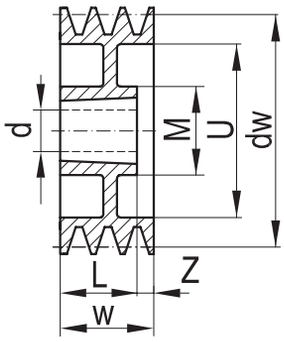


Fig. 5

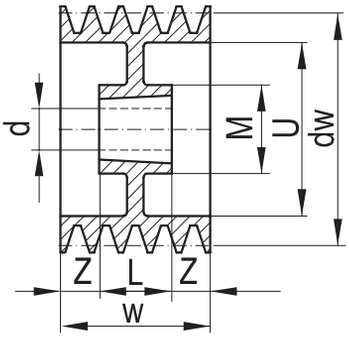


Fig. 6

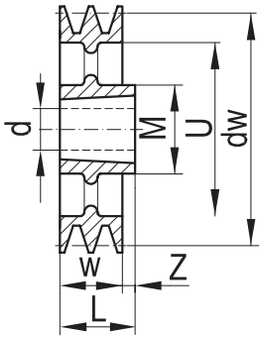


Fig. 7

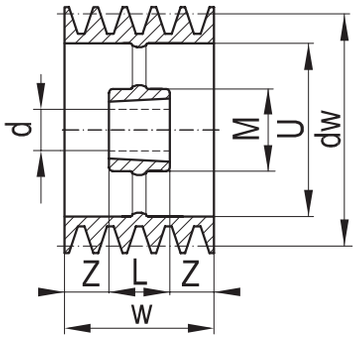


Fig. 9

"PBT" SPA-A

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
236	1	2012	15-50	4	110	32	12	203	3.64
	2	2517	18-65	4	120	45	10	203	5.09
	3	2517	18-65	5	120	45	5	203	6.30
	4	3020	25-75	6	146	51	7	203	8.24
	5	3020	25-75	6	155	51	14.5	203	9.46
250	1	2012	15-50	4	110	32	12	217	4.14
	2	2517	18-65	4	125	45	10	216	6.03
	3	2517	18-65	5	125	45	5	216	7.92
	4	3020	25-75	6	146	51	7	217	8.28
	5	3020	25-75	6	159	51	14.5	215	10.15
280	1	2012	15-50	7	110	32	10	247	4.40
	2	2517	18-65	7	120	45	10	247	6.70
	3	2517	18-65	6	125	45	2.5	246	7.90
	4	3020	25-75	6	146	51	7	247	11.15
	5	3535	45-90	4	180	89	9	245	11.20
300	1	2012	15-50	4	112	32	10	264	4.40
	2	2517	18-65	4	125	45	10	266	7.10
	3	3020	25-75	4	146	51	1	266	9.10
	4	3020	25-75	5	146	65	7	266	10.12
	5	3535	45-90	4	175	89	9	265	12.30
315	1	2012	15-50	7	110	32	10	282	4.40
	2	2517	18-65	7	120	45	10	282	6.56
	3	3020	25-75	3	146	51	0.5	282	8.56
	4	3020	25-75	9	146	51	7	282	9.64
	5	3535	45-90	4	180	89	9	280	13.00
355	1	2012	15-50	7	110	32	10	322	5.50
	2	2517	18-65	7	120	45	10	322	7.97
	3	3020	25-75	3	146	51	0.5	322	10.40
	4	3020	25-75	9	146	51	7	322	14.44
	5	3020	25-75	9	146	51	14.5	322	15.66

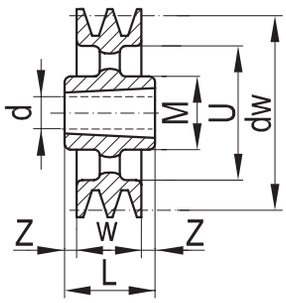


Fig. 3

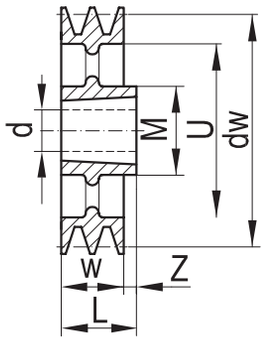


Fig. 7

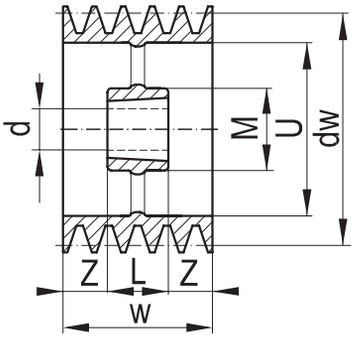


Fig. 9

"PBT" SPA-A

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
400	1	2012	15-50	7	110	32	10	367	6.72
	2	2517	18-65	7	120	45	10	367	9.08
	3	3020	25-75	3	146	51	0.5	367	12.28
	4	3020	25-75	9	146	51	7	367	15.40
	5	3535	45-90	7	180	89	9	365	17.02
450	1	2012	15-50	7	110	32	12	415	8.20
	2	2517	18-65	7	120	45	10	417	10.52
	3	3020	25-75	3	146	51	0.5	417	13.42
	4	3020	25-75	9	146	51	7	417	16.82
	5	3535	25-75	9	146	51	14.5	417	20.50
500	1	2517	18-65	7	120	45	25	467	10.48
	2	2517	18-65	7	120	45	10	467	12.90
	3	3020	25-75	3	146	51	0.5	467	16.90
	4	3020	25-75	9	146	51	7	467	19.80
	5	3535	45-90	7	180	89	9	465	23.10
560	1	2517	18-65	7	124	45	25	525	14.80
	2	3020	25-75	7	146	51	16	527	19.00
	3	3020	25-75	7	146	51	1	527	23.94
	4	3535	45-90	7	180	89	24	525	32.00
	5	3535	45-90	7	178	89	9	527	40.00
630	1	2517	18-65	7	124	45	25	595	17.00
	2	3020	25-75	7	146	51	16	597	21.52
	3	3020	25-75	7	146	51	1	597	25.78
	4	3535	45-90	7	178	89	24	596	32.78
	5	3535	45-90	7	178	89	11	597	44.60
800	2	3535	45-90	3	178	89	27	765	37.00
	3	3535	45-90	3	178	89	19.5	765	41.00
	4	3535	45-90	3	178	89	12	765	50.00
	5	4040	55-100	3	216	102	11	765	52.50
900	3	3535	45-90	3	178	89	19.5	865	46.00
	4	3535	45-90	3	178	89	12	865	59.00
	5	4040	55-100	3	216	102	11	865	66.50
1000	3	3535	45-90	7	178	91	41	967	50.00
	4	4040	55-100	7	215	101	36	967	68.00
	5	4040	55-100	7	215	101	21	967	74.00

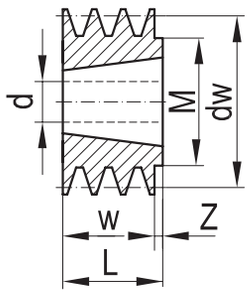


Fig. 1

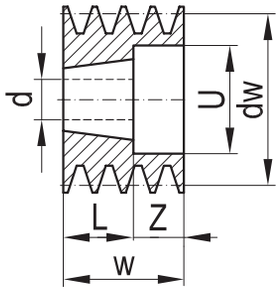


Fig. 2

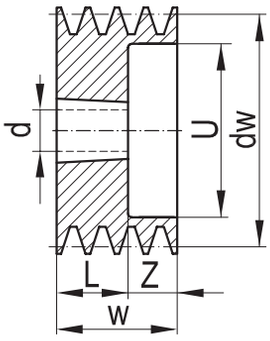


Fig. 10

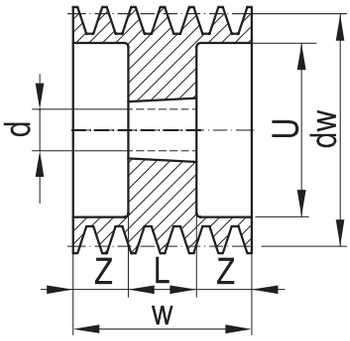


Fig. 11

"PBT" SPB-B-5V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
90	1	1210	15-50	1	-	25	-	-	0.75
	2	1210	15-50	10	-	25	19	47	1.15
	3	1210	15-50	10	-	25	38	47	1.55
100	1	1610	12-42	1	-	25	-	-	0.91
	2	1610	12-42	10	-	25	19	60	1.25
	3	1610	12-42	10	-	25	38	57	1.95
112	1	1610	12-42	1	-	25	-	-	1.15
	2	1610	12-42	2	-	25	19	69	1.68
	3	1610	12-42	10	-	25	38	69	2.25
118	1	1610	12-42	1	-	25	-	-	1.45
	2	1610	12-42	2	-	25	19	69	2.00
	3	1610	12-42	10	-	25	38	76	2.60
125	1	1610	12-42	1	-	25	-	-	1.70
	2	2012	15-50	2	-	32	12	86	2.10
	3	2012	15-50	2	-	32	31	86	2.44
	4	2012	15-50	11	-	32	25	86	2.94
132	1	1610	12-42	1	-	25	-	-	2.10
	2	2012	15-50	2	-	32	12	89	2.37
	3	2012	15-50	2	-	32	31	89	3.08
	4	2012	15-50	11		32	25	89	3.90
140	1	1610	12-42	1	-	25	-	-	2.06
	2	2012	15-50	2	-	32	12	97	2.70
	3	2012	15-50	2	-	32	31	97	3.40
	4	2517	18-65	11	-	45	18.5	102	3.80
	5	2517	18-65	11	-	45	28	102	4.50
	6	2517	18-65	11	-	45	37.5	102	5.40
150	1	1610	12-42	1	-	25	-	-	2.45
	2	2012	15-50	2	-	32	12	107	3.30
	3	2517	18-65	2	-	45	18	107	4.01
	4	2517	18-65	11	-	45	18.5	107	4.86
	5	2517	18-65	11	-	45	28	107	5.50
	6	2517	18-65	11	-	45	37.5	107	6.24
160	1	1610	12-42	1	-	25	-	-	2.87
	2	2012	15-50	2	-	32	12	120	3.86
	3	2517	18-65	2	-	45	18	120	4.96
	4	2517	18-65	11	-	45	18.5	117	5.72
	5	2517	18-65	11	-	45	28	117	6.39
	6	3020	25-75	11	-	51	34.5	123	7.22
	8	3020	25-75	11	-	51	53.5	122	7.92

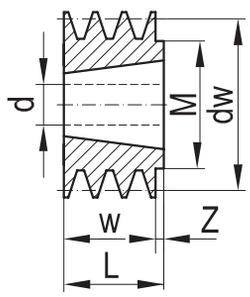


Fig. 1

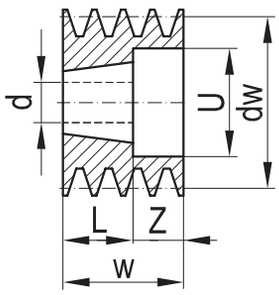


Fig. 2

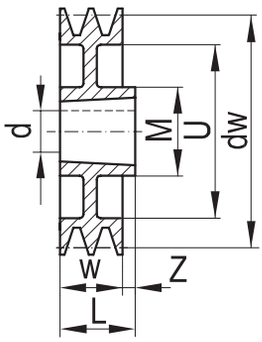


Fig. 4

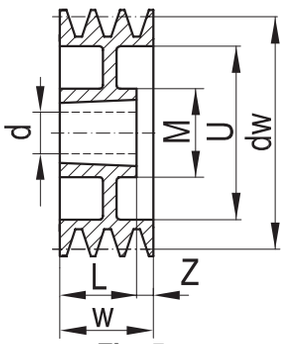


Fig. 5

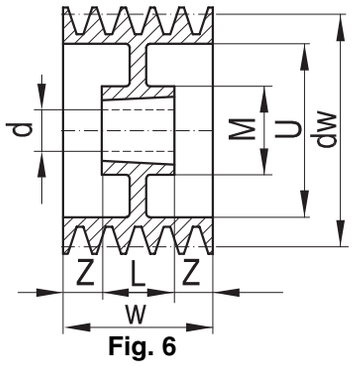


Fig. 6

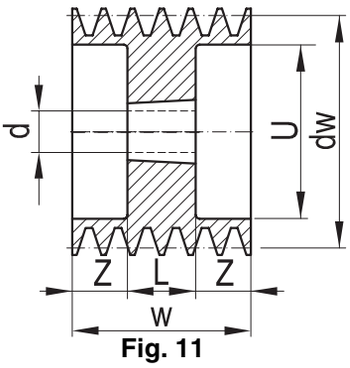


Fig. 11

"PBT" SPB-B-5V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
170	1	1610	12-42	1	-	25	-	-	3.31
	2	2012	15-50	2	-	32	12	130	4.46
	3	2517	18-65	2	-	45	18	130	5.76
	4	2517	18-65	11	-	45	18.5	127	6.80
	5	3020	25-75	11	-	51	25	127	6.60
	6	3020	25-75	11	-	51	34.5	127	7.64
	8	3020	25-75	11	-	51	53.5	130	9.18
180	1	1610	12-42	1	-	25	-	-	3.98
	2	2517	18-65	4	120	45	1	140	4.86
	3	2517	18-65	5	120	45	18	140	5.86
	4	2517	18-65	6	120	45	18.5	140	7.66
	5	3020	25-75	11	-	51	25	142	7.80
	6	3020	25-75	11	-	51	34.5	137	8.52
	8	3020	25-75	11	-	51	53.5	140	9.94
190	1	2012	15-50	1	112	32	7	-	4.10
	2	2517	18-65	4	120	45	1	150	4.92
	3	2517	18-65	5	120	45	18	150	5.96
	4	2517	18-65	6	120	45	18.5	150	8.68
	5	3020	25-75	11	-	51	25	147	9.00
	6	3020	25-75	11	-	51	34.5	147	9.80
	8	3020	25-75	11	-	51	53.5	150	13.50
200	1	2012	15-50	4	106	32	7	157	4.10
	2	2517	18-65	4	120	45	1	160	5.30
	3	2517	18-65	5	120	45	18	160	6.35
	4	3020	25-75	6	146	51	15.5	160	9.45
	5	3020	25-75	6	146	51	25	160	10.52
	6	3020	25-75	6	146	51	34.5	160	11.00
	8	3535	45-90	11	-	89	34.5	160	15.28
212	2	2517	18-65	4	125	45	1	169	5.84
	3	2517	18-65	5	125	45	18	169	6.90
	4	3020	25-75	6	146	51	15.5	172	9.56
	5	3020	25-75	6	146	51	25	172	10.52
	6	3535	45-90	11	-	89	15.5	169	15.55
	8	3535	45-90	11	-	89	34.5	173	17.90

Transmission coupler

Organs de trasmission

Organi di trasmissione

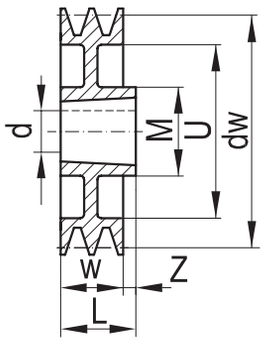


Fig. 4

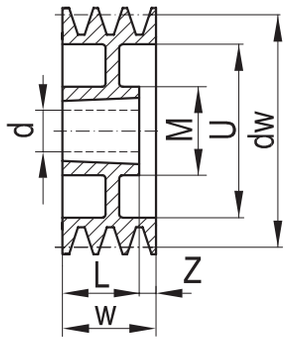


Fig. 5

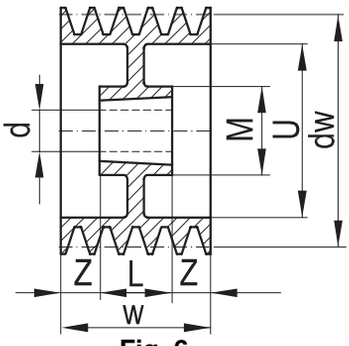


Fig. 6

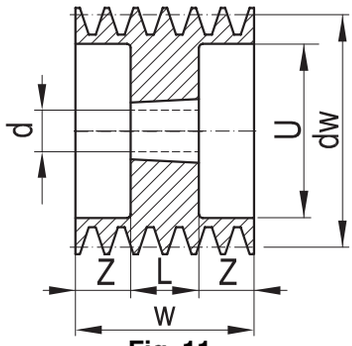


Fig. 11

"PBT" SPB-B-5V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
224	2	2517	18-65	4	125	44	1	181	5.94
	3	2517	18-65	5	125	46	18	181	7.38
	4	3020	25-75	6	146	51	15.5	184	9.56
	5	3020	25-75	6	146	51	25	184	12.38
	6	3535	45-90	11	-	89	15.5	181	17.00
	8	3535	45-90	11	-	89	34.5	185	20.62
236	2	2517	18-65	4	125	45	2	193	6.90
	3	2517	18-65	6	120	45	9	196	7.81
	4	3020	25-75	6	146	51	15.5	196	10.00
	5	3535	45-90	11	-	89	6	196	19.30
	6	3535	45-90	11	-	89	15.5	193	20.12
	8	3535	45-90	11	-	89	34.5	197	23.82
250	2	2517	18-65	4	125	46	1	207	6.90
	3	3020	25-75	5	146	51	12	207	9.04
	4	3020	25-75	6	146	51	15.6	210	11.10
	5	3535	45-90	6	178	89	6	210	19.63
	6	3535	45-90	6	178	89	15.5	210	21.00
	8	3535	45-90	6	178	89	34.5	210	24.62
280	2	2517	18-65	4	125	45	1	237	8.46
	3	3020	25-75	6	146	51	6	237	11.00
	4	3020	25-75	6	146	51	15.5	237	12.76
	5	3535	45-90	6	175	89	6	237	19.63
	6	3535	45-90	6	175	89	15.5	237	22.12
	8	3535	45-90	6	175	89	34.5	237	24.86
300	2	2517	18-65	4	125	45	1	257	9.19
	3	3020	25-75	6	146	51	6	257	14.94
	4	3535	45-90	4	175	89	7	257	21.16
	5	3535	45-90	5	178	89	12	260	24.10
	6	3535	45-90	5	178	89	31	260	27.44
	8	3535	45-90	6	178	89	34.5	260	25.24
315	2	2517	18-65	4	120	45	1	275	9.76
	3	3020	25-75	6	146	51	6	272	12.34
	4	3535	45-90	4	175	89	7	272	19.82
	5	3535	45-90	5	178	89	12	275	21.52
	6	3535	45-90	6	175	89	15.5	272	24.60
	8	3535	45-90	6	175	89	34.5	272	28.52

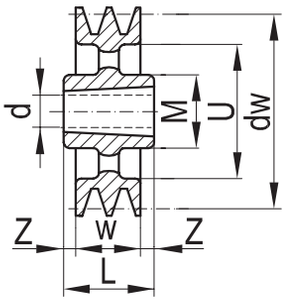


Fig. 3

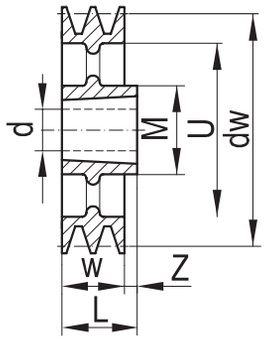


Fig. 7

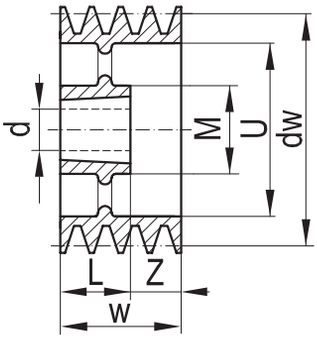


Fig. 8

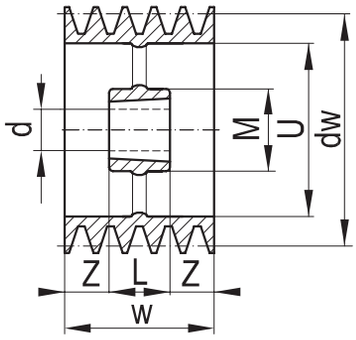


Fig. 9

"PBT" SPB-B-5V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
355	2	3020	25-75	3	146	51	3.5	315	10.37
	3	3020	25-75	9	146	51	6	315	13.10
	4	3535	45-90	7	178	89	7	315	20.48
	5	3535	45-90	8	178	89	12	315	24.20
	6	3535	45-90	8	178	89	31	315	27.00
	8	3535	45-90	9	178	89	34.5	315	32.02
400	2	3020	25-75	3	146	51	3.5	360	11.50
	3	3535	45-90	7	178	89	26	360	19.64
	4	3535	45-90	7	178	89	7	360	22.24
	5	3535	45-90	8	178	89	12	360	25.61
	6	3535	45-90	8	178	89	31	360	28.30
	8	4040	55-100	9	245	102	28	360	34.70
450	2	3020	25-75	7	146	51	7	410	14.50
	3	3535	45-90	7	178	89	26	410	22.94
	4	3535	45-90	7	178	89	7	410	25.70
	5	3535	45-90	8	178	89	12	410	29.00
	6	4040	55-100	8	215	102	18	410	37.80
	8	4040	55-100	9	215	102	28	410	41.35
500	2	3020	25-75	3	146	51	3.5	460	16.28
	3	3535	45-90	7	178	89	26	460	24.00
	4	3535	45-90	7	178	89	7	460	29.00
	5	3535	45-90	8	178	89	12	460	33.80
	6	4040	55-100	8	215	102	18	460	41.50
	8	4040	55-100	9	215	102	28	460	48.00
560	2	3020	25-75	7	146	51	7	520	24.72
	3	3535	45-90	7	178	89	26	520	33.70
	4	3535	45-90	7	178	89	7	520	40.62
	5	3535	45-90	8	178	89	12	520	48.50
	6	4040	55-100	8	215	102	18	520	57.00
	8	4040	55-100	9	215	102	28	520	71.20
630	2	3535	45-90	7	178	89	45	590	27.00
	3	3535	45-90	7	178	89	26	590	33.04
	4	3535	45-90	7	178	89	7	590	41.50
	5	4040	55-100	7	215	102	1	590	53.00
	6	4040	55-100	8	215	102	18	590	62.00
	8	5050	70-125	9	267	127	15.5	590	90.00
710	2	3535	45-90	7	178	91	47	670	32.00
	3	3535	45-90	7	178	91	28	670	39.20
	4	3535	45-90	7	178	91	9	670	57.00
	5	4040	55-100	8	215	101	-	670	62.00
	6	4040	55-100	8	215	101	19	670	63.00
	8	5050	70-125	9	267	126	16	670	91.00

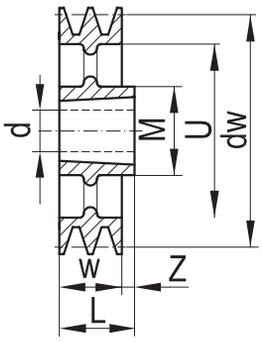


Fig. 7

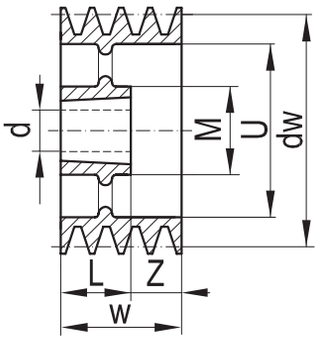


Fig. 8

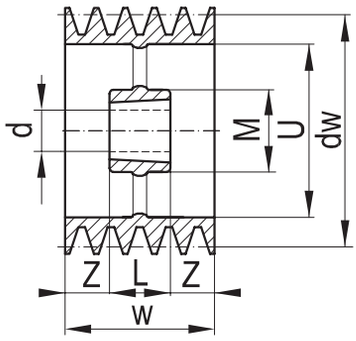


Fig. 9

"PBT" SPB-B-5V

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
800	2	3535	45-90	7	178	91	47	760	50.50
	3	3535	45-90	7	178	91	28	760	47.00
	4	4040	55-100	7	215	101	19	760	68.00
	5	4040	55-100	8	215	101	-	760	75.50
	6	4040	55-100	8	215	101	19	760	93.00
	8	5050	70-125	9	267	126	16	760	98.00
900	3	3535	45-90	7	178	91	28	860	79.00
	4	4040	55-100	7	215	101	19	860	83.00
	5	4040	55-100	8	215	101	-	860	85.00
	6	4040	55-100	8	215	101	19	860	100.00
	8	5050	70-125	9	267	126	16	860	118.00
1000	3	4040	55-100	7	215	101	38	958	80.00
	4	4040	55-100	7	215	101	19	958	83.00
	5	4040	55-100	8	215	101	-	958	88.00
	6	4040	55-100	8	215	101	19	958	115.00
	8	5050	70-125	9	267	126	16	958	137.00
1250	3	4040	55-100	7	215	101	38	1208	108.00
	4	4040	55-100	7	215	101	19	1208	117.00
	5	4040	55-100	8	215	101	-	1208	132.00
	6	5050	70-125	7	267	126	6	1208	150.00
	8	5050	70-125	9	267	126	16	1208	173.00

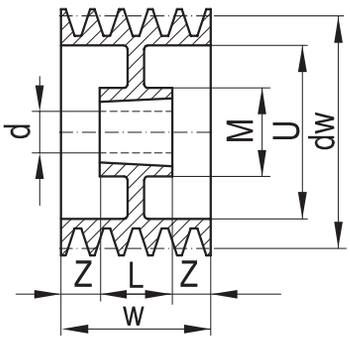


Fig. 6

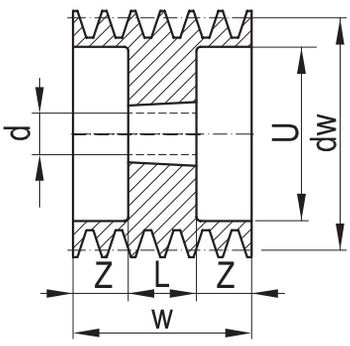


Fig. 11

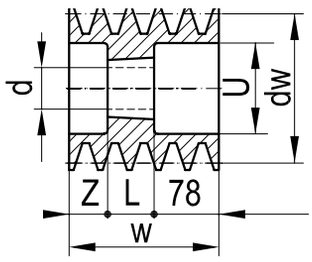


Fig. 13

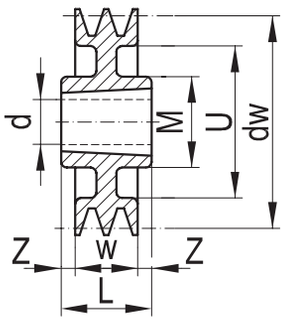


Fig. 14

"PBT" SPC-C

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
224	3	3020	25-75	11	-	51	17	173	12.00
	4	3020	25-75	11	-	51	29.75	173	15.00
	5	3535	45-90	11	-	89	23.5	173	19.50
	6	3535	45-90	11	-	89	36.25	173	24.00
	8	3535	45-90	13	-	89	45.5	173	26.32
236	3	3020	25-75	11	-	51	17	180	14.00
	4	3535	45-90	11	-	89	10.75	180	19.50
	5	3535	45-90	11	-	89	23.5	180	21.74
	6	3535	45-90	11	-	89	36.25	180	24.38
	8	3535	45-90	13	-	89	45.5	184	29.64
250	3	3020	25-75	6	146	51	17	192	15.00
	4	3535	45-90	11	-	89	10.75	198	24.00
	5	3535	45-90	11	-	89	23.5	198	25.60
	6	3535	45-90	11	-	89	36.25	198	28.58
	8	3535	45-90	11	-	89	61.75	198	33.80
265	3	3020	25-75	6	146	51	17	207	15.00
	4	3535	45-90	6	178	89	10.75	207	26.00
	5	3535	45-90	6	178	89	23.5	207	38.36
	6	3535	45-90	6	178	89	36.25	207	31.70
	8	3535	45-90	6	178	89	61.75	207	37.66
280	3	3020	25-75	6	146	51	17	222	16.00
	4	3535	45-90	6	175	89	10.75	228	31.00
	5	3535	45-90	6	178	89	23.5	222	31.00
	6	3535	45-90	6	175	89	36.25	228	33.00
	8	4040	55-100	11	-	102	55.25	228	41.60
300	3	3535	45-90	14	175	89	2	247	25.00
	4	3535	45-90	6	175	89	10.75	244	32.00
	5	3535	45-90	6	175	89	23.5	247	32.00
	6	3535	45-90	6	175	89	36.25	247	33.30
	8	4040	55-100	6	215	102	55.25	242	47.00
315	3	3535	45-90	14	175	89	2	264	25.00
	4	3535	45-90	6	175	89	10.75	264	32.00
	5	3535	45-90	6	175	89	23.5	262	30.00
	6	4040	55-100	6	215	102	29.75	257	45.50
	8	4040	55-100	6	215	102	55.25	257	47.00
335	3	3535	45-90	14	175	89	2	282	25.00
	4	3535	45-90	6	175	89	10.75	282	32.00
	5	3535	45-90	6	175	89	23.5	282	34.32
	6	4040	55-100	6	215	102	29.75	277	45.00
	8	4040	55-100	6	210	102	55.25	282	50.50
355	3	3535	45-90	14	175	89	2	302	25.00
	4	3535	45-90	6	175	89	10.75	299	32.00
	5	4040	55-100	6	215	102	17	297	39.00
	6	4040	55-100	6	215	102	29.75	297	45.00
	8	4040	55-100	6	210	102	55.25	297	55.00

Transmission coupler

Organs de trasmission

Organi di trasmissione

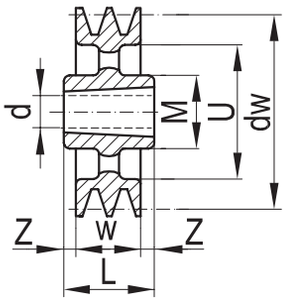


Fig. 3

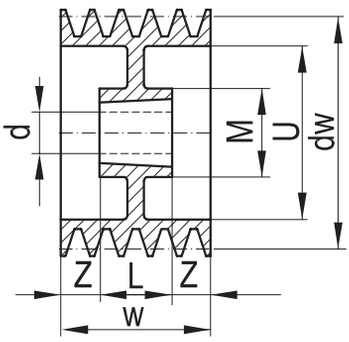


Fig. 6

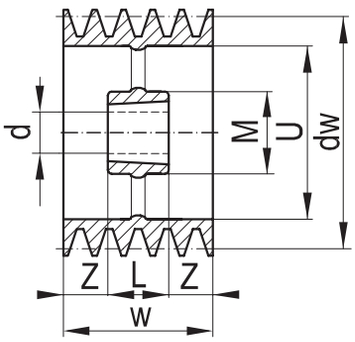


Fig. 9

"PBT" SPC-C

dw [mm]	N° Grooves *Gorges* Gole	TB	min÷max d [mm]	fig.	M [mm]	L [mm]	Z [mm]	U [mm]	[kg]
400	3	3535	45-90	3	178	89	2	342	33.00
	4	3535	45-90	9	178	89	10.75	342	34.00
	5	4040	55-100	9	215	102	17	342	45.50
	6	4040	55-100	9	215	102	29.75	342	47.00
	8	5050	70-125	6	267	127	42.75	342	76.00
450	3	3535	45-90	3	178	89	2	392	33.00
	4	3535	45-90	9	178	89	10.75	392	38.50
	5	4040	55-100	9	215	102	17	392	54.50
	6	4040	55-100	9	215	102	29.25	392	61.00
	8	5050	70-125	6	265	127	43.25	394	84.00
500	3	3535	45-90	3	178	89	2	442	40.00
	4	4040	55-100	9	215	102	4.25	442	53.50
	5	4040	55-100	9	215	102	17	442	60.00
	6	4040	55-100	9	215	102	29.75	442	69.00
	8	5050	70-125	9	267	127	42.75	442	90.00
560	3	3535	45-90	3	178	89	2	502	45.00
	4	4040	55-100	9	215	102	4.25	502	61.00
	5	4040	55-100	9	215	102	17	502	64.00
	6	5050	70-125	9	267	127	17.25	502	86.00
	8	5050	70-125	9	267	127	42.75	502	107.00
630	3	4040	55-100	3	215	102	8.5	572	57.00
	4	4040	55-100	9	215	102	4.25	572	68.00
	5	5050	70-125	9	267	127	4.5	572	90.80
	6	5050	70-125	9	265	127	17.75	575	100.00
	8	5050	70-125	9	267	127	42.75	572	114.00
710	3	4040	55-100	3	215	101	8	652	67.00
	4	4040	55-100	9	215	101	4.75	652	80.00
	5	5050	70-125	9	267	126	5	652	101.00
	6	5050	70-125	9	267	126	17.75	652	115.00
	8	5050	70-125	9	267	126	43.25	652	138.50
800	3	4040	55-100	3	215	101	8	742	82.00
	4	5050	70-125	3	267	126	7.75	742	120.00
	5	5050	70-125	9	267	126	5	742	132.00
	6	5050	70-125	9	267	126	17.75	742	136.00
	8	5050	70-125	9	267	126	43.25	742	154.00
1000	3	4040	55-100	3	215	101	8	942	110.00
	4	5050	70-125	3	267	126	7.75	942	139.00
	5	5050	70-125	9	267	126	5	942	133.00
	6	5050	70-125	9	267	126	17.75	942	158.00
	8	5050	70-125	9	265	127	42.75	937	206.00
1250	3	5050	70-125	3	267	126	20.5	1190	138.00
	4	5050	70-125	3	267	126	7.75	1190	184.00
	5	5050	70-125	9	267	126	5	1190	192.00
	6	5050	70-125	9	267	126	17.75	1190	212.00
	8	5050	70-125	9	267	126	43.25	1190	274.00

Taper lock bushing
Moyeux amovibles
Bussole coniche

Taper lock bush is designed to give the following:
1) perfect assembly;
2) rapid dismantling of the pulley and other transmission equipment;
3) no special tools requirement except hezagonal key.
The large range of finished bores available ensures that and immediate assembly can be made thus avoiding costly factory down-time.
The bushes are machined with keyways in accordance with UNI and DIN specifications. This is in addition to clamping screws which, in many cases, are sufficient to meet the required torque.
Fastening by bushes allows the removal of any clearance between hub and bore so that fretting corrosion is positively eliminated. Bushes are interchangeable with all similar types sold throughout the world.

Le moyeu amovible permet un montage techniquement parfait et un démontage rapide des poulies (ainsi que de nombreux organes de transmission) à l'aide uniquement d'une clef hexagonale. La gamme étendue des trous finis disponibles permet un montage immédiat et économique.
Les moyeux amovibles sont prévus avec rainures de clavettes aux normes DIN et UNI; pour de faibles puissance le serrage du moyeu sur l'arbre est suffisant pour transmettre le couple. Le montage à l'aide des moyeux amovibles permet d'éliminer le jeu entre l'arbre et le trou, ce qui évite la formation de rouille de contact (fretting corrosion).
Les moyeux amovibles sont interchangeables avec tous les types de moyeux amovibles analogues répandus dans le monde entier.

La bussola conica permette un montaggio tecnicamente perfetto e lo smontaggio delle pulegge (e anche di numerosi organi di trasmissione) in un tempo molto breve e senza l'uso di attrezzi particolari oltre ad una chiave esagonale.
L'ampia gamma di fori finiti disponibili assicura un immediato montaggio senza attendere le lavorazioni di officina interne od esterne ed il costo relativo.
Le bussole sono finite all'interno di cava per chiavetta secondo le norme DIN e UNI, anche se in moltissimi casi basta la pressione esercitata dal serraggio dei grani per trasmettere la coppia richiesta. Il fissaggio mediante bussole coniche permette di eliminare ogni gioco tra albero e foro, in modo tale da evitare definitivamente la formazione di ruggine di contatto (fretting corrosion).
La bussola conica è intercambiabile con i tipi di bussola analoghi diffusi in tutto il mondo.

Type *Type* Tipo	**Diameter of the bore** *Diamètre des trous* Diametro del foro		**Bush** *Moyeu* Bussola		**Screws** *Vis* Viti				
			Leng. *Long.* Lung. **[mm]**	**Max. diam.**	**n°**	**Withworth**	**Leng.** *Long.* Lung. **[mm]**	**Set screw wrench type** *Type clef hexag* Chiave tipo esag.	**Ms [Nm]**
1008 (25.20)	mm inches	9 10 11 12 14 15 16 18 19 20 22 **24* 25*** 3/8 1/2 5/8 3/4 7/8 **1***	22.3	35	2	1/4	13	3	5.5
1108 (28.20)	mm inches	9 10 11 12 14 15 16 17 18 19 20 22 24 25 26 **27 28*** 3/8 1/2 5/8 3/4 7/8 1 **$1_{1/8}$**	22.3	38	2	1/4	13	3	5.5
1210 (30.25)	mm inches	11 12 14 15 16 18 19 20 22 24 25 26 28 **30 32** 1/2 5/8 3/4 7/8 1 $1_{1/8}$ **$1_{1/4}$** **$1_{1/2}$**	25.4	47	2	3/8	16	5	20
1215 (30.40)	mm inches	11 12 14 15 16 18 19 20 22 24 25 26 28 **30 32** 1/2 5/8 3/4 7/8 1 $1_{1/8}$ **$1_{1/4}$**	38.1	47	2	3/8	16	5	20
1310 (35.25)	mm inches	12 14 15 16 18 19 20 22 24 25 28 30 32 **35*** 1/2 5/8 3/4 7/8 1 $1_{1/8}$ $1_{1/4}$ **$1_{3/8}$**	25.4	52	2	3/8	16	5	20
1610 (40.25)	mm inches	12 14 15 16 18 19 20 22 24 25 26 28 30 32 35 38 **40 42** 3/8 1/2 5/8 3/4 7/8 1 $1_{1/8}$ $1_{1/4}$ $1_{3/8}$ $1_{1/2}$ **$1_{5/8}$**	25.4	57	2	3/8	16	5	20
1615 (40.40)	mm inches	12 14 15 16 18 19 20 22 24 25 28 30 32 35 38 **40 42*** 1/2 5/8 3/4 7/8 1 $1_{1/8}$ $1_{1/4}$ $1_{3/8}$ $1_{1/2}$ **$1_{5/8}$*** **$1_{3/4}$ ***	38.1	57	2	3/8	16	5	20
2012 (50.30)	mm inches	14 15 16 18 19 20 22 24 25 26 28 30 32 35 38 40 42 45 48 **50** 5/8 3/4 7/8 1 $1_{1/8}$ $1_{1/4}$ $1_{3/8}$ $1_{1/2}$ $1_{5/8}$ $1_{3/4}$ $1_{7/8}$ **2**	31.8	70	2	7/16	22	5	20

Transmission coupler
Organs de trasmission
Organi di trasmissione

Type *Type* Tipo		**Diameter of the bore** *Diamètre des trous* Diametro del foro	**Bush** *Moyeu* Bussola		**Screws** *Vis* Viti				
			Leng. *Long.* Lung. **[mm]**	**Max. diam.**	**n°**	**Withworth**	**Leng.** *Long.* Lung. **[mm]**	**Set screw wrench type** *Type clef hexag* Chiave tipo esag.	**Ms [Nm]**
2517 (65.45)	mm inch	16 18 19 20 22 24 25 28 30 32 35 38 40 42 45 48 50 55 **60 65*** 3/4 7/8 1 $1_{1/8}$ $1_{1/4}$ $1_{3/8}$ $1_{1/2}$ $1_{5/8}$ $1_{3/4}$ $1_{7/8}$ 2 $2_{1/8}$ $2_{1/4}$ $2_{3/8}$ $2_{1/2}$	44.5	85	2	1/2	25	6	50
3020 (75.50)	mm inch	22 25 28 30 32 35 38 40 42 45 48 50 55 57 60 65 70 **75** $1_{1/4}$ $1_{3/8}$ $1_{1/2}$ $1_{5/8}$ $1_{3/4}$ $1_{7/8}$ 2 $2_{1/8}$ $2_{1/4}$ $2_{3/8}$ **$2_{1/2}$ $2_{5/8}$ $2_{3/4}$ $2_{7/8}$ 3**	50.8	108	2	5/8	32	8	90
3030 (75.75)	mm inch	25 28 30 32 35 38 40 42 45 47 48 50 55 57 60 65 70 **75** $1_{1/4}$ $1_{3/8}$ $1_{1/2}$ $1_{5/8}$ $1_{3/4}$ $1_{7/8}$ 2 $2_{1/8}$ $2_{1/4}$ $2_{3/8}$ **$2_{1/2}$ $2_{5/8}$ $2_{3/4}$ $2_{7/8}$ 3**	76.2	108	2	5/8	32	8	90
3535 (90.90)	mm inch	25 28 30 32 35 38 40 42 45 48 50 55 60 65 70 75 80 85 90 $1_{1/2}$ $1_{5/8}$ $1_{3/4}$ $1_{7/8}$ 2 $2_{1/8}$ $2_{1/4}$ $2_{3/8}$ $2_{1/2}$ $2_{5/8}$ $2_{3/4}$ $2_{7/8}$ 3 $3_{1/8}$ $3_{1/4}$ $3_{3/8}$ **$3_{1/2}$***	88.9	127	3	1/2	38	10	115
4040 (100.100)	mm inch	40 42 45 48 50 55 60 65 70 75 80 85 90 95 100 $1_{3/4}$ 2 $2_{1/2}$ $2_{3/4}$ $3_{1/2}$ $3_{3/4}$* 4*	101.6	146	3	5/8	44	14	170
4545 (115.115)	mm inch	55 60 65 70 75 80 85 90 95 100 105 110 3 **$3_{1/2}$ 4**	114.3	162	3	3/4	51	14	195
5050 (125.125)	mm inch	50 60 65 70 75 80 85 90 95 100 105 110 115 120 125 $3_{1/2}$ 4	127	178	3	7/8	57	17	275

Bore diameters in bold type are made in steel instead of cast iron.

Les diamètres des trous imprimés en caractères gras sont construits en acier, les autres types sont normalement fournis en fonte.

I diametri dei fori in grassetto indicano bussole costruite in acciaio, le altre sono in ghisa.

Ms = screw tightening torque

Ms = couple de serrage des vis

Ms = coppia di serraggio viti

*** = reduced keyway**

** = rainures réduites*

* = chiavetta ridotta

Keyway, *Rainures,* Chiavetta
UNI 6604-69 / DIN 6885

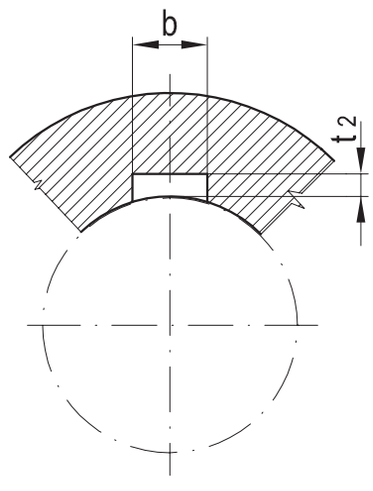
Bore diameter *Diamètre du trou* Diametro del foro **[mm]**	**b [mm]**	**t_2 [mm]**	**Bore diameter** *Diamètre du trou* Diametro del foro **[inches]**	**b [inches]**	**t_2 [inches]**
9 ÷ 10	3	1,4	3/8 - 1/2	1/8	1/16
11 ÷ 12	4	1,8	9/16 - 3/4	3/16	3/32
13 ÷ 17	5	2,3	13/16 - 1	1/4	1/8
18 ÷ 22	6	2,8	1 1/6 - 1 1/4	5/16	1/8
23 ÷ 30	8	3,3	1 5/16 - 1 1/2	3/8	1/8
31 ÷ 38	10	3,3	1 5/8 - 1 3/4	7/16	5/32
39 ÷ 44	12	3,3	1 7/8 - 2	1/2	5/32
45 ÷ 50	14	3,8	2 1/8 - 2 1/2	5/8	7/32
51 ÷ 58	16	4,3	2 5/8 - 3	3/4	1/4
59 ÷ 65	18	4,4	3 1/8 - 3 1/2	7/8	5/16
66 ÷ 75	20	4,9	3 3/4 - 4	1	3/8
76 ÷ 85	22	5,4			
86 ÷ 95	25	5,4			
96 ÷ 110	28	6,4			
111 ÷ 130	32	7,4			

Reduced keyway only when the undermentioned bores are the maximum bores and only in the bushing types shown in table.
Rainures réduites pour les trous maxi, uniquement pour les moyeux reportés ci-dessous.
Sedi chiavetta ribassata solo per i fori massimi ed esclusivamente nelle bussole riportate in tabella.

Bore diameter *Diamètre du trou* Diametro del foro	**Bushing type** Moyeu type Tipo di bussola conica	**b** **[mm]**	**t_2** **[mm]**
24 - 25	1008	8	1,3
28	1108	8	1,3
35	1310	10	1,3
42	1615	12	2,2
65	2517	18	3,3
Bore diameter *Diamètre du trou* Diametro del foro	**Bushing type** *Moyeu type* Tipo di bussola conica	**b** **[inches]**	**t_2** **[inches]**
1	1008	1/4	1/16
1 1/8	1108	5/16	5/64
1 5/8 - 1 3/4	1615	7/16	1/8
3 1/2	3535	7/8	1/4
3 3/4 - 4	4040	1	1/4

Keyway on taper bush (B.S. 46)
Rainures des moyeux amovibles (B.S. 46)
Sedi chiavetta su bussole (B.S. 46)

Bore diameter *Diamètre du trou* Diametro foro **[inches]**	**b** **[inches]**	**t_2** **[inches]**
3/8 ÷ 1/2	1/8	1/16
9/16 ÷ 3/4	3/16	3/32
13/16 ÷ 1	1/4	1/8
1/16 ÷ 1 1/4	5/16	1/8
1 5/16 ÷ 1 1/2	3/8	1/8
1 5/8 ÷ 1 3/4	7/16	5/32
1 7/8 ÷ 2	1/2	5/32
2 1/8 ÷ 2 1/2	5/8	7/32
2 5/8 ÷ 3	3/4	1/4
3 1/8 ÷ 3 1/2	7/8	5/16
3 3/4 ÷ 4	1	3/8
4 1/4 ÷ 5	1 1/4	7/16



Assembly and dismantling of conical bushing

- **Before fitting the bushing, carefully clean the bore and conical parts.**
- **Fit the bushing into the pulley, taking care to let the threaded half-holes of the pulley coincide with the unthreaded holes of the bushing.**
- **Hand tighten the screws.**
- **Fit the pulley to the hub after carefully cleaning it. Position it and tighten the screws alternately.**
- **Dismantling: remove screws and replace one screw in the jacking hole provided an tighten until hub is released.**

NOTE - Ensure that the key does not bottom in the keyway. Clearance is recommended in the keyway bottom.

Montage et démontage des moyeux amovibles

- *Avant de placer le moyeu amovible dans la poulie, nettoyer soigneusement son logement et le trou.*
- *Placer le moyeu amovible dans la poulie, en faisant attention de faire coïncider les demi-trous filetés de la poulie avec les demi trous non filetés du moyeu amovible.*
- *Engager les vis a la main sans les serrer.*
- *Présenter le tout sur l'arbre, après l'avoir nettoyé soigneusement, mettre en position et serrer les vis alternativement.*
- *Pour démonter: Retirer les vis et engager l'une d'elles dans le trou libre en vissant à fond jusqu'à déblocage du moyeu.*

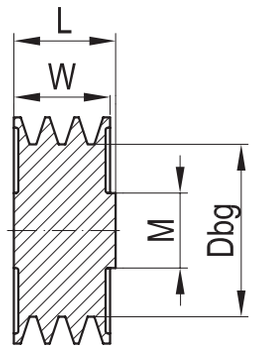
N.B. - Le sommet de la clavette ne doit pas être en contact avec le fond de son logement dans le moyeu - vérifier qu'il reste un jeu.

Montaggio e smontaggio delle bussole coniche

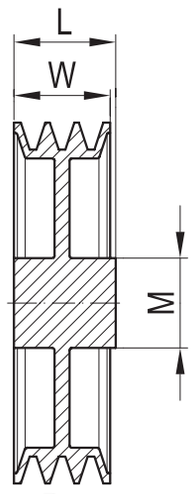
- Prima di collocare la bussola nella puleggia pulire accuratamente le parti coniche ed il foro.
- Inserire la bussola nella puleggia, avendo cura di far coincidere i semifori filettati della puleggia con i semifori non filettati della bussola.
- Avvitare a mano i grani senza serrarli.
- Inserire il tutto sull'albero, dopo averlo pulito accuratamente, posizionare e serrare le viti alternativamente.
- Per smontare: svitare le viti e inserirne una nel foro libero, avvitando a fondo sino allo sblocco del mozzo.

NOTA - Porre la massima attenzione affinchè il dorso della chiavetta non venga a contatto con il fondo della cava, ma rimanga invece sempre un certo gioco.

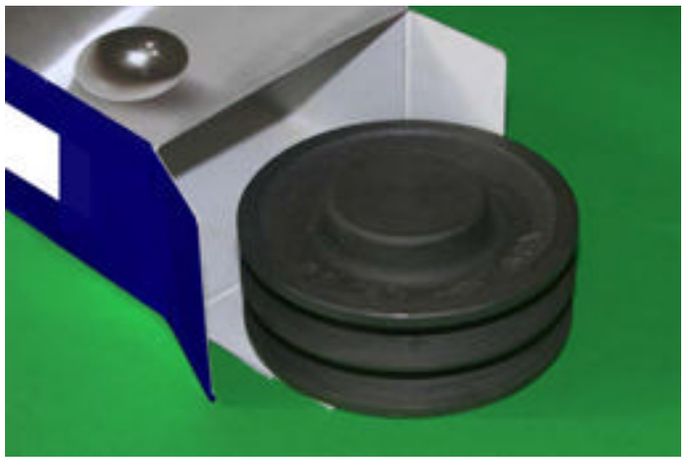
PT pulley
Poulies PT
Pulegge PT



P



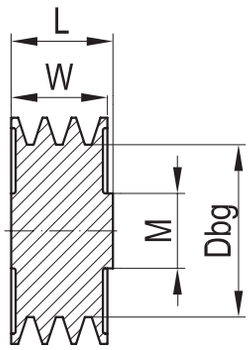
D



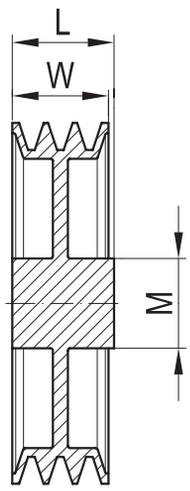
“PT” SPZ-Z-3V

Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
50	1	P	32 (Dbg=32)	28
	2	P	35 (Dbg=32)	35
	3	P	35 (Dbg=32)	44
	4	P	35 (Dbg=32)	56
56	1	P	32 (Dbg=38)	28
	2	P	40 (Dbg=38)	35
	3	P	42 (Dbg=38)	44
	4	P	42 (Dbg=38)	56
63	1	P	40	28
	2	P	40	35
	3	P	42	44
	4	P	42	56
71	1	P	40	28
	2	P	48	35
	3	P	50	44
	4	P	50	56
75	1	P	40	28
	2	P	50	35
	3	P	50	44
	4	P	50	56
80	1	D	40	28
	2	P	50	35
	3	P	50	44
	4	P	65	56
	5	P	65	68
85	1	D	40	28
	2	D	50	35
	3	P	50	44
	4	P	65	56
	5	P	65	68
90	1	D	40	28
	2	D	50	35
	3	D	50	44
	4	P	65	56
	5	P	68	68
95	1	D	45	28
	2	D	50	35
	3	D	50	40
	4	P	65	56
	5	P	68	68

Transmission coupler
Organs de trasmission
Organi di trasmissione

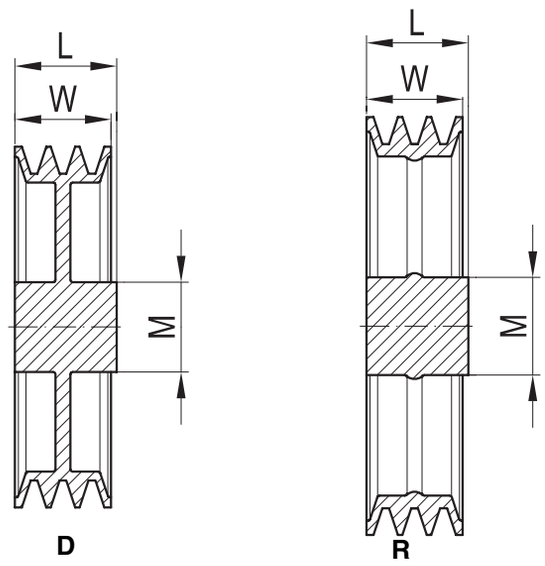


P



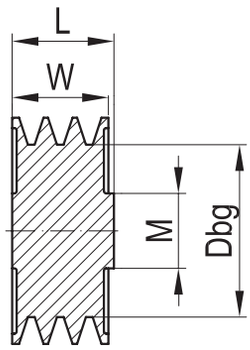
D

Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
100	1	D	45	28
	2	D	50	35
	3	D	60	44
	4	P	65	56
	5	P	68	68
106	1	D	45	28
	2	D	50	35
	3	D	60	40
	4	D	65	56
	5	D	68	68
112	1	D	45	28
	2	D	50	35
	3	D	60	40
	4	D	68	52
	5	D	68	60
118	1	D	45	28
	2	D	50	35
	3	D	60	40
	4	D	68	52
	5	D	75	60
125	1	D	45	28
	2	D	50	35
	3	D	60	40
	4	D	68	52
	5	D	75	60
132	1	D	45	28
	2	D	60	40
	3	D	60	40
	4	D	68	52
	5	D	75	60
140	1	D	55	28
	2	D	60	40
	3	D	60	40
	4	D	68	52
	5	D	75	60
150	1	D	55	32
	2	D	60	40
	3	D	68	45
	4	D	68	52
	5	D	80	60

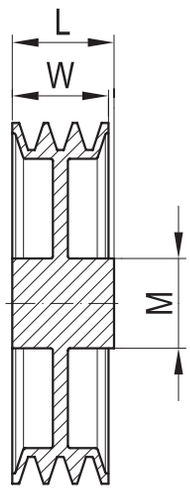


Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
160	1	D	55	32
	2	D	60	40
	3	D	68	45
	4	D	68	52
	5	D	80	60
180	1	D	55	32
	2	D	65	40
	3	D	68	45
	4	D	80	52
	5	D	80	60
200	1	D-6F	55	32
	2	D-6F	65	40
	3	D-6F	68	45
	4	D-6F	80	52
	5	D-6F	80	60
224	1	3R	55	32
	2	3R	65	40
	3	3R	68	45
	4	3R	80	52
	5	3R	80	60
250	1	3R	55	32
	2	3R	62	40
	3	3R	68	45
	4	3R	80	52
	5	3R	88	60
280	1	3R	68	45
	2	3R	68	45
	3	3R	80	50
	4	3R	80	52
	5	3R	96	60
315	1	3R	68	45
	2	3R	68	45
	3	3R	80	50
	4	3R	96	55
	5	3R	96	60
355	1	3R	68	45
	2	3R	68	45
	3	3R	80	50
	4	3R	96	55
	5	3R	96	60

6F = with 6 lightening holes *6F = avec 6 trous d'allégement* 6F = con 6 fori di alleggerimento
3R = with 3 spokes *3R = avec 3 rayons* 3R = con 3 razze



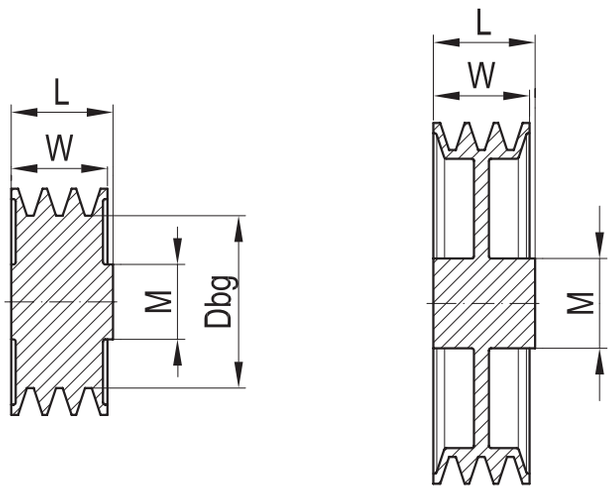
P



D

"PT" SPA-A

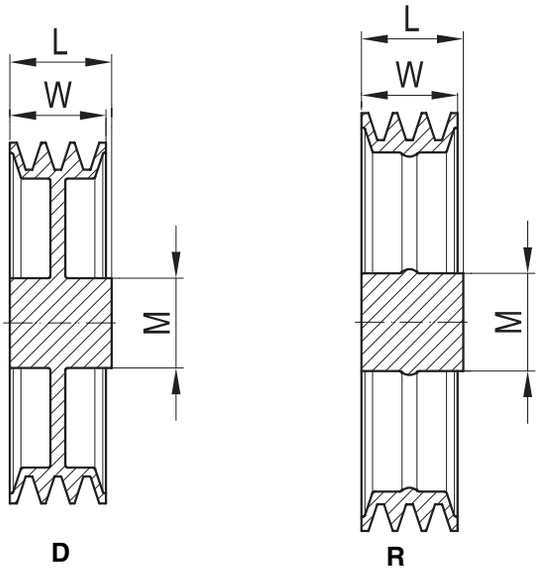
Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
50	1	P	32 (Dbg = 32)	35
	2	P	40 (Dbg = 32)	45
	3	P	40 (Dbg = 32)	54
56	1	P	35 (Dbg = 38)	35
	2	P	40 (Dbg = 38)	45
	3	P	40 (Dbg = 38)	54
63	1	P	40	35
	2	P	40	45
	3	P	40	54
	4	P	40	68
	5	P	40	84
71	1	P	40	35
	2	P	50	45
	3	P	52	54
	4	P	52	68
	5	P	52	84
75	1	P	40	35
	2	P	50	45
	3	P	52	54
	4	P	52	68
	5	P	52	84
80	1	P	45	35
	2	P	50	45
	3	P	62	54
	4	P	62	68
	5	P	62	84
85	1	D	45	35
	2	P	50	45
	3	P	62	54
	4	P	62	68
	5	P	62	84
90	1	D	45	35
	2	P	60	45
	3	P	62	54
	4	P	68	68
	5	P	68	84
95	1	D	45	35
	2	P	60	45
	3	P	62	54
	4	P	68	68
	5	P	68	84



P **D**

Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
100	1	D	45	35
	2	P	60	45
	3	P	62	54
	4	P	70	50
	5	P	70	50
106	1	D	45	35
	2	D	60	45
	3	D	60	50
	4	P	68	50
	5	P	68	50
112	1	D	45	35
	2	D	60	45
	3	D	60	50
	4	P	68	50
	5	P	68	50
118	1	D	60	35
	2	D	60	45
	3	D	70	50
	4	P	70	50
	5	P	80	50
125	1	D	55	35
	2	D	60	45
	3	D	68	50
	4	D	68	50
	5	D	80	50
132	1	D	55	35
	2	D	60	45
	3	D	68	50
	4	D	68	50
	5	D	80	50
140	1	D	60	35
	2	D	60	45
	3	D	68	50
	4	D	68	50
	5	D	80	50
150	1	D	60	40
	2	D	60	45
	3	D	68	50
	4	D	68	50
	5	D	80	50

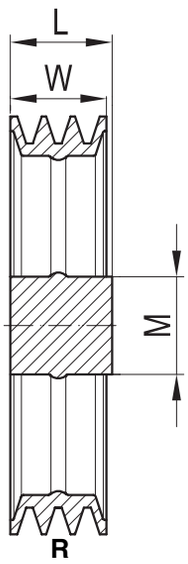
Transmission coupler
Organs de trasmission
Organi di trasmissione



D **R**

Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
160	1	D	60	40
	2	D	60	45
	3	D	68	50
	4	D	80	50
	5	D	80	50
170	1	D	60	40
	2	D	60	45
	3	D	68	50
	4	D	80	50
	5	D	80	50
180	1	D	65	40
	2	D	68	50
	3	D	68	50
	4	D	80	60
	5	D	80	65
190	1	D	65	40
	2	D	68	50
	3	D	68	50
	4	D	80	60
	5	D	80	65
200	1	D	65	40
	2	D	68	50
	3	D	75	50
	4	D	88	60
	5	D	88	65
224	1	D	65	40
	2	D	68	50
	3	D	75	50
	4	D-6F	88	60
	5	D-6F	88	65
236	1	D	68	40
	2	D	68	50
	3	D	75	50
	4	D-8F	88	60
	5	D-8F	88	65
250	1	3R	75	50
	2	3R	75	50
	3	3R	75	50
	4	3R	88	60
	5	3R	96	65

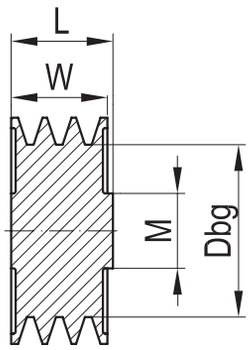
6F = with 6 lightening holes	*6F = avec 6 trous d'allégement*	6F = con 6 fori di alleggerimento
3R = with 3 spokes	*3R = avec 3 rayons*	3R = con 3 razze



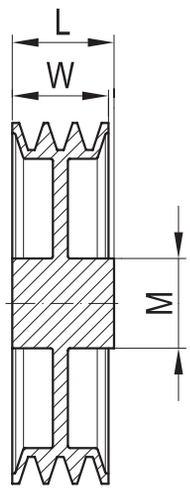
Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
280	1	3R	68	50
	2	3R	75	50
	3	3R	75	50
	4	3R	88	60
	5	3R	96	65
300	1	3R	75	50
	2	3R	75	50
	3	3R	88	60
	4	3R	88	60
	5	3R	96	70
315	1	3R	70	48
	2	3R	75	50
	3	3R	88	60
	4	3R	88	60
	5	3R	96	70
355	1	3R	78	50
	2	3R	88	60
	3	3R	88	60
	4	3R	88	60
	5	3R	96	70
400	1	6R	78	50
	2	6R	88	60
	3	6R	96	65
	4	6R	96	65
	5	6R	96	70
450	2	6R	88	60
	3	6R	96	65
	4	6R	104	70
	5	6R	104	70
500	2	6R	88	60
	3	6R	96	65
	4	6R	104	70
	5	6R	104	70
560	2	6R	88	60
	3	6R	96	65
	4	6R	104	70
	5	6R	104	70
630	3	6R	104	65
	4	6R	112	70
	5	6R	120	75
800	3	6R	128	100
	4	6R	128	100
	5	6R	145	110

3F = with 3 spokes *3F = avec 3 rayons* 3F = con 3 razze
6R = with 6 spokes *6R = avec 6 rayons* 6R = con 6 razze

Transmission coupler
Organs de trasmission
Organi di trasmissione



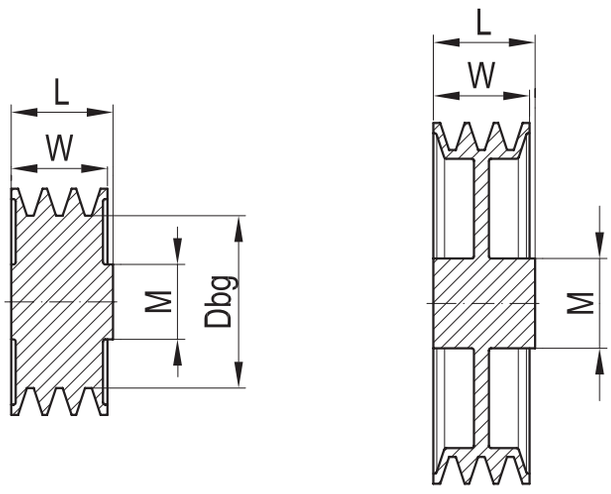
P



D

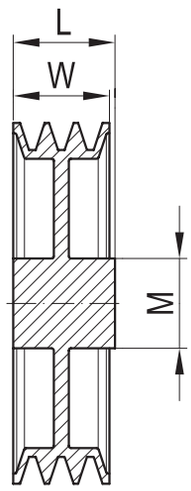
"PT" SPB-B-5V

Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
60	1	P	40 (Dbg = 32)	35
	2	P	40 (Dbg = 32)	48
71	1	P	45 (Dbg = 38)	35
	2	P	45 (Dbg = 38)	48
	3	P	45 (Dbg = 38)	67
75	1	P	45	35
	2	P	45	48
	3	P	45	67
80	1	P	50	35
	2	P	50	48
	3	P	50	67
	4	P	52	86
	5	P	58	105
85	1	P	50	35
	2	P	50	48
	3	P	52	67
	4	P	58	86
	5	P	58	105
90	1	P	50	35
	2	P	50	48
	3	P	58	67
	4	P	65	50
	5	P	65	50
95	1	P	52	35
	2	P	55	48
	3	P	58	67
	4	P	65	50
	5	P	65	50
100	1	P	52	35
	2	P	55	48
	3	P	58	67
	4	P	65	50
	5	P	65	50
106	1	D	50	35
	2	D	55	48
	3	P	65	50
	4	P	65	50
	5	P	67	50



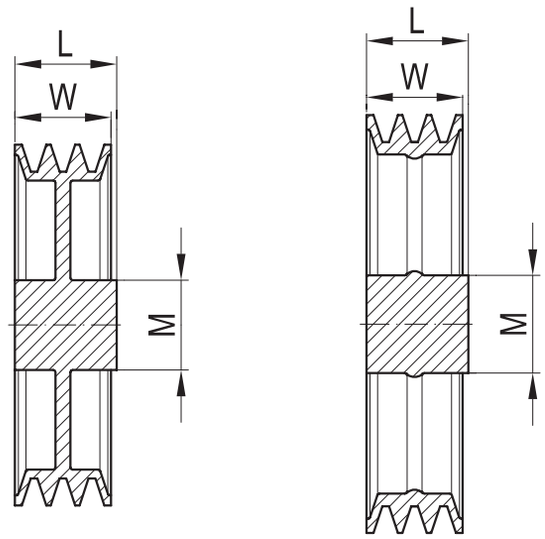
P **D**

Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
112	1	D	55	35
	2	D	60	48
	3	P	65	50
	4	P	75	50
	5	P	75	50
118	1	D	55	35
	2	D	60	48
	3	P	75	50
	4	P	75	50
	5	P	75	50
125	1	D	55	35
	2	D	60	48
	3	D	75	50
	4	D	75	50
	5	D	75	50
	6	P	80	60
132	1	D	60	35
	2	D	60	50
	3	D	75	50
	4	D	80	50
	5	D	80	60
	6	D	80	60
140	1	D	60	35
	2	D	65	50
	3	D	75	50
	4	D	80	50
	5	D	80	60
	6	D	80	60
150	1	D	60	40
	2	D	65	50
	3	D	75	50
	4	D	80	50
	5	D	80	60
	6	D	88	60
160	1	D	65	40
	2	D	68	50
	3	D	80	50
	4	D	88	60
	5	D	88	60
	6	D	88	65



D

Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
170	1	D	65	40
	2	D	68	50
	3	D	80	50
	4	D	88	60
	5	D	88	60
	6	D	104	65
180	1	D	65	40
	2	D	68	50
	3	D	80	50
	4	D	88	60
	5	D	88	70
	6	D	104	70
190	1	D	65	40
	2	D	68	50
	3	D	80	50
	4	D	88	60
	5	D	88	70
	6	D	104	70
200	1	D	68	40
	2	D	68	50
	3	D	80	50
	4	D	88	60
	5	D	88	70
	6	D	104	80
212	1	D	68	45
	2	D	68	50
	3	D	80	50
	4	D	88	60
	5	D	88	70
	6	D	104	80
224	1	D	68	45
	2	D	75	50
	3	D	80	50
	4	D	88	60
	5	D	96	70
	6	D	104	80
236	1	D	68	45
	2	D	75	50
	3	D	80	60
	4	D	88	65
	5	D	96	75
	6	D	104	80

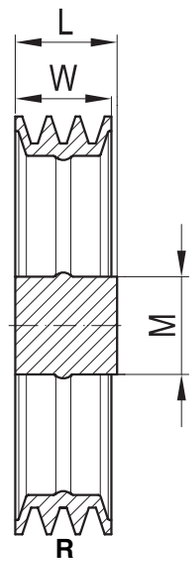


D **R**

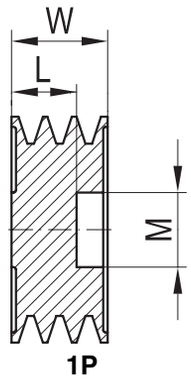
Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
250	1	3R	70	45
	2	3R	75	50
	3	3R	88	60
	4	3R	96	65
	5	D-6F	104	75
	6	D-6F	104	80
280	1	3R	75	45
	2	3R	75	50
	3	3R	88	60
	4	3R	96	65
	5	3R	104	75
	6	3R	104	80
300	1	3R	75	50
	2	3R	80	50
	3	3R	88	60
	4	3R	96	65
	5	3R	104	75
	6	3R	104	80
315	2	3R	88	60
	3	3R	88	60
	4	3R	96	65
	5	3R	104	75
	6	3R	120	90
355	2	3R	88	60
	3	3R	96	60
	4	3R	96	65
	5	3R	104	75
	6	3R	120	90
400	2	6R	88	60
	3	6R	96	65
	4	6R	104	75
	5	6R	112	85
	6	6R	120	100

6F = with 6 lightening holes	*6F = avec 6 trous d'allégement*	6F = con 6 fori di alleggerimento
3R = with 3 spokes	*3R = avec 3 rayons*	3R = con 3 razze
6R = with 6 spokes	*6R = avec 6 rayons*	6R = con 6 razze

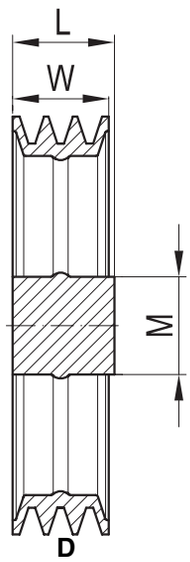
Transmission coupler
Organs de trasmission
Organi di trasmissione



Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
450	2	6R	88	60
	3	6R	96	65
	4	6R	104	75
	5	6R	112	85
	6	6R	120	100
500	2	6R	96	65
	3	6R	104	75
	4	6R	112	85
	5	6R	120	90
	6	6R	128	105
560	2	6R	96	65
	3	6R	104	75
	4	6R	112	85
	5	6R	120	90
	6	6R	128	105
630	2	6R	104	65
	3	6R	120	75
	4	6R	128	105
	5	6R	145	115
	6	6R	145	115
710	2	6R	96	65
	3	6R	112	75
	4	6R	120	90
	5	6R	128	105
	6	6R	145	115
800	2	6R	104	70
	3	6R	120	90
	4	6R	128	105
	5	6R	145	115
	6	6R	145	115



1P

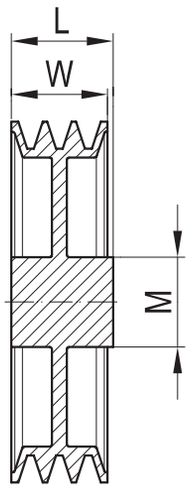


D

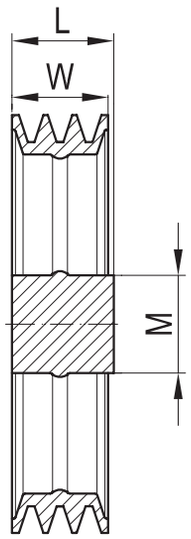
“PT” C

Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
140	1	D	62	58
	2	D	70	58
	3	D	74	70
	4	D	74	74
	5	1P	83	78
	6	D	75	78
150	1	D	70	59
	2	D	70	61
	3	1P	93	70
	4	1P	93	74
	5	D	75	78
	6	D	78	78
160	1	D	62	59
	2	D	70	61
	3	D	76	70
	4	D	78	74
	5	D	78	78
	6	D	82	78
170	1	D	70	60
	2	D	70	62
	3	D	76	74
	4	D	82	76
	5	D	82	78
	6	D	87	80
180	1	D	70	60
	2	D	70	60
	3	D	78	72
	4	D	82	74
	5	D	82	80
	6	D	87	72
190	1	D	70	60
	2	D	74	60
	3	D	78	72
	4	D	82	74
	5	D	84	80
	6	D	88	85

Transmission coupler
Organs de trasmission
Organi di trasmissione

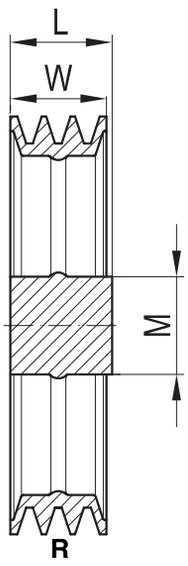


D



R

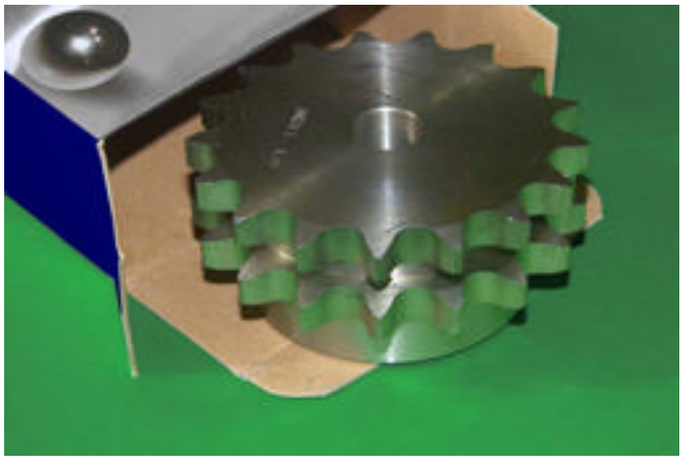
Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
200	1	D	71	60
	2	D	73	72
	3	D	83	76
	4	D	90	88
	5	D	92	92
	6	D	96	98
224	1	D	71	63
	2	D	76	68
	3	D	83	76
	4	D	93	90
	5	D	93	92
	6	D	98	98
250	1	D	82	63
	2	D	82	71
	3	D	90	80
	4	D	95	90
	5	D	100	96
	6	D	102	102
280	1	D	82	64
	2	D	82	74
	3	D	90	80
	4	D	95	90
	5	D	100	96
	6	R	102	102
300	1	R	85	65
	2	R	90	75
	3	R	90	80
	4	R	105	90
	5	R	105	95
	6	R	105	107
315	1	R	85	65
	2	R	90	75
	3	R	90	80
	4	R	105	90
	5	R	105	95
	6	R	105	107
355	1	R	100	70
	2	R	105	80
	3	R	105	80
	4	R	115	90
	5	R	115	95
	6	R	115	110

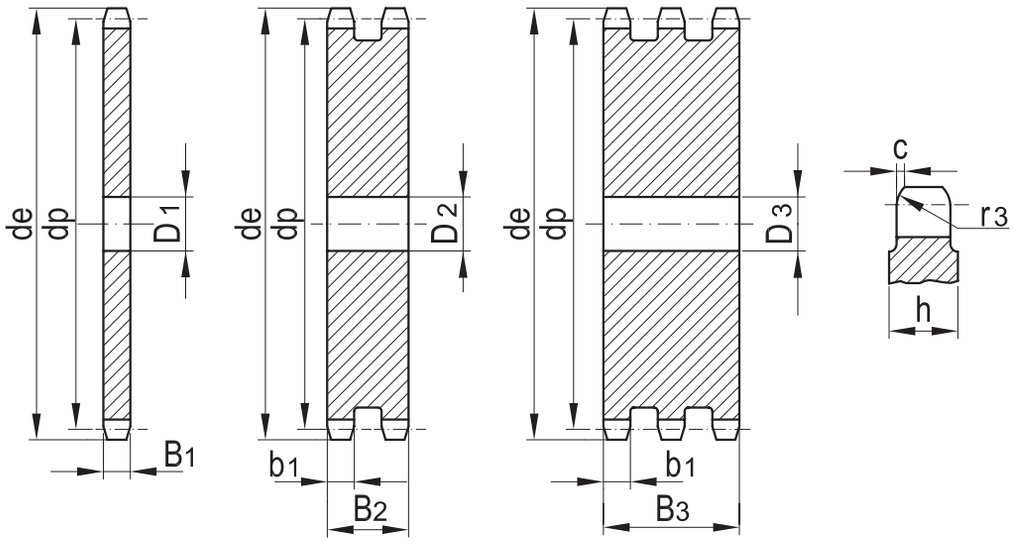


Pitch diameter *Diamètre primitif* Diametro primitivo **dw [mm]**	**Races** *Gorges* Gole **N°**	**Size** *Forme* Forma **fig.**	**M** **[mm]**	**L** **[mm]**
400	1	R	100	70
	2	R	105	75
	3	R	105	80
	4	R	120	90
	5	R	120	95
	6	R	120	110
450	1	R	105	70
	2	R	110	75
	3	R	110	80
	4	R	120	95
	5	R	120	100
	6	R	120	110
500	1	R	110	75
	2	R	115	80
	3	R	115	85
	4	R	126	100
	5	R	125	110
	6	R	125	115
560	1	R	110	75
	2	R	115	80
	3	R	115	85
	4	R	125	100
	5	R	125	110
	6	R	125	115
630	1	R	115	75
	2	R	120	80
	3	R	120	95
	4	R	130	100
	5	R	130	110
	6	R	130	115

Platewheels for chains
Couronnes pour chaînes
Corone per catene

For roller chains complying with DIN 8187ISO/R 606
Pour chaînes à rouleaux selon DIN 8187 ISO/R 606
Per catene a rulli secondo DIN 8187 ISO/R 606





Single 3/8" Platewheels
Couronnes 3/8" simples
Corone 3/8" semplici

The plate size is increased by h = 7 mm from Z.100
À partir de Z.100, le disque à roue simple est majoré h = 7 mm
A partire da Z.100 il disco ruota semplice viene maggiorato h = 7 mm

PLATEWHEEL *COURONNE* CORONA	**mm**	**PLATEWHEEL** *COURONNE* CORONA	**mm**	**CHAIN** *CHAINE* CATENA	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	10	**Plate tooth width b_1** *Largeur dent couronne b_1* Largh. dente corona b_1	5,2	**Pitch** *Pas* Passo	9,525
Radius width c *Largeur rayon c* Larghezza raggio c	1	**Plate tooth width B_2** *Largeur dent couronne B_2* Largh. dente corona B_2	15,4	**Inner width** *Largeur interne* Largh. interna	5,72
Plate tooth width B_1 *Largeur dent couronne B_1* Largh. dente corona B_1	5,3	**Plate tooth width B_3** *Largeur dent couronne B_3* Largh. dente corona B_3	25,6	**Roller** ∅ *Rouleau* ∅ Rullo ∅	6,35

Cod.	Descr.
CHC3/8S8	3/8 S Z 8
CHC3/8S9	3/8 S Z 9
CHC3/8S11	3/8 S Z 11
CHC3/8S12	3/8 S Z 12
CHC3/8S13	3/8 S Z 13
CHC3/8S14	3/8 S Z 14
CHC3/8S15	3/8 S Z 15
CHC3/8S16	3/8 S Z 16
CHC3/8S17	3/8 S Z 17
CHC3/8S18	3/8 S Z 18
CHC3/8S19	3/8 S Z 19
CHC3/8S20	3/8 S Z 20
CHC3/8S21	3/8 S Z 21
CHC3/8S22	3/8 S Z 22
CHC3/8S23	3/8 S Z 23
CHC3/8S24	3/8 S Z 24
CHC3/8S25	3/8 S Z 25
CHC3/8S26	3/8 S Z 26
CHC3/8S27	3/8 S Z 27
CHC3/8S28	3/8 S Z 28
CHC3/8S29	3/8 S Z 29
CHC3/8S30	3/8 S Z 30
CHC3/8S31	3/8 S Z 31
CHC3/8S32	3/8 S Z 32
CHC3/8S33	3/8 S Z 33
CHC3/8S34	3/8 S Z 34
CHC3/8S35	3/8 S Z 35
CHC3/8S36	3/8 S Z 36
CHC3/8S37	3/8 S Z 37
CHC3/8S38	3/8 S Z 38
CHC3/8S39	3/8 S Z 39
CHC3/8S40	3/8 S Z 40
CHC3/8S41	3/8 S Z 41
CHC3/8S42	3/8 S Z 42
CHC3/8S43	3/8 S Z 43
CHC3/8S44	3/8 S Z 44
CHC3/8S45	3/8 S Z 45
CHC3/8S46	3/8 S Z 46
CHC3/8S47	3/8 S Z 47
CHC3/8S48	3/8 S Z 48
CHC3/8S49	3/8 S Z 49
CHC3/8S50	3/8 S Z 50
CHC3/8S51	3/8 S Z 51
CHC3/8S52	3/8 S Z 52
CHC3/8S53	3/8 S Z 53
CHC3/8S54	3/8 S Z 54
CHC3/8S55	3/8 S Z 55
CHC3/8S56	3/8 S Z 56
CHC3/8S57	3/8 S Z 57
CHC3/8S58	3/8 S Z 58
CHC3/8S60	3/8 S Z 60

Single 1/2” platewheel
Couronnes 1/2" simples
Corone 1/2" semplici

PLATEWHEEL *COURONNE* CORONA	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	13
Radius width c *Largeur rayon c* Larghezza raggio c	1,3
Plate tooth width B_1 *Largeur dent couronne B_1* Largh. dente corona B_1	7,2
Plate tooth width b_1 *Largeur dent couronne b_1* Largh. dente corona b_1	7
Plate tooth width B_2 *Largeur dent couronne B_2* Largh. dente corona B_2	21
Plate tooth width B_3 *Largeur dent couronne B_3* Largh. dente corona B_3	34,9
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	12,7
Inner width *Largeur interne* Largh. interna	7,75
Roller ∅ *Rouleau* ∅ Rullo ∅	8,51

Cod.	Descr.
CHC1/2S10	1/2 S Z 10
CHC1/2S11	1/2 S Z 11
CHC1/2S12	1/2 S Z 12
CHC1/2S13	1/2 S Z 13
CHC1/2S14	1/2 S Z 14
CHC1/2S15	1/2 S Z 15
CHC1/2S16	1/2 S Z 16
CHC1/2S17	1/2 S Z 17
CHC1/2S18	1/2 S Z 18
CHC1/2S19	1/2 S Z 19
CHC1/2S20	1/2 S Z 20
CHC1/2S21	1/2 S Z 21
CHC1/2S22	1/2 S Z 22
CHC1/2S23	1/2 S Z 23
CHC1/2S24	1/2 S Z 24
CHC1/2S25	1/2 S Z 25
CHC1/2S26	1/2 S Z 26
CHC1/2S27	1/2 S Z 27
CHC1/2S28	1/2 S Z 28
CHC1/2S29	1/2 S Z 29
CHC1/2S30	1/2 S Z 30
CHC1/2S31	1/2 S Z 31
CHC1/2S32	1/2 S Z 32
CHC1/2S33	1/2 S Z 33
CHC1/2S34	1/2 S Z 34
CHC1/2S35	1/2 S Z 35

Cod.	Descr.
CHC1/2S36	1/2 S Z 36
CHC1/2S37	1/2 S Z 37
CHC1/2S38	1/2 S Z 38
CHC1/2S39	1/2 S Z 39
CHC1/2S40	1/2 S Z 40
CHC1/2S41	1/2 S Z 41
CHC1/2S42	1/2 S Z 42
CHC1/2S43	1/2 S Z 43
CHC1/2S44	1/2 S Z 44
CHC1/2S45	1/2 S Z 45
CHC1/2S46	1/2 S Z 46
CHC1/2S47	1/2 S Z 47
CHC1/2S48	1/2 S Z 48
CHC1/2S49	1/2 S Z 49
CHC1/2S50	1/2 S Z 50
CHC1/2S51	1/2 S Z 51
CHC1/2S52	1/2 S Z 52
CHC1/2S53	1/2 S Z 53
CHC1/2S54	1/2 S Z 54
CHC1/2S55	1/2 S Z 55
CHC1/2S56	1/2 S Z 56
CHC1/2S57	1/2 S Z 57
CHC1/2S58	1/2 S Z 58
CHC1/2S60	1/2 S Z 60
CHC1/2S8	1/2 S Z 8
CHC1/2S9	1/2 S Z 9

Single 5/8” platewheels
Couronnes 5/8' simples
Corone 5/8" semplici

PLATEWHEEL *COURONNE* CORONA	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	16
Radius width c *Largeur rayon c* Larghezza raggio c	1,6
Plate tooth width B_1 *Largeur dent couronne B_1* Largh. dente corona B_1	9,1
Plate tooth width b_1 *Largeur dent couronne b_1* Largh. dente corona b_1	9
Plate tooth width B_2 *Largeur dent couronne B_2* Largh. dente corona B_2	25,5
Plate tooth width B_3 *Largeur dent couronne B_3* Largh. dente corona B_3	42,1
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	15,875
Inner width *Largeur interne* Largh. interna	9,65
Roller ∅ *Rouleau* ∅ Rullo ∅	10,16

Cod.	Descr.
CHC5/8S8	5/8 S Z 8
CHC5/8S9	5/8 S Z 9
CHC5/8S10	5/8 S Z 10
CHC5/8S11	5/8 S Z 11
CHC5/8S12	5/8 S Z 12
CHC5/8S13	5/8 S Z 13
CHC5/8S14	5/8 S Z 14
CHC5/8S15	5/8 S Z 15
CHC5/8S16	5/8 S Z 16
CHC5/8S17	5/8 S Z 17
CHC5/8S18	5/8 S Z 18
CHC5/8S19	5/8 S Z 19
CHC5/8S20	5/8 S Z 20
CHC5/8S21	5/8 S Z 21
CHC5/8S22	5/8 S Z 22
CHC5/8S23	5/8 S Z 23
CHC5/8S24	5/8 S Z 24
CHC5/8S25	5/8 S Z 25
CHC5/8S26	5/8 S Z 26
CHC5/8S27	5/8 S Z 27
CHC5/8S28	5/8 S Z 28
CHC5/8S29	5/8 S Z 29
CHC5/8S30	5/8 S Z 30
CHC5/8S31	5/8 S Z 31
CHC5/8S32	5/8 S Z 32
CHC5/8S33	5/8 S Z 33
CHC5/8S34	5/8 S Z 34
CHC5/8S35	5/8 S Z 35
CHC5/8S36	5/8 S Z 36
CHC5/8S37	5/8 S Z 37
CHC5/8S38	5/8 S Z 38
CHC5/8S39	5/8 S Z 39
CHC5/8S40	5/8 S Z 40
CHC5/8S41	5/8 S Z 41
CHC5/8S42	5/8 S Z 42
CHC5/8S43	5/8 S Z 43
CHC5/8S44	5/8 S Z 44
CHC5/8S45	5/8 S Z 45
CHC5/8S46	5/8 S Z 46
CHC5/8S47	5/8 S Z 47
CHC5/8S48	5/8 S Z 48
CHC5/8S49	5/8 S Z 49
CHC5/8S50	5/8 S Z 50
CHC5/8S51	5/8 S Z 51
CHC5/8S52	5/8 S Z 52
CHC5/8S53	5/8 S Z 53
CHC5/8S54	5/8 S Z 54
CHC5/8S55	5/8 S Z 55
CHC5/8S56	5/8 S Z 56
CHC5/8S57	5/8 S Z 57
CHC5/8S58	5/8 S Z 58
CHC5/8S60	5/8 S Z 60

Single 3/4” platewheels
Couronnes 3/4” simples
Corone 3/4" semplici

PLATEWHEEL *COURONNE* CORONA	**mm**	**PLATEWHEEL** *COURONNE* CORONA	**mm**	**CHAIN** *CHAINE* CATENA	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	19	**Plate tooth width b_1** *Largeur dent couronne b_1* Largh. dente corona b_1	10,8	**Pitch** *Pas* Passo	19,05
Radius width c *Largeur rayon c* Larghezza raggio c	2	**Plate tooth width B_2** *Largeur dent couronne B_2* Largh. dente corona B_2	30,3	**Inner width** *Largeur interne* Largh. interna	11,68
Plate tooth width B_1 *Largeur dent couronne B_1* Largh. dente corona B_1	11,1	**Plate tooth width B_3** *Largeur dent couronne B_3* Largh. dente corona B_3	49,8	**Roller ∅** *Rouleau ∅* Rullo ∅	12,07

Z	**d_e**	**d_p**	**S**	**D**	**T**
			D_1	**D_2**	**D_3**
8	57,6	49,78	12	12	16
9	62,0	55,70	12	12	16
10	69,0	61,64	12	12	16
11	75,0	67,61	14	16	20
12	81,5	73,61	14	16	20
13	87,5	79,59	14	16	20
14	93,6	85,61	14	16	20
15	99,8	91,63	14	16	20
16	105,5	97,65	14	20	20
17	111,5	103,67	14	20	20
18	118,0	109,71	14	20	20
19	124,2	115,75	14	20	20
20	129,7	121,78	14	20	20
21	136,0	127,82	16	20	20
22	141,8	133,86	16	20	20
23	149,0	139,90	16	20	20
24	153,9	145,94	16	20	20
25	160,0	152,00	16	20	20
26	165,9	158,04	16	20	20
27	172,3	164,09	16	20	20
28	178,0	170,13	16	20	20
29	184,1	176,19	16	20	20
30	190,5	182,25	16	20	20
31	196,3	188,31	20	20	25
32	203,3	194,36	20	20	25
33	209,2	200,40	20	20	25
34	214,6	206,46	20	20	25
35	221,0	212,52	20	20	25
36	226,8	218,58	20	25	25
37	232,9	224,64	20	25	25
38	239,0	230,69	20	25	25
39	245,1	236,75	20	25	25
40	251,3	242,81	20	25	25
41	257,3	248,87	25	25	25
42	264,5	254,93	25	25	25
43	270,5	260,98	25	25	25
44	276,5	267,04	25	25	25
45	282,5	273,10	25	25	25
46	287,9	279,16	25	25	25
47	294,0	285,21	25	25	25
48	300,1	291,27	25	25	25

Z	d_e	d_p	S	D	T
			D_1	D_2	D_3
49	306,2	297,33	25	25	25
50	312,3	303,39	25	25	25
51	318,4	309,45	25	25	25
52	324,5	315,50	25	25	25
53	330,5	321,56	25	25	25
54	336,6	327,64	25	25	25
55	342,7	333,70	25	25	25
56	348,7	339,75	25	25	30
57	355,4	345,81	25	25	30
58	361,5	351,87	25	25	30
59	367,5	357,93	25	25	30
60	373,0	363,99	25	25	30
62	385,1	376,12	25	30	30
64	397,2	388,24	25	30	30
65	403,2	394,29	25	30	30
66	409,3	400,35	30	30	30
68	421,4	412,49	30	30	30
70	433,6	424,60	30	30	30
72	447,0	436,74	30	30	30
75	463,9	454,91	30	30	30
76	469,9	460,99	30	30	30
78	482,1	473,10	30	30	30
80	494,2	485,22	30	30	30
85	524,5	515,55	30	30	30
90	554,8	545,86	30	30	30
95	585,1	5756,17	30	30	30
100	615,4	606,47	30	30	30
110	676,1	667,11	30	30	30
114	700,6	691,36	30	30	30
120	736,7	727,74	30	30	30
125	767,0	758,05	30	30	30

Cod.	Descr.
CHC3/4S8	3/4 S Z 8
CHC3/4S9	3/4 S Z 9
CHC3/4S10	3/4 S Z 10
CHC3/4S11	3/4 S Z 11
CHC3/4S12	3/4 S Z 12
CHC3/4S13	3/4 S Z 13
CHC3/4S14	3/4 S Z 14
CHC3/4S15	3/4 S Z 15
CHC3/4S16	3/4 S Z 16
CHC3/4S17	3/4 S Z 17
CHC3/4S18	3/4 S Z 18
CHC3/4S19	3/4 S Z 19
CHC3/4S20	3/4 S Z 20
CHC3/4S21	3/4 S Z 21
CHC3/4S22	3/4 S Z 22
CHC3/4S23	3/4 S Z 23
CHC3/4S24	3/4 S Z 24
CHC3/4S25	3/4 S Z 25
CHC3/4S26	3/4 S Z 26
CHC3/4S27	3/4 S Z 27
CHC3/4S28	3/4 S Z 28
CHC3/4S29	3/4 S Z 29
CHC3/4S30	3/4 S Z 30

Cod.	Descr.
CHC3/4S31	3/4 S Z 31
CHC3/4S32	3/4 S Z 32
CHC3/4S33	3/4 S Z 33
CHC3/4S34	3/4 S Z 34
CHC3/4S35	3/4 S Z 35
CHC3/4S36	3/4 S Z 36
CHC3/4S37	3/4 S Z 37
CHC3/4S38	3/4 S Z 38
CHC3/4S39	3/4 S Z 39
CHC3/4S40	3/4 S Z 40
CHC3/4S41	3/4 S Z 41
CHC3/4S42	3/4 S Z 42
CHC3/4S43	3/4 S Z 43
CHC3/4S44	3/4 S Z 44
CHC3/4S45	3/4 S Z 45
CHC3/4S46	3/4 S Z 46
CHC3/4S47	3/4 S Z 47
CHC3/4S48	3/4 S Z 48
CHC3/4S49	3/4 S Z 49
CHC3/4S50	3/4 S Z 50
CHC3/4S51	3/4 S Z 51
CHC3/4S52	3/4 S Z 52

Single 1” platewheels

Couronnes 1” simples
Corone 1" semplici

PLATEWHEEL *COURONNE* CORONA	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	26
Radius width c *Largeur rayon c* Larghezza raggio c	2,5
Plate tooth width B_1 *Largeur dent couronne B_1* Largh. dente corona B_1	16,2
Plate tooth width b_1 *Largeur dent couronne b_1* Largh. dente corona b_1	15,8
Plate tooth width B_2 *Largeur dent couronne B_2* Largh. dente corona B_2	47,7
Plate tooth width B_3 *Largeur dent couronne B_3* Largh. dente corona B_3	79,6
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	25,4
Inner width *Largeur interne* Largh. interna	17,02
Roller ∅ *Rouleau* ∅ Rullo ∅	15,88

Cod.	Descr.
CHC1S8	1" S Z 8
CHC1S9	1" S Z 9
CHC1S10	1" S Z 10
CHC1S11	1" S Z 11
CHC1S12	1" S Z 12
CHC1S13	1" S Z 13
CHC1S14	1" S Z 14
CHC1S15	1" S Z 15
CHC1S16	1" S Z 16
CHC1S17	1" S Z 17
CHC1S18	1" S Z 18
CHC1S19	1" S Z 19
CHC1S20	1" S Z 20
CHC1S21	1" S Z 21
CHC1S22	1" S Z 22
CHC1S23	1" S Z 23
CHC1S24	1" S Z 24
CHC1S25	1" S Z 25
CHC1S26	1" S Z 26
CHC1S27	1" S Z 27
CHC1S28	1" S Z 28
CHC1S29	1" S Z 29
CHC1S30	1" S Z 30
CHC1S31	1" S Z 31
CHC1S32	1" S Z 32
CHC1S33	1" S Z 33
CHC1S34	1" S Z 34
CHC1S35	1" S Z 35
CHC1S36	1" S Z 36
CHC1S37	1" S Z 37
CHC1S38	1" S Z 38
CHC1S39	1" S Z 39
CHC1S40	1" S Z 40

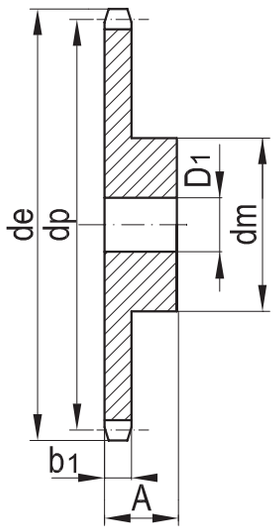
Single 1” 1/4 platewheels

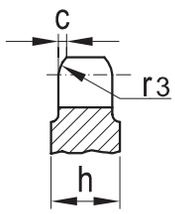
Couronnes 1” 1/4 simples
Corone 1" 1/4 semplici

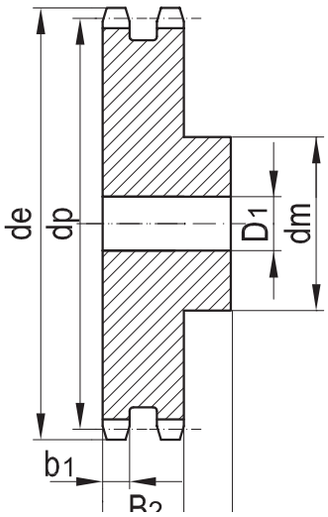
PLATEWHEEL *COURONNE* CORONA	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	32
Radius width c *Largeur rayon c* Larghezza raggio c	3,5
Plate tooth width B_1 *Largeur dent couronne B_1* Largh. dente corona B_1	18,5
Plate tooth width b_1 *Largeur dent couronne b_1* Largh. dente corona b_1	18,2
Plate tooth width B_2 *Largeur dent couronne B_2* Largh. dente corona B_2	54,6
Plate tooth width B_3 *Largeur dent couronne B_3* Largh. dente corona B_3	91
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	31,75
Inner width *Largeur interne* Largh. interna	19,56
Roller ∅ *Rouleau* ∅ Rullo ∅	19,05

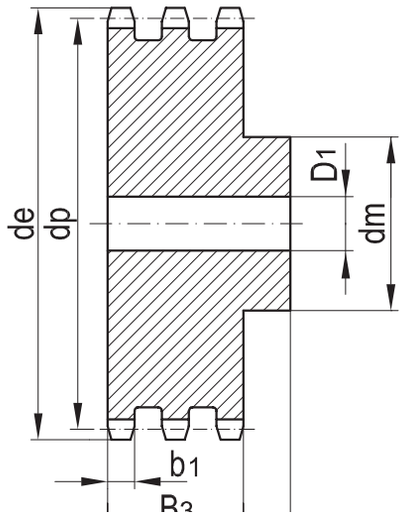
Cod.	Descr.
CHC11/4S8	1 1/4 S Z 8
CHC11/4S9	1 1/4 S Z 9
CHC11/4S12	1 1/4 S Z 12
CHC11/4S13	1 1/4 S Z 13
CHC11/4S14	1 1/4 S Z 14
CHC11/4S15	1 1/4 S Z 15
CHC11/4S16	1 1/4 S Z 16
CHC11/4S17	1 1/4 S Z 17
CHC11/4S18	1 1/4 S Z 18
CHC11/4S19	1 1/4 S Z 19
CHC11/4S20	1 1/4 S Z 20
CHC11/4S21	1 1/4 S Z 21
CHC11/4S22	1 1/4 S Z 22
CHC11/4S23	1 1/4 S Z 23
CHC11/4S24	1 1/4 S Z 24
CHC11/4S25	1 1/4 S Z 25

Single 3/8” sprockets
Pignons 3/8" simples
Pignoni 3/8” semplici









SPROCKET *PIGNON* PIGNONE	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	10
Radius width c *Largeur rayon c* Larghezza raggio c	1
Sprocket tooth width B_1 *Largeur dent couronne B_1* Largh. dente pign. B_1	5,3
Sprocket tooth width b_1 *Largeur dent couronne b_1* Largh. dente pign. b_1	5,2
Sprocket tooth width B_2 *Largeur dent couronne B_2* Largh. dente pign. B_2	15,4
Sprocket tooth width B_3 *Largeur dent couronne B_3* Largh. dente pign. B_3	25,6
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	9,525
Inner width *Largeur interne* Largh. interna	5,72
Roller ∅ *Rouleau ∅* Rullo ∅	6,35

Material C 43 UNI 7847
Matériau C 43 UNI 7847
Materiale C 43 UNI 7847

Cod.	Descr.
CHP3/8S8	3/8 S Z 8
CHP3/8S9	3/8 S Z 9
CHP3/8S10	3/8 S Z 10
CHP3/8S11	3/8 S Z 11
CHP3/8S12	3/8 S Z 12
CHP3/8S13	3/8 S Z 13
CHP3/8S14	3/8 S Z 14
CHP3/8S15	3/8 S Z 15
CHP3/8S16	3/8 S Z 16
CHP3/8S17	3/8 S Z 17
CHP3/8S18	3/8 S Z 18
CHP3/8S19	3/8 S Z 19
CHP3/8S20	3/8 S Z 20
CHP3/8S21	3/8 S Z 21
CHP3/8S22	3/8 S Z 22
CHP3/8S23	3/8 S Z 23
CHP3/8S24	3/8 S Z 24

Cod.	Descr.
CHP3/8S25	3/8 S Z 25
CHP3/8S26	3/8 S Z 26
CHP3/8S27	3/8 S Z 27
CHP3/8S28	3/8 S Z 28
CHP3/8S29	3/8 S Z 29
CHP3/8S30	3/8 S Z 30
CHP3/8S31	3/8 S Z 31
CHP3/8S32	3/8 S Z 32
CHP3/8S33	3/8 S Z 33
CHP3/8S34	3/8 S Z 34
CHP3/8S35	3/8 S Z 35
CHP3/8S36	3/8 S Z 36
CHP3/8S37	3/8 S Z 37
CHP3/8S38	3/8 S Z 38
CHP3/8S39	3/8 S Z 39
CHP3/8S40	3/8 S Z 40

Double 3/8” sprockets
Pignons 3/8" doubles
Pignoni 3/8” doppi

Cod.	Descr.
CHP3/8D8	3/8 D Z 8
CHP3/8D9	3/8 D Z 9
CHP3/8D10	3/8 D Z 10
CHP3/8D11	3/8 D Z 11
CHP3/8D12	3/8 D Z 12
CHP3/8D13	3/8 D Z 13
CHP3/8D14	3/8 D Z 14
CHP3/8D15	3/8 D Z 15
CHP3/8D16	3/8 D Z 16
CHP3/8D17	3/8 D Z 17
CHP3/8D18	3/8 D Z 18
CHP3/8D19	3/8 D Z 19
CHP3/8D20	3/8 D Z 20
CHP3/8D21	3/8 D Z 21
CHP3/8D22	3/8 D Z 22
CHP3/8D23	3/8 D Z 23
CHP3/8D24	3/8 D Z 24
CHP3/8D25	3/8 D Z 25
CHP3/8D26	3/8 D Z 26
CHP3/8D27	3/8 D Z 27
CHP3/8D28	3/8 D Z 28
CHP3/8D29	3/8 D Z 29
CHP3/8D30	3/8 D Z 30
CHP3/8D31	3/8 D Z 31
CHP3/8D32	3/8 D Z 32
CHP3/8D33	3/8 D Z 33
CHP3/8D34	3/8 D Z 34
CHP3/8D35	3/8 D Z 35
CHP3/8D36	3/8 D Z 36
CHP3/8D37	3/8 D Z 37
CHP3/8D38	3/8 D Z 38
CHP3/8D39	3/8 D Z 39
CHP3/8D40	3/8 D Z 40

Triple 3/8” sprockets
Pignons 3/8" triples
Pignoni 3/8” tripli

Cod.	Descr.
CHP3/8T8	3/8 T Z 8
CHP3/8T9	3/8 T Z 9
CHP3/8T10	3/8 T Z 10
CHP3/8T11	3/8 T Z 11
CHP3/8T12	3/8 T Z 12
CHP3/8T13	3/8 T Z 13
CHP3/8T14	3/8 T Z 14
CHP3/8T15	3/8 T Z 15
CHP3/8T16	3/8 T Z 16
CHP3/8T17	3/8 T Z 17
CHP3/8T18	3/8 T Z 18
CHP3/8T19	3/8 T Z 19
CHP3/8T20	3/8 T Z 20
CHP3/8T21	3/8 T Z 21
CHP3/8T22	3/8 T Z 22
CHP3/8T23	3/8 T Z 23
CHP3/8T24	3/8 T Z 24
CHP3/8T25	3/8 T Z 25
CHP3/8T26	3/8 T Z 26
CHP3/8T27	3/8 T Z 27
CHP3/8T28	3/8 T Z 28
CHP3/8T29	3/8 T Z 29
CHP3/8T30	3/8 T Z 30
CHP3/8T31	3/8 T Z 31
CHP3/8T32	3/8 T Z 32
CHP3/8T33	3/8 T Z 33
CHP3/8T34	3/8 T Z 34
CHP3/8T35	3/8 T Z 35
CHP3/8T36	3/8 T Z 36
CHP3/8T37	3/8 T Z 37
CHP3/8T38	3/8 T Z 38
CHP3/8T39	3/8 T Z 39
CHP3/8T40	3/8 T Z 40

Transmission coupler
Organs de trasmission
Organi di trasmissione

Single 1/2” sprockets
Pignons 1/2” simples
Pignoni 1/2” semplici

SPROCKET *PIGNON* PIGNONE	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	13
Radius width c *Largeur rayon c* Larghezza raggio c	1,3
Sprocket tooth width B_1 *Largeur dent couronne B_1* Largh. dente pign. B_1	7,2
Sprocket tooth width b_1 *Largeur dent couronne b_1* Largh. dente pign. b_1	7
Sprocket tooth width B_2 *Largeur dent couronne B_2* Largh. dente pign. B_2	21
Sprocket tooth width B_3 *Largeur dent couronne B_3* Largh. dente pign. B_3	34,9
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	12,7
Inner width *Largeur interne* Largh. interna	7,75
Roller ∅ *Rouleau* ∅ Rullo ∅	8,51

Material C 43 UNI 7847
Matériau C 43 UNI 7847
Materiale C 43 UNI 7847

Cod.	Descr.
CHP1/2S8	1/2 S Z 8
CHP1/2S9	1/2 S Z 9
CHP1/2S10	1/2 S Z 10
CHP1/2S11	1/2 S Z 11
CHP1/2S12	1/2 S Z 12
CHP1/2S13	1/2 S Z 13
CHP1/2S14	1/2 S Z 14
CHP1/2S15	1/2 S Z 15
CHP1/2S16	1/2 S Z 16
CHP1/2S17	1/2 S Z 17
CHP1/2S18	1/2 S Z 18
CHP1/2S19	1/2 S Z 19
CHP1/2S20	1/2 S Z 20
CHP1/2S21	1/2 S Z 21
CHP1/2S22	1/2 S Z 22
CHP1/2S23	1/2 S Z 23
CHP1/2S24	1/2 S Z 24
CHP1/2S25	1/2 S Z 25
CHP1/2S26	1/2 S Z 26
CHP1/2S28	1/2 S Z 28
CHP1/2S29	1/2 S Z 29
CHP1/2S30	1/2 S Z 30
CHP1/2S31	1/2 S Z 31
CHP1/2S32	1/2 S Z 32
CHP1/2S33	1/2 S Z 33
CHP1/2S34	1/2 S Z 34
CHP1/2S35	1/2 S Z 35
CHP1/2S36	1/2 S Z 36
CHP1/2S37	1/2 S Z 37
CHP1/2S38	1/2 S Z 38
CHP1/2S39	1/2 S Z 39
CHP1/2S40	1/2 S Z 40

Double 1/2” sprockets
Pignons 1/2” doubles
Pignoni 1/2” doppi

Cod.	Descr.
CHP1/2D8	1/2 D Z 8
CHP1/2D9	1/2 D Z 9
CHP1/2D10	1/2 D Z 10
CHP1/2D11	1/2 D Z 11
CHP1/2D12	1/2 D Z 12
CHP1/2D13	1/2 D Z 13
CHP1/2D14	1/2 D Z 14
CHP1/2D15	1/2 D Z 15
CHP1/2D16	1/2 D Z 16
CHP1/2D17	1/2 D Z 17
CHP1/2D18	1/2 D Z 18
CHP1/2D19	1/2 D Z 19
CHP1/2D20	1/2 D Z 20
CHP1/2D21	1/2 D Z 21
CHP1/2D22	1/2 D Z 22
CHP1/2D23	1/2 D Z 23
CHP1/2D24	1/2 D Z 24
CHP1/2D25	1/2 D Z 25
CHP1/2D26	1/2 D Z 26
CHP1/2D27	1/2 D Z 27
CHP1/2D28	1/2 D Z 28
CHP1/2D29	1/2 D Z 29
CHP1/2D30	1/2 D Z 30
CHP1/2D31	1/2 D Z 31
CHP1/2D32	1/2 D Z 32
CHP1/2D33	1/2 D Z 33
CHP1/2D34	1/2 D Z 34
CHP1/2D35	1/2 D Z 35
CHP1/2D36	1/2 D Z 36
CHP1/2D37	1/2 D Z 37
CHP1/2D38	1/2 D Z 38
CHP1/2D39	1/2 D Z 39
CHP1/2D40	1/2 D Z 40

Triple 1/2” sprockets
Pignons 1/2" triples
Pignoni 1/2” tripli

Cod.	Descr.
CHP1/2T8	1/2 T Z 8
CHP1/2T9	1/2 T Z 9
CHP1/2T10	1/2 T Z 10
CHP1/2T11	1/2 T Z 11
CHP1/2T12	1/2 T Z 12
CHP1/2T13	1/2 T Z 13
CHP1/2T14	1/2 T Z 14
CHP1/2T15	1/2 T Z 15
CHP1/2T16	1/2 T Z 16
CHP1/2T17	1/2 T Z 17
CHP1/2T18	1/2 T Z 18
CHP1/2T19	1/2 T Z 19
CHP1/2T20	1/2 T Z 20
CHP1/2T21	1/2 T Z 21
CHP1/2T22	1/2 T Z 22
CHP1/2T23	1/2 T Z 23
CHP1/2T24	1/2 T Z 24
CHP1/2T25	1/2 T Z 25
CHP1/2T26	1/2 T Z 26
CHP1/2T27	1/2 T Z 27
CHP1/2T28	1/2 T Z 28
CHP1/2T29	1/2 T Z 29
CHP1/2T30	1/2 T Z 30
CHP1/2T31	1/2 T Z 31
CHP1/2T32	1/2 T Z 32
CHP1/2T33	1/2 T Z 33
CHP1/2T34	1/2 T Z 34
CHP1/2T35	1/2 T Z 35
CHP1/2T36	1/2 T Z 36
CHP1/2T37	1/2 T Z 37
CHP1/2T38	1/2 T Z 38
CHP1/2T39	1/2 T Z 39
CHP1/2T40	1/2 T Z 40

Single 5/8” sprockets
Pignons 5/8” simples
Pignoni 5/8” semplici

SPROCKET *PIGNON* PIGNONE	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	16
Radius width c *Largeur rayon c* Larghezza raggio c	1,6
Sprocket tooth width B_1 *Largeur dent couronne B_1* Largh. dente pign. B_1	9,1
Sprocket tooth width b_1 *Largeur dent couronne b_1* Largh. dente pign. b_1	9
Sprocket tooth width B_2 *Largeur dent couronne B_2* Largh. dente pign. B_2	25,5
Sprocket tooth width B_3 *Largeur dent couronne B_3* Largh. dente pign. B_3	42,1
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	15,875
Inner width *Largeur interne* Largh. interna	9,65
Roller ∅ *Rouleau* ∅ Rullo ∅	10,16

Material C 43 UNI 7847
Matériau C 43 UNI 7847
Materiale C 43 UNI 7847

Cod.	Descr.
CHP5/8S8	5/8 S Z 8
CHP5/8S9	5/8 S Z 9
CHP5/8S10	5/8 S Z 10
CHP5/8S11	5/8 S Z 11
CHP5/8S12	5/8 S Z 12
CHP5/8S13	5/8 S Z 13
CHP5/8S14	5/8 S Z 14
CHP5/8S15	5/8 S Z 15
CHP5/8S16	5/8 S Z 16
CHP5/8S17	5/8 S Z 17
CHP5/8S18	5/8 S Z 18
CHP5/8S19	5/8 S Z 19
CHP5/8S20	5/8 S Z 20
CHP5/8S21	5/8 S Z 21
CHP5/8S22	5/8 S Z 22
CHP5/8S23	5/8 S Z 23
CHP5/8S24	5/8 S Z 24
CHP5/8S25	5/8 S Z 25
CHP5/8S26	5/8 S Z 26
CHP5/8S27	5/8 S Z 27
CHP5/8S28	5/8 S Z 28
CHP5/8S29	5/8 S Z 29
CHP5/8S30	5/8 S Z 30
CHP5/8S31	5/8 S Z 31
CHP5/8S32	5/8 S Z 32
CHP5/8S33	5/8 S Z 33
CHP5/8S34	5/8 S Z 34
CHP5/8S35	5/8 S Z 35
CHP5/8S36	5/8 S Z 36
CHP5/8S37	5/8 S Z 37
CHP5/8S38	5/8 S Z 38
CHP5/8S39	5/8 S Z 39
CHP5/8S40	5/8 S Z 40

Double 5/8” sprockets
Pignons 5/8” doubles
Pignoni 5/8” doppi

Cod.	Descr.
CHP5/8D8	5/8 D Z 8
CHP5/8D9	5/8 D Z 9
CHP5/8D10	5/8 D Z 10
CHP5/8D11	5/8 D Z 11
CHP5/8D12	5/8 D Z 12
CHP5/8D13	5/8 D Z 13
CHP5/8D14	5/8 D Z 14
CHP5/8D15	5/8 D Z 15
CHP5/8D16	5/8 D Z 16
CHP5/8D17	5/8 D Z 17
CHP5/8D18	5/8 D Z 18
CHP5/8D19	5/8 D Z 19
CHP5/8D20	5/8 D Z 20
CHP5/8D21	5/8 D Z 21
CHP5/8D22	5/8 D Z 22
CHP5/8D23	5/8 D Z 23
CHP5/8D24	5/8 D Z 24
CHP5/8D25	5/8 D Z 25
CHP5/8D26	5/8 D Z 26
CHP5/8D27	5/8 D Z 27
CHP5/8D28	5/8 D Z 28
CHP5/8D29	5/8 D Z 29
CHP5/8D30	5/8 D Z 30
CHP5/8D31	5/8 D Z 31
CHP5/8D32	5/8 D Z 32
CHP5/8D33	5/8 D Z 33
CHP5/8D34	5/8 D Z 34
CHP5/8D35	5/8 D Z 35
CHP5/8D36	5/8 D Z 36
CHP5/8D37	5/8 D Z 37
CHP5/8D38	5/8 D Z 38
CHP5/8D39	5/8 D Z 39
CHP5/8D40	5/8 D Z 40

Triple 5/8” sprockets
Pignons 5/8" triples
Pignoni 5/8” tripli

Cod.	Descr.
CHP5/8T8	5/8 T Z 8
CHP5/8T9	5/8 T Z 9
CHP5/8T10	5/8 T Z 10
CHP5/8T11	5/8 T Z 11
CHP5/8T12	5/8 T Z 12
CHP5/8T13	5/8 T Z 13
CHP5/8T14	5/8 T Z 14
CHP5/8T15	5/8 T Z 15
CHP5/8T16	5/8 T Z 16
CHP5/8T17	5/8 T Z 17
CHP5/8T18	5/8 T Z 18
CHP5/8T19	5/8 T Z 19
CHP5/8T20	5/8 T Z 20
CHP5/8T21	5/8 T Z 21
CHP5/8T22	5/8 T Z 22
CHP5/8T23	5/8 T Z 23
CHP5/8T24	5/8 T Z 24
CHP5/8T25	5/8 T Z 25
CHP5/8T26	5/8 T Z 26
CHP5/8T27	5/8 T Z 27
CHP5/8T28	5/8 T Z 28
CHP5/8T29	5/8 T Z 29
CHP5/8T30	5/8 T Z 30
CHP5/8T31	5/8 T Z 31
CHP5/8T32	5/8 T Z 32
CHP5/8T33	5/8 T Z 33
CHP5/8T34	5/8 T Z 34
CHP5/8T35	5/8 T Z 35
CHP5/8T36	5/8 T Z 36
CHP5/8T37	5/8 T Z 37
CHP5/8T38	5/8 T Z 38
CHP5/8T39	5/8 T Z 39
CHP5/8T40	5/8 T Z 40

Single 3/4” sprockets
Pignons 3/4” simples
Pignoni 3/4” semplici

SPROCKET *PIGNON* PIGNONE	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	19
Radius width c *Largeur rayon c* Larghezza raggio c	2
Sprocket tooth width B_1 *Largeur dent couronne B_1* Largh. dente pign. B_1	11,1
Sprocket tooth width b_1 *Largeur dent couronne b_1* Largh. dente pign. b_1	10,8
Sprocket tooth width B_2 *Largeur dent couronne B_2* Largh. dente pign. B_2	30,3
Sprocket tooth width B_3 *Largeur dent couronne B_3* Largh. dente pign. B_3	49,8
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	19,05
Inner width *Largeur interne* Largh. interna	11,68
Roller ∅ *Rouleau* ∅ Rullo ∅	12,07

Material C 43 UNI 7847
Matériau C 43 UNI 7847
Materiale C 43 UNI 7847

Cod.	Descr.
CHP3/4S9	3/4 S Z 9
CHP3/4S10	3/4 S Z 10
CHP3/4S11	3/4 S Z 11
CHP3/4S12	3/4 S Z 12
CHP3/4S13	3/4 S Z 13
CHP3/4S14	3/4 S Z 14
CHP3/4S15	3/4 S Z 15
CHP3/4S16	3/4 S Z 16
CHP3/4S17	3/4 S Z 17
CHP3/4S18	3/4 S Z 18
CHP3/4S19	3/4 S Z 19
CHP3/4S20	3/4 S Z 20
CHP3/4S21	3/4 S Z 21
CHP3/4S22	3/4 S Z 22
CHP3/4S23	3/4 S Z 23
CHP3/4S24	3/4 S Z 24
CHP3/4S25	3/4 S Z 25
CHP3/4S26	3/4 S Z 26
CHP3/4S27	3/4 S Z 27
CHP3/4S28	3/4 S Z 28
CHP3/4S29	3/4 S Z 29
CHP3/4S30	3/4 S Z 30
CHP3/4S31	3/4 S Z 31
CHP3/4S32	3/4 S Z 32
CHP3/4S33	3/4 S Z 33
CHP3/4S34	3/4 S Z 34
CHP3/4S35	3/4 S Z 35
CHP3/4S36	3/4 S Z 36
CHP3/4S37	3/4 S Z 37
CHP3/4S38	3/4 S Z 38
CHP3/4S39	3/4 S Z 39
CHP3/4S40	3/4 S Z 40
CHP3/4S8	3/4 S Z 8

Double 3/4” sprockets
Pignons 3/4” doubles
Pignoni 3/4” doppi

Cod.	Descr.
CHP3/4D8	3/4 D Z 8
CHP3/4D9	3/4 D Z 9
CHP3/4D10	3/4 D Z 10
CHP3/4D11	3/4 D Z 11
CHP3/4D12	3/4 D Z 12
CHP3/4D13	3/4 D Z 13
CHP3/4D14	3/4 D Z 14
CHP3/4D15	3/4 D Z 15
CHP3/4D16	3/4 D Z 16
CHP3/4D17	3/4 D Z 17
CHP3/4D18	3/4 D Z 18
CHP3/4D19	3/4 D Z 19
CHP3/4D20	3/4 D Z 20
CHP3/4D21	3/4 D Z 21
CHP3/4D22	3/4 D Z 22
CHP3/4D23	3/4 D Z 23
CHP3/4D24	3/4 D Z 24
CHP3/4D25	3/4 D Z 25
CHP3/4D26	3/4 D Z 26
CHP3/4D27	3/4 D Z 27
CHP3/4D28	3/4 D Z 28
CHP3/4D29	3/4 D Z 29
CHP3/4D30	3/4 D Z 30
CHP3/4D31	3/4 D Z 31
CHP3/4D32	3/4 D Z 32
CHP3/4D33	3/4 D Z 33
CHP3/4D34	3/4 D Z 34
CHP3/4D35	3/4 D Z 35
CHP3/4D36	3/4 D Z 36
CHP3/4D37	3/4 D Z 37
CHP3/4D38	3/4 D Z 38
CHP3/4D39	3/4 D Z 39
CHP3/4D40	3/4 D Z 40

Triple 3/4” sprockets
Pignons 3/4” triples
Pignoni 3/4” tripli

Cod.	Descr.
CHP3/4T8	3/4 T Z 8
CHP3/4T9	3/4 T Z 9
CHP3/4T10	3/4 T Z 10
CHP3/4T11	3/4 T Z 11
CHP3/4T12	3/4 T Z 12
CHP3/4T13	3/4 T Z 13
CHP3/4T14	3/4 T Z 14
CHP3/4T15	3/4 T Z 15
CHP3/4T16	3/4 T Z 16
CHP3/4T17	3/4 T Z 17
CHP3/4T18	3/4 T Z 18
CHP3/4T19	3/4 T Z 19
CHP3/4T20	3/4 T Z 20
CHP3/4T21	3/4 T Z 21
CHP3/4T22	3/4 T Z 22
CHP3/4T23	3/4 T Z 23
CHP3/4T24	3/4 T Z 24
CHP3/4T25	3/4 T Z 25
CHP3/4T26	3/4 T Z 26
CHP3/4T27	3/4 T Z 27
CHP3/4T28	3/4 T Z 28
CHP3/4T29	3/4 T Z 29
CHP3/4T30	3/4 T Z 30
CHP3/4T31	3/4 T Z 31

Transmission coupler
Organs de trasmission
Organi di trasmissione

Single 1” sprockets
Pignons 1” simples
Pignoni 1” semplici

SPROCKET *PIGNON* PIGNONE	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	26
Radius width c *Largeur rayon c* Larghezza raggio c	2,5
Sprocket tooth width B_1 *Largeur dent couronne B_1* Largh. dente pign. B_1	16,2
Sprocket tooth width b_1 *Largeur dent couronne b_1* Largh. dente pign. b_1	15,8
Sprocket tooth width B_2 *Largeur dent couronne B_2* Largh. dente pign. B_2	47,7
Sprocket tooth width B_3 *Largeur dent couronne B_3* Largh. dente pign. B_3	79,6
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	25,4
Inner width *Largeur interne* Largh. interna	17,02
Roller ∅ *Rouleau* ∅ Rullo ∅	15,88

Material C 43 UNI 7847
*** Material Fe - with welded hub**
Matériau C 43 UNI 7847
** Matériau Fe - avec moyeu soudé*
Materiale C 43 UNI 7847
* Materiale Fe - con mozzo saldato

Cod.	Descr.
CHP1S8	1" S Z 8
CHP1S9	1" S Z 9
CHP1S10	1" S Z 10
CHP1S11	1" S Z 11
CHP1S12	1" S Z 12
CHP1S13	1" S Z 13
CHP1S14	1" S Z 14
CHP1S15	1" S Z 15
CHP1S16	1" S Z 16
CHP1S17	1" S Z 17
CHP1S18	1" S Z 18
CHP1S19	1" S Z 19
CHP1S20	1" S Z 20
CHP1S21	1" S Z 21
CHP1S22	1" S Z 22
CHP1S23	1" S Z 23
CHP1S24	1" S Z 24
CHP1S25	1" S Z 25
CHP1S26	1" S Z 26
CHP1S27	1" S Z 27
CHP1S28	1" S Z 28
CHP1S29	1" S Z 29
CHP1S30	1" S Z 30
CHP1S31	1" S Z 31
CHP1S32	1" S Z 32
CHP1S33	1" S Z 33
CHP1S34	1" S Z 34
CHP1S35	1" S Z 35
CHP1S36	1" S Z 36
CHP1S37	1" S Z 37
CHP1S38	1" S Z 38
CHP1S39	1" S Z 39
CHP1S40	1" S Z 40

Double 1” sprockets
Pignons 1” doubles
Pignoni 1” doppi

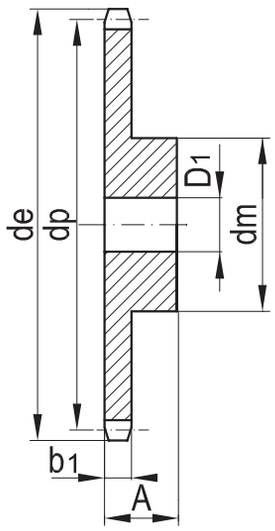
Cod.	Descr.
CHP1D29	1" D Z 29
CHP1D30	1" D Z 30
CHP1D8	1" D Z 8
CHP1D9	1" D Z 9
CHP1D10	1" D Z 10
CHP1D11	1" D Z 11
CHP1D12	1" D Z 12
CHP1D13	1" D Z 13
CHP1D14	1" D Z 14
CHP1D15	1" D Z 15
CHP1D16	1" D Z 16
CHP1D17	1" D Z 17
CHP1D18	1" D Z 18
CHP1D19	1" D Z 19
CHP1D20	1" D Z 20
CHP1D21	1" D Z 21
CHP1D22	1" D Z 22
CHP1D23	1" D Z 23
CHP1D24	1" D Z 24
CHP1D25	1" D Z 25
CHP1D26	1" D Z 26
CHP1D27	1" D Z 27
CHP1D28	1" D Z 28

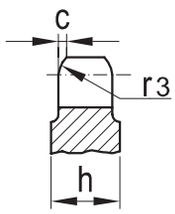
Triple 1” sprockets
Pignons 1” triples
Pignoni 1” tripli

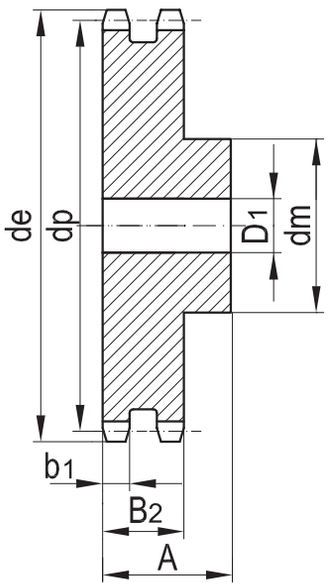
Cod.	Descr.
CHP1T8	1" T Z 8
CHP1T9	1" T Z 9
CHP1T10	1" T Z 10
CHP1T11	1" T Z 11
CHP1T12	1" T Z 12
CHP1T13	1" T Z 13
CHP1T14	1" T Z 14
CHP1T15	1" T Z 15
CHP1T16	1" T Z 16
CHP1T17	1" T Z 17
CHP1T18	1" T Z 18
CHP1T19	1" T Z 19

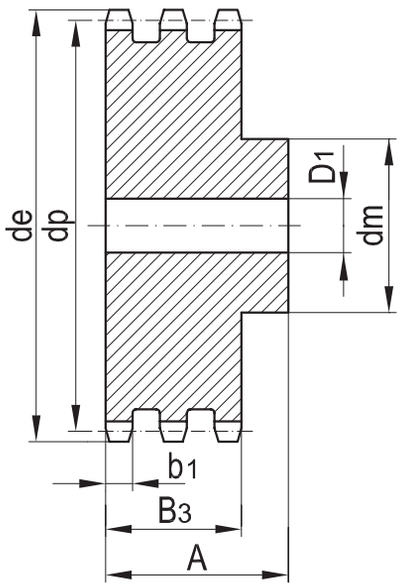
Cod.	Descr.
CHP1T20	1" T Z 20
CHP1T21	1" T Z 21
CHP1T22	1" T Z 22
CHP1T23	1" T Z 23
CHP1T24	1" T Z 24
CHP1T25	1" T Z 25
CHP1T26	1" T Z 26
CHP1T27	1" T Z 27
CHP1T28	1" T Z 28
CHP1T29	1" T Z 29
CHP1T30	1" T Z 30

Single 1”1/4 sprockets
Pignons 1”1/4 simples
Pignoni 1”1/4 semplici









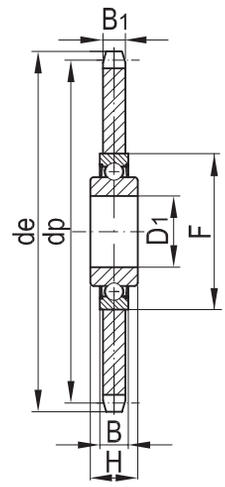
SPROCKET *PIGNON* PIGNONE	**mm**
Tooth radius r_3 *Rayon dent r_3* Raggio dente r_3	32
Radius width c *Largeur rayon c* Larghezza raggio c	3,5
Sprocket tooth width B_1 *Largeur dent couronne B_1* Largh. dente pign. B_1	18,5
Sprocket tooth width b_1 *Largeur dent couronne b_1* Largh. dente pign. b_1	18,2
Sprocket tooth width B_2 *Largeur dent couronne B_2* Largh. dente pign. B_2	54,6
Sprocket tooth width B_3 *Largeur dent couronne B_3* Largh. dente pign. B_3	91
CHAIN *CHAINE* CATENA	**mm**
Pitch *Pas* Passo	31,75
Inner width *Largeur interne* Largh. interna	19,56
Roller ∅ *Rouleau ∅* Rullo ∅	19,05

Material C 43 UNI 7847
*** Material Fe - with welded hub**
Matériau C 43 UNI 7847
** Matériau Fe - avec moyeu soudé*
Materiale C 43 UNI 7847
* Materiale Fe - con mozzo saldato

Cod.	Descr.
CHP11/4S8	1 1/4 S Z 8
CHP11/4S9	1 1/4 S Z 9
CHP11/4S10	1 1/4 S Z 10
CHP11/4S11	1 1/4 S Z 11
CHP11/4S12	1 1/4 S Z 12
CHP11/4S13	1 1/4 S Z 13
CHP11/4S14	1 1/4 S Z 14
CHP11/4S15	1 1/4 S Z 15
CHP11/4S16	1 1/4 S Z 16

Cod.	Descr.
CHP11/4S17	1 1/4 S Z 17
CHP11/4S18	1 1/4 S Z 18
CHP11/4S19	1 1/4 S Z 19
CHP11/4S20	1 1/4 S Z 20
CHP11/4S21	1 1/4 S Z 21
CHP11/4S22	1 1/4 S Z 22
CHP11/4S23	1 1/4 S Z 23
CHP11/4S24	1 1/4 S Z 24
CHP11/4S25	1 1/4 S Z 25

Chain tightener sprockets
Pignons tendeurs de chaîne
Pignoni tendicatena



Z	Pitch *Pas* Passo	d_e	d_p	A	D1	F	B	H
23	8 x 3	62,15	58,75	2,8	16 $^{+0,26}_{+0,13}$	40	12	18,3
21	3/8” x 7/32”	68,0	63,90	5,3	16 $^{+0,26}_{+0,13}$	40	12	18,3
22	3/8” x 7/32”	71,0	66,93	5,3	16 $^{+0,26}_{+0,13}$	40	12	18,3
18	1/2” x 1/8”	78,9	73,14	3,0	16 $^{+0,26}_{+0,13}$	40	12	18,3
18	1/2” x 3/16”	78,9	73,13	4,5	16 $^{+0,26}_{+0,13}$	40	12	18,3
16	1/2” x 5/16”	69,5	65,10	7,2	16 $^{+0,26}_{+0,13}$	40	12	18,3
18	1/2” x 5/16”	77,8	73,14	7,2	16 $^{+0,26}_{+0,13}$	40	12	18,3
14	5/8” x 3/8”	78,0	71,34	9,1	16 $^{+0,26}_{+0,13}$	40	12	18,3
15	5/8” x 3/8”	83,0	76,36	9,1	16 $^{+0,26}_{+0,13}$	40	12	18,3
17	5/8” x 3/8”	93,0	86,39	9,1	16 $^{+0,26}_{+0,13}$	40	12	18,3
13	3/4” x 7/16”	87,5	79,59	11,1	16 $^{+0,26}_{+0,13}$	40	12	18,3
15	3/4” x 7/16”	99,8	91,63	11,1	16 $^{+0,26}_{+0,13}$	40	12	18,3
12	1” x 17,02	109,0	98,14	16,2	20 $^{+0}_{-0,01}$	47	14	17,7
13	1” 1/4 x 3/4”	147,8	132,65	18,5	25 $^{+0}_{-0,01}$	52	15	21,0

Cod.	Descr.
CHT11/4Z13	1 1/4 Z 13
CHT1Z12	1" Z 12
CHT1/2Z16	1/2 Z 16
CHT1/2Z18	1/2 Z 18
CHT3/4Z13	3/4 Z 13

Cod.	Descr.
CHT3/4Z15	3/4 Z 15
CHT3/8Z21	3/8 Z 21
CHT5/8Z14	5/8 Z 14
CHT5/8Z15	5/8 Z 15
CHT5/8Z17	5/8 Z 17

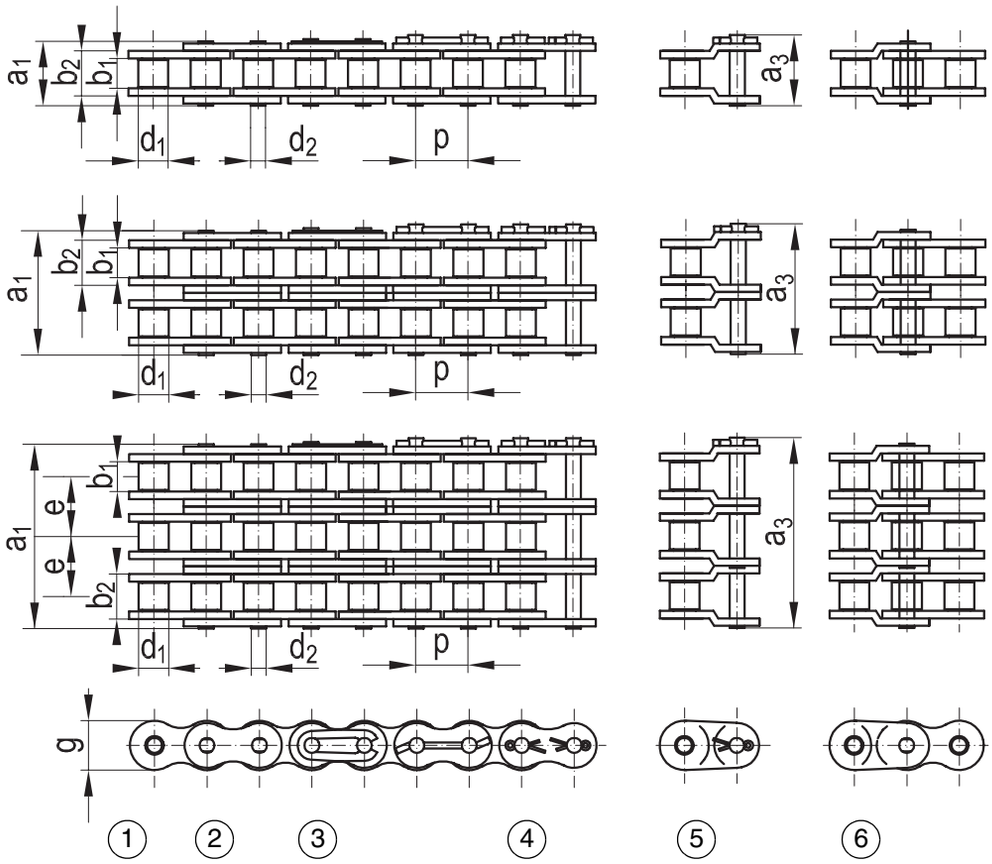
ISO/DIN european roller chains

Chaînes à rouleaux série européenne ISO/DIN
Catene a rulli serie europea ISO/DIN

1 - Inner link
2 - Pin link
3 - Spring clip connecting link
4 - Cottered connecting link
5 - Offset link
6 - Double offset link

1 - Maille interne
2 - Maille externe
3 - Maille joint en fourche
4 - Maille joint goupillée
5 - Maille fausse
6 - Maille fausse double

1 - Maglia interna
2 - Maglia esterna
3 - Maglia giunto a forcella
4 - Maglia giunto copigliata
5 - Maglia falsa
6 - Maglia falsa doppia



Single roller chains DIN 8187 / ISO R606

Chaînes à rouleaux simples DIN 8187 / ISO R606
Catene a rulli semplici DIN 8187 / ISO R606

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
03	5,0	2,5	3,2	1,49	4,15	4,1	7,4	7,64	0,06	2 000	0,08
04	6,0	2,8	4,0	1,85	4,1	5,0	7,4	7,7	0,08	3 000	0,12
05 B - 1	8,0	3,0	5,0	2,31	4,77	7,1	8,6	11,7	0,11	5 000	0,18
06 B - 1	9,525	5,72	6,35	3,28	8,53	8,3	13,5	16,8	0,28	9 000	0,41
081	12,7	3,3	7,75	3,66	5,8	9,9	10,2	11,7	0,21	8 200	0,28
083	12,7	4,88	7,75	4,09	7,9	10,3	12,9	14,4	0,32	12 000	0,42

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
084	12,7	4,88	7,75	4,09	8,8	11,1	14,8	16,3	0,32	16 000	0,59
085	12,7	6,38	7,77	3,58	9,07	9,9	14,0	16,0	0,32	6 800	0,38
08 B - 1	12,7	7,75	8,51	4,45	11,3	11,6	16,7	19,0	0,50	18 000	0,7
10 B - 1	15,875	9,65	10,16	5,08	13,28	14,6	18,9	22,0	0,67	22 400	0,9
12 B - 1	19,05	11,68	12,07	5,72	15,62	15,9	22,3	25,1	0,89	29 000	1,15
16 B - 1	25,4	17,02	15,88	8,28	25,4	20,5	35,4	42,4	2,10	60 000	2,6
20 B - 1	31,75	19,56	19,05	10,19	29,0	25,7	40,4	47,6	2,96	95 000	3,7
24 B - 1	38,1	25,4	25,4	14,63	37,9	33,0	53,8	60,6	5,54	160 000	6,9
28 B - 1	44,45	30,99	27,94	15,90	46,5	37,0	63,3	72,8	7,50	200 000	8,6
32 B - 1	50,8	30,99	29,21	17,81	45,5	41,2	65,1	73,6	8,11	250 000	9,5
40 B - 1	63,5	38,1	39,37	22,89	55,7	51,5	78,9	91,3	12,76	355 000	15,1
48 B - 1	76,2	45,72	48,26	29,24	70,5	63,5	98,5	124,0	20,63	560 000	24,5
56 B - 1	88,9	53,34	53,98	34,32	81,3	77,0	114,7	140,0	27,91	850 000	36,5

Double roller chains DIN 8187 / ISO R606
Chaînes à rouleaux doubles DIN 8187 / ISO R606
Catene a rulli doppie DIN 8187 / ISO R606

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	e mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
06 B - 2	9,525	5,72	6,35	3,28	8,53	8,3	10,24	23,8	27,1	0,55	16 000	0,78
08 B - 2	12,7	7,75	8,51	4,45	11,3	11,6	13,92	30,6	33,0	1,00	32 000	1,40
10 B - 2	15,875	9,65	10,16	5,08	13,28	14,6	16,59	35,5	38,6	1,34	40 000	1,80
12 B - 2	19,05	11,68	12,07	5,72	15,62	15,9	19,46	41,7	44,4	1,78	53 000	2,30
16 B - 2	25,4	17,02	15,88	8,28	25,4	20,5	31,88	67,4	74,0	4,21	106 000	5,30
20 B - 2	31,75	19,56	19,05	10,19	29,0	25,7	36,45	76,9	83,6	5,91	170 000	7,25
24 B - 2	38,1	25,4	25,4	14,63	37,9	33,0	48,36	102,2	112,7	11,09	280 000	13,75
28 B - 2	44,45	30,99	27,94	15,90	46,5	37,0	59,56	122,8	132,7	14,81	360 000	17,30
32 B - 2	50,8	30,99	29,21	17,81	45,5	41,2	58,66	123,6	132,4	16,23	450 000	18,80
40 B - 2	63,5	38,1	39,37	22,89	55,7	51,5	72,29	151,2	163,8	25,52	630 000	29,90
48 B - 2	76,2	45,72	48,26	29,24	70,5	63,5	91,21	189,7	215,2	41,26	1 000 000	48,60
56 B - 2	88,9	53,34	53,98	34,32	81,3	77,0	106,6	221,3	246,5	55,82	1 600 000	72,50

Triple roller chains DIN 8187 / ISO R606
Chaînes à rouleaux triples DIN 8187 / ISO R606
Catene a rulli triple DIN 8187 / ISO R606

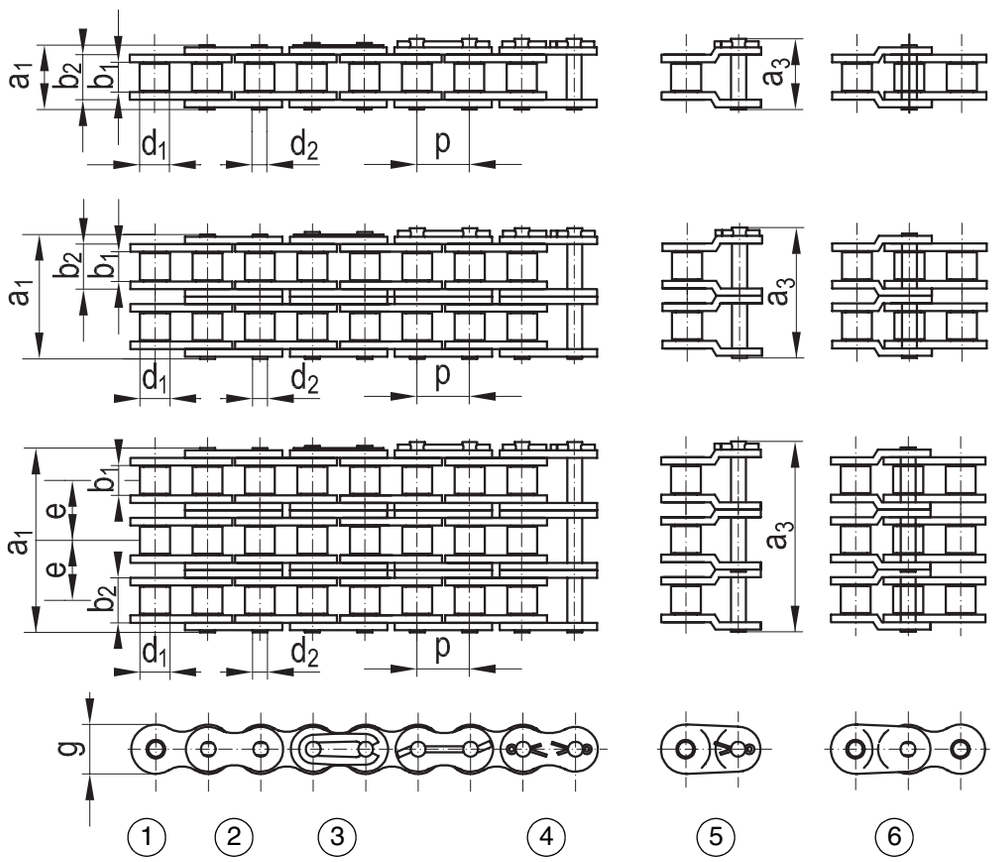
UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	e mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
06 B - 3	9,525	5,72	6,35	3,28	8,53	8,3	10,24	34,0	37,3	0,83	23 600	1,18
08 B - 3	12,7	7,75	8,51	4,45	11,3	11,6	13,92	44,6	47,2	1,5	47 500	2,10
10 B - 3	15,875	9,65	10,16	5,08	13,28	14,6	16,59	52,2	55,6	2,02	60 000	2,60
12 B - 3	19,05	11,68	12,07	5,72	15,62	15,9	19,46	61,3	65,2	2,68	80 000	3,40
16 B - 3	25,4	17,02	15,88	8,28	25,4	20,5	31,88	99,3	107,2	6,32	160 000	7,80
20 B - 3	31,75	19,56	19,05	10,19	29,0	25,7	36,45	113,4	121,2	8,86	250 000	10,85
24 B - 3	38,1	25,4	25,4	14,63	37,9	33,0	48,36	150,5	160,4	16,64	425 000	20,50
28 B - 3	44,45	30,99	27,94	15,90	46,5	37,0	59,56	182,3	192,2	22,21	530 000	25,75
32 B - 3	50,8	30,99	29,21	17,81	45,5	41,2	58,55	182,2	191,0	24,34	670 000	27,95
40 B - 3	63,5	38,1	39,37	22,89	55,7	51,5	72,29	223,5	236,1	38,28	950 000	44,80
48 B - 3	76,2	45,72	48,26	29,24	70,5	63,5	91,21	281,0	306,5	61,89	1 500 000	72,50
56 B - 3	88,9	53,34	53,98	34,32	81,3	77,0	106,6	328,0	353,2	83,73	2 240 000	109,00

ANSI american roller chains
Chaînes à rouleaux série américaine ANSI
Catene a rulli serie americana ANSI

1 - Inner link
2 - Pin link
3 - Spring clip connecting link
4 - Cottered connecting link
5 - Offset link
6 - Double offset link

1 - Maille interne
2 - Maille externe
3 - Maille joint en fourche
4 - Maille joint goupillée
5 - Maille fausse
6 - Maille fausse double

1 - Maglia interna
2 - Maglia esterna
3 - Maglia giunto a forcella
4 - Maglia giunto copigliata
5 - Maglia falsa
6 - Maglia falsa doppia



Single roller chains DIN 8188 / ANSI
Chaînes à rouleaux simples DIN 8188 / ANSI
Catene a rulli semplici DIN 8188 / ANSI

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
04 C - 1	6,35	3,18	3,3	2,4	4,87	5,7	7,72	9,7	0,11	4 000	0,13
06 C - 1	9,525	4,68	5,08	3,58	7,47	9,0	12,0	14,4	0,27	7 900	0,33
08 A - 1	12,7	7,85	7,95	3,96	11,15	11,6	16,3	19,1	0,44	14 100	0,62
10 A - 1	15,875	9,4	10,16	5,08	13,8	14,6	20,3	23,0	0,70	22 200	1,01
12 A - 1	19,05	12,57	11,91	5,94	17,7	17,7	25,7	28,6	1,05	31 800	1,48

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
16 A - 1	25,4	15,75	15,88	7,92	22,5	23,5	33,0	38,0	1,78	56 700	2,6
20 A - 1	31,75	18,9	19,05	9,53	27,4	29,2	39,4	44,9	2,61	88 500	3,76
24 A - 1	38,1	25,22	22,23	11,1	35,3	34,4	49,8	56,1	3,92	127 000	5,5
28 A - 1	44,45	25,22	25,4	12,7	37,0	40,8	53,4	59,3	4,7	172 400	7,2
32 A - 1	50,8	31,55	28,58	14,27	45,0	47,8	63,6	68,9	6,42	226 800	10,3
36 A - 1	57,15	35,72	35,72	17,46	50,5	54	71,3	80,0	8,8	282 000	14,0
40 A - 1	63,5	37,85	39,68	19,84	54,7	60	78,0	87,5	10,85	353 800	16,8
48 A - 1	76,2	47,35	47,63	23,8	67,5	70	94,8	106,7	16,07	510 300	25,0

Double roller chains DIN 8188 / ANSI
Chaînes à rouleaux doubles DIN 8188 / ANSI
Catene a rulli doppie DIN 8188 / ANSI

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	e mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
04 C - 2	6,35	3,18	3,3	2,4	4,87	5,8	6,4	14,22	15,9	0,22	7 600	0,26
06 C - 2	9,525	4,68	5,08	3,58	7,47	8,3	10,13	22,1	24,5	0,53	15 800	0,65
08 A - 2	12,7	7,85	7,95	3,96	11,15	11,6	14,38	30,7	33,5	0,88	28 200	1,22
10 A - 2	15,875	9,4	10,16	5,08	13,8	14,6	18,11	38,5	41,3	1,40	44 400	2,00
12 A - 2	19,05	12,57	11,91	5,94	17,7	17,7	22,78	48,5	51,5	2,10	63 600	2,95
16 A - 2	25,4	15,75	15,88	7,92	22,5	23,5	29,29	62,4	67,1	3,56	113 400	5,20
20 A - 2	31,75	18,9	19,05	9,53	27,4	29,2	35,76	75,3	87,8	5,22	177 000	7,60
24 A - 2	38,1	25,22	22,23	11,1	35,3	34,4	45,44	95,3	101,6	7,84	254 000	10,80
28 A - 2	44,45	25,22	25,4	12,7	37,0	40,8	48,87	103,3	109,6	9,4	344 800	14,2
32 A - 2	50,8	31,55	28,58	14,27	45,0	47,8	58,55	122,1	130,1	12,84	453 600	19,5
36 A - 2	57,15	35,72	35,72	17,46	50,6	54	65,35	136,7	145,4	17,6	564 000	27,0
40 A - 2	63,5	37,85	39,68	19,84	54,7	60	71,55	149,6	159,2	21,7	707 600	32,7
48 A - 2	76,2	47,35	47,63	23,8	67,5	70	87,83	182,7	194,7	32,13	1 020 600	49,4

Triple roller chains DIN 8188 / ANSI
Chaînes à rouleaux triples DIN 8188 / ANSI
Catene a rulli triple DIN 8188 / ANSI

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	e mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
06 C - 3	9,525	4,68	5,08	3,58	7,47	8,3	10,13	32,3	34,7	0,80	23 700	0,97
08 A - 3	12,7	7,85	7,95	3,96	11,15	11,6	14,48	45,1	48,0	1,32	42 300	1,83
10 A - 3	15,875	9,4	10,16	5,08	13,8	14,6	18,11	56,7	59,8	2,10	66 600	2,97
12 A - 3	19,05	12,57	11,91	5,94	17,7	17,7	22,78	71,4	75,6	3,15	95 400	4,35
16 A - 3	25,4	15,75	15,88	7,92	22,5	23,5	29,29	91,7	97,7	5,35	170 100	7,9
20 A - 3	31,75	18,9	19,05	9,53	27,4	29,2	35,76	111,1	117,2	7,83	265 500	11,4
24 A - 3	38,1	25,22	22,23	11,1	35,3	34,4	45,44	140,7	148,3	11,76	381 000	15,8
28 A - 3	44,45	25,22	25,4	12,7	37,0	40,8	48,87	151,2	158,5	14,1	517 200	21,5
32 A - 3	50,8	31,55	28,58	14,27	45,0	47,8	58,55	180,7	188,7	19,26	680 400	26,3
36 A - 3	57,15	35,72	35,72	17,46	50,5	54	65,35	202	210,7	26,4	846 000	40,5
40 A - 3	63,5	37,85	39,68	19,84	54,7	60	71,55	221,1	230,7	32,56	1 061 400	48,8
48 A - 3	76,2	47,35	47,63	23,8	67,5	70	87,83	270,6	282,5	48,2	1 530 900	74,1

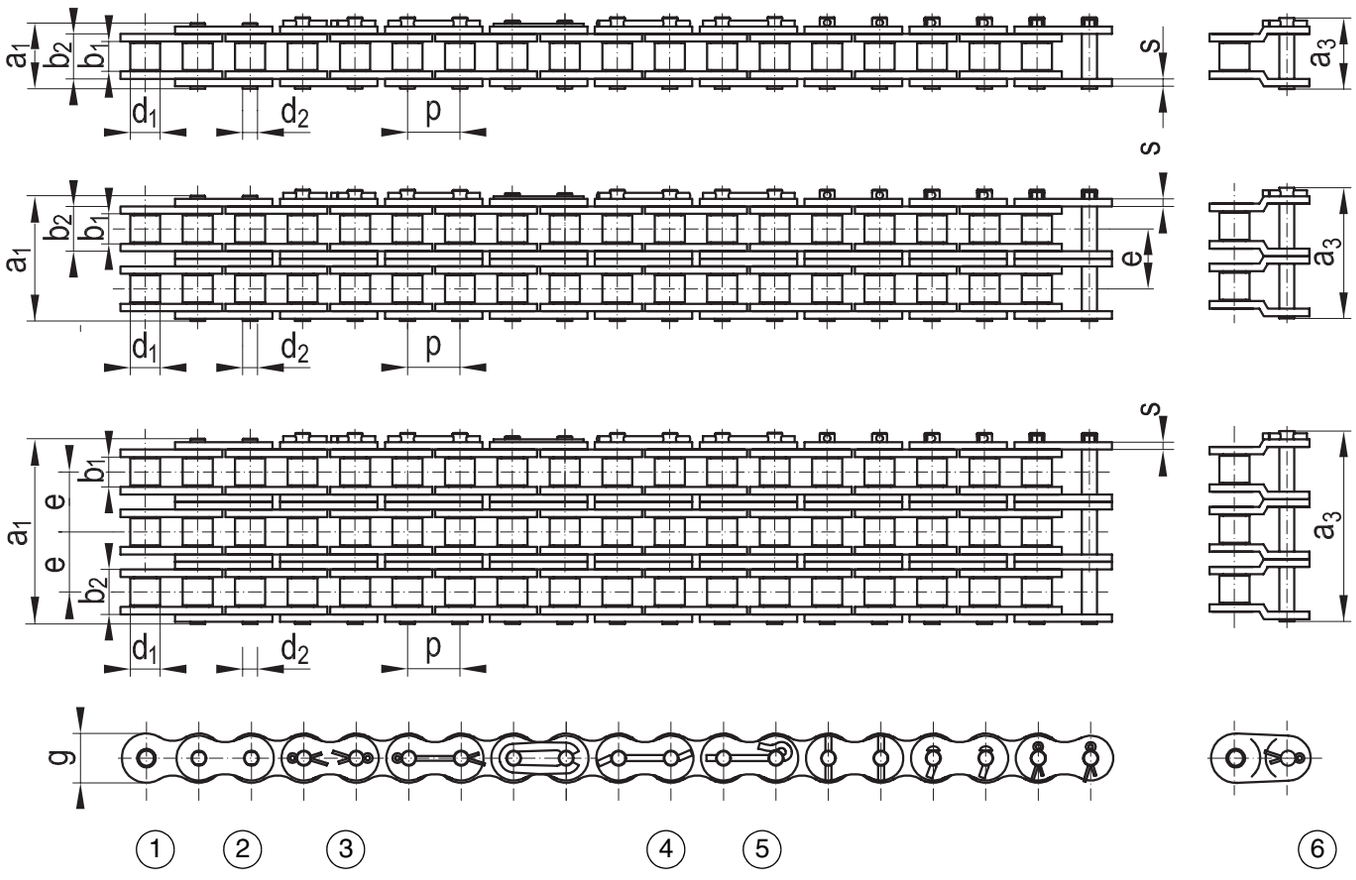
ANSI-H american heavy-duty roller chains

Chaînes à rouleaux série americaine ANSI- H renforcés
Catene e rulli serie americana ANSI- H rinforzata

1 - Inner link
2 - Pin link
3 - Cottered connecting link
4 - Elastic pin connecting link
5 - Link with T-shaped spring pin
6 - Offset link

1 - Maille interne
2 - Maille externe
3 - Maille joint goupillée
4 - Maille joint avec pointes élastiques
5 - Maille avec goupille avec tête en T
6 - Maille fausse

1 - Maglia interna
2 - Maglia esterna
3 - Maglia giunto copigliata
4 - Maglia giunto con spine elastiche
5 - Maglia con copiglia con testa a T
6 - Maglia falsa



Heavier series with increased fatigue resistance (thanks to thicker link plates)
Série lourde avec plus grande résistance à la fatigue (épaisseur de la plaque majorée)
Serie pesante con più alta resistenza a fatica (spessore della piastra maggiorato)

Single ANSI roller chains
Chaînes à rouleaux simples ANSI
Catene a rulli semplici ANSI

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
19,05	12,57	11,91	5,94	19,35	3,05	17,7	28,8	32,0	1,15	31 800	1,97
25,4	15,75	15,88	7,92	24,2	4,0	23,5	35,9	41,0	1,92	56 700	3,2
31,75	18,9	19,05	9,53	29,1	4,7	29,2	42,8	48,2	2,77	88 500	4,4
38,1	25,22	22,23	11,1	36,9	5,5	34,5	53,0	59,0	4,12	127 000	6,4
44,45	25,22	25,4	12,7	38,7	6,3	40,8	56,6	62,6	4,93	172 400	8,3
50,8	31,55	28,58	14,27	46,9	7,0	47,8	67,2	72,3	6,69	226 800	11,5
63,5	37,85	39,68	19,84	57,9	9,5	60,0	84,0	93,5	11,45	353 800	20,0

Double ANSI roller chains
Chaînes à rouleaux doubles ANSI
Catene a rulli doppie ANSI

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	e mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
19,05	12,57	11,91	5,94	19,35	3,05	17,7	26,1	54,9	58,0	2,3	63 600	3,95
25,4	15,75	15,88	7,92	24,2	4,0	23,5	32,59	68,6	73,7	3,85	113 400	6,3
31,75	18,9	19,05	9,53	29,1	4,7	29,2	39,12	82,0	97,8	5,55	177 000	9,0
38,1	25,22	22,23	11,1	36,9	5,5	34,5	48,92	101,8	109,5	8,25	254 000	12,6
44,45	25,22	25,4	12,7	38,7	6,3	40,8	52,2	108,7	116,0	9,86	344 000	16,2
50,8	31,55	28,58	14,27	46,9	7,0	47,8	61,87	128,6	136,8	13,4	453 600	22,00
63,5	37,85	39,68	19,84	57,9	9,5	60,0	77,55	161,6	171,2	22,9	707 600	39,0

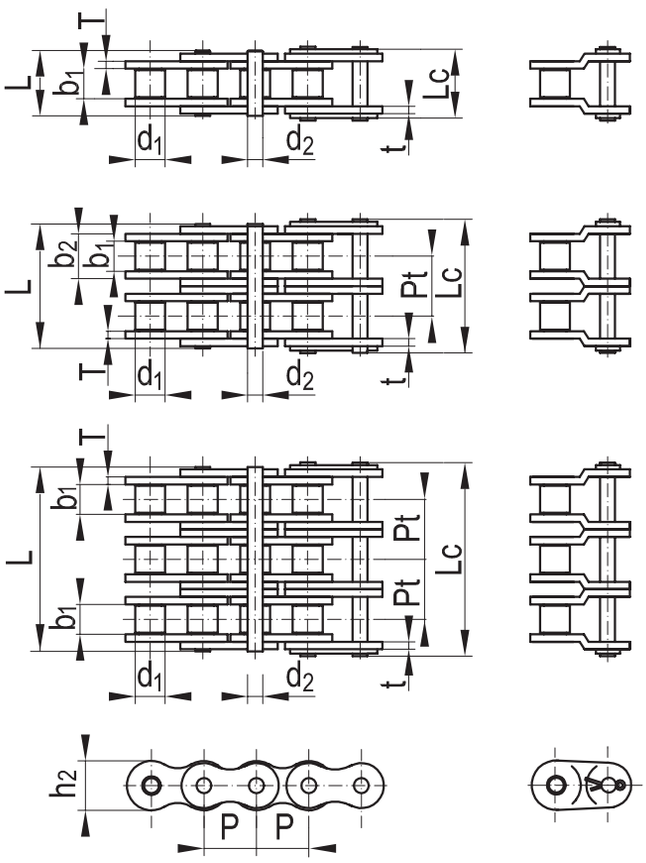
Triple ANSI roller chains
Chaînes à rouleaux triples ANSI
Catene a rulli triple ANSI

UNI - ISO	p mm	b_1 mm	d_1 mm	d_2 mm	b_2 mm	g mm	e mm	a_1 mm	a_3 mm	**Working surface** *Surface de travail* Superficie di lavoro cm^2	**Min. breaking load** *Chargement min. de rupture* Carico di rottura minimo N	**Mass** *Masse* Massa kg/m
19,05	12,57	11,91	5,94	19,35	3,05	17,7	26,1	81,1	84,4	3,45	95 400	5,8
25,4	15,75	15,88	7,92	24,2	4,0	23,5	32,59	101,2	106,3	5,75	170 100	9,6
31,75	18,9	19,05	9,53	29,1	4,7	29,2	39,12	120,0	126,6	8,3	265 500	13,4
38,1	25,22	22,23	11,1	36,9	5,5	34,5	48,92	150,8	158,7	12,35	381 000	19,5
44,45	25,22	25,4	12,7	38,7	6,3	40,8	52,2	160,9	168,3	14,8	517 200	24,7
50,8	31,55	28,58	14,27	46,9	7,0	47,8	61,87	198,0	198,7	20,1	680 400	29,4
63,5	37,85	39,68	19,84	57,9	9,5	60,0	77,55	239,1	248,7	34,35	1 061 400	58,0

Transmission coupler
Organs de trasmission
Organi di trasmissione

Transmission chain
Chaîne de trasmission
Catena di trasmissione

Short Pitch Precision Roller Chain (B Series)
Chaîne à rouleaux de précision à pas court (Séerie B)
Catena a rulli di precisione a passo corto (Serie B)



DIN ISO No.	P		d 1 max mm	b 1 min mm	d 2 max mm	t/T mm	h 2 max mm	Pt mm	L max mm	Lc max mm	U.T.S KN	A.T.S KN	q ≈ kg/m
	mm	inch											
04B	6.00		4.00	2.80	1.85	0.60	5.00	-	7.40	10.30	3.00	3.60	0.12
05B-1	8.00		5.00	3.00	2.31	0.80	7.10	-	7.95	11.70	5.00	6.00	0.19
05B-2								5.64	13.60	14.90	6.50	7.80	0.33
06B-1	9.525	3/8"	6.35	5.72	3.28	1.30	8.26	-	13.15	13.50	9.00	10.80	0.38
06B-2								10.24	23.40	23.80	16.90	20.28	0.74
06B-3								10.24	33.60	34.00	24.90	29.88	1.10
08B-1	12.70	1/2"	8.51	7.75	4.45	1.60	11.80	-	16.85	18.20	18.00	21.60	0.74
08B-2								13.92	30.70	32.20	31.10	37.32	1.47
08B-3								13.92	44.60	46.00	46.65	55.98	2.20
10B-1	15.875	5/8"	10.16	9.65	5.08	1.70	14.60	-	19.50	20.50	22.40	26.88	0.95
10B-2								16.59	36.00	37.20	44.50	53.40	1.88
10B-3								16.59	52.60	53.80	66.70	80.04	2.81
12B-1	19.05	3/4"	12.07	11.68	5.72	1.85	16.10	-	22.45	23.40	29.00	34.80	1.23
12B-2								19.46	42.10	42.90	57.80	69.36	2.42
12B-3								19.46	61.60	62.30	86.70	104.04	3.61
16B-1	25.40	1"	15.88	17.02	8.28	3.24	21.00	-	35.50	36.70	60.00	72.00	2.77
16B-2								31.88	68.50	68.60	106.00	127.20	5.51
16B-3								31.88	99.50	100.50	160.00	192.00	8.25
16B-4								31.88	131.00	132.40	212.00	254.40	11.00

DIN ISO No.	P		d_1 max	b_1 min	d_2 max	t/T	h_2 max	Pt	L max	Lc max	U.T.S	A.T.S	q ≈
	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
20B-1	31.75	1"1/4	19.05	19.56	10.19	4.50	26.40	-	41.40	44.00	95.00	114.00	3.90
20B-2								36.45	77.50	80.60	170.00	204.00	7.70
20B-3								36.45	114.00	116.90	250.00	300.00	11.44
20B-4								36.45	149.80	/	325.00	390.00	15.18
24B-1	38.10	1"1/2	25.40	25.40	14.63	6.00	33.40	-	53.50	57.70	160.00	192.00	7.14
24B-2								48.36	101.80	106.10	280.00	336.00	14.10
24B-3								48.36	150.20	154.40	425.00	510.00	20.79
28B-1	44.45	1"3/4	27.94	30.99	15.90	7.60	37.00	-	65.10	69.00	200.00	240.00	9.36
28B-2								59.56	123.15	128.60	360.00	432.00	18.52
28B-3								59.56	183.70	188.20	530.00	636.00	27.70
32B-1	50.80	2"	29.21	30.99	17.81	7.10	42.20	-	64.50	70.00	250.00	300.00	9.94
32B-2								58.55	124.10	128.50	450.00	540.00	19.60
32B-3								58.55	181.80	187.10	670.00	804.00	29.26
40B-1	63.50	2"1/2	39.37	38.10	22.89	8.60	52.90	-	80.00	84.30	355.00	426.00	16.40
40B-2								72.29	151.60	156.60	630.00	756.00	32.00
40B-3								72.29	224.60	228.90	950.00	1140.00	48.30
48B-1	76.20	3"	48.26	45.72	29.24	10.00	63.88	-	99.00	105.00	560.00	672.00	25.20
48B-2								91.21	191.20	196.20	1000.00	1200.00	50.00
48B-3								91.21	276.10	287.40	1500.00	1800.00	74.80
56B-1	88.90	3"1/2	53.98	53.34	34.32	12.40	77.50	-	116.50	122.00	850.00	1020.00	35.00
56B-2								106.60	223.10	228.60	1600.00	1920.00	69.30
56B-3								106.60	329.70	335.20	2240.00	2688.00	103.60
64B-1	101.60	4"	63.50	60.96	39.40	13.50	90.00	-	131.30	137.30	1120.00	1344.00	59.50
64B-2								119.89	251.20	257.20	2000.00	2400.00	118.50
64B-3								119.89	371.10	377.10	3000.00	3600.00	177.50
72B-1	114.30	4"1/2	72.39	68.58	44.48	16.00	103.50	-	148.20	154.20	14000.00	16800.00	80.00
72B-2								136.27	284.50	290.50	2500.00	3000.00	159.00
72B-3								136.27	420.70	426.70	3750.00	4500.00	238.00

Short Pitch Precision Roller Chain (A Series)

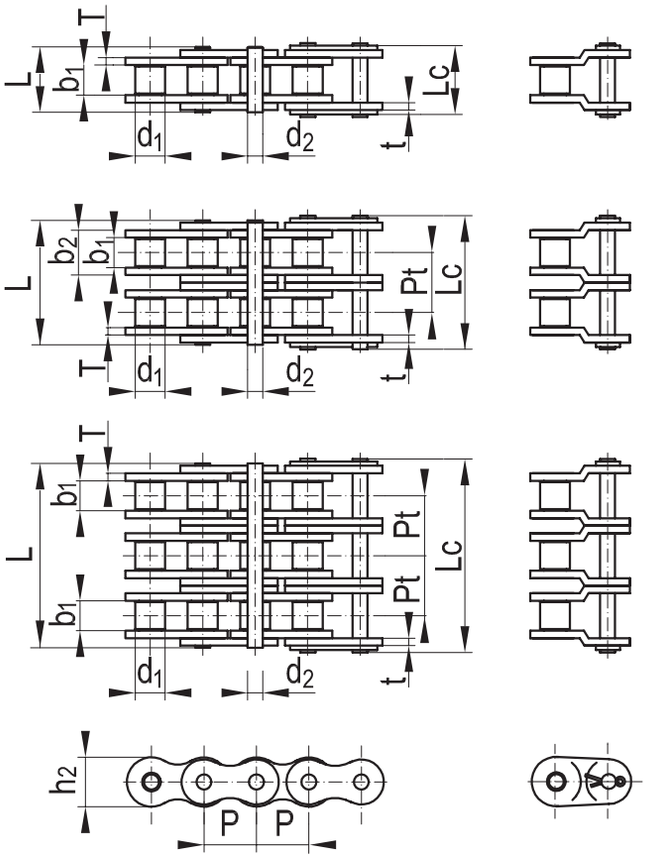
Chaîne à rouleaux de précision à pas court (Séerie A)
Catena a rulli di precisione a passo corto (Serie A)

ANSI No.	ISO GB/T 1243	P		d_1 max	b_1 min	d_2 max	t/T	h_2 max	Pt	L max	Lc max	U.T.S	A.T.S	q ≈
		mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
25-1	04C-1	6.35	1/4"	3.30	3.10	2.31	0.80	6.00	6.40	7.95	8.70	3.50	4.20	0.15
25-2	04C-2									14.40	15.15	7.00	8.40	0.28
35-1	06C-1	9.525	3/8"	5.08	4.77	3.58	1.30	8.70	10.13	12.30	13.30	7.80	9.36	0.35
35-2	06C-2									22.40	23.40	15.60	18.72	0.69
35-3	06C-3									32.50	33.50	23.40	28.08	1.02
081		12.70	1/2"	7.75	3.30	3.66	1.00	9.91		10.20	11.70	8.20	9.84	0.29
082					2.38	3.66	-	9.91		8.20	/	10.00	12.00	0.27
083					4.88	4.09	1.27	10.30		12.90	14.40	12.00	14.40	0.43
084					4.88	4.09	1.80	11.15		14.80	16.30	16.00	19.20	0.60
085				7.77	6.25	3.58	-	9.91		14.00	16.00	6.80	8.16	0.39
41-1	085	12.70	1/2"	7.77	6.38	3.58	1.20	9.60	14.38	13.60	14.70	6.70	8.04	0.41
40-1	08A-1	12.70	1/2"	7.92	7.85	3.97	1.50	12.00	14.38	16.40	17.90	13.80	16.56	0.66
40-2	08A-2									30.80	32.30	27.60	33.12	1.30
40-3	08A-3									45.00	46.70	41.40	49.68	1.96
50-1	10A-1	15.875	5/8"	10.16	9.40	5.08	2.03	15.05	18.11	20.50	21.90	21.80	26.16	1.10
50-2	10A-2									38.20	40.00	43.60	52.32	2.14
50-3	10A-3									56.50	58.10	65.40	78.48	3.20
50-4	10A-4									74.50	76.10	87.20	104.64	4.35
60-1	12A-1	19.05	3/4"	11.91	12.57	5.94	2.42	18.00	22.78	25.48	26.70	31.10	37.32	1.53
60-2	12A-2									48.40	49.50	62.30	74.76	3.00
60-3	12A-3									71.30	73.10	93.40	112.08	4.50
60-4	12A-4									93.80	96.00	124.40	149.28	5.97
60-5	12A-5									116.60	119.00	154.00	184.80	7.44
60-6	12A-6									139.40	142.60	177.10	212.52	8.91

Straight Side Plate Chain (A Series)
Chaîne avec plaque droite (Séries A)
Catene con piastra laterale diritta (Serie A)

ANSI No.	ISO GB/T 1243	P		d_1 max	b_1 min	d_2 max	t/T	h_2 max	Pt	L max	Lc max	U.T.S	A.T.S	q ≈
		mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
80-1	16A	25.40	1"	15.88	15.75	7.94	3.23	23.50	29.29	32.70	34.10	55.60	66.72	2.63
80-2										61.80	63.40	111.20	133.44	5.24
80-3										91.20	94.20	166.80	200.16	7.83
80-4										120.80	123.50	222.40	266.88	10.42
80-5										150.10	153.00	275.80	330.96	13.01
80-6										179.40	182.50	317.00	380.40	15.60
100-1	20A	31.75	1"1/4	19.05	18.90	9.53	4.00	30.00	35.76	40.00	43.10	86.70	104.04	4.03
100-2										75.80	78.90	173.50	208.20	8.02
100-3										110.00	115.30	260.20	312.24	12.00
100-4										147.40	151.10	346.80	416.16	15.98
100-5										183.20	187.00	430.00	516.00	19.96
100-6										219.00	223.00	502.80	603.36	23.94
120-1	24A	38.10	1"1/2	22.23	25.22	11.10	4.80	36.20	45.44	50.50	54.00	124.60	149.52	5.94
120-2										95.94	99.40	249.10	298.92	11.84
120-3										141.40	144.90	373.70	448.44	17.69
120-4										186.20	189.50	498.40	598.08	23.54
120-5										232.30	235.80	618.00	741.60	29.39
120-6										277.70	281.20	722.70	867.24	35.24
140-1	28A	44.45	1"3/4	25.40	25.22	12.70	5.60	42.00	48.87	53.50	57.80	169.00	202.80	7.50
140-2										102.50	106.70	338.10	405.72	14.89
140-3										151.50	155.80	507.10	608.52	22.28
140-4										200.40	204.70	676.00	811.20	29.67
140-5										249.30	253.50	838.20	1005.84	37.06
140-6										298.10	302.40	980.20	1176.24	44.45
160-1	32A	50.80	2"	28.58	31.55	14.27	6.50	48.26	58.55	64.67	70.67	222.40	266.88	10.20
160-2										124.02	130.02	444.80	533.76	20.25
160-3										182.57	188.57	667.20	800.64	30.31
160-4										241.12	247.12	889.60	1067.52	40.35
160-5										299.67	305.67	1103.10	1323.72	50.40
160-6										358.22	364.22	1289.90	1547.88	60.45
180-1	36A	57.15	2" 1/4	35.71	35.48	17.46	7.20	54.31	65.84	72.70	77.10	280.20	336.24	13.95
180-2										138.50	142.90	560.50	672.60	27.62
180-3										204.40	208.80	840.70	1008.84	41.29
180-4										270.20	274.60	1120.80	1344.96	54.96
180-5										336.00	340.40	1389.80	1667.76	68.63
180-6										401.90	406.30	1625.20	1950.24	82.30
200-1	40A	63.50	2"1/2	39.68	37.85	19.84	8.35	60.30	71.55	80.00	87.00	347.00	416.40	16.86
200-2										151.60	158.60	693.90	832.68	33.42
200-3										223.20	230.00	1040.90	1249.08	50.50
200-4										294.55	301.60	1388.00	1665.60	66.54
200-5										366.10	373.10	1721.10	2065.32	83.10
200-6										437.65	444.70	2012.60	2415.12	99.68
240-1	48A	76.20	3"	47.63	47.35	23.80	10.00	72.38	87.83	99.00	106.00	500.40	600.48	24.25
240-2										188.30	195.30	1000.80	1200.96	48.13
240-3										276.10	283.10	1501.30	1801.56	72.01
240-4										363.93	370.90	2001.60	2401.92	95.89
240-5										451.76	458.80	2482.00	2978.40	119.77
240-6										539.60	547.60	2902.30	3482.76	143.65

Heavy Duty Roller Chain (A Series)
Chaîne à rouleaux lourde (Série A)
Catena a rulli pesanti (Serie A)

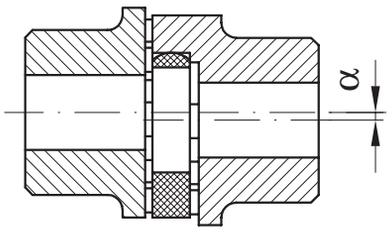


ANSI No.	ISO GB/T 1243	P		d 1 max	b 1 min	d 2 max	t/T	h 2 max	Pt	L max	Lc max	U.T.S	A.T.S	q ~
		mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
40H-1	08AH	12.70	1/2"	7.95	7.85	3.96	2.03	12.00	14.38	18.80	19.90	14.10	19.10	0.82
50H-1	10AH	15.875	5/8"	10.16	9.40	5.08	2.42	15.09	18.11	22.10	23.40	22.20	30.20	1.25
60H-1										29.20	31.00	31.80	42.70	1.87
60H-2	12AH	19.05	3/4"	11.91	12.57	5.94	3.25	18.00	26.11	55.30	57.10	63.60	84.50	3.71
60H-3										81.40	83.20	95.40	113.90	5.54
80H-1										36.20	37.70	56.70	71.40	3.10
80H-2	16AH	25.40	1"	15.88	15.75	7.92	4.00	24.00	32.59	68.80	70.30	113.40	145.30	6.15
80H-3										101.40	102.90	170.10	203.50	9.42
100H-1										43.60	46.90	88.50	112.40	4.52
100H-2	20AH	31.75	1"1/4	19.05	18.90	9.53	4.80	30.00	39.09	82.70	86.00	177.00	225.90	9.03
100H-3										121.80	125.10	265.50	314.80	12.96
120H-1										53.60	57.50	127.00	160.90	6.60
120H-2	24AH	38.10	1"1/2	22.23	25.22	11.10	5.60	35.70	48.87	102.40	106.40	254.00	322.70	13.13
120H-3										151.20	155.20	381.00	444.70	19.64
140H-1										57.60	62.20	172.40	217.30	8.30
140H-2	28AH	44.45	1"3/4	25.40	25.22	12.70	6.40	41.00	52.20	109.80	114.40	344.80	437.70	16.60
140H-3										162.00	166.60	507.20	598.40	24.90
160H-1										68.24	73.00	226.80	285.80	10.30
160H-2	32AH	50.80	2"	28.58	31.55	14.27	7.20	47.80	61.90	130.10	134.90	453.60	571.60	20.20
160H-3										192.00	196.80	680.40	787.30	30.10

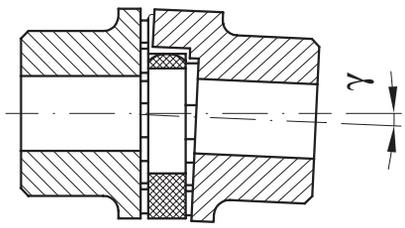
ANSI No.	ISO GB/T 1243	P		d_1 max mm	b_1 min mm	d_2 max mm	t/T mm	h_2 max mm	Pt mm	L max mm	Lc max mm	U.T.S KN	A.T.S KN	q ~ kg/m
		mm	inch											
180H-1	36AH	57.15	2"1/4	35.71	35.48	17.46	8.00	54.31	69.16	72.70	77.10	280.20	336.24	13.95
180H-2										138.50	142.90	560.40	672.48	27.62
180H-3										204.40	208.80	840.60	1008.72	41.29
200H-1	40AH	63.50	2"1/2	39.68	37.85	19.85	9.50	60.00	78.31	86.60	93.50	353.80	444.50	19.16
200H-2										164.90	171.80	707.60	894.90	38.11
200H-3										243.20	250.10	1061.40	1228.20	57.06
240H-1	48AH	76.20	3"	47.63	47.35	23.80	12.80	72.38	101.22	99.00	106.00	500.40	600.48	24.25
240H-2										188.30	195.30	1000.80	1200.96	48.13
240H-3										276.10	283.10	1501.30	1801.56	72.01

GIFLEX tortional flexible couplings
Joints élastiques de torsion "GFLEX"
Giunti elastici torsionali "GFLEX"

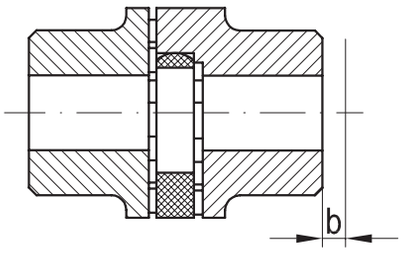
Displacement
Déports
Disassamenti



Radially displaced shafts
Arbres déplacés radialement
Alberi spostati radialmente



Angularly displaced shafts
Arbres déplacés angulairement
Alberi spostati angolarmente



Axially displaced shafts
Arbres déplacés axialement
Alberi spostati assialmente

(94 Shore A black spider thermoplastic rubber)
(Étoile dentée noire en caoutchouc thermoplastique 94 Shore A)
(Stella dentata nera in gomma termoplastica 94 Shore A)

Type *Type* Tipo	**Max R.p.m.** *N° tours max.* N. giri max	**Tortion angle** *Angle de torsion* Angolo di torsione		**Toothed star** *Étoile dentée* Stella Dentata	**Twisting Moment** *Moment de torsion* Momento torcente **(Nm)**			**Tortional Rigidity** *Rigidité de torsion* Rigidità Torsionale **(kNm / rad)**				**Axial Displacement** *Déplacement axial* Spostam. assiale	**Maximum Misalignment** *Déport maximum* Disassamento Massimo	
	n. (min^{-1})	**TKN**	**TKmax**	**Hardness** *Dureté* Durezza **ShA**	**TKN Norm.**	**MAX TKmax**	**Con Invers.** *Avec invers.* Con Invers. **TKW**	**1.0 TKN**	**0.75 TKN**	**0.5 TKN**	**0.25 TKN**	**b mm**	**Rad.** α **mm**	**Ang.** γ°
19/24	14000			94	10	20	2.6	0.68	0.57	0.44	0.28	1.2	0.2	1.2°
24/32	10600			94	35	70	9	2.19	1.82	1.40	0.90	1.4	0.2	0.9°
28/38	8500			94	95	190	25	5.20	4.31	3.32	2.12	1.5	0.25	0.9°
38/45	7100			94	190	380	49	10.00	8.30	6.39	4.08	1.8	0.28	1.0°
42/55	6000	3.0°	5°	94	265	530	69	17.00	14.11	10.86	6.94	2.0	0.32	1.0°
48/60	5600			94	310	620	81	20.00	16.59	12.77	8.16	2.1	0.36	1.1°
55/70	4750			94	410	820	105	21.99	18.25	14.05	8.98	2.2	0.38	1.1°
65/75	4250			94	625	1250	163	28.20	23.39	18.01	11.51	2.6	0.42	1.2°
75/90	3550			94	975	1950	254	67.99	56.41	43.44	27.75	3.0	0.48	1.2°
90/100	2800			94	2400	4800	624	110.00	91.26	70.27	44.89	3.4	0.50	1.2°

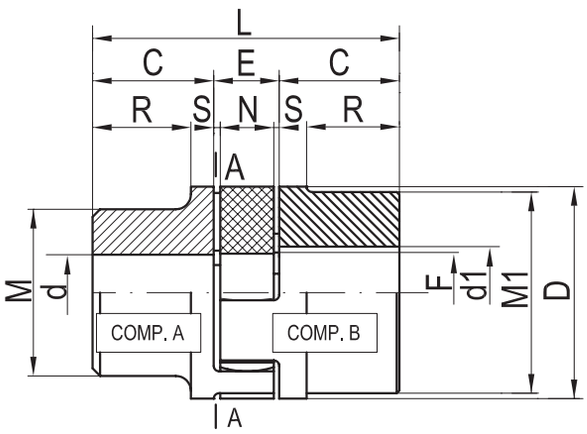
(96 Shore A red spider thermoplastic rubber)
(Étoile dentée rouge en caoutchouc thermoplastique 96 Shore A)
(Stella dentata rossa in gomma termoplastica 96 Shore A)

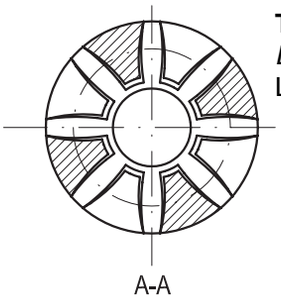
(96 Shore A yellow spider polyurethane)
(Étoile dentée jaune en polyuréthane 96 Shore A)
(Stella dentata gialla in poliuretano 96 Shore A)

Type *Type* Tipo	**Max R.p.m.** *N° tours max.* N. giri max	**Tortion angle** *Angle de torsion* Angolo di torsione		**Toothed star** *Étoile dentée* Stella Dentata	**Twisting Moment** *Moment de torsion* Momento torcente **(Nm)**			**Tortional Rigidity** *Rigidité de torsion* Rigidità Torsionale **(kNm / rad)**				**Axial Displacement** *Déplacement axial* Spostam. assiale	**Maximum Misalignment** *Déport maximum* Disassamento Massimo	
	n. (min^{-1})	**TKN**	**TKmax**	**Hardness** *Dureté* Durezza **ShA**	**TKN Norm.**	**MAX TKmax**	**Con Invers.** *Avec invers.* Con Invers. **TKW**	**1.0 TKN**	**0.75 TKN**	**0.5 TKN**	**0.25 TKN**	**b mm**	**Rad.** α **mm**	**Ang.** γ°
19/24	14000			96	17	34	4.4	1.09	0.90	0.68	0.42	1.2	0.2	1.2°
24/32	10600			96	60	120	16	3.70	3.04	2.31	1.44	1.4	0.2	0.9°
28/38	8500			96	160	320	42	9.5	7.80	5.92	3.68	1.5	0.25	0.9°
38/45	7100			96	325	650	85	29.0	23.8	18.06	11.24	1.8	0.28	1.0°
42/55	6000	3.0°	5°	96	450	900	117	40.5	33.24	25.21	15.70	2.0	0.32	1.0°
48/60	5600			96	525	1050	137	48.56	39.86	30.23	18.82	2.1	0.36	1.1°
55/70	4750			96	625	1250	163	52.78	43.32	32.86	20.46	2.2	0.38	1.1°
65/75	4250			95	640	1280	166	57.5	47.19	35.80	22.29	2.6	0.42	1.2°
75/90	3550			95	1465	2930	381	150.0	123.12	93.39	58.14	3.0	0.48	1.2°
90/ 100	2800			95	3600	7200	936	250.0	205.19	155.65	96.90	3.4	0.50	1.2°

"GIFLEX" GE-T PRECISE EXECUTION
"GIFLEX" GE-T execution precise
"GIFLEX" GE-T esecuzione precisa

Code interpretation	*Interprétation de la codification*	Interpretazione della codifica
Ex:		
GE-T 19A - 24B = with hub A + hub B	*GE-T 19A - 24B = avec comp. A + comp. B*	GE-T 19A - 24B = con comp. A + comp. B
GE-T 19A 19A = with two hubs A	*GE-T 19A 19A = avec 2 composants A*	GE-T 19A 19A = con 2 componenti A
GE-T 24B 24B = with two hubs B	*GE-T 24B 24B = avec 2 composants B*	GE-T 24B 24B = con 2 componenti B





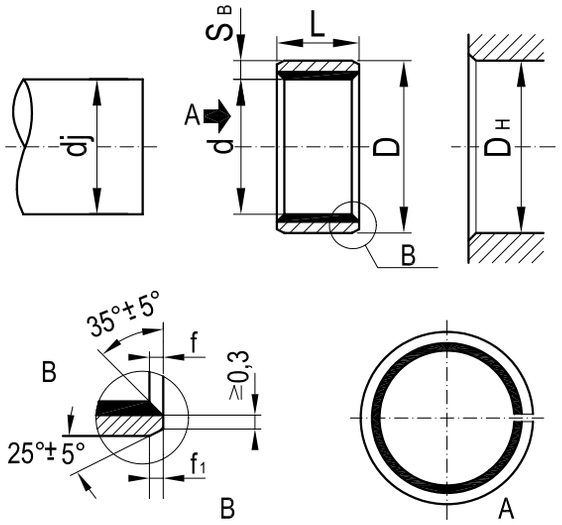
The characteristic size of the coupling is defined by the maximum bore diameter
La grandeur caractéristique du joint est définie par le diamètre maximum du trou
La grandezza caratteristica del giunto è definita dal diametro massimo del foro

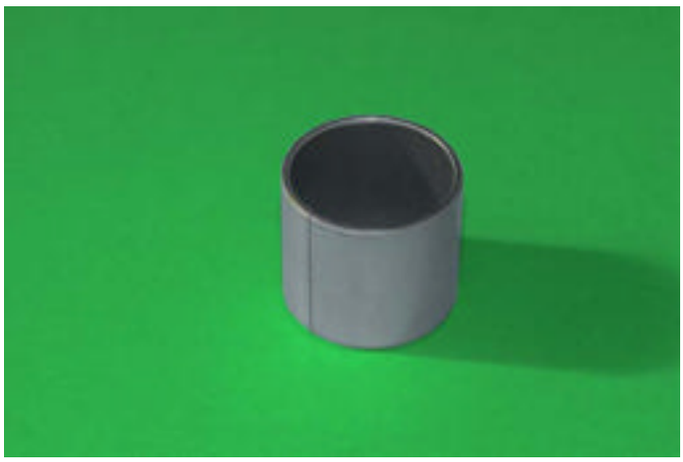
Material: CAST IRON G25 - STEEL*
*Matériau : FONTE G25 - ACIER**
Materiale: GHISA G25 - ACCIAIO*

Coupling type *Type du joint* Tipo di giunto	**Without bore** *Sans trou* Senza foro		**Finished bore** *Trou fini* Foro finito **d**		**Measurements in mm** *Mesures en mm* Misure in mm — **Normal range** *Série nominale* Serie normale										**Mass** *Masse* Massa **kg.**			**J kg. cm²** Comp. A+B
	A	**B**	**d max.**	**d1 max.**	**C**	**D**	**E**	**F**	**M**	**M1**	**N**	**R**	**S**	**L**	**Flexible Comp.** *Elém. Élastique* Elem. Elastico	**Hub** *Moyeu* Mozzo **A**	**Hub** *Moyeu* Mozzo **B**	
GE-T 19A-24B*	-	-	19	24	25	40	16	18	30	40	12	19	2	66	0.004	0.18	0.25	0.8
GE-T 24A-32B	-	-	24	32	30	55	18	27	40	55	14	24	2	78	0.014	0.36	0.55	3
GE-T 28A-38B	-	-	28	38	35	65	20	30	48	65	15	27.5	2.5	90	0.025	0.60	0.85	7
GE-T 38A-45B	-	-	38	45	45	80	24	38	66	78	18	36.5	3	114	0.042	1.35	1.65	20
GE-T 42A-55B	-	-	42	55	50	95	26	46	75	94	20	40	3	126	0.066	2.00	2.30	50
GE-T 48A-60B	-	-	48	60	56	105	28	51	85	104	21	45	3.5	140	0.088	2.75	3.10	80
GE-T 55A-70B	-	-	55	70	65	120	30	60	98	118	22	52	4	160	0.116	4.20	4.50	160
GE-T 65A-75B	-	-	65	75	75	135	35	68	115	134	26	61	4.5	185	0.172	6.50	6.80	310
GE-T 75A-90B	-	-	75	90	85	160	40	60	135	158	30	69	5	210	0.325	10.00	10.80	680
GE-T 90A-100B	38	38	90	100	100	200	45	100	160	180	34	81	5.5	245	0.440	14.00	15.80	1590

SF-1B Steel Self-lubricating Bushings
Douilles autolubrifiantes en acier série SF-1B

Boccole autolubrificanti in acciaio serie SF-1B





Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

d	D	$L^{\pm 0,25}$
2	**3,5**	3
		5
3	**4,5**	3
		4
		5
		6
4	**5,5**	3
		4
		5
		6
		7
		8
		10
5	**7**	4
		5
		6
		7
		8
		10
6	**8**	4
		5
		6
		7
		8
		10
7	**9**	10
8	**10**	5
		6
		7
		8
		10
		12
		15

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

d	D	$L^{\pm 0,25}$
10	**12**	6
		7
		8
		10
		12
		15
		20
12	**14**	6
		8
		10
		12
		15
		20
		25
13	**15**	8
		10
		15
		20
14	**16**	5
		10
		12
		14
		15
		20
		25
15	**17**	8
		10
		12
		15
		20
		25

Transmission coupler
Organs de trasmission
Organi di trasmissione

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

d	D	L ±0,25
16	18	5
		10
		12
		15
		16
		20
		25
17	19	10
		12
		15
		17
		20
18	20	8
		10
		12
		15
		18
		20
		25
20	22	10
		15
		20
20	23	5
		10
		12
		15
		20
		25
		30
22	25	10
		12
		15
		20
		25
		30
24	27	15
		20
		25
		30
24	28	15
		20
		24
		25
		30
25	28	5
		10
		12
		15
		20
		25
		30
		40
		50

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

d	D	L ±0,25
28	32	12
		15
		20
		25
		28
		30
		40
30	34	10
		12
		15
		20
		25
		30
		32
		40
32	36	8
		20
		30
		40
35	39	12
		15
		20
		25
		30
		35
		40
		50
37	41	20
38	42	15
		20
		25
		30
		38
		40
40	44	12
		15
		20
		25
		30
		40
		45
		50
45	50	20
		25
		30
		40
		45
		50
50	55	20
		25
		30
		40
		50
		60

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

d	D	L ±0,25
55	60	20
		25
		30
		40
		50
		55
		60
60	65	20
		25
		30
		40
		50
		55
		60
		70
65	70	30
		40
		50
		60
		65
		70
70	75	30
		40
		50
		60
		70
		80
75	80	30
		40
		50
		60
		70
		75
		80
80	85	40
		50
		60
		70
		80
		100
85	90	30
		40
		50
		60
		80
		85
		100
90	95	40
		50
		60
		80
		90
		100

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

d	D	L ±0,25
95	100	20
		50
		60
		80
		95
		100
100	105	50
		60
		70
		80
		100
		115
105	110	60
		80
		100
		105
		115
110	115	50
		60
		80
		100
		115
115	120	50
		60
		70
		115
120	125	50
		60
		70
		80
		100
		120
125	130	60
		100
		115
		125
130	135	50
		60
		80
		100
		130
135	140	60
		80
		100
140	145	50
		60
		80
		100
		120
		140
145	150	60
		100

Transmission coupler
Organs de trasmission
Organi di trasmissione

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

d	D	$L^{\pm 0,25}$
150	155	50
		60
		80
		100
		150
155	160	60
		100
160	165	60
		80
		100
		115
		160
165	170	60
		100
170	175	60
		100
175	180	60
		100
180	185	60
		80
		100
		180
190	195	60
		80
		100
		190
200	205	60
		80
		100
		200
205	210	60
		100
210	215	60
		100
215	220	60
		100
220	225	60
		80
		100
		220
230	235	60
		100
240	245	60
		100
250	255	60
		80
		100
		250
260	265	80
		100
		260
280	285	60
		80
		100
		280

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

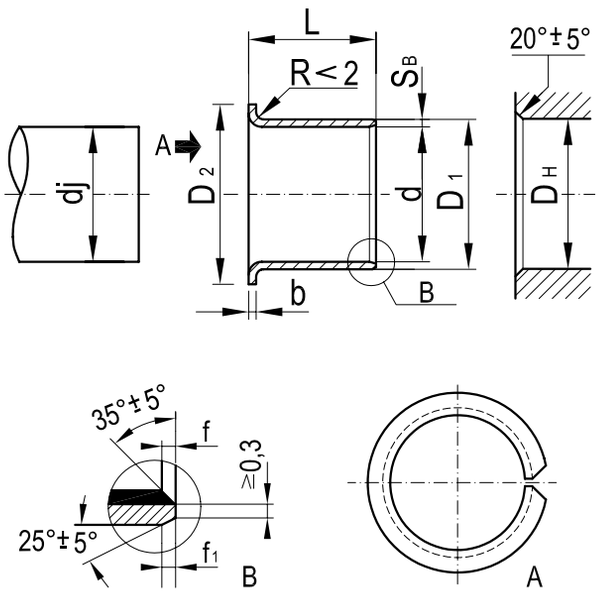
d	D	$L^{\pm 0,25}$
300	305	60
		80
		100
		300

For order, please specify: SF-1B + d + L
Pour commander spécifier : SF-1B + d + L
Per ordinare specificare: SF-1B + d + L

Recommended mounting tolerances:
Tolérances recommandées:
Tolleranze raccomandate:

Shaft/*Arbre*/Albero	**Bore**/*Trou*/Foro
≤ 4 = h 6	≤ 5,5 = H 6
from 5 to 75 = f7 de 5 à 75 = f7 da 5 a 75 = f7	≥ 7 = H 7
≥ 80 = h 8	

SF-1B F flanged bushings
Douilles bridées SF-1B F
Boccole flangiate SF-1B F



Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

d	D	$D_2^{\pm 0,50}$	$L^{\pm 0,25}$	$b^{-0,2}$
3	**4,5**	**7**	4	**0,75**
4	**5,5**	**9**	4	**0,75**
			5	
			6	
			7	
			8	
5	**7**	**10**	4	**1**
			5	
			6	
			7	
			8	
6	**8**	**12**	4	**1**
			7	
			8	
8	**10**	**15**	5,5	**1**
			6	
			7,5	
			8	
			9,5	
			10	
10	**12**	**18**	7	**1**
			9	
			12	
			17	

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

d	D	$D_2^{\pm 0,50}$	$L^{\pm 0,25}$	$b^{-0,2}$
12	**14**	**20**	7	**1**
			8	
			9	
			12	
			15	
			17	
14	**16**	**22**	12	**1**
			17	
15	**17**	**23**	9	**1**
			12	
			17	
16	**18**	**24**	12	**1**
			17	
18	**20**	**26**	12	**1**
			17	
			20	
			22	
20	**23**	**30**	11,5	**1,5**
			12	
			15	
			16,5	
			17	
			21,5	
			22	

Transmission coupler
Organs de trasmission
Organi di trasmissione

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

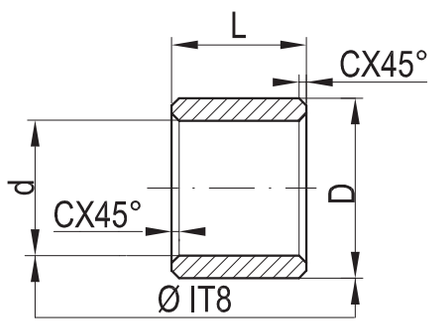
d	D	$D_2^{\pm 0,50}$	$L^{\pm 0,25}$	$b^{-0,2}$
22	25	32	15	1,5
			20	
25	28	35	11,5	1,5
			12	
			16,5	
			17	
			21,5	
			22	
30	34	42	16	2
			26	
35	39	47	16	2
			26	
40	44	53	16	2
			26	
			40	
45	50	60	16	2,5
			20	
			25	
			26	
			30	
			40	
50	55	65	20	2,5
			30	
			40	
55	60	70	30	2,5
			40	
60	65	75	30	2,5
			40	
65	70	80	30	2,5
			40	
70	75	85	30	2,5
			40	
75	80	90	30	2,5
			40	
80	85	95	30	2,5
			40	
85	90	100	30	2,5
			40	
90	95	105	30	2,5
			40	
95	100	110	30	2,5
			40	

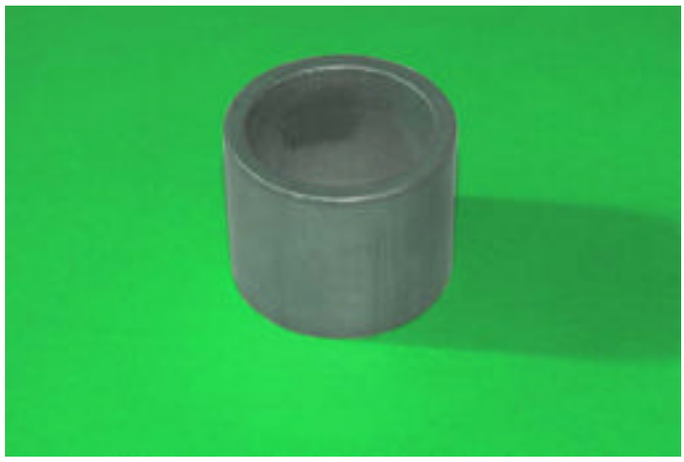
For order, please specify: SF-1B+d+L
Pour commander spécifier: SF-1B+d+L
Per ordinare, specificare: SF-1B+d+L

Recommended mounting tolerances:
Tolérances de montage recommandées:
Tolleranze di montaggio raccomandate:

Shaft - *Arbre* - Albero: f7
Bore - *Trou* - Foro: H7

Sintered bronze bushings
Douilles sintérisées en bronze
Boccole sinterizzate in bronzo





Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
2	5	2 $^{\pm 0,070}$
		3 $^{\pm 0,070}$
		4 $^{\pm 0,090}$
		6 $^{\pm 0,090}$
2,5	6	10 $^{\pm 0,110}$
3	6	3 $^{\pm 0,070}$
		4 $^{\pm 0,090}$
		5 $^{\pm 0,090}$
		6 $^{\pm 0,090}$
		7 $^{\pm 0,110}$
		8 $^{\pm 0,110}$
		10 $^{\pm 0,110}$
	8	6 $^{\pm 0,090}$
4	6	5 $^{\pm 0,090}$
		8 $^{\pm 0,110}$
		8,5 $^{\pm 0,110}$
		10 $^{\pm 0,110}$
	6,5	4 $^{\pm 0,090}$
	7	3 $^{\pm 0,070}$
		4 $^{\pm 0,090}$
		6 $^{\pm 0,090}$
		7 $^{\pm 0,110}$

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
4	7	8 $^{\pm 0,110}$
		12 $^{\pm 0,135}$
	8	4 $^{\pm 0,090}$
		5 $^{\pm 0,090}$
		6 $^{\pm 0,090}$
		8 $^{\pm 0,110}$
		10 $^{\pm 0,110}$
		12 $^{\pm 0,135}$
		16 $^{\pm 0,135}$
	10	10 $^{\pm 0,110}$
5	8	4 $^{\pm 0,090}$
		5 $^{\pm 0,090}$
		8 $^{\pm 0,110}$
		10 $^{\pm 0,110}$
		12 $^{\pm 0,135}$
		15 $^{\pm 0,135}$
		16 $^{\pm 0,135}$
	9	4 $^{\pm 0,090}$
		5 $^{\pm 0,090}$
		8 $^{\pm 0,110}$
		9 $^{\pm 0,110}$
		10 $^{\pm 0,110}$
		11 $^{\pm 0,110}$
		13 $^{\pm 0,135}$
	10	5 $^{\pm 0,090}$
		10 $^{\pm 0,110}$
		12 $^{\pm 0,135}$
		14 $^{\pm 0,135}$
		15 $^{\pm 0,135}$

Transmission coupler
Organs de trasmission
Organi di trasmissione

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
6	8	5 ±0,090
		8 ±0,110
		9,5 ±0,110
		10 ±0,110
	8,5	8 ±0,110
	9	4 ±0,090
		6 ±0,090
		8 ±0,110
		9 ±0,110
		10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
	10	4 ±0,090
		5 ±0,090
		6 ±0,090
		8 ±0,110
		10 ±0,110
		11 ±0,110
		12 ±0,135
		14 ±0,135
		15 ±0,135
		16 ±0,135
	12	5 ±0,090
		6 ±0,090
		10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		25 ±0,165
7	10	5 ±0,090
		6 ±0,090
		8 ±0,110
		10 ±0,110
		12 ±0,135
	11	6 ±0,090
		8 ±0,110
		10 ±0,110
		13 ±0,135
	13	13 ±0,135
		22 ±0,165

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
8	10	6 ±0,090
		8 ±0,110
		10 ±0,110
		15 ±0,135
	11	6 ±0,090
		8 ±0,135
		12 ±0,110
		16 ±0,135
		20 ±0,165
	12	6 ±0,090
		8 ±0,110
		10 ±0,110
		12 ±0,135
		12,5 ±0,135
		14 ±0,135
		15 ±0,135
		16 ±0,135
		20 ±0,165
	14	8 ±0,110
		10 ±0,110
		12 ±0,135
		14 ±0,135
		15 ±0,135
		16 ±0,135
		20 ±0,165
	15	6 ±0,090
		12 ±0,135
	16	18 ±0,135
		25 ±0,165
8,5	12	12 ±0,135
9	12	6 ±0,090
		10 ±0,110
		14 ±0,135
		16 ±0,135
	14	6 ±0,090
		8 ±0,110
		10 ±0,110
		12 ±0,135
		14 ±0,135
		15 ±0,135
		16 ±0,165
10	12	10 ±0,110

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
10	13	10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		18 ±0,135
		20 ±0,165
		25 ±0,165
	14	5 ±0,090
		8 ±0,110
		10 ±0,110
		12 ±0,135
		14 ±0,135
		15 ±0,135
		16 ±0,135
		18 ±0,135
		20 ±0,165
		25 ±0,165
	15	10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		20 ±0,165
		25 ±0,165
	16	8 ±0,110
		10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		20 ±0,165
		25 ±0,165
	18	10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		20 ±0,165
		25 ±0,165
12	14	10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		20 ±0,165
	15	10 ±0,110
		12 ±0,135
		12,5 ±0,135
		15 ±0,135

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
12	15	16 ±0,135
		18 ±0,135
		20 ±0,165
		25 ±0,165
	16	8 ±0,110
		10±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		18 ±0,135
		20 ±0,165
		23 ±0,165
		25 ±0,165
		30 ±0,165
		36,5 ±0,165
	17	12 ±0,135
		15 ±0,135
		16 ±0,135
		17 ±0,135
		20 ±0,165
		24 ±0,165
		25 ±0,165
	18	8 ±0,110
		10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		18 ±0,135
		20 ±0,165
		25 ±0,165
		30 ±0,165
	20	12 ±0,135
		15 ±0,135
		16 ±0,135
		20 ±0,165
		25 ±0,165
		30 ±0,165
12,1	18	10 ±0,110
13	16	10 ±0,135

Transmission coupler
Organs de trasmission
Organi di trasmissione

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
14	18	10 ±0,110
		12 ±0,135
		14 ±0,135
		15 ±0,135
		18 ±0,135
		20 ±0,165
		22 ±0,165
		25 ±0,165
		26 ±0,165
		28 ±0,165
	20	10 ±0,110
		12 ±0,135
		14 ±0,135
		15 ±0,135
		16 ±0,135
		18 ±0,135
		20 ±0,165
		22 ±0,165
		25 ±0,135
		28 ±0,165
		30 ±0,165
	22	15 ±0,135
		20 ±0,165
		25 ±0,165
		30 ±0,165
15	18	12 ±0,135
		15 ±0,135

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
15	18	12 ±0,135
		15 ±0,135
		20 ±0,165
		25 ±0,165
		30 ±0,165
		35 ±0,195
	19	10 ±0,110
		15 ±0,135
		16 ±0,135
		20 ±0,165
		25 ±0,165
		30 ±0,165
		32 ±0,195
	20	10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		20 ±0,165
		24 ±0,165
		25 ±0,165
		28 ±0,165
		30 ±0,165
		40 ±0,195
	21	15 ±0,135
		16 ±0,135
		20 ±0,165
		25 ±0,165
		30 ±0,165
		32 ±0,195
	22	15 ±0,135
		16 ±0,135
		20 ±0,165
		22 ±0,165
		25 ±0,165
		30 ±0,165
		40 ±0,195
16	18	10 ±0,110
		20 ±0,165
		22 ±0,165
		30 ±0,165
	19	16 ±0,135
		19 ±0,135
		20 ±0,165
		22 ±0,165

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
16	19	25 ±0,135
	20	12 ±0,135
		15 ±0,135
		16 ±0,135
		20±0,165
		25 ±0,165
		28 ±0,165
		30 ±0,165
		32 ±0,195
	22	10 ±0,110
		12 ±0,135
		15 ±0,135
		16 ±0,135
		20 ±0,165
		22 ±0,165
		25 ±0,165
		30 ±0,165
		32 ±0,195
		35 ±0,195
	24	20 ±0,165
17	21	22 ±0,165
		32 ±0,195
	22	15 ±0,135
		17 ±0,135
		20 ±0,165
		22 ±0,165
		23 ±0,165
		25 ±0,165
		30 ±0,165
		35 ±0,195
	23	17 ±0,135
		23 ±0,165
	25	17±0,135
		20±0,165
		25±0,165
		30±0,165
18	22	12 ±0,135
		15 ±0,135
		16 ±0,135
		18 ±0,135
		20 ±0,165
		22 ±0,165
		25 ±0,165

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
18	22	28 ±0,165
		30 ±0,165
		36 ±0,195
		40 ±0,195
	23	18 ±0,135
		23 ±0,165
		24,7 ±0,165
		28 ±0,165
	24	18 ±0,135
		20 ±0,165
		22 ±0,165
		24 ±0,165
		25 ±0,165
		28 ±0,165
		30 ±0,165
		35 ±0,195
		36 ±0,195
	25	16 ±0,135
		18 ±0,135
		20 ±0,165
		22 ±0,165
		25±0,165
		28 ±0,165
		30 ±0,195
		36 ±0,195
		40 ±0,195
19	25	19 ±0,135
		25 ±0,165
20	22	10 ±0,110
		20 ±0,165
	23	24±0,165
	24	12 ±0,135
		16 ±0,135
		20 ±0,165
		24 ±0,165
		25 ±0,165
		27 ±0,165
		30 ±0,165
		32 ±0,195
	25	15 ±0,135
		16 ±0,135
		20 ±0,165
		22 ±0,165
		25 ±0,165

Transmission coupler
Organs de trasmission
Organi di trasmissione

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
20	25	28 ±0,165
		30 ±0,165
		32 ±0,195
		34 ±0,195
		35 ±0,195
		40 ±0,195
	26	7 ±0,110
		15 ±0,135
		16 ±0,135
		20 ±0,165
		25 ±0,165
		26 ±0,165
		30 ±0,165
		32 ±0,195
		35 ±0,195
		40 ±0,195
	27	16 ±0,135
		20 ±0,165
		25 ±0,165
		32 ±0,195
	28	16 ±0,135
		20 ±0,165
		25 ±0,165
		28 ±0,165
		30 ±0,165
		32 ±0,195
		35 ±0,195
		40 ±0,195
		50 ±0,195
	30	20 ±0,165
		25 ±0,165
		30 ±0,195
		35 ±0,195
		40 ±0,195
22	26	20 ±0,165
		22 ±0,165
		26 ±0,165
		30 ±0,165
	27	15 ±0,135
		18 ±0,135
		20 ±0,165
		22 ±0,165
		25 ±0,165
		28 ±0,165

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
22	27	30 ±0,165
		35 ±0,165
		36 ±0,195
		40 ±0,195
	28	15 ±0,135
		18 ±0,135
		20 ±0,165
		22 ±0,165
		25 ±0,165
		28 ±0,165
		30 ±0,165
		34 ±0,195
		35 ±0,195
		36 ±0,195
		40 ±0,195
	29	18 ±0,135
		22 ±0,165
		28 ±0,165
		36 ±0,195
	32	20 ±0,165
		22 ±0,165
		30 ±0,165
		40 ±0,195
		45 ±0,195
		50 ±0,195
24	28	30 ±0,165
	30	24 ±0,165
		30 ±0,165
		32 ±0,195
		40 ±0,195
25	30	20 ±0,165
		25 ±0,165
		30 ±0,165
		32 ±0,195
		35 ±0,195
		40 ±0,195
		50 ±0,195
	32	20 ±0,165
		25 ±0,165
		30 ±0,165
		32 ±0,195
		35 ±0,195
		40 ±0,195
		45 ±0,195

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
25	35	15 ±0,135
		25 ±0,165
		30 ±0,165
		35 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
26	30	40 ±0,195
28	33	20 ±0,165
		22 ±0,165
		28 ±0,165
		30 ±0,165
		33 ±0,195
		36 ±0,195
		40 ±0,195
		45 ±0,195
	35	15 ±0,135
		25 ±0,165
		28 ±0,165
		30 ±0,165
		35 ±0,195
		40 ±0,195
		44 ±0,195
		45 ±0,195
		50 ±0,195
	36	20 ±0,165
		22 ±0,165
		25 ±0,165
		28 ±0,165
		30 ±0,165
		35 ±0,195
		36 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
30	34	40 ±0,195
	35	20 ±0,165
		25 ±0,165
		30 ±0,165
		35 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
	36	10 ±0,165

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
30	36	30 ±0,165
		35 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
	38	20 ±0,165
		24 ±0,165
		25 ±0,165
		30 ±0,165
		35 ±0,195
		38 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
	40	20 ±0,165
		25 ±0,165
		30 ±0,165
		35 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
		60 ±0,230
30,1	38	20 ±0,165
32	38	20 ±0,165
		25 ±0,165
		30 ±0,165
		32 ±0,195
		38 ±0,195
		40 ±0,195
		50 ±0,195
	40	20 ±0,165
		25 ±0,165
		30 ±0,165
		32 ±0,195
		35 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
34	40	50 ±0,195
35	40	20 ±0,165
		25 ±0,165
		30 ±0,165
		35 ±0,195
		40 ±0,195
		45 ±0,195

Transmission coupler
Organs de trasmission
Organi di trasmissione

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
35	40	50 ±0,195
	41	25 ±0,165
		35 ±0,195
		40 ±0,195
	42	35 ±0,195
		42 ±0,195
		50 ±0,195
	44	22 ±0,165
		28 ±0,165
		35 ±0,195
	45	25 ±0,165
		30 ±0,165
		35 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
		55 ±0,230
		60 ±0,230
36	42	22 ±0,165
		28 ±0,165
		36 ±0,195
		45 ±0,195
	45	22 ±0,165
		28 ±0,165
		36 ±0,195
		45 ±0,195
	50	50 ±0,195
38	44	25 ±0,165
		35 ±0,195
		45 ±0,195
	48	35 ±0,195
		45 ±0,195
		55 ±0,230
40	45	20 ±0,165
		30 ±0,165
		35 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
		55 ±0,230
	46	25 ±0,165
		30 ±0,165
		32 ±0,195
		40 ±0,195

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
40	46	50 ±0,195
	50	25 ±0,165
		30 ±0,165
		32 ±0,165
		35 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
		60 ±0,230
		80 ±0,230
	60	60 ±0,230
42	48	40 ±0,195
		50 ±0,195
	52	40 ±0,195
		50 ±0,195
45	51	28 ±0,165
		35 ±0,195
		36 ±0,195
		45 ±0,195
		55 ±0,230
		56 ±0,230
	55	30 ±0,165
		35 ±0,195
		45 ±0,195
		50 ±0,195
		55 ±0,230
		60 ±0,230
		65 ±0,230
	56	28 ±0,165
		35 ±0,195
		36 ±0,195
		45 ±0,195
		56 ±0,230
	60	40 ±0,195
		45 ±0,195
		50 ±0,195
		60 ±0,230
48	55	50 ±0,195
	58	50 ±0,195
50	54	45 ±0,195
	56	32 ±0,195
		40 ±0,195
		50 ±0,195
		63 ±0,203

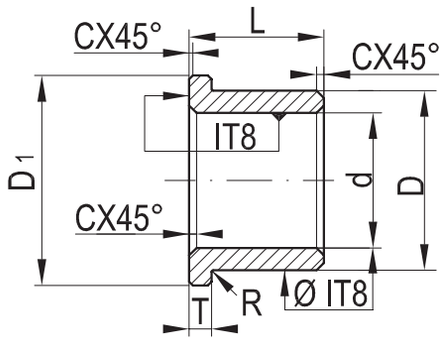
Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
50	60	30 ±0,165
		32 ±0,165
		35 ±0,195
		40 ±0,195
		45 ±0,195
		50 ±0,195
		60 ±0,230
		63 ±0,230
		70 ±0,230
		75 ±0,230
		80 ±0,230
55	63	40 ±0,195
		55 ±0,230
	65	40 ±0,195
		55 ±0,230
		60 ±0,230
		70 ±0,230
	70	70 ±0,230
		75 ±0,203
60	68	50 ±0,195
		60 ±0,230
	70	50 ±0,195
		60 ±0,230
		70 ±0,230
		80 ±0,230
		90 ±0,270
		120 ±0,270
	72	50 ±0,195
		60 ±0,230
		70 ±0,230
	75	60 ±0,230
		70 ±0,230
		75 ±0,230
		80 ±0,230
		90 ±0,270
	80	90 ±0,270
		120 ±0,270
63	70	40 ±0,195
		50 ±0,195
65	75	65 ±0,230
		70 ±0,230
		80 ±0,230
	80	60 ±0,230
		80 ±0,230
65	80	90 ±0,270

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$L_{(js13)}$
70	80	35 ±0,195
		60 ±0,230
		70 ±0,230
		80 ±0,230
		90 ±0,270
		120 ±0,270
	85	60 ±0,230
		70 ±0,230
		90 ±0,270
75	90	60 ±0,230
		70 ±0,230
80	95	70 ±0,230
		80 ±0,230
		90 ±0,270
	96	60 ±0,230
	100	80 ±0,230
		120 ±0,270
85	100	70 ±0,230
		80 ±0,230
		100 ±0,270
90	100	70 ±0,230
		80 ±0,230
		90 ±0,270
		100 ±0,270
	110	65 ±0,230
		80 ±0,230
100	110	65 ±0,230
	120	65 ±0,230
		80 ±0,230
		100 ±0,270
		120 ±0,270
	120,3	65 ±0,230
110	125	120 ±0,270
125	150	120 ±0,270

Flanged sintered bronze bushings
Douilles sintérisées bridées en bronze
Boccole sinterizzate in bronzo flangiate



Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
2	5	8	1,5	$3^{\pm 0,070}$	0,3	0,3
3	6	8	1,5	$10^{\pm 0,110}$	0,3	0,3
		9		$4^{\pm 0,090}$		
				$5^{\pm 0,090}$		
				$6^{\pm 0,090}$		
				$10^{\pm 0,110}$		
4	8	10	2	$6^{\pm 0,090}$	0,3	0,3
		12	2	$8^{\pm 0,110}$		
				$3^{\pm 0,070}$		
				$4^{\pm 0,090}$		
				$5^{\pm 0,090}$		
				$6^{\pm 0,090}$		
				$8^{\pm 0,110}$		
				$10^{\pm 0,110}$		
				$12^{\pm 0,135}$		
5	9	13	2	$4^{\pm 0,090}$	0,3	0,3
				$5^{\pm 0,090}$		
				$8^{\pm 0,110}$		
	10	12		$7^{\pm 0,110}$		
				$8^{\pm 0,110}$		
				$12^{\pm 0,135}$		
				$15^{\pm 0,135}$		
				$16^{\pm 0,135}$		

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
6	9	13	2	$8^{\pm 0,110}$	0,3	0,3
	10	12	2	$6^{\pm 0,090}$		
				$8^{\pm 0,110}$		
				$10^{\pm 0,110}$		
				$12^{\pm 0,135}$		
				$16^{\pm 0,135}$		
		14	2	$4^{\pm 0,090}$		
				$5^{\pm 0,090}$		
				$6^{\pm 0,090}$		
				$10^{\pm 0,110}$		
				$12^{\pm 0,135}$		
				$14^{\pm 0,135}$		
				$15^{\pm 0,135}$		
				$16^{\pm 0,135}$		
	12			$8^{\pm 0,110}$		
				$10^{\pm 0,110}$		
				$12^{\pm 0,135}$		
				$13^{\pm 0,135}$		
				$16^{\pm 0,135}$		
				$20^{\pm 0,165}$		
7	11	15	2	$5^{\pm 0,090}$	0,6	0,3
				$8^{\pm 0,110}$		
				$10^{\pm 0,110}$		
	12	16	2	$8^{\pm 0,110}$		
				$12^{\pm 0,135}$		

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
8	12	16	2	$6^{\pm0,090}$	0,6	0,3
				$8^{\pm0,110}$		
				$10^{\pm0,110}$		
				$12^{\pm0,135}$		
				$14^{\pm0,135}$		
				$15^{\pm0,135}$		
				$16^{\pm0,135}$		
				$20^{\pm0,165}$		
	14	18	3	$8^{\pm0,110}$		
				$11^{\pm0,135}$		
				$12^{\pm0,135}$		
				$14^{\pm0,135}$		
				$20^{\pm0,165}$		
9	14	19	2,5	$6^{\pm0,090}$	0,6	0,4
				$10^{\pm0,110}$		
				$14^{\pm0,135}$		
10	13	16	2	$6^{\pm0,090}$	0,6	0,4
		17	2,5	$10^{\pm0,110}$		
				$16^{\pm0,135}$		
				$20^{\pm0,165}$		
	14	18	2	$6^{\pm0,090}$		
			3			
			2	$8^{\pm0,110}$		
			3	$10^{\pm0,110}$		
			2	$12^{\pm0,135}$		
			3	$14^{\pm0,135}$		
				$15^{\pm0,135}$		
			2	$16^{\pm0,135}$		
			3	$20^{\pm0,165}$		
	15	19	2			
		20				
		21	3	$8^{\pm0,110}$		
				$10^{\pm0,110}$		
				$15^{\pm0,135}$		
				$16^{\pm0,135}$		
				$20^{\pm0,165}$		
	16	20		$8^{\pm0,110}$		
				$10^{\pm0,110}$		
				$16^{\pm0,135}$		
				$20^{\pm0,165}$		
		22		$8^{\pm0,110}$		
				$10^{\pm0,110}$		
				$16^{\pm0,135}$		

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
12	15	18	1,5	$8^{\pm0,110}$	0,6	0,4
				$20^{\pm0,165}$		
			2	$7^{\pm0,110}$		
		21	3	$12^{\pm10,135}$		
				$16^{\pm0,135}$		
				$20^{\pm0,165}$		
	16	18	2	$12^{\pm0,135}$		
				$14^{\pm0,135}$		
				$20^{\pm0,165}$		
		20		$10^{\pm0,110}$		
				$12^{\pm0,135}$		
				$16^{\pm0,135}$		
				$18^{\pm0,135}$		
				$25^{\pm0,165}$		
		25	3	$18^{\pm0,135}$		
	17	23		$12^{\pm0,135}$		
				$16^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
	18	22		$10^{\pm0,110}$		
				$12^{\pm0,135}$		
				$16^{\pm0,135}$		
				$18^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
		24		$8^{\pm0,110}$		
				$12^{\pm0,135}$		
				$20^{\pm0,165}$		
14	18	22	2	$14^{\pm0,135}$	0,6	0,4
				$18^{\pm0,135}$		
				$22^{\pm0,165}$		
	20	25	3	$10^{\pm0,110}$		
				$12^{\pm0,135}$		
				$14^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
		26		$10^{\pm0,110}$		
				$14^{\pm0,135}$		
				$15^{\pm0,135}$		
				$18^{\pm0,135}$		
				$20^{\pm0,165}$		
				$22^{\pm0,165}$		
				$28^{\pm0,165}$		

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
15	19	25	3	$16^{\pm0,135}$	0,6	0,4
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
	20			$15^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
		28	4	$20^{\pm0,165}$		
				$32^{\pm0,195}$		
	21	27	3	$10^{\pm0,110}$		
				$15^{\pm0,135}$		
				$16^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$32^{\pm0,195}$		
	22	28		$12^{\pm0,135}$		
				$15^{\pm0,135}$		
				$16^{\pm0,135}$		
				$22^{\pm0,165}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
16	20	24	2	$9^{\pm0,110}$	0,6	0,4
			3	$12^{\pm0,135}$		
				$15^{\pm0,135}$		
		27		$16^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
	22	28	4	$12^{\pm0,135}$		
			3	$15^{\pm0,135}$		
				$16^{\pm0,135}$		
			3,5	$16^{\pm0,135}$		
			4			
			3	$20^{\pm0,165}$		
			4			
			3,5	$22^{\pm0,165}$		
			3	$25^{\pm0,165}$		
				$30^{\pm0,165}$		
			3,5	$30^{\pm0,165}$		
			3	$32^{\pm0,195}$		
			3,5	$35^{\pm0,195}$		
17	25	32	4	$17^{\pm0,135}$	0,6	0,4
				$25^{\pm0,165}$		
				$35^{\pm0,195}$		

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
18	22	26	2	$18^{\pm0,135}$	0,6	0,4
				$22^{\pm0,165}$		
				$28^{\pm0,165}$		
	24	30	3	$12^{\pm0,135}$		
				$18^{\pm0,135}$		
				$22^{\pm0,165}$		
				$28^{\pm0,165}$		
				$30^{\pm0,165}$		
	25	32	4	$16^{\pm0,165}$		
				$18^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
			5	$35^{\pm0,195}$		
20	24	30	3	$16^{\pm0,135}$	0,6	0,4
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
	25	28	2	$30^{\pm0,165}$		
		30	4	$25^{\pm0,165}$		
	26	32	3	$15^{\pm0,135}$		
				$16^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
				$32^{\pm0,195}$		
			2	$40^{\pm0,195}$		
	28	35	4	$16^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
				$35^{\pm0,195}$		
				$40^{\pm0,195}$		

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
22	27	32	2,5	$18^{\pm0,135}$	0,6	0,4
				$22^{\pm0,165}$		
				$28^{\pm0,165}$		
	28	32	3	$20^{\pm0,165}$		
		34		$15^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
		35		$22^{\pm0,165}$		
	29	36	3,5	$18^{\pm0,135}$		
				$22^{\pm0,165}$		
				$28^{\pm0,165}$		
				$40^{\pm0,195}$		
	32	40	5	$20^{\pm0,165}$		
				$22^{\pm0,165}$		
				$30^{\pm0,165}$		
				$40^{\pm0,195}$		
24	32	35	4,6	$14,6^{\pm0,135}$	0,6	0,4
25	30	36	3	$20^{\pm0,165}$	0,6	0,4
				$45^{\pm0,195}$		
		39	3,5	$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$32^{\pm0,195}$		
		40	4	$16^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
	32	39	3,5	$20^{\pm0,165}$	0,6	0,6
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
				$32^{\pm0,195}$		
		40	5	$16^{\pm0,135}$		
				$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
				$32^{\pm0,195}$		
				$40^{\pm0,195}$		
				$53^{\pm0,230}$		
		35	45	$16^{\pm0,135}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
				$35^{\pm0,195}$		
				$45^{\pm0,195}$		

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
28	33	38	2,5	$22^{\pm0,165}$	0,6	0,6
				$28^{\pm0,165}$		
				$35^{\pm0,195}$		
	35			$20^{\pm0,165}$		
				$28^{\pm0,165}$		
	36	44	4	$20^{\pm0,165}$		
				$22^{\pm0,165}$		
				$25^{\pm0,165}$		
				$28^{\pm0,165}$		
				$30^{\pm0,165}$		
				$35^{\pm0,195}$		
				$36^{\pm0,195}$		
				$40^{\pm0,195}$		
30	35	40	3	$30^{\pm0,165}$	0,6	0,6
				$35^{\pm0,195}$		
				$40^{\pm0,195}$		
	38	46	4	$20^{\pm0,165}$		
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
	40	48		$25^{\pm0,165}$		
				$30^{\pm0,165}$		
				$35^{\pm0,195}$		
				$40^{\pm0,195}$		
		50	5	$20^{\pm0,165}$		
				$30^{\pm0,165}$		
				$40^{\pm0,195}$		
				$42^{\pm0,195}$		
				$55^{\pm0,230}$		
32	38	46	4	$20^{\pm0,165}$	0,8	0,6
				$25^{\pm0,165}$		
				$32^{\pm0,195}$		
	40	48		$20^{\pm0,165}$		
				$25^{\pm0,165}$		
32	40	48	4	$28^{\pm0,165}$	0,8	0,6
				$30^{\pm0,165}$		
				$32^{\pm0,195}$		
				$35^{\pm0,195}$		
				$36^{\pm0,195}$		
				$40^{\pm0,195}$		
	42		5	$32^{\pm0,195}$		
				$40^{\pm0,195}$		

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
35	45	55	5	$20^{\pm0,165}$	0,8	0,7
				$25^{\pm0,165}$		
				$30^{\pm0,165}$		
				$35^{\pm0,195}$		
				$40^{\pm0,195}$		
				$45^{\pm0,195}$		
				$50^{\pm0,195}$		
36	45	48	4,5	$22^{\pm0,165}$	0,8	0,7
38	48	58	5	$25^{\pm0,165}$	0,8	0,7
				$35^{\pm0,195}$		
40	46	56	5	$25^{\pm0,165}$	0,8	0,7
				$32^{\pm0,195}$		
				$40^{\pm0,195}$		
	50	60		$25^{\pm0,165}$		
				$30^{\pm0,165}$		
				$32^{\pm0,195}$		
				$35^{\pm0,195}$		
				$40^{\pm0,195}$		
				$50^{\pm0,195}$		
			6	$25^{\pm0,165}$		
				$30^{\pm0,165}$		
				$40^{\pm0,195}$		
				$50^{\pm0,195}$		
				$60^{\pm0,230}$		
42	52	62	5	$30^{\pm0,165}$	0,8	0,7
				$40^{\pm0,195}$		
				$50^{\pm0,195}$		
45	51	57	3	$28^{\pm0,165}$	0,8	0,7
				$36^{\pm0,195}$		
				$45^{\pm0,195}$		
	55	65	5	$35^{\pm0,195}$		
				$45^{\pm0,195}$		
				$55^{\pm0,230}$		
				$65^{\pm0,230}$		
			6	$30^{\pm0,165}$		
				$35^{\pm0,195}$		
				$40^{\pm0,195}$		
				$45^{\pm0,195}$		
				$55^{\pm0,230}$		
	56	67	5,5	$28^{\pm0,165}$		
				$36^{\pm0,165}$		
				$45^{\pm0,195}$		

Dimensions (mm)
Dimensions (mm)
Dimensioni (mm)

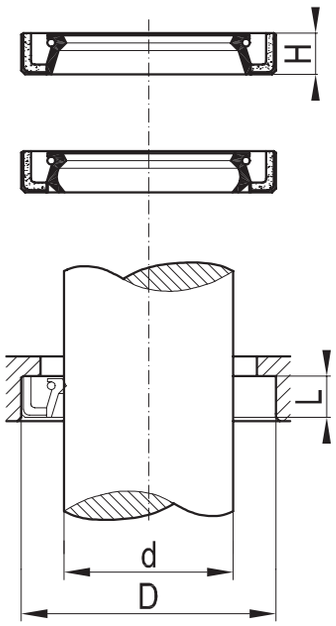
$d_{(G7)}$	$D_{(s7)}$	$D1_{(js13)}$	$T_{(js13)}$	$L_{(js13)}$	R	C_{max}
50	56	62	3	$32^{\pm0,195}$	0,8	0,7
				$40^{\pm0,195}$		
				$50^{\pm0,195}$		
	60	70	5	$32^{\pm0,195}$		
				$35^{\pm0,195}$		
				$40^{\pm0,195}$		
				$50^{\pm0,195}$		
				$60^{\pm0,230}$		
			6	$30^{\pm0,195}$		
				$40^{\pm0,195}$		
				$50^{\pm0,195}$		
				$60^{\pm0,230}$		
				$70^{\pm0,230}$		
55	64	71	5	$45^{\pm0,195}$	0,8	0,7
60	70	80	5	$50^{\pm0,195}$	0,8	0,8
	75	85	6	$60^{\pm0,230}$		
			8			
			6	$65^{\pm0,230}$		
				$70^{\pm0,230}$		
70	85	95	6	$60^{\pm0,230}$	0,8	0,8
			8			
			6	$65^{\pm0,230}$		
			8	$70^{\pm0,230}$		
			6	$80^{\pm0,230}$		
80	95	105	8	$60^{\pm0,230}$	0,8	0,8
				$70^{\pm0,230}$		
				$80^{\pm0,230}$		
				$90^{\pm0,230}$		

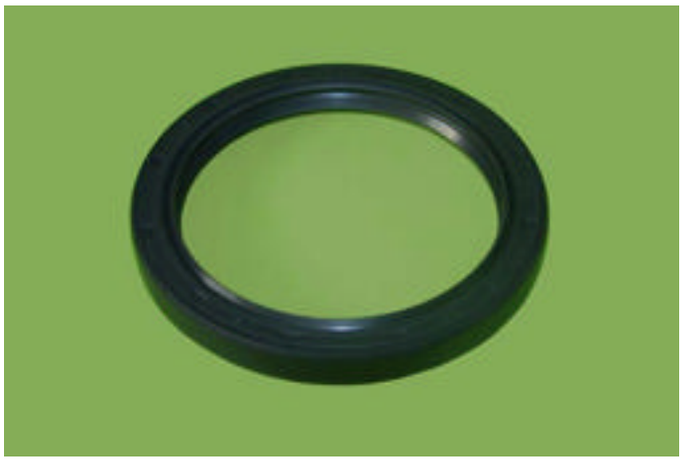
gaskets
joints
guarnizioni

mori s.p.a.

take care of your business

Ring seals for rotary shafts
Joints d'étanchéité pour arbres tournants
Guarnizioni di tenuta per alberi rotanti





Ring seals for rotary shafts consist of a rubber ring reinforced with a metal insert and a spring.
The metal stiffening ring allows to lock the gasket in the external housing, while the tensioning spring enables to keep a constant radial pressure of the seal lip on the shaft surface.
In both type A and AS the metal insert is covered by a rubber layer, the only difference being a dust lip for type AS.
The standard combination includes a NBR 75 Shore A compound with metal insert and steel spring; we are able to provide other materials such as FPM 75 Shore A and SIL 75 Shore A with stainless steel spring in case of particular working conditions.

Les anneaux d'étanchéité pour arbres tournants sont structurellement composés d'une partie en caoutchouc renforcé par un insert métallique et par un ressort.
La fonction de l'insert métallique est de raidir le joint pour être serré dans l'enfoncement interne, la fonction du ressort est de contribuer à maintenir constante la pression radiale de la lèvre d'étanchéité au contact avec la surface de l'arbre.
Que ce soit le type A que le type AS, ils présentent l'insert métallique recouvert par une épaisseur de caoutchouc, la seule différence qui les distingue c'est que le type AS a en plus la lèvre anti-poussière.
La combinaison standard prévoit l'utilisation d'un mélange NBR 75 shore A avec insert métallique et ressort en acier; nous fournissions d'autres matériels comme l'FPM 75 shore A et le SIL 75 Shore A accouplés avec un ressort en acier inoxydable, quand il y a des conditions d'exercice particulières.

Gli anelli di tenuta per alberi rotanti sono strutturalmente composti da una parte in gomma rinforzata da un inserto metallico e da una molla.
La funzione dell'inserto metallico è quella di irrigidire la guarnizione per essere serrata nella cava esterna, quella della molla è di contribuire a mantenere costante la pressione radiale del labbro di tenuta a contatto con la superficie dell'albero.
Sia il tipo A che il tipo AS presentano l'inserto metallico ricoperto da uno strato di gomma, l'unica differenza che li contraddistingue è che il tipo AS ha in più il labbro parapolvere.
La combinazione standard prevede l'utilizzo di una mescola NBR 75 Shore A con inserto metallico e molla in acciaio; forniamo altri materiali come l'FPM 75 Shore A e il SIL 75 Shore A abbinati con molla in acciaio inossidabile, qualora vi siano condizioni particolari d'esercizio.

Materials

NBR 75 Shore A (K7)	**Working temperature: -30°C/+150°C** **Especially suitable for mineral, vegetable and animal oils and greases, water and water solutions; medium sunlight and oxidation resistance.**
FPM 75 Shore A (G7)	**Working temperature: -30°C/+200°C** **High heat, oil, grease (also additived), aromatic and aliphatic hydrocarbons and solvents resistance.**
5W 75 Shore A (F7)	**Working temperature: -60°C/+180°C** **High ozone and weather resistance, excellent flexibility and good mineral oil resistance.**

Composition

NBR 75 Shore A (K7)	*Température d'exercice: -30 +115°C* *Il est particulièrement adapté pour l'étanchéité d'huiles et de graisses minérales, animales, végétales, de l'eau et des solutions aqueuses; il a une résistance moyenne à la lumière et à l'oxydation.*
FPM 75 Shore A (G7)	*Température d'exercice: -15 +200°C* *Il a une très bonne résistance à la chaleur, aux huiles et aux graisses même additionnées, aux hydrocarbures aromatiques et aliphatiques et aux solvants.*
5W 75 Shore A (F7)	*Température d'exercice: -60 +180°C* *Il a une très bonne résistance à l'ozone et aux agents atmosphériques, il est doté d'une bonne élasticité et d'une bonne résistance aux huiles minérales.*

Composizione

NBR 75 Shore A (K7)	Temperatura d'esercizio: -30 +115°C E' particolarmente adatto per la tenuta di oli e grassi minerali, animali, vegetali, acqua e soluzioni acquose; ha una media resistenza alla luce e all'ossidazione.
FPM 75 Shore A (G7)	Temperatura d'esercizio: -15 +200°C Ha un'ottima resistenza al calore, ad oli e grassi anche addittivati, idrocarburi aromatici e alifatici e solventi.
5W 75 Shore A (F7)	Temperatura d'esercizio: -60 +180°C Ha un'ottima resistenza all'ozono ed agli agenti atmosferici, è dotato di ottima elasticità e buona resistenza agli oli minerali.

Cod.	Descr.
1001120001	4x12x6
1001120002	5,4x22x7
1001120003	6x16x7
1001120004	6x19x7
1001120005	6x22x7
1001120006	6x22x8
1001120007	7x16x7
1001120008	7x22x7
1001120009	8x16x7
1001120010	8x22x7
1001120011	9x26x7
1001120012	10x18x6
1001120013	10x19x7
1001120014	10x22x7
1001120015	10x24x7
1001120016	10x25x8
1001120017	10x26x7
1001120018	10x30x7
1001120019	11x22x7
1001120020	11x26x7
1001120021	11x30x7
1001120364	11x17x4
1001120022	12x19x5
1001120023	12x22x7
1001120024	12x24x7
1001120025	12x25x8
1001120026	12x26x8
1001120027	12x28x7
1001120028	12x30x7
1001120029	12x30x10
1001120030	12x32x7
1001120031	12,7x24x7
1001120032	13x26x7
1001120365	13x30x8
1001120033	14x22x7
1001120034	14x24x7
1001120035	14x28x7
1001120036	14x30x7
1001120366	14x22x4
1001120037	15x24x7
1001120038	15x26x7
1001120039	15x30x7
1001120040	15x30x10
1001120041	15x32x7
1001120042	15x32x10
1001120043	15x35x7
1001120044	15x35x10
1001120045	15x40x10
1001120046	15x42x10
1001120367	15x24x5
1001120368	15x28x7
1001120047	16x24x5
1001120048	16x24x7

Cod.	Descr.
1001120049	16x28X7
1001120050	16x35x10
1001120369	16x32X7
1001120051	17x28x6
1001120052	17x28x7
1001120053	17x30x7
1001120054	17x32x7
1001120055	17X35X7
1001120056	17X35X8
1001120057	17x40x7
1001120058	17x40x10
1001120059	17x47Fx10
1001120370	17x40x6
1001120060	18x30x7
1001120061	18x32x7
1001120062	18x32x8
1001120063	18x35x7
1001120371	18x35x8
1001120372	18x35x10
1001120373	18x40x7
1001120064	19x40x10
1001120065	20x28x7
1001120066	20x30x5
1001120067	20x30x7
1001120068	20x32x7
1001120069	20x35x7
1001120070	20x35x10
1001120071	20x40x7
1001120072	20x40x10
1001120073	20x47x7
1001120074	20x47x8
1001120076	20x52x7
1001120374	20x28x6
1001120375	20x32x6
1001120376	20x37x8
1001120377	20x38x7
1001120378	20x42x7
1001120075	20x47x9,5
1001120077	22x32x7
1001120078	22x35x7
1001120079	22x35x8
1001120080	22x35x10
1001120081	22x40x7
1001120082	22x40x10
1001120083	22x45x7
1001120084	22x47x10
1001120379	22x38x7
1001120380	22x40x10
1001120381	22x47x7
1001120085	23x40x10
1001120086	24x35x7
1001120087	24x37x7
1001120088	24x40x7

Gaskets
Joints
Guarnizioni

Cod.	Descr.
1001120089	24x47x7
1001120090	25x35x7
1001120091	25x36x7
1001120092	25x37x7
1001120093	25x38x7
1001120094	25x40x7
1001120095	25x40x8
1001120096	25x40x10
1001120097	25x42x6
1001120098	25x42x7
1001120099	25x42x10
1001120100	25x45x10
1001120101	25x45x7
1001120102	25x47x10
1001120103	25x50x10
1001120104	25x52x7
1001120105	25x52x10
1001120106	25x62x8
1001120107	25x62x10
1001120382	25x37x5
1001120383	25x42x8
1001120384	25x47x7
1001120108	26x37x7
1001120109	26x47x10
1001120395	26x52x8
1001120110	27x37x7
1001120111	27x47X10
1001120385	27x35x7
1001120112	28x38x7
1001120113	28x40x7
1001120114	28X42x8
1001120115	28x42x10
1001120116	28x43x10
1001120117	28x45X8
1001120118	28x47x7
1001120119	28x48x10
1001120120	28x52x7
1001120121	28x52x10
1001120386	28x42x7
1001120387	28x47x8
1001120388	28x47x10
1001120122	30x40x7
1001120123	30x42x7
1001120124	30x44x10
1001120125	30x45x8
1001120126	30x47x5
1001120127	30x47x7
1001120128	30x47x8
1001120129	30x47x10
1001120130	30x50x8
1001120131	30x50x10
1001120132	30x52x7
1001120133	30x52x8

Cod.	Descr.
1001120134	30X52x10
1001120135	30x55x10
1001120136	30x56x10
1001120137	30X60X10
1001120138	30x62x7
1001120139	30x62x10
1001120140	30x62x12
1001120141	30x72x10
1001120389	30x40X10
1001120390	30xx43X8
1001120391	30x48xx8
1001120396	30x55x7
1001120142	32x42x7
1001120143	32X45x7
1001120144	32x47x7
1001120145	32x50x10
1001120146	32x52x7
1001120147	32X52X10
1001120148	32X56X10
1001120149	33X50X10
1001120150	34X50X10
1001120151	34x52X8
1001120152	34x62x10
1001120153	35x45x7
1001120154	35x47x7
1001120155	35x50x7
1001120156	35x50x10
1001120157	35x52x7
1001120159	35x52x10
1001120160	35x52x8
1001120161	35x55x10
1001120162	35x56x10
1001120163	35x58x10
1001120164	35x60x10
1001120165	35x62x7
1001120166	35x62x10
1001120167	35x68x6
1001120168	35x72x10
1001120169	35x72x12
1001120392	35x47x10
1001120393	35x48x7
1001120394	35x48x10
1001120397	35x54x10
1001120398	35x65x10
1001120158	35x52x8,5
1001120170	36x47x7
1001120171	36x50x7
1001120172	36x52x7
1001120173	36x58x12
1001120174	36x62x7
1001120399	36x56x10
1001120400	36x68x10
1001120175	37x68x10

Cod.	Descr.
1001120176	37x52x8
1001120177	37x52x10
1001120178	38x50x7
1001120179	38x52x7
1001120180	38x52x8
1001120181	38x54x10
1001120182	38x55x7
1001120183	38x56x10
1001120184	38x60x10
1001120185	38x62x7
1001120186	38x62x10
1001120401	38x52x10
1001120402	38x65x8
1001120187	40x50x8
1001120188	40x52x7
1001120189	40x55x7
1001120190	40x55x8
1001120191	40x55x10
1001120192	40x56x8
1001120193	40x58x12
1001120194	40x60x10
1001120195	40x62x7
1001120196	40x62x10
1001120198	40x65x10
1001120199	40x68x12
1001120200	40x72x7
1001120201	40x80x10
1001120206	40x65x10
1001120403	40x56x7
1001120404	40x58x8
1001120405	40x58x10
1001120406	40x68x10
1001120410	40x72x10
1001120197	40x62x11,5
1001120202	42x56x7
1001120203	42x62x8
1001120204	42x62x10
1001120205	42x65x8
1001120207	42x72x10
1001120208	42x80x10
1001120407	42x55x7
1001120408	42x58x7
1001120409	42x60x7
1001120411	42x68x10
1001120412	42x72x8
1001120209	44x65x10
1001120210	44x70x12
1001120211	44x72x10
1001120212	44,5x62x10
1001120213	45x60x7
1001120214	45x60x8
1001120215	45x60x10
1001120216	45x62x8

Cod.	Descr.
1001120217	45x62x10
1001120218	45x65x8
1001120219	45x65x10
1001120220	45x72x8
1001120221	45x72x10
1001120222	45x80x10
1001120413	45x72x7
1001120414	45x75x8
1001120415	45x75x10
1001120416	45x85x10
1001120223	48x62x8
1001120224	48x65x10
1001120225	48x68x10
1001120226	48x72x8
1001120227	48x72x10
1001120228	48x80x10
1001120417	48x72x10
1001120418	48x90x10
1001120229	50x65x8
1001120230	50x68x8
1001120231	50x68x10
1001120232	50x70x10
1001120233	50x72x8
1001120234	50x72x10
1001120235	50x80x8
1001120236	50x80x10
1001120237	50x90x10
1001120419	50x72x10
1001120420	50x85x10
1001120238	51x72x10
1001120239	52x68x8
1001120240	52x68x12
1001120241	52x69x10
1001120242	52x72x8
1001120243	52x72x10
1001120244	52x80x10
1001120245	52x85x10
1001120421	52x70x10
1001120246	55x68x8
1001120247	55x68x10
1001120248	55X70x8
1001120250	55x70x10
1001120251	55x72x8
1001120252	55x72x10
1001120253	55x75x10
1001120254	55x80x10
1001120255	55x85x8
1001120256	55x90x10
1001120422	55x76x10
1001120423	55x80x12
1001120424	55x85x10
1001120249	55x70x9,5
1001120257	56x70x8

Gaskets
Joints
Guarnizioni

Cod.	Descr.
1001120258	56x72x8
1001120259	56x85x8
1001120260	58x72x8
1001120261	58x80x8
1001120262	58x80x10
1001120425	58x85x10
1001120263	60x75x8
1001120264	60x80x8
1001120265	60x80x10
1001120266	60x85x8
1001120268	60x90x8
1001120269	60x90x10
1001120426	60x80x13
1001120427	60x90x13
1001120428	60x95x10
1001120429	60x110x12
1001120430	60x75x10
1001120270	62x85x10
1001120271	62x90x10
1001120431	62x80x10
1001120432	62x100x12
1001120272	63x85x10
1001120273	63x90x10
1001120274	63,5x90x13
1001120275	64x80x8
1001120276	64x85x10
1001120267	65x85x10
1001120277	65x80x8
1001120278	65x85x10
1001120279	65x85x12
1001120280	65x90x10
1001120281	65x100x10
1001120282	65x100x12
1001120433	65x110x10
1001120283	68x90x10
1001120284	68x100x10
1001120285	70x85x8
1001120286	70x90x10
1001120287	70x90x13
1001120288	70x100x10
1001120289	70x100x12
1001120290	70x110x13
1001120291	72x100x10
1001120434	72x95x10
1001120292	75x90x8
1001120293	75x90x10
1001120294	75x90x12
1001120295	75x95x12
1001120296	75x100x10
1001120297	75x100x13
1001120298	75x105x13
1001120435	75x110x12
1001120436	75x120x12

Cod.	Descr.
1001120299	78x100x10
1001120300	80x100x10
1001120301	80x100x12
1001120302	80x105x13
1001120303	80x110x10
1001120304	80x110x12
1001120305	80x120x13
1001120437	80x115x13
1001120306	80x150,5x1
1001120307	85x105x13
1001120308	85x110x12
1001120309	85x110x13
1001120310	85x120x12
1001120311	85x130x12
1001120438	85x115x13
1001120312	88x110x12
1001120313	90x110x12
1001120314	90x120x12
1001120439	90x110x13
1001120440	90x130x12
1001120315	92x112x13
1001120316	95x110x12
1001120317	95x120x12
1001120318	95x125x12
1001120319	95x136x13
1001120320	95x150,5x1
1001120321	95x180,5x1
1001120322	98x120x13
1001120323	100x120x12
1001120324	100x125x12
1001120325	100x130x12
1001120441	100x118x12
1001120442	100x125x13
1001120443	100x130x13
1001120444	100x140x13
1001120445	100x150x13
1001120326	105x130x12
1001120327	105X140x12
1001120328	110x130x12
1001120329	110x140x12
1001120446	110x150x13
1001120330	110x180,51
1001120331	115x140x12
1001120332	115x150x12
1001120333	120x145x15
1001120334	120x150x12
1001120335	120x160x12
1001120447	120x140x12
1001120336	125x150x12
1001120337	125x160x12
1001120338	130x160x12
1001120339	130x170x12
1001120340	135x170x12

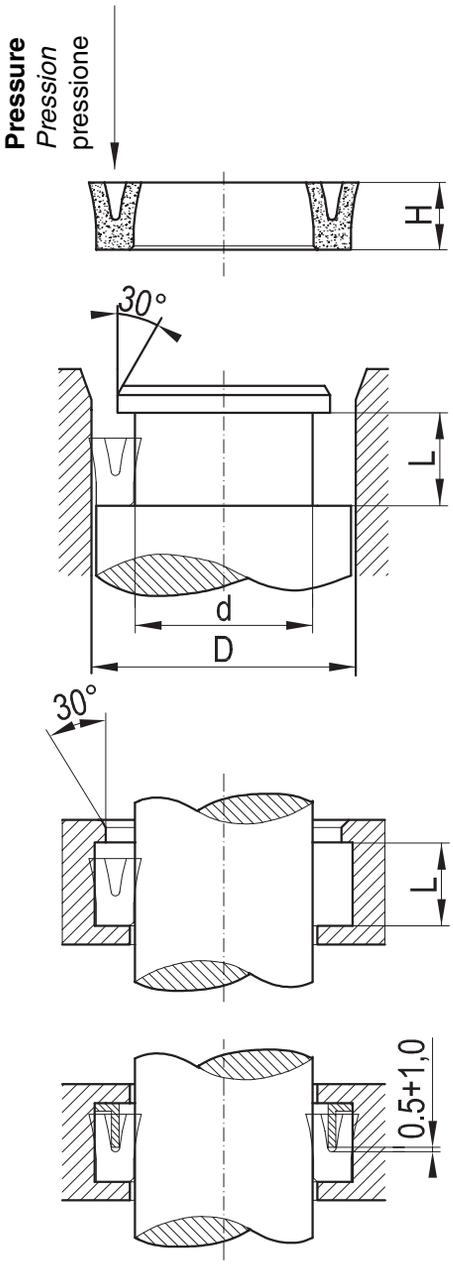
Cod.	Descr.
1001120448	135x160x12
1001120341	140x170x12
1001120342	140x180x12
1001120449	140x160x13
1001120343	145x180x12
1001120450	145x170x13
1001120344	148x170x15
1001120345	150x180x12
1001120346	150x180x15
1001120347	160x185x10
1001120348	160x190x15
1001120349	160x200x12
1001120351	170x200x15
1001120451	175x200x15
1001120350	178x200x12
1001120352	180x210x15

Cod.	Descr.
1001120353	180x220x15
1001120452	180x200x12
1001120354	185x210x13
1001120355	190x220x15
1001120453	190x230x15
1001120356	200x230x15
1001120454	200x250x15
1001120357	210x240x15
1001120455	210x250x15
1001120358	215x240x12
1001120359	220x250x15
1001120360	230x260x15
1001120361	240x270x15
1001120362	240x280x15
1001120363	250x280x15

"UM" rubber seals for alternative movements

Joints d'étanchéité en caoutchouc pour mouvements alternatifs série "UM"

Guarnizioni di tenuta in gomma per movimenti alternativi serie "UM"



The UM series consists of symmetric lip seals suitable for shafts or pistons of oil-hydraulic and pneumatic cylinders. They are made in NBR 90 Shore A and their sealing lip has a raw-edge finish.
The seals are usually installed by inserting a retaining ring that prevents them from moving axially from their housing. The ring must allow a 0.5 ÷1 mm clearance with the seal and must have bores to evenly distribute under-pressure fluid on both lips.
In addition to the standard material, the rings are provided in other compounds, such as FPM, which ensures high working temperatures and an excellent chemical resistance.

La série UM est constituée de joints à lèvres symétriques utilisés pour l'étanchéité sur tige et piston de cylindres oléodynamiques et pneumatiques. Ils sont réalisés en NBR 90 Shore A et ont les lèvres d'étanchéité finies à angle vif. Les joints sont normalement montés avec l'interposition d'un anneau d'arrêt, qui les empêche de se déplacer axialement dans le logement.L'anneau doit permettre un jeu de 0,5-1 mm avec le joint et doit avoir une série de trous qui ont le rôle de repartir de manière égale le fluide en pression sur les deux lèvres.
Outre le matériel standard, les joints sont fournis dans d'autres mélanges, parmi lesquelles l'FPM, qui résiste à des températures d'exercice élevées et il a une très bonne résistance chimique.

La serie UM è costituita da guarnizioni a labbri simmetrici utilizzate per la tenuta su stelo e pistone di cilindri oleodinamici e pneumatici. Sono realizzate in NBR 90 Shore A e hanno i labbri di tenuta rifiniti a spigolo vivo.
Le guarnizioni vengono normalmente montate con l'interposizioni di un anello di arresto, che impedisce loro di spostarsi assialmente nella sede. L'anello deve permettere un gioco di 0,5÷1 mm con la guarnizione e deve avere una serie di fori che hanno lo scopo di ripartire in egual misura il fluido in pressione sui due labbri.
Oltre al materiale standard le guarnizioni vengono fornite in altre mescole, tra le quali l'FPM, che resiste a temperature d'esercizio elevate e ha un'ottima resistenza chimica.

Operating conditions
Conditions d'exercice
Condizioni d'esercizio

Pressure *Pression* Pressione	120 bar	
Speed *Vitesse* Velocità	0,25 m/s	
Temperature *Température* Temperatura	(Y0) -30°C (G0) -15°C	+100°C +200°C

Materials
Composition
Composizione

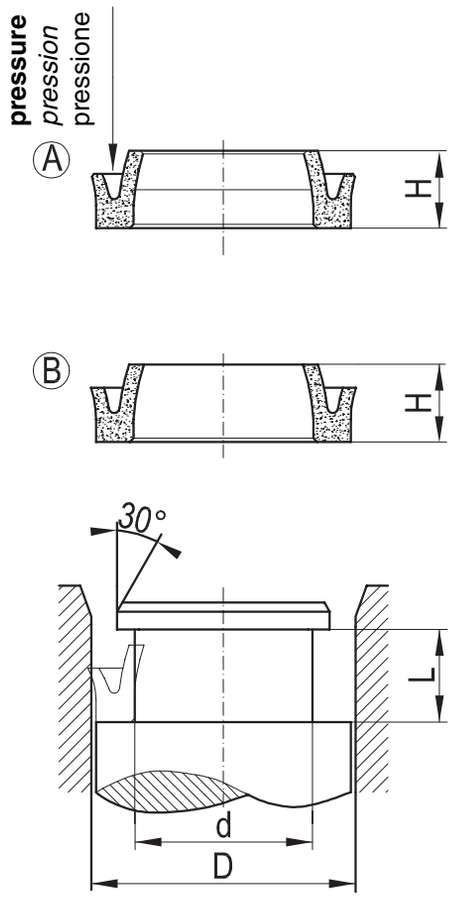
NBR 90 Shore A (Y0)
FPM 90 Shore A (G0)

Cod.	Descr.	D	d	H	L
1002010001	UM 125	12	5	5	6,5
1002010002	UM 158	15	8	6	7,5
1002010003	UM 168	16	8	6	7,5
1002010004	UM 176	17	6	6	7,5
1002010005	UM 186	18	6	8	9,5
1002010006	UM 206	20	6	8	9,5
1002010007	UM 20108	20	10	8	9,5
1002010008	UM 2210	22	10	6	7,5
1002010009	UM 2412	24	12	6	7,5
1002010010	UM 258	25	8	6	7,5
1002010011	UM 251010	25	10	10	11,5
1002010012	UM 2610	26	10	8	9,5
1002010013	UM 2812	28	12	10	11,5
1002010014	UM 281410	28	14	10	11,5
1002010015	UM 3010	30	10	10	11,5
1002010016	UM 3013	30	13	10	11,5
1002010017	UM 3015	30	15	8	9,5
1002010018	UM 301510	30	15	10	11,5
1002010019	UM 301810	30	18	10	11,5
1002010020	UM 3214	32	14	10	11,5
1002010021	UM 3216	32	16	8	9,5
1002010022	UM 3418	34	18	8	9,5
1002010023	UM 342210	34	22	10	11,5
1002010024	UM 3512	35	12	12	13,5
1002010025	UM 3515	35	15	10	11,5
1002010026	UM 352010	35	20	10	11,5
1002010027	UM 3616	36	16	10	11,5
1002010028	UM 3620	36	20	8	9,5
1002010029	UM 3817	38	17	10	11,5
1002010030	UM 3818	38	18	10	11,5
1002010031	UM 382210	38	22	10	11,5
1002010032	UM 4018	40	18	10	11,5
1002010033	UM 4020	40	20	10	11,5
1002010034	UM 402510	40	25	10	11,5
1002010035	UM 4222	42	22	10	11,5
1002010036	UM 4225	42	25	8	9,5
1002010037	UM 4320	43	20	12	13,5
1002010038	UM 4525	45	25	10	11,5
1002010039	UM 4530	45	30	10	11,5
1002010040	UM 453210	45	32	10	11,5
1002010041	UM 4626	46	26	10	11,5
1002010042	UM 4828	48	28	10	11,5
1002010043	UM 5025	50	25	12	13,5
1002010044	UM 5030	50	30	10	11,5
1002010045	UM 503510	50	35	10	11,5
1002010046	UM 5232	53	32	10	11,5
1002010047	UM 5535	55	35	10	11,5
1002010048	UM 564010	56	40	10	11,5
1002010049	UM 5838	58	38	10	11,5
1002010050	UM 6030	60	30	15	16,5
1002010051	UM 6035	60	35	12	13,5
1002010052	UM 6040	60	40	10	11,5
1002010053	UM 6540	65	40	12	13,5

Cod.	Descr.	D	d	H	L
1002010054	UM 6545	65	45	10	11,5
1002010055	UM 6848	68	48	10	11,5
1002010056	UM 7046	70	46	12	16,5
1002010057	UM 7050	70	50	10	11,5
1002010058	UM 7555	75	55	10	11,5
1002010059	UM 8055	80	55	12	13,5
1002010060	UM 8060	80	60	10	11,5
1002010061	UM 8555	85	55	15	16,5
1002010062	UM 8565	85	65	10	11,5
1002010063	UM 9060	90	60	15	16,5
1002010064	UM 9065	90	65	12	13,5
1002010065	UM 9070	90	70	10	11,5
1002010066	UM 9565	95	65	12	13,5
1002010067	UM 9575	95	75	10	11,5
1002010068	UM 10075	100	75	15	16,5
1002010069	UM 10080	100	80	10	11,5
1002010070	UM 10575	105	75	15	16,5
1002010071	UM 10580	105	80	12	13,5
1002010072	UM 10585	105	85	10	11,5
1002010073	UM 11080	110	80	15	16,5
1002010074	UM 11085	110	85	12	13,5
1002010075	UM 11090	110	90	10	11,5
1002010076	UM 11585	115	85	15	16,5
1002010077	UM 11595	115	95	10	11,5
1002010078	UM 12090	120	90	15	16,5
1002010079	UM 120100	120	100	10	11,5
1002010080	UM 12595	125	95	15	16,5
1002010081	UM 125100	125	100	12	13,5
1002010082	UM 130100	130	100	15	16,5
1002010083	UM 135110	135	110	12	13,5
1002010084	UM 140110	140	110	15	16,5
1002010085	UM 140120	140	120	10	11,5
1002010086	UM 14511512	145	115	12	13,5
1002010087	UM 150120	150	120	15	16,5
1002010088	UM 15012518	150	125	18	19,5
1002010089	UM 155125	155	125	15	16,5
1002010090	UM 160130	160	130	15	16,5
1002010091	UM 16013518	160	135	18	19,5
1002010092	UM 16514018	165	140	18	19,5
1002010093	UM 170140	170	140	15	16,5
1002010094	UM 175145	175	145	15	16,5
1002010095	UM 180150	180	150	15	16,5
1002010096	UM 190160	190	160	15	16,5
1002010097	UM 200160	200	160	20	21,5
1002010098	UM 200170	200	170	15	16,5
1002010099	UM 210170	210	170	20	21,5
1002010100	UM 21018022	210	180	22	23,5
1002010101	UM 220180	220	180	20	21,5
1002010102	UM 220190	220	190	15	16,5
1002010103	UM 225195	225	195	15	16,5
1002010104	UM 230200	230	200	15	16,5

DE-DEM rubber seals for alternative movements

Joints d'étanchéité en caoutchouc pour mouvements alternatifs série DE - DEM
Guarnizioni di tenuta in gomma per movimenti alternativi serie DE - DEM



The DE and DEM series consist of NBR 90 Shore A lip seals suitable to seal against the piston of oil-hydraulic and pneumatic cylinders.
The material is softer to allow the installations on the piston seat. They are manufactured in smaller diameters compared to the nominal sizes. The external lips reach the foreseen size only after the installation of the seal. There is no need for a retaining ring because the inner lip of the static seal, which is higher and stronger, prevents the axial shift of the gasket from its housing.
DE seals (Fig. A) are suitable for inch-sized pistons and have raw-edge lips.
DEM seals (Fig. B) are suitable for metric pistons and have negative-cut lips.
In addition to the standard material, the rings are provided in other compounds, such as FPM, which ensures high working temperatures and an excellent chemical resistance.

La série DE et DEM est constituée de joints à lèvre réalisés en NBR 75 Shore A et utilisés pour l'étanchéité sur piston et cylindres pneumatiques et oléodynamiques.
La dureté la plus basse du matériau est nécessaire pour faciliter le montage des joints dans le logement du piston. Ils sont produits avec des diamètres inférieurs par rapport aux mesures nominales. Seulement après le monitorage du joint, les lèvres externes rejoignent la mesure prévue. Ils ne nécessitent pas d'anneau d'arrêt car la lèvre interne à étanchéité statique, plus haute et robuste, sert d'arrêt au déplacement axial du joint dans le logement.
Les DE (dessin A) sont utilisés pour les pistons avec dimensions en pouces et ayant les lèvres finies avec coupe à angle vif.
Les DE (dessin B) sont utilisés pour les pistons avec dimensions métriques et ayant les lèvres finies avec coupe négative.
Outre le matériel standard, les joints sont fournis dans d'autres mélanges, parmi lesquelles l'FPM, qui résiste à des températures d'exercice élevées et il a une très bonne résistance chimique.

La serie DE e DEM è costituita da guarnizioni a labbro realizzate in NBR 75 Shore A e impiegate per la tenuta su pistone di cilindri pneumatici e oleodinamici.
La durezza più bassa del materiale è necessaria per facilitare il montaggio delle guarnizioni nella sede del pistone. Vengono prodotte con diametri inferiori rispetto alle misure nominali. Solo dopo il monitoraggio della guarnizione i labbri esterni raggiungono la misura prevista. Non necessitano di anello di arresto poichè il labbro interno a tenuta statica, più alto e robusto, serve come arresto allo spostamento assiale della guarnizione nella sede.
Le DE (disegno A) sono utilizzate per i pistoni con dimensioni in pollici e hanno i labbri rifiniti con taglio a spigolo vivo.
Le DEM (disegno B) sono utilizzate per i pistoni con dimensioni metriche e hanno i labbri rifiniti con taglio negativo.
Oltre al materiale standard le guarnizioni vengono fornite in altre mescole, tra le quali l'FPM, che resiste a temperature d'esercizio elevate e ha un'ottima resistenza chimica.

Operating conditions
Conditions d'exercice
Condizioni d'esercizio

Pressure *Pression* Pressione	80 bar	
Speed *Vitesse* Velocità	0,25 m/s	
Temperature *Température* Temperatura	(Y7) -30°C (G7) -15°C	+100°C +200°C

Materials
Composition
Composizione

NBR 75 Shore A (Y7)

FPM 75 Shore A (G7)

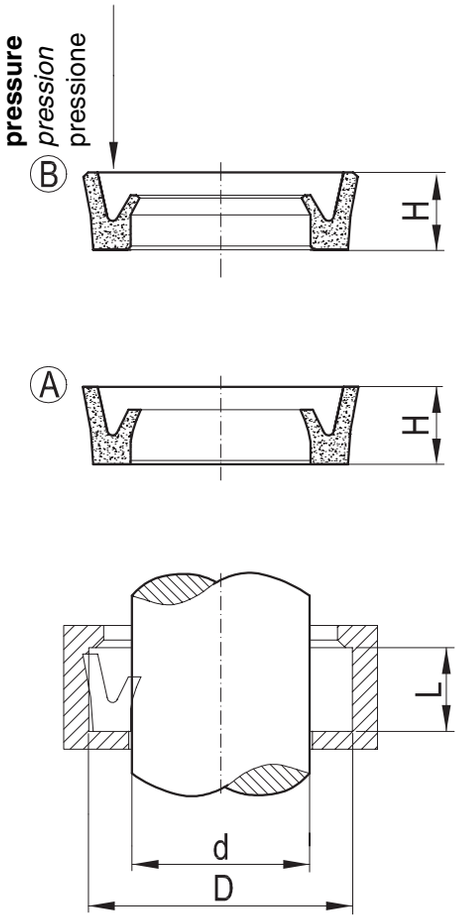
Cod.	Descr.	D	d	H	L
1002020001	DE 037	9,5	3,17	3,96	5,5
1002020002	DE 043	11,1	4,76	3,96	5,5
1002020003	DE 050	13	6,7	4,76	6,3
1002020004	DE 056	14	7,7	4,76	6,3
1002020005	DE 062	16	8,1	5,55	7
1002020006	DE 068	17,5	12,6	3,17	5
1002020007	DE 075	19	12,7	3,17	5
1002020008	DE 081	21	14,7	6,35	8
1002020009	DE 087	22	12,5	6,35	8
1002020010	DE 093	24	14,5	6,35	8
1002020011	DEM 25	25	17	5,5	7
1002020012	DE 100	26	16,5	6,35	8
1002020013	DE 106	27	17,5	6,35	8
1002020014	DE 112	29	19,05	6,35	8
1002020015	DE 118	30	20,5	6,35	8
1002020016	DE 125	32	19,3	6,35	8
1002020017	DEM 32	32	24	5,5	7
1002020018	DE 131	34	15	9,52	11
1002020019	DE 137	35	22,3	6,35	8
1002020020	DE 143	37	26	6,35	8
1002020021	DE 150	38	30	6,35	8
1002020022	DE 156	40	27,3	6,35	8
1002020023	DEM 40	40	30	7	8,5
1002020024	DE 162	42	30,9	6,35	8
1002020025	DE 168	43	30,3	9,52	11
1002020026	DE 175	45	35,5	7	8,5
1002020027	DE 181	46	28,2	10,2	12
1002020028	DE 187	48	32,1	7,93	9,5
1002020029	DE 193	49	35	9,52	11
1002020030	DEM 50	50	40	7	8,5
1002020031	DE 200	51	41,5	7,14	9
1002020032	DE 212	54	41,3	9,52	11
1002020033	DE 225	57	44,3	6,35	8
1002020034	DE 237	61	48,3	6,35	8
1002020035	DEM 63	63	53	7	8,5
1002020036	DE 250	64	46,3	8,85	10,5
1002020037	DE 262	67	51,1	8,85	10,5
1002020038	DE 275	70	54,1	7,93	9,5
1002020039	DE 287	73	63,5	5,55	7
1002020040	DE 300	76	57,9	8,73	10,5
1002020041	DE 312	80	67,3	6,35	8
1002020042	DEM 80	80	68	8,5	10
1002020043	DE 325	83	71,9	7,5	8,5
1002020044	DE 337	86	73,3	9,52	11
1002020045	DE 350	89	76,3	6,35	8
1002020046	DE 362	92	76,1	9,52	11
1002020047	DE 375	95	76,7	7,4	9
1002020048	DE 387	99	86,3	9,52	11
1002020049	DEM 100	100	88	8,5	10
1002020050	DE 400	102	89,3	9,52	11
1002020051	DE 412	105	89,1	7,93	9,5
1002020052	DE 425	108	95,3	7,93	9,5
1002020053	DE 437	111	94,7	7,93	9,5

Cod.	Descr.	D	d	H	L
1002020054	DE 450350	115	89,6	15,9	19
1002020055	DE 462	118	105,3	9,52	11
1002020056	DE 475	121	108,3	9,52	11
1002020057	DE 487	124	111,3	9,52	11
1002020058	DEM 125	125	110	10	11,5
1002020059	DE 500	127	108	9,52	11
1002020060	DE 512	130	117	9,52	11
1002020061	DE 525	134	121,3	9,52	11
1002020062	DE 537	137	124,3	9,52	11
1002020063	DE 550	140	127,3	9,52	11
1002020064	DE 562	143	130,3	9,52	11

"DI-DIM" rubber seals for alternative movements

Joints d'étanchéité en caoutchouc pour mouvements alternatifs série "DI - DIM"

Guarnizioni di tenuta in gomma per movimenti alternativi serie "DI - DIM"



The DI and DIM series consist of NBR 90 Shore A lip seals suitable to seal against the shaft of oil-hydraulic and pneumatic cylinders.
There is no need for a retaining ring because the static-seal inner lip, which is higher and stronger, prevents the axial shift of the gasket from its housing.
DI seals (Fig. A) are suitable for inch-sized shafts and have raw-edge lips.
DEM seals (Fig. B) are suitable for metric shafts and have negative-cut lips.
In addition to the standard material, the rings are provided in other compounds, such as FPM, which ensures high working temperatures and an excellent chemical resistance.

La série DE et DEM est constituée de joints à lèvre réalisés en NBR 75 Shore A et utilisés pour l'étanchéité sur piston et cylindres pneumatiques et oléodynamiques.
La dureté la plus basse du matériau est nécessaire pour faciliter le montage des joints dans le logement du piston. Ils sont produits avec des diamètres inférieurs par rapport aux mesures nominales. Seulement après le monitorage du joint, les lèvres externes rejoignent la mesure prévue. Ils ne nécessitent pas d'anneau d'arrêt car la lèvre interne à étanchéité statique, plus haute et robuste, sert d'arrêt au déplacement axial du joint dans le logement.
Les DE (dessin A) sont utilisés pour les pistons avec dimensions en pouces et ayant les lèvres finies avec coupe à angle vif.
Les DE (dessin B) sont utilisés pour les pistons avec dimensions métriques et ayant les lèvres finies avec coupe négative.
Outre le matériel standard, les joints sont fournis dans d'autres mélanges, parmi lesquelles l'FPM, qui résiste à des températures d'exercice élevées et il a une très bonne résistance chimique.

La serie DI e DIM è costituita da guarnizioni a labbro realizzate in NBR 90 Shore A e utilizzate per la tenuta su stelo di cilindri pneumatici e oleodinamici.
Non necessitano di anello di arresto poichè il labbro esterno a tenuta statica, più alto e robusto, serve come arresto allo spostamento assiale delle guarnizioni nella sede.
Le DI (disegno A) sono utilizzate per steli con dimensioni in pollici e hanno i labbri rifiniti con taglio a spigolo vivo.
Le DIM (disegno B) sono utilizzate per steli con dimensioni metriche e hanno i labbri rifiniti con taglio negativo.
Oltre al materiale standard le guarnizioni vengono fornite in altre mescole, tra le quali l'FPM, che resiste a temperature di esercizio elevate e ha un'ottima resistenza chimica.

Operating conditions
Conditions d'exercice
Condizioni d'esercizio

Pressure *Pression* Pressione	120 bar	
Speed *Vitesse* Velocità	0,25 m/s	
Temperature *Température* Temperatura	(Y0) -30°C (G0) -15°C	+100°C +200°C

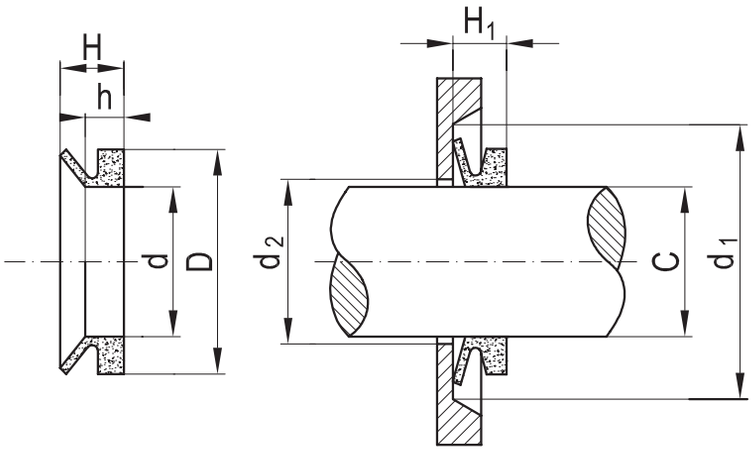
Materials
Composition
Composizione

NBR 90 Shore A (Y0)
FPM 90 Shore A (G0)

Cod.	Descr.	D	d	H	L
1002030001	DI 012	8,75	3,17	3,96	5,5
1002030002	DI 018	11,11	4,76	3,96	5,5
1002030003	DI 025	12,7	6,35	3,96	5,5
1002030004	DI 031	14,28	7,93	3,96	5,5
1002030005	DI 037	16,5	9,52	3,96	5,5
1002030006	DI 043	19,05	11,11	3,96	5,5
1002030007	DI 050	21	12,7	5,1	7
1002030008	DI 056	20,63	14,28	4,76	6
1002030009	DI 062	22,22	15,87	4,76	6
1002030010	DI 068	23,81	17,46	4,6	6
1002030011	DIM 18	26	18	5,5	6
1002030012	DI 075	25,4	19,08	4,76	6
1002030013	DI 081	28,58	20,63	4,76	6
1002030014	DIM 22	30	22	5,5	6
1002030015	DI 087	31,75	22,22	4,76	6
1002030016	DI 093	36,51	23,81	6,35	8
1002030017	DI 100	38,1	25,4	6,35	8
1002030018	DI 106	36,51	26,99	6,35	8
1002030019	DIM 28	38	28	7	7,5
1002030020	DI 112	41,28	28,58	7,93	9,5
1002030021	DI 118	38,1	30,16	6,35	8
1002030022	DI 125	44,45	31,75	6,35	8
1002030023	DI 131	40,63	33,34	4,6	6
1002030024	DI 137	50,8	34,93	7,93	9,5
1002030025	DIM 36	46	36	7	7,5
1002030026	DI 143	50,8	36,51	7,93	9,5
1002030027	DI 150	50,8	38,1	9,52	11
1002030028	DI 156	55,96	39,69	9,52	11
1002030029	DI 162	50,8	41,28	5,55	7
1002030030	DI 168	53,98	42,86	9,52	11
1002030031	DI 175	57,15	44,45	7,93	9,5
1002030032	DIM 45	55	45	7	7,5
1002030033	DI 181	60,33	46,04	9,52	11
1002030034	DI 187	63,5	47,63	9,52	11
1002030035	DI 193	66,68	49,21	9,52	11
1002030036	DIM 50	60	50	7	7,5
1002030037	DI 200	73,03	50,8	11,11	12,5
1002030038	DI 212	69,85	53,98	9,52	11
1002030039	DIM 56	68	56	7	7,5
1002030040	DI 225	69,85	57,15	7,93	9,5
1002030041	DI 237	76,2	60,33	7,93	9,5
1002030042	DI 250	76,2	63,5	7,93	9,5
1002030043	DI 262	79,38	66,68	9,52	11
1002030044	DI 275	90,9	69,85	9,52	11
1002030045	DIM 70	82	70	8,5	9,5
1002030046	DI 287	82,55	73,03	9,52	11
1002030047	DI 300	88,9	76,2	9,52	11
1002030048	DI 312	98,43	79,38	9,52	11
1002030049	DI 325	95,25	82,55	7,93	9,5
1002030050	DI 337	98,43	85,73	9,52	11
1002030051	DI 350	101,6	88,9	9,52	11
1002030052	DIM 90	102	90	8,5	9,5
1002030053	DI 362	106,4	92,08	7,93	9,5

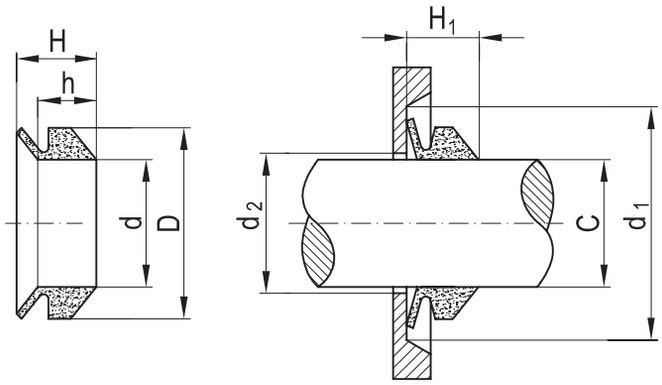
Cod.	Descr.	D	d	H	L
1002030054	DI 375	111,1	95,25	9,52	11
1002030055	DI 387	107,95	98,43	9,52	11
1002030056	DI 400	111,1	101,6	5,75	7
1002030057	DI 425	127	107,95	9,52	11
1002030058	DI 450	146,05	114,3	12,7	14
1002030059	DI 475	136,5	120,65	7,14	8,5
1002030060	DI 500	146,05	127	12,7	14
1002030061	DI 525	152,4	133,35	12,7	14
1002030062	DI 550	157,52	139,7	7,14	8,5
1002030063	DI 575	165,1	146,05	12,7	14
1002030064	DI 600	171,45	152,4	9,52	11

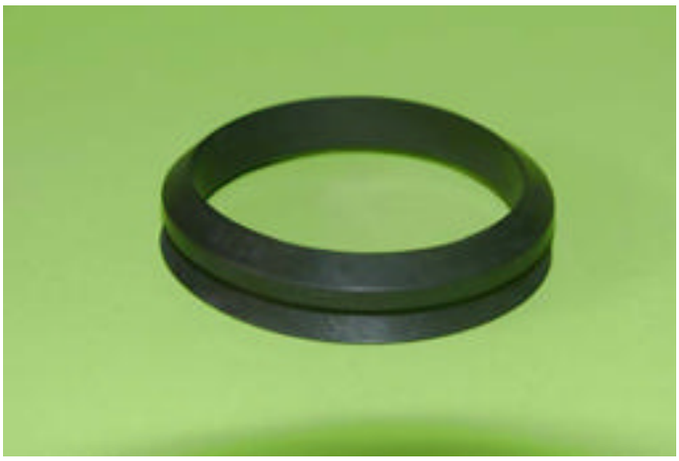
V Ring
V Ring
V Ring



Descr.	d	D	h	H
V RING V3 A	2,5	5,5	2,1	3
V RING V4 A	3,2	7,2	2,4	3,7
V RING V5 A	4	8	2,4	3,7
V RING V6 A	5	9	2,4	3,7
V RING V7 A	6	10	2,4	3,7
V RING V8 A	7	11	2,4	3,7
V RING V10 A	9	15	3,4	5,5
V RING V12 A	10,5	16,5	3,4	5,5
V RING V14 A	12,5	18,5	3,4	5,5
V RING V16 A	14	20	3,4	5,5
V RING V18 A	16	22	3,4	5,5
V RING V20 A	18	26	4,7	7,5
V RING V22 A	20	28	4,7	7,5
V RING V25 A	22	30	4,7	7,5
V RING V28 A	25	33	4,7	7,5
V RING V30 A	27	35	4,7	7,5
V RING V32 A	29	37	4,7	7,5
V RING V35 A	31	39	4,7	7,5
V RING V38 A	34	42	4,7	7,5
V RING V40 A	36	46	5,5	9
V RING V45 A	40	50	5,5	9
V RING V50 A	45	55	5,5	9

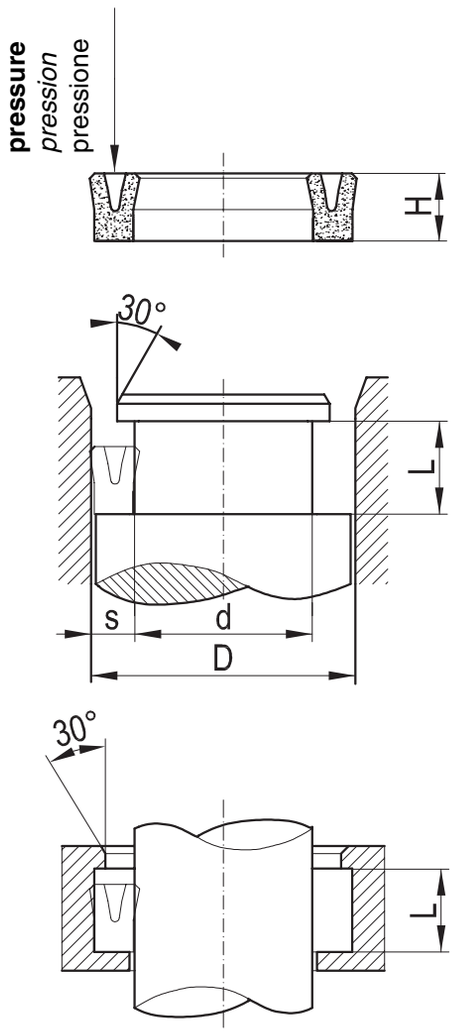
Descr.	d	D	h	H
V RING V55 A	49	59	5,5	9
V RING V60 A	54	64	5,5	9
V RING V65 A	58	68	5,5	9
V RING V70 A	63	75	6,8	11
V RINR V75 A	67	79	6,8	11
V RING V80 A	72	84	6,8	11
V RING V85 A	76	88	6,8	11
V RING V90 A	81	93	6,8	11
V RING V95 A	85	97	6,8	11
V RING V100 A	90	102	6,8	11





Cod.	Descr.	d	D	h	H
1004010003	V RING V5 S	4	8	3,9	5,2
1004010004	V RING V6 S	5	9	3,9	5,2
1004010005	V RING V7 S	6	10	3,9	5,2
1004010006	V RING V8 S	7	11	3,9	5,2
1004010007	V RING V10 S	9	15	5,6	7,7
1004010008	V RING V12 S	10,5	16,5	5,6	7,7
1004010009	V RING V14 S	12,5	18,5	5,5	7,7
1004010010	V RING V16 S	14	20	5,5	7,7
1004010011	V RING V18 S	16	22	5,6	7,7
1004010012	V RING V20 S	18	26	7,9	10,5
1004010013	V RING V22 S	20	28	7,9	10,5
1004010014	V RING V25 S	22	30	7,9	10,5
1004010015	V RING V28 S	25	33	7,9	10,5
1004010016	V RING V30 S	27	35	7,9	10,5
1004010017	V RING V32 S	29	37	7,9	10,5
1004010018	V RING V35 S	31	39	7,9	10,5
1004010019	V RING V38 S	34	42	7,9	10,5
1004010020	V RING V40 S	36	46	9,5	13
1004010021	V RING V45 S	40	50	9,5	13
1004010022	V RING V50 S	45	55	9,5	13
1004010023	V RING V55 S	49	59	9,5	13
1004010024	V RING V60 S	54	64	9,5	13
1004010025	V RING V65 S	58	68	9,5	13
1004010026	V RING V70 S	63	75	11,3	15,5
1004010027	V RINR V75 S	67	79	11,3	15,5
1004010028	V RING V80 S	72	84	11,3	15,5
1004010029	V RING V85 S	76	88	11,3	15,5
1004010030	V RING V90 S	81	93	11,3	15,5
1004010031	V RING V95 S	85	97	11,3	15,5
1004010032	V RING V100 S	90	102	11,3	15,5

“MAD” polyurethane ring seals for alternative movements.
Joints d'étanchéité en polyuréthane pour mouvements alternatifs série "MAD".
Guarnizioni di tenuta in poliuretano per movimenti alternativi serie "MAD".



The MAD-UMAD-M series of 95 Shore A polyurethane seals are used as dynamic seals against the shaft or piston of oil-hydraulic and pneumatic cylinders.
Thanks to the characteristics and the hardness of their material, these seals ensure excellent abrasion and extrusion resistance. The shape and the elasticity of both lips, combined with a good compression set, ensure high performances and durability.
They are installed in a chamfer with a loose flange when the ratio between the diameter of the housing and the diameter of the “s” crown exceeds 10 on the piston and 12 in the inner chamfer.

Les joints en polyuréthane de la série MAD-UMAD-M sont réalisés en polyuréthane 95 Shore A et sont utilisés pour l'étanchéité dynamique sur tige et piston de cylindres oléodynamiques.
Grâce aux caractéristiques du matériau à grande dureté, ces joints garantissent une résistance considérable à l'abrasion et à l'extrusion. La forme et l'élasticité des lèvres, accouplées à un bon " compression set " du matériau, permettent aux joints des prestations élevées et une longue durée.
Le montage est effectué en enfoncement avec épaulement reporté quand le rapport entre le diamètre du logement et la couronne “s” est supérieure à 10 sur piston et 12 en enfoncement interne.

Le guarnizioni in poliuretano della serie MAD-UMAD-M sono realizzate in poliuretano 95 Shore A e vengono utilizzate per la tenuta dinamica su stelo e pistone di cilindri oleodinamici.
Grazie alle caratteristiche del materiale e all'elevata durezza, queste guarnizioni garantiscono una notevole resistenza all'abrasione e all'estrusione. La sagoma e l'elasticità dei labbri, combinati a un buon "compression set" del materiale, permettono alle guarnizioni prestazioni elevate e una lunga durata.
Il montaggio viene eseguito in cava con spallamento riportato quando il rapporto tra il diametro della sede e la corona “s” e maggiore di 10 su pistone e 12 in cava interna.

Operating conditions
Conditions d'exercice
Condizioni d’esercizio

Pressure			
Pression	400 bar		
Pressione			
Speed			
Vitesse	0,5 m/s		
Velocità			
Temperature			
Température	(P5)	-40°C	+100°C
Temperatura			

Materials
Composition
Composizione

Polyurethane	
Polyuréthane	95 Shore A (P5)
Poliuretano	

Descr.	D	d	L	H
MAD 168	16	8	6,5	6
MAD 2212	22	12	8	7,5
MAD 2416	24	16	6,5	6
MAD 2616	26	16	8	7,5
MAD 2618	26	18	6,5	6
MAD 2818	28	18	8	7,5
MAD 2820	28	20	6,5	6
MAD 3020	30	20	8	7,5
MAD 3022	30	22	7	6,5
MAD 3220	32	20	10	9
MAD 3520/1	35	20	10	9
MAD 3525	35	25	8	7,5
MAD 4025/1	40	25	11	10
MAD 4230/1	42	30	11	10
MAD 4735	47	35	10	9
MAD 5030/1	50	30	13	12
MAD 5035	50	35	12	11
MAD 5035/1	50	35	10	9
MAD 5040/1	50	40	11	10
MAD 5535/1	55	35	13	12
MAD 5540/1	55	40	11	10
MAD 5545	55	45	8	7,5
MAD 5545/1	55	45	11	10
MAD 6040	60	40	13	12
MAD 6045	60	45	12	11
MAD 6050	60	50	8	7,5
MAD 6050/1	60	50	11	10
MAD 6545/1	65	45	13	12
MAD 6550	65	50	12	11
MAD 6553	65	53	10	9
MAD 7260	72	60	10	9
MAD 8270	82	70	10	9
MAD 7555	75	55	16	15
MAD 7555/2	75	55	19	18
M75 7560	75	60	8	7,5
MAD 7560/1	75	60	11	10
MAD 7560	75	60	12	11
MAD 7560/2	75	60	13	12
MAD 7563	75	63	10	9
MAD 7563/1	75	63	11	10
M5 7565	75	65	5,5	5
MAD 7565	75	65	8	7,5
MAD 7565/1	75	65	11	10
MAD 7565/2	75	65	13	12
MAD 7660	76	60	13	12
MAD 7666/1	76	66	9	8
MAD 7765	77	65	10	9
MAD 7767/1	77	67	13	12
MAD 7862/1	78	62	13	12
UMAD 8055	80	55	13	12
MAD 8055	80	55	20	18,5
UMAD 8060	80	60	11	10
MAD 8060/1	80	60	13	12

Descr.	D	d	L	H
MAD 8060	80	60	16	15
MAD 8060/2	80	60	19	18
MAD 8064	80	64	13	12
M 75 8065	80	65	8	7,5
MAD 8065	80	65	12	11
MAD 8065/1	80	65	13	12
MAD 8066/1	80	66	11	10
MAD 8066/2	80	66	14	13
MAD 8068	80	68	10	9
M5 8070	80	70	5,5	5
MAD 8070	80	70	8	7,5
MAD 8070/3	80	70	9	8
MAD 8070/2	80	70	11	10
MAD 8070/1	80	70	13	12
MAD 8266	82	66	13	12
MAD 8270	82	70	10	9
UMAD 8560	85	60	13	12
MAD 85 60	85	60	13,5	12,5
MAD 8560/1	85	60	20	18,5
UMAD 8565	85	65	11	10
MAD 8565/1	85	65	13	12
MAD 8565	85	65	16	15
MAD 8569	85	69	13	12
M75 8570	85	70	8	7,5
MAD 8570	85	70	12	11
MAD 8570/2	85	70	13	12
MAD 8573	85	73	10	9
M5 8575	85	75	5,5	5
MAD 8575	85	75	8	7,5
MAD 8575/2	85	75	13	12
MAD 8775	87	75	10	9
MAD 9060/1	90	60	16	15
UMAD 9065	90	65	13	12
MAD 9065	90	65	20	18,5
UMAD 9070	90	70	11	10
MAD 9070/1	90	70	13	12
MAD 9070	90	70	16	15
MAD 9070/2	90	70	19	18
MAD 9074	90	74	13	12
M75 9075	90	75	8	7,5
MAD 9075	90	75	12	11
MAD 9075/1	90	75	13	12
MAD 9078	90	78	10	9
M5 9080	90	80	5,5	5
MAD 9080	90	80	8	7,5
MAD 9080/1	90	80	11	10
MAD 9080/2	90	80	13	12
MAD 9175	91	75	13	12
MAD 9276	92	76	13	12
MAD 9280	92	80	10	9
MAD 9282/1	92	82	6,5	6
MAD 9282/2	92	82	11	10
MAD 9378/1	93	78	11,5	10,5

Gaskets
Joints
Guarnizioni

Descr.	D	d	L	H
UMAD 9570	95	70	13	12
MAD 9570	95	70	20	18,5
MAD 9575/1	95	75	13	12
MAD 9575	95	75	16	15
M75 9580	95	80	8	7,5
MAD 9580	95	80	12	11
MAD 9580/1	95	80	13	12
MAD 9583	95	83	10	9
M5 9585	95	85	5,5	5
MAD 9585	95	85	8	7,5
MAD 9585/2	95	85	9,5	8,5
MAD 9585/1	95	85	12	11
MAD 9585/3	95	85	13	12
MAD 9680	96	80	13	12
MAD 9684/1	96	84	11	10
MAD 9785	97	85	10	9
UMAD 10075	100	75	13	12
MAD 10075	100	75	20	18,5
UMAD 10080	100	80	11	10
MAD 10080/2	100	80	13	12
MAD 10080	100	80	16	15
M75 10085	100	85	8	7,5
MAD 10085	100	85	12	11
MAD 10085/1	100	85	13	12
MAD 10088	100	88	10	9
M5 10090	100	90	5,5	5
MAD 10090	100	90	8	7,5
MAD 10090/3	100	90	9	8
MAD 10090/1	100	90	11	10
MAD 10090/2	100	90	13	12
MAD 10160/1	101,6	82,55	10,5	9,5
MAD 10290	102	90	10	9
MAD 10290/1	102	90	11	10
MAD 10585/1	105	85	13	12
MAD 10585	105	85	16	15
MAD 10585/2	105	85	19	18
M75 10590	105	90	8	7,5
MAD 10590	105	90	12	11
MAD 10590/1	105	90	13	12
M5 10595	105	95	5,5	5
MAD 10595	105	95	8	7,5
MAD 10690	196	90	13	12
MAD 10795	107	95	10	9
UMAD 11085	110	85	13	12
UMAD 11090	110	90	11	10
MAD 11090/1	110	90	13	12
MAD 11090	110	90	16	15
MAD 11090/2	110	90	19	18
M75 11095	110	95	8	7,5
MAD 11095	110	95	12	11
MAD 11095/1	110	95	16	15
MAD 11098	110	98	10	9
M5 110100	110	100	5,5	5

Descr.	D	d	L	H
MAD 110100	110	100	8	7,5
MAD 11295/1	112	95	13	12
MAD 112100	112	100	10	9
UMAD 11590	115	90	13	12
UMAD 11595	115	95	11	10
MAD 11595/2	115	95	13	12
MAD 11595/1	115	95	19	18
M75 115100	115	100	8	7,5
MAD 115100	115	100	12	11
MAD 115100/1	115	100	13	12
MAD 12090	120	90	19	18
UMAD 12095	120	95	13	12
UMAD 120100	120	100	11	10
MAD 120100/1	120	100	13	12
MAD 120100	120	100	16	15
MAD 120100/2	120	100	19	18
M75 120105	120	105	8	7,5
MAD 120105/1	120	105	9	8
MAD 120105	120	105	12	11
MAD 121111/1	121	111	6,5	6
MAD 122110	122	110	10	9
UMAD 125100	125	100	13	12
MAD 125100/1	125	100	16	15
MAD 125105/1	125	105	13	12
MAD 125105	125	105	16	15
M75 125110	125	110	8	7,5
MAD 125110	125	110	12	11
MAD 125110/2	125	110	13	12
MAD 125110/1	125	110	16	15
MAD 125113	125	113	10	9
MAD 126115/1	126	115	16	15
MAD 127115	127	115	10	9
MAD 130100/2	130	100	13	12
UMAD 130105	130	105	13	12
MAD 130105	130	105	20	18,5
UMAD 130110	130	110	11	10
MAD 130110	130	110	16	15
MAD 130110/1	130	110	19	18
M75 130115	130	115	8	7,5
MAD 130115	130	115	12	11
MAD 130120/1	130	120	15	14
UMAD 135110	135	110	13	12
MAD 135110	135	110	20	18,5
MAD 135115/1	135	115	16	15
MAD 135120	135	120	12	11
MAD 135120/1	135	120	16	15
MAD 137125	137	125	10	9
UMAD 140115	140	115	13	12
MAD 140115/1	140	115	16	15
UMAD 140120	140	120	11	10
MAD 140120	140	120	16	15
MAD 140125	140	125	12	11
MAD 145125/1	145	125	14	13

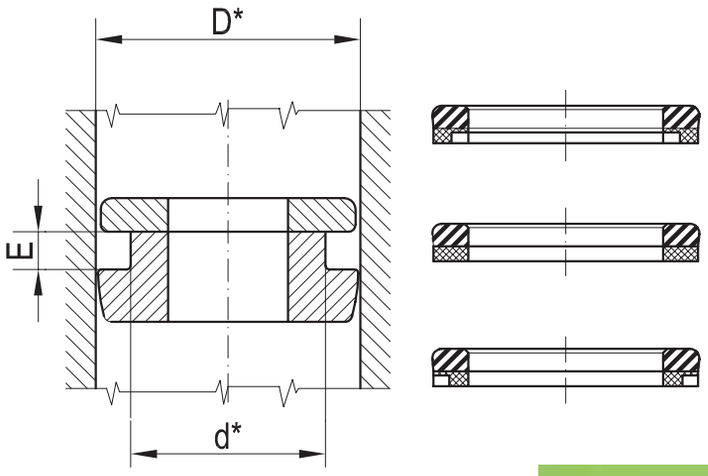
Descr.	D	d	L	H
MAD 145125	145	125	16	15
MAD 147135	147	135	10	9
UMAD 150125	150	125	13	12
UMAD 150130	150	130	11	10
MAD 150130	150	130	16	15
MAD 150138	150	138	10	9
MAD 151141/1	151	141	15	14
MAD 152140	152	140	10	9
MAD 154142/1	154	142	11	10
MAD 155125/1	155	125	16	15
MAD 155135/1	155	135	16	15
MAD 155140	155	140	12	11
MAD 155140/1	155	140	16	15
MAD 160135/1	160	135	16	15
UMAD 160140	160	140	11	10
MAD 160140	160	140	16	15
MAD 160145	160	145	12	11
MAD 165150	165	150	12	11
MAD 169154/1	169	154	12	11
UMAD 170145	170	145	13	12
MAD 170150	170	150	16	15
MAD 170150/2	170	150	19	18
MAD 170155	170	155	12	11

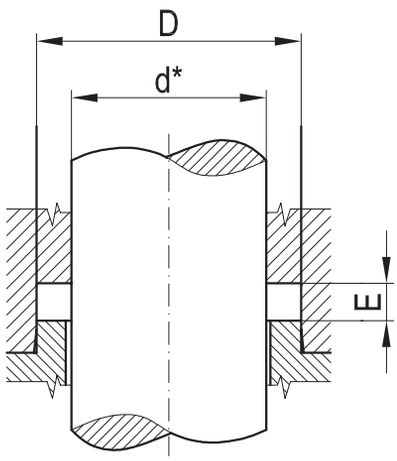
Descr.	D	d	L	H
MAD 172162/1	172	162	15	14
MAD 175160	175	160	12	11
MAD 177165	177	165	10	9
MAD 180160	180	160	16	15
MAD 180165	180	165	12	11
MAD 190170	190	170	16	15
MAD 193183/1	193	183	15	14
MAD 195180	195	180	12	11
MAD 197185	197	185	10	9
MAD 200170/2	200	170	19	18
MAD 200175/1	200	175	16	15
MAD 200180	200	180	16	15
MAD 200185	200	185	12	11
MAD 200188	200	188	10	9
MAD 205190	205	190	12	11
MAD 205193	205	193	10	9
MAD 210190	210	190	16	15
MAD 217207/1	217	207	15	14
MAD 220200	220	200	16	15
MAD 220208	220	208	10	9
MAD 230210	230	210	16	15
MAD 240220	240	220	16	15
MAD 250230	250	230	16	15

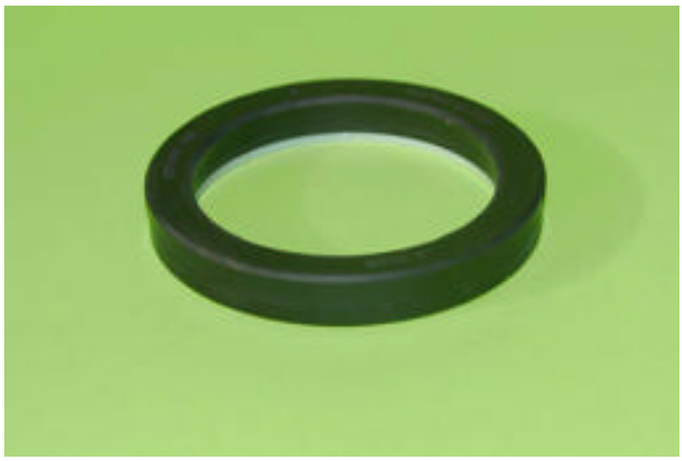
“B” - BALSELE vee packings

Joints toile caoutchoutée type "B" - BALSELE

Guarnizioni telagomma tipo "B" - BALSELE







Descr.	DD*	dd*	E
B 055024	14	6	6,4
B 056025	14,28	6,35	6,85
B 059031	15	8	6,4
B 070039-1	18	10	6
B 062031	15,87	7,93	6,8
B 075047	19	12	6,4
B 075050	19,05	12,7	5,25
B 081043	20,63	11,11	7,65
B 081050	20,63	12,7	6,85
B 086055	22	14	6,4
B 087050	22,22	12,7	7,65
B 087062	22,22	15,87	5,25
BB 090047	23	12	7,5
B 090059	23	15	6,4
B 093056	23,81	14,28	7,65
B 094063	24	16	7
B 094063-1	24	16	6,4
B 094070	24	18	5,02
B 098070	25	18	8
B 100062	25,4	15,87	7,65
B 102070	26	18	7
B 106059	27	15	7

Descr.	DD*	dd*	E
B 110062	28	16	7,5
B 110070	28	18	6,3
B 110078	28	20	7
B 112062	28,57	15,87	10
B 110078-1	28	20	6,4
B 118086	30	22	7
B 118070	30	18	7,5
B 118078	30	20	8,5
B 118086	30	22	7
B 118086-1	30	22	6,4
B 125075-1	31,75	19,05	8,5
B 125087	31,75	22,22	9,2
B 129098-1	33	25	6,4
B 131081	33,33	20,63	10
B 133086	34	22	9,5
B 134094	34	24	6,5
B 137078	35	20	11,5
B 137086	35	22	10
B 137100	34,92	25,4	6,85
B 137098	35	25	9
B 137106	35	27	6,5
B 141110	36	28	6,4

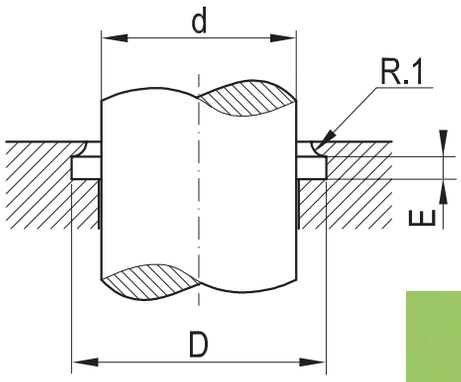
Descr.	DD*	dd*	E
B 143093	36,51	23,81	10
B 147118	37,5	30	6,5
B 149098	38	25	10
B 149110-1	38	28	8
B 149118	38	30	6,4
B 150100	38,1	25,4	10
B 156111	39,68	28,19	8
B 157102-1	40	26	10
B 157110	40	28	9,5
B 157118	40	30	7,5
B 157125	40	32	9
B 157125-1	40	32	6,4
B 161110	41	28	10
B 162100	41,27	25,4	11,6
B 162112	41,27	28,57	10
B 165125	42	32	8,5
B 169137	43	35	6,4
B 169141	43	36	6,5
B 173098	44	25	12,5
B 173141	44	36	6,4
B 175112	44,45	28,57	11,6
B 177118-1	45	30	9
B 177118	45	30	9,5
B 177125	45	32	10
B 177137-2	45	35	13,5
B 177137-3	45	35	10,5
B 177137-5	45	35	8
B 181141	46	36	8,5
B 187125	47,62	31,75	11,6
B 188141	48	36	9,5
B 188157	48	40	6,5
B 196118	50	30	14,5
B 196137	50	35	11,5
B 196149	50	38	9,5
B 196157	50	40	11
B 196157-1	50	40	10
B 196157-2	50	40	13,5
B 196157-3	50	40	8
B 200137-1	50,8	34,92	10
B 200137-2	50,8	34,92	11,6
B 200148	50,8	37,72	9
B 200150-1	50,8	38,1	12,4
B 200150	50,8	38,1	10
B 200165	52	42	9
B 208169	53	43	9
B 208177	53	45	6,5
B 212150-2	53,97	38,1	12,5
B 216137 R	55	35	10
B 212150-5	57,97	38,1	10,5
B 212181	54	46	8
B 216157	55	40	7,5
B 216157-1	55	40	11
B 216177	55	45	8

Descr.	DD*	dd*	E
B 216177-1	55	45	11
B 218169	55,5	42,92	8,9
B 220181	55,5	46	8,33
B 224177	57	45	10
B 225162	57,15	41,27	11,6
B 228196	50	58	12,5
B 236157	60	40	14,5
B 236177	60	45	10,5
B 236188	60	48	7
B 236196	60	50	8
B 236196-1	60	50	10,5
B 237175	60,32	44,45	11,6
B 237186	60,32	47,23	10
B 237200	60,35	50,8	11
B 243175	61,91	44,45	11,6
B 244196-1	62	50	9,5
B 248177	63	45	11
B 250187	63,5	47,62	11,5
B 255177	65	45	14,5
B 255196	65	50	11
B 255216	65	55	11
B 255216-1	65	55	8
B 259212	66	54	9,5
B 259220	66	56	8
B 262200	66,67	50,8	11,5
B 263224	67	57	8
B 271240	69	61	8,5
B 273236	69,5	60	7
B 275225	69,85	57,15	10,5
B 275196	70	50	14,5
B 275216	70	55	10,5
B 275236	70	60	8
B 275236-2	70	60	13
B 279220	71	56	10,5
B 283236	71	60	10
B 287212	73,02	53,97	14,8
B 287225	73,02	57,15	11,5
B 295216	75	55	14,5
B 295236	75	60	13
B 295248	75	63	11
B 295248-1	75	63	9,6
B 295255	75	65	13,5
B 299220	76	56	14,5
B 300225	76,2	57,15	10
B 300212	76,2	53,97	12,3
B 300225-1	76,2	57,15	13,5
B 300225-2	76,2	57,15	14,28
B 300250	76,2	63,5	8,5
B 303255	77	65	9,6
B 306250	77,78	63,5	11,5
B 312237	79,37	60,32	14,8
B 314236	80	60	14,5
B 314255	80	65	11,5

Descr.	DD*	dd*	E
B 314255-2	80	65	12,5
B 314259	80	66	11
B 314275	80	70	12,8
B 314275-1	80	70	8
B 322275	82	70	10,5
B 322275-1	82	70	9,5
B 325250-1	82,55	63,5	14,8
B 326248	83	63	14,5
B 330275	84	70	12,5
B 330299	84	76	8,5
B 334255	85	65	14,5
B 334275-1	85	70	12
B 334295-1	85	75	8
B 334295-2	85	75	11
B 337262	85,72	66,67	14,8
B 342303	87	77	8
B 348311	88,5	79	7
B 352295	89,5	75	11,5
B 350287	88,9	73,02	12,5
B 354275	90	70	14,5
B 354295	90	75	11,5
B 354314	90	80	8
B 354295-1	90	75	12,8
B 358318	91	81	8
B 362300	92	76,2	9,5
B 362314	92	80	9,6
B 090047 NEI	23	12	7,5
B 094063 NEI	24	16	7
B 106059 NEI	27	15	7
B 110062 NEI	28	16	7,5
B 110070 NEI	28	18	6,3
B 110078 NEI	28	20	7
B 110078-1 NEI	28	20	6,3
B 118070 NEI	28	18	6,3
B 118078 NEI	30	18	7,5
B 118086 NEI	30	22	7
B 129098-1 NEI	33	25	6,4
B 133086 NEI	34	22	9,5
B 137078 NEI	35	20	11,5
B 137086 NEI	35	22	10
B 137098 NEI	35	25	9
B 141110 NEI	36	28	6,4
B 149098 NEI	38	25	10
B 149110-1 NEI	36	28	6,4
B 149118 NEI	38	30	6,4
B 157110 NEI	40	28	9,5
B 157118 NEI	40	30	7,5
B 157125 NEI	40	32	9
B 157125-1 NEI	40	32	6
B 161110 NEI	41	28	10
B 165125 NEI	42	32	11
B 169137 NEI	43	35	6,5
B 169141 NEI	43	36	6,5
B 177118-1 NEI	45	30	9

Descr.	DD*	dd*	E
B 177125 NEI	45	32	10
B 177137-3 NEI	45	35	10,5
B 181141 NEI	48	36	9,5
B 187125 NEI	47,62	31,75	11,6
B 188141 NEI	46	36	8,5
B 188157 NEI	48	40	6,5
B 196118 NEI	50	30	14,5
B 196137 NEI	50	35	11,5
B 196157 NEI	50	40	11
B 196157-1 NEI	50	40	10
B 200137-2 NEI	50,8	34,92	11,6
B 200150 NEI	50,8	38,1	10
B 204165 NEI	52	42	9
B 216157 NEI	55	40	7,5
B 216157-1 NEI	55	40	11
B 216177 NEI	55	45	8
B 216177-1 NEI	55	45	11
B 224177 NEI	57	45	10
B 236157 NEI	60	40	14,5
B 236177 NEI	60	45	10,5
B 236196 NEI	60	50	8
B 236196-1 NEI	60	50	10
B 244196-1 NEI	62	50	9,5
B 255177 NEI	65	45	14,5
B 255196 NEI	65	50	11
B 255216 NEI	65	55	11
B 255216-1 NEI	65	55	8
B 259212 NEI	66	54	9,5
B 275225 NEI	69,85	57,15	10,5
B 275196 NEI	70	60	8
B 275216 NEI	70	55	10,5
B 275236 NEI	70	60	8
B 275236-2 NEI	70	60	13
B 279220 NEI	71	56	10,5
B 283236 NEI	72	60	10
B 295216 NEI	75	55	14,5
B 295236 NEI	75	60	13
B 295248 NEI	75	63	11
B 295255 NEI	75	65	13,5
B 299220 NEI	76	56	14,5
B 300250 NEI	76,2	63,5	8,5
B 306250 NEI	77,78	63,5	11,5
B 314236 NEI	80	60	14,5
B 314255 NEI	80	65	11,5
B 314275 NEI	80	70	12,8
B 314275-1 NEI	80	70	8
B 322275 NEI	82	70	10,5
B 326248 NEI	83	63	14,5
B 330275 NEI	84	70	12,5
B 334275-1 NEI	85	70	12
B 334295-2 NEI	85	75	11
B 354275 NEI	90	70	14,5
B 354295 NEI	90	75	11,5
B 354295-1 NEI	90	75	12,8

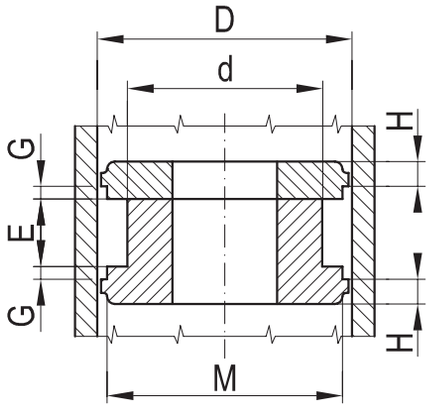
“WRM” rod wipers
Racleurs en caoutchouc "WRM"
Raschiatori in gomma "WRM"

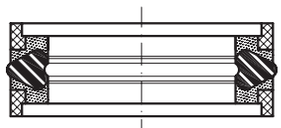


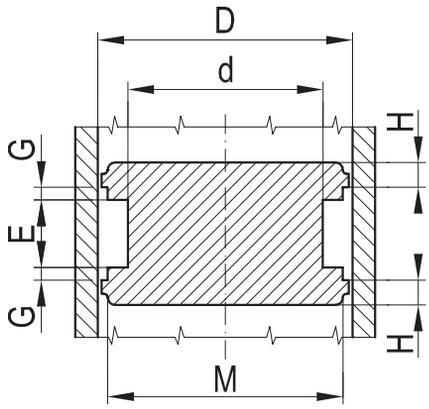
Descr.	d	D	E
WRM 047070	12	18,6	3,8
WRMWRM 051074	13	19,6	3,8
WRM 059082	15	21,6	3,8
WRM 062067	16	22,6	3,8
WRM 066094	17	23,6	3,8
WRM 070094	18	24,6	3,8
WRM 074110	19	28,6	5,3
WRM 078110	20	28,6	5,3
WRM 086118	22	30,6	5,3
WRM 094125	24	32,6	5,3
WRM 098129	25	33,6	5,3
WRM 102133	26	34,6	5,3
WRM 106137	27	35,6	5,3
WRM 110141	28	36,6	5,3
WRM 118149	30	38,6	5,3
WRM 125157	32	40,6	5,3
WRM 129161	30	41,6	5,3
WRM 137169	35	43,6	5,3
WRM 141173	36	44,6	5,3
WRM 149181	38	46,6	5,3
WRM 157188	40	48,6	5,3
WRM 165196	42	50,6	5,3
WRM 177208	45	53,6	5,3
WRM 181212	46	54,6	5,3
WRM 188220	48	56,6	5,3
WRM 196228	50	58,6	5,3

Descr.	d	D	E
WRM 208240	53	61,6	5,3
WRM 216248	55	63,6	5,3
WRM 220251	56	64,6	5,3
WRM 236267	60	68,6	5,3
WRM 248279	63	71,6	5,3
WRM 255287	65	73,6	5,3
WRM 255295	65	75,6	5,3
WRM 275307	70	78,6	5,3
WRM 275322	70	82,6	7,1
WRM 287318	73	81,6	5,3
WRM 295326	75	83,6	5,3
WRM 295345	75	87,2	7,1
WRM 301348	76,5	88,7	7,1
WRM 307362	78	92,2	7,1
WRM 314346	80	88,6	5,3
WRM 314362	80	92,6	7,1
WRM 326358	83	91,6	5,3
WRM 334366	85	93,6	5,3
WRM 334381	85	97,2	7,1
WRM 346393	88	100,2	7,1
WRM 354401	90	102,2	7,1
WRM 374421	95	107,2	7,1
WRM 380437	97	111	7,1
WRM 393440	100	112,2	7,1
WRM 405452	103	115,2	7,1
WRM 409457	104	116,2	7,1

“DBM” - BALMASTER gaskets
Joints "DBM" - BALMASTER
Guarnizioni "DBM" - BALMASTER







Cod.	Descr.	D	d	E	G	H	M
1003040001	DBM 098059	25	15	16,4	6,35	5	21,45
1003040002	DBM 118066	30	17	15,4	6,35	5	26,5
1003040003	DBM 125086	32	22	16,4	6,35	5	28,5
1003040004	DBM 137098	35	25	16,4	6,35	5	31,4
1003040005	DBM 157094	40	24	18,4	6,35	5	35,4
1003040006	DBM 157102 M	40	26	15,5	2,6	2,5	36
1003040007	DBM 157118	40	30	16,4	6,35	5	35,4
1003040008	DBM 177114	45	29	18,4	6,35	5	40,4
1003040009	DBM 177137	45	35	16,4	6,35	5	40,4
1003040010	DBM 196133	50	34	18,4	6,35	5	45,41
1003040011	DBM 196133 M	50	34	20,5	3,1	5	46
1003040012	DBM 216153	55	39	18,4	6,35	5	50,37
1003040013	DBM 236173	60	44	18,4	6,35	5	55,39
1003040014	DBM 236173 M	60	44	20,5	3,1	3	56
1003040015	DBM 248185	63	47	18,4	6,35	5	58,29
1003040016	DBM 248185 M	63	47	20,5	3,1	3	59
1003040017	DBM 255192 M	65	49	20,5	4,1	3	61
1003040018	DBM 255196	65	50	18,4	6,35	5	60,41
1003040020	DBM 275196	70	50	22,4	6,35	6	64,18
1003040021	DBM 275212 M	70	54	50,5	3,1	5	66
1003040022	DBM 295216	75	55	22,4	6,35	6	69,18
1003040023	DBM 314236	80	60	22,4	6,35	3	74,16
1003040024	DBM 314244 M	80	62	22,5	3,6	5	76
1003040025	DBM 334255	85	65	22,4	6,35	6	79,16
1003040026	DBM 354275	90	70	22,4	6,35	6	84,15
1003040027	DBM 374295	95	75	22,4	6,35	6	89,15
1003040028	DBM 393295	100	75	22,4	6,35	6	93,14
1003040029	DBM 393332 M	100	82	22,5	3,6	5	96

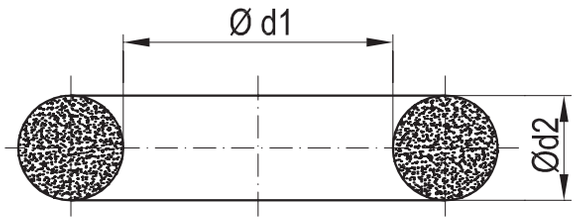
O-RINGS
O-RINGS
O-RINGS

O-Rings
Thanks to their simple and practical shape, O-Rings are widely employed in the manufacturing industry. They are the most effective and cheapest solution to sealing issues. These seals are mainly used for static joints but they may be used for dynamic joints too.
Compounds
NBR 70 SHORE A - It is the standard compound (Acrylonitrile Butadiene), also called "anti-oil rubber". It is mainly used for fuels, oils, lubricants, mineral and vegetable oils and offers excellent deformation resistance. Working temperature: +25°C/+125°C.
VA 75 SHORE A (VITON®) - It is a FPM-based compound (fluorinated polymer) and it is mainly used for high temperatures (up to 230°C), acids, alkali, combustible fuels, gases, aliphatic and aromatic hydrocarbons, solvents, chlorinated compounds, ozone and oxygen.
SIL 70 - Silicone-based compound, it extremely stable in case of hot-air applications, while offering an excellent resistance to very low temperatures (-60°C). It provides good oxygen, ozone and weather resistance. Duly treated, silicone seals are physiologically harmless and can be used in the food, pharmaceutical and surgical industries. For special-hardness or other compounds, please contact us.

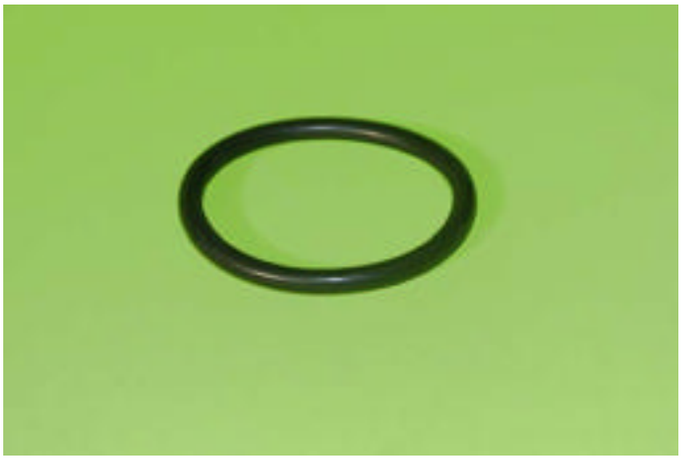
O-Rings
Les anneaux O-Rings, pour leur forme simple et pratique, trouvent une large utilisation dans l'industrie. Ils représentent la solution la plus efficace et économique aux problèmes d'étanchéité. Ces joints sont généralement utilisés pour des étanchéités statiques, mais sont également utilisés dans d'autres cas, pour des étanchéités dynamiques.
Mélanges
NBR 70 SHORE A- c'est le mélange standard (Butadiène Acide Nitrile) appelé également "caoutchouc anti-huile". Il est généralement utilisé pour l'étanchéité en présence de carburants, d'huiles, de lubrifiants, de graisses minérales, végétales et animales et offre une bonne résistance à la déformation. Température d'utilisation +25/+125°C.
VA 75 SHORE A (VITON®)- c'est le mélange à base de polymères fluoré FPM et il est généralement utilisé en présence de hautes températures (jusqu'à 230°C), d'acides, d'alcalins, de combustibles, des gaz, d'hydrocarbures aliphatiques et aromatiques, de solvants chlorurés, d'ozone et d'oxygène.
SIL 70 - Mélange à base de caoutchouc siliconé, il présente une stabilité exceptionnelle à l'air chaud, il offre également une excellente résistance aux très basses températures (-60°C). Il résiste bien à l'oxygène, à l'ozone et aux agents atmosphériques. Traités de manière appropriée, les joints en silicone trouvent utilisation dans le secteur alimentaire, pharmaceutique et médical car ils sont physiologiquement sans danger. Pour des mélanges avec des duretés spéciales ou d'autre type, nous vous prions de nous interpeller au besoin.

O-Rings
Gli anelli O-Rings, per la loro forma semplice e pratica trovano largo impiego nell'industria. Essi rappresentano la più efficace ed economica soluzione ai problemi di tenuta. Queste guarnizioni sono di prevalenza impiegate per tenute statiche ma sono altresì usate, in alcuni casi, per tenute dinamiche.
Mescole
NBR 70 SHORE A - E' la mescola standard (Butadiene Acido Nitile) detta anche "gomma antiolio". E' generalmente utilizzata per tenuta in presenza di carburanti, olii, lubrificanti, grassi minerali, vegetali ed animali e offre ottima resistenza alla deformazione. Temperatura di utilizzo +25 +125°C.
VA 75 SHORE A (VITON®) - E' la mescola a base di polimero fluorurato FPM ed è generalmente utilizzata in presenza di alte temperature (fino a 230°C), di acidi, alcali, combustibili, gas, idrocarburi alifatici ed aromatici, solventi clorurati, ozono ed ossigeno.
SIL 70 - Mescola a base di gomma siliconica, presenta eccezionale stabilità all'aria calda, nel contempo offre altrettanto eccellente resistenza alle bassissime temperature (-60°C). Resiste bene all'ossigeno, ozono ed agenti atmosferici. Opportunamente trattate le guarnizioni in silicone trovano impiego nel campo alimentare, farmaceutico e medico in quanto innocue fisiologicamente. Per mescole con durezze speciali o di altro tipo Vi invitiamo a volerci interpellare di volta in volta.

U.K. - NBR 70 measures O-R
O-R dimensions U.K. - NBR 70
O-R misure U.K. - NBR 70



∅ d 2 = 1,78



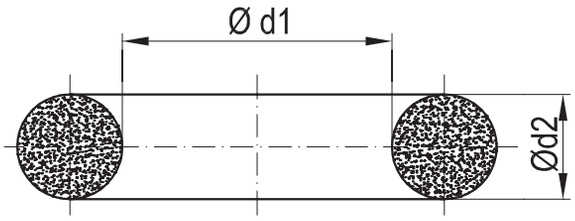
Descr.	Ød1
OR 2007	1,78
OR 2010	2,57
OR 2012	2,9
OR 2015	3,68
OR 2018	4,47
OR 2021	5,28
OR 2025	6,07
OR 106	6,75
OR 2031	7,65
OR 108	8,73
OR 2037	9,25
OR 2043	10,82
OR 114	11,11
OR 2050	12,42
OR 2056	14
OR 2062	15,6
OR 2068	17,17
OR 2075	18,77
OR 2081	20,35
OR 2087	21,95
OR 2093	23,52
OR 2100	25,12
OR 2106	26,7
OR 2112	28,3

Descr.	Ød1
OR 2118	29,87
OR 2125	31,47
OR 2131	33,05
OR 2137	34,65
OR 2150	37,82
OR 2162	41
OR 2175	44,17
OR 2187	47,35
OR 2225	56,87
OR 2275	69,57
OR 2287	72,75
OR 2200	50,52
OR 2250	63,22
OR 2262	66,4
OR 2300	75,92
OR 2325	82,27
OR 2350	88,62
OR 2375	94,97
OR 2400	101,32
OR 2425	107,67
OR 2450	114
OR 2525	133,07

U.K. - NBR 70 measures O-R

O-R dimensions U.K. - NBR 70

O-R misure U.K. - NBR 70



∅ d 2 = 2,62

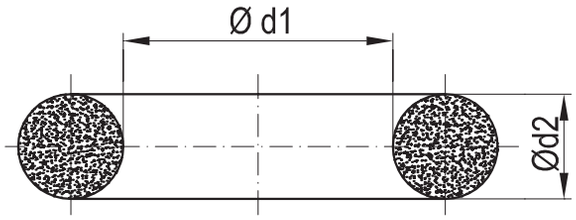
Descr.	Ød1
OR 109	9,13
OR 3037	9,19
OR 112	9,92
OR 3043	10,77
OR 115	11,91
OR 3050	12,37
OR 117	13,1
OR 3056	13,95
OR 119	15,08
OR 3062	15,54
OR 121	15,88
OR 3068	17,12
OR 123	17,86
OR 3075	18,72
OR 3081	20,29
OR 128	20,63
OR 3087	21,89
OR 130	22,22
OR 3093	23,47
OR 132	23,81
OR 3100	25,07
OR 3106	26,64
OR 3112	28,25
OR 3118	29,82
OR 3125	31,42
OR 3131	32,99
OR 3137	34,59
OR 3143	36,17
OR 3150	37,77

Descr.	Ød1
OR 3156	39,34
OR 3162	40,95
OR 3168	42,52
OR 3175	44,12
OR 3181	45,69
OR 3187	47,29
OR 3193	48,9
OR 3200	50,47
OR 3206	52,07
OR 3212	53,64
OR 3218	55,25
OR 3225	56,82
OR 3231	58,42
OR 3237	59,99
OR 3243	61,6
OR 3250	63,17
OR 3256	64,77
OR 3262	66,34
OR 3268	67,95
OR 3275	69,52
OR 3281	71,12
OR 3287	72,69
OR 3300	75,87
OR 3325	82,22
OR 3350	88,57
OR 3400	101,27
OR 3425	107,62
OR 3475	120,32
OR 3500	126,67

U.K. - NBR 70 measures O-R

O-R dimensions U.K. - NBR 70

O-R misure U.K. - NBR 70



∅ d 2 = 3,53

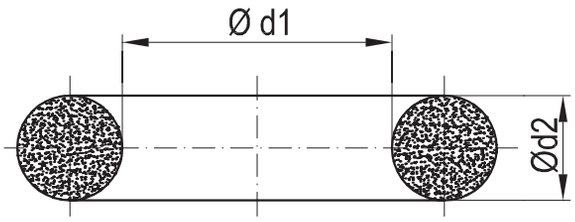
Descr.	Ød1
OR 4075	18,64
OR 4081	20,22
OR 4087	21,82
OR 4093	23,4
OR 4100	25
OR 134	25,8
OR 4106	26,58
OR 4112	28,17
OR 4118	29,75
OR 4125	31,34
OR 4131	32,92
OR 4137	34,52
OR 4143	36,09
OR 4150	37,69
OR 144	39,69
OR 4162	40,87
OR 146	41,28
OR 147	42,86
OR 4175	44,04
OR 149	44,45
OR 150	46,04
OR 4187	47,22
OR 152	47,63
OR 153	49,21
OR 4200	50,39
OR 155	50,8
OR 156	52,39
OR 4212	53,57
OR 158	53,98
OR 159	55,56
OR 4225	56,74
OR 161	57,15
OR 162	58,74
OR 4237	59,92
OR 164	60,33
OR 165	61,91
OR 4250	63,09
OR 167	63,5
OR 168	65,09
OR 4262	66,27
OR 170	66,68
OR 171	68,26
OR 4275	69,44
OR 173	69,85
OR 174	71,44
OR 4287	72,62

Descr.	Ød1
OR 176	73,03
OR 177	74,61
OR 4300	75,76
OR 4312	78,97
OR 4325	82,14
OR 4337	85,32
OR 4350	88,49
OR 4362	91,67
OR 4375	94,84
OR 4387	98,02
OR 4400	101,19
OR 4412	104,37
OR 4425	107,54
OR 4437	110,72
OR 4450	113,89
OR 4462	117,07
OR 4475	120,24
OR 4487	123,42
OR 4500	126,59
OR 4512	129,77
OR 4525	132,94
OR 4537	136,12
OR 4550	139,29
OR 4562	142,47
OR 4575	145,64
OR 4587	148,82
OR 4600	151,99
OR 4625	158,34
OR 4650	164,7
OR 4675	171,04
OR 4700	177,39
OR 4725	183,74
OR 4750	190,09
OR 4775	196,44
OR 4800	202,79
OR 4825	209,14
OR 4850	215,5
OR 4875	221,84
OR 4900	228,2
OR 4925	234,54
OR 4950	240,9
OR 4975	247,24
OR 41000	253,6
OR 41050	266,29
OR 41100	291,69

U.K. - NBR 70 measures O-R

O-R dimensions U.K. - NBR 70

O-R misure U.K. - NBR 70

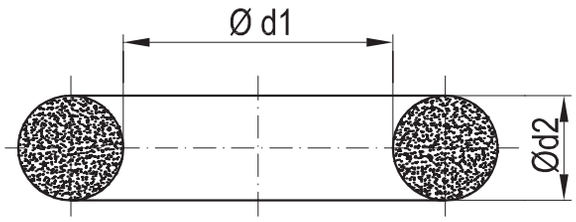


∅ d 2 = 5,33

Descr.	Ød1
OR 6150	37,47
OR 6162	40,64
OR 6175	43,82
OR 6187	46,99
OR 6200	50,16
OR 6212	53,34
OR 6225	56,52
OR 6237	59,69
OR 6250	62,87
OR 6262	66,04
OR 6275	69,22
OR 6287	72,39
OR 178	74,63
OR 6300	75,57
OR 6312	78,74
OR 181	79,77
OR 6325	81,92
OR 6337	85,09
OR 6350	88,27
OR 185	89,69
OR 6362	91,44

Descr.	Ød1
OR 6375	94,62
OR 6387	97,79
OR 189	100
OR 6400	100,97
OR 6412	104,14
OR 6425	107,32
OR 193	109,5
OR 6437	110,5
OR 6450	113,67
OR 199	116,84
OR 201	120,7
OR 203	123,8
OR 206	127
OR 208	130,2
OR 210	133,4
OR 213	136,5
OR 215	139,7
OR 217	142,9
OR 219	146,1
OR 221	149,2

U.K. - NBR 70 measures O-R
O-R dimensions U.K. - NBR 70
O-R misure U.K. - NBR 70

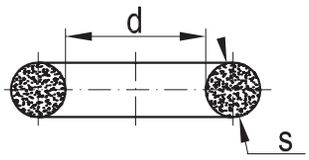


∅ d 2 = 6,99

Descr.	Ød1
OR 8450	113,67
OR 197	114,7
OR 8462	116,84
OR 8475	120,02
OR 8487	123,19
OR 204	124,6
OR 8500	126,37
OR 8512	129,54
OR 8525	132,72
OR 211	134,5
OR 8537	135,89
OR 8550	139,07
OR 8575	145,42
OR 8587	148,59
OR 8600	151,77
OR 223	155,6
OR 8625	158,12
OR 225	159,5
OR 226	161,9
OR 8650	164,47
OR 228	166,7
OR 229	168,3
OR 8675	170,82
OR 231	174,6
OR 8700	177,17
OR 233	181
OR 8725	183,52
OR 235	187,3
OR 8750	189,87

Descr.	Ød1
OR 237	193,7
OR 8775	196,22
OR 239	200
OR 8800	202,57
OR 8825	208,9
OR 8850	215,27
OR 8875	221,6
OR 8900	227,97
OR 8925	234,3
OR 8950	240,67
OR 8975	247
OR 81000	253,37
OR 81025	259,7
OR 81050	266,07
OR 81075	272,4
OR 81100	278,77
OR 81125	285
OR 81150	291,47
OR 81175	297,8
OR 81200	304,17
OR 81250	316,87
OR 81300	329,57
OR 81350	342,27
OR 81400	354,97
OR 81450	367,67
OR 81500	380,37
OR 81550	393,07
OR 8562	142,24

Metric O-Ring - NBR, FPM
O-Ring Métriques - NBR, FPM
O-Ring Metrici - NBR, FPM



d	s
1.15	1.00
1.50	1.00
1.80	1.00
2.00	1.00
2.50	1.00
3.00	1.00
3.50	1.00
4.00	1.00
4.50	1.00
5.00	1.00
5.50	1.00
6.00	1.00
6.50	1.00
7.00	1.00
7.50	1.00
8.00	1.00
8.50	1.00
9.00	1.00
9.50	1.00
10.00	1.00
10.50	1.00
11.00	1.00
11.50	1.00
12.00	1.00
12.50	1.00
13.00	1.00
13.50	1.00
14.00	1.00
14.50	1.00
15.00	1.00
15.50	1.00
16.00	1.00
16.50	1.00
17.00	1.00
17.50	1.00
18.00	1.00
18.50	1.00
19.00	1.00
19.50	1.00
20.00	1.00
20.50	1.00
21.00	1.00
21.50	1.00
22.00	1.00

d	s
22.50	1.00
23.00	1.00
23.50	1.00
24.00	1.00
24.50	1.00
25.00	1.00

d	s
2.00	1.50
2.50	1.50
2.80	1.50
3.00	1.50
3.50	1.50
4.00	1.50
4.50	1.50
5.00	1.50
5.50	1.50
6.00	1.50
6.50	1.50
7.00	1.50
7.50	1.50
8.00	1.50
8.50	1.50
9.00	1.50
9.50	1.50
10.00	1.50
10.50	1.50
11.00	1.50
11.50	1.50
12.00	1.50
12.50	1.50
13.00	1.50
13.50	1.50
14.00	1.50
14.50	1.50
15.00	1.50
15.50	1.50
16.00	1.50
16.50	1.50
17.00	1.50
17.50	1.50
18.00	1.50
18.50	1.50
19.00	1.50

d	s
19.50	1.50
20.00	1.50
20.50	1.50
21.00	1.50
21.50	1.50
22.00	1.50
22.50	1.50
23.00	1.50
23.50	1.50
24.00	1.50
24.50	1.50
25.00	1.50
25.50	1.50
26.00	1.50
26.50	1.50
27.00	1.50
27.50	1.50
28.00	1.50
28.50	1.50
29.00	1.50
29.50	1.50
30.00	1.50
30.50	1.50
31.00	1.50
31.50	1.50
32.00	1.50
32.50	1.50
33.00	1.50
33.50	1.50
34.00	1.50
34.50	1.50
35.00	1.50
35.50	1.50
36.00	1.50
37.00	1.50
37.50	1.50
38.00	1.50
38.50	1.50
39.00	1.50
39.50	1.50
40.00	1.50
41.00	1.50
42.00	1.50
43.00	1.50
44.00	1.50
45.00	1.50
46.00	1.50
47.00	1.50
48.00	1.50
49.00	1.50
50.00	1.50
51.00	1.50
52.00	1.50

d	s
53.00	1.50
54.00	1.50
55.00	1.50
56.00	1.50
57.00	1.50
58.00	1.50
59.00	1.50
60.00	1.50
61.00	1.50
62.00	1.50
63.00	1.50
64.00	1.50
65.00	1.50
66.00	1.50
67.00	1.50
68.00	1.50
69.00	1.50
70.00	1.50
71.00	1.50
72.00	1.50
73.00	1.50
74.00	1.50
75.00	1.50
76.00	1.50
77.00	1.50
78.00	1.50
79.00	1.50
80.00	1.50
81.00	1.50
82.00	1.50
83.00	1.50
84.00	1.50
85.00	1.50
86.00	1.50
87.00	1.50
88.00	1.50
89.00	1.50
90.00	1.50
91.00	1.50
92.00	1.50
93.00	1.50
94.00	1.50
95.00	1.50
96.00	1.50
97.00	1.50
98.00	1.50
99.00	1.50
100.00	1.50

d	s
2.20	1.60
2.75	1.60
3.10	1.60

d	s
4.10	1.60
4.70	1.60
5.00	1.60
5.10	1.60
6.10	1.60
7.10	1.60
8.10	1.60
9.10	1.60
10.10	1.60
11.10	1.60
12.10	1.60
13.10	1.60
14.10	1.60
15.10	1.60
16.10	1.60
17.10	1.60
18.10	1.60
19.10	1.60
22.10	1.60
25.10	1.60
27.10	1.60
29.10	1.60
32.10	1.60
35.10	1.60
37.10	1.60

d	s
2.40	1.90
2.60	1.90
3.40	1.90
4.20	1.90
4.90	1.90
5.70	1.90
6.40	1.90
7.20	1.90
8.00	1.90
8.90	1.90
8.00	1.90
8.50	1.90
9.00	1.90

d	s
2.50	2.00
3.00	2.00
3.50	2.00
4.00	2.00
4.50	2.00
5.00	2.00
5.50	2.00
6.00	2.00
6.50	2.00
7.00	2.00
7.50	2.00

d	s
8.00	2.00
8.50	2.00
9.00	2.00
9.50	2.00
10.00	2.00
10.50	2.00
11.00	2.00
11.50	2.00
12.00	2.00
12.50	2.00
13.00	2.00
13.50	2.00
14.00	2.00
14.50	2.00
15.00	2.00
15.50	2.00
16.00	2.00
16.50	2.00
17.00	2.00
17.50	2.00
18.00	2.00
18.50	2.00
19.00	2.00
19.50	2.00
20.00	2.00
20.50	2.00
21.00	2.00
21.50	2.00
22.00	2.00
22.50	2.00
23.00	2.00
23.50	2.00
24.00	2.00
24.50	2.00
25.00	2.00
25.50	2.00
26.00	2.00
26.50	2.00
27.00	2.00
27.50	2.00
28.00	2.00
28.50	2.00
29.00	2.00
29.50	2.00
30.00	2.00
30.50	2.00
31.00	2.00
31.50	2.00
32.00	2.00
32.50	2.00
33.00	2.00
33.50	2.00
34.00	2.00

d	s
34.50	2.00
35.00	2.00
35.50	2.00
36.00	2.00
36.50	2.00
37.00	2.00
37.50	2.00
38.00	2.00
38.50	2.00
39.00	2.00
39.50	2.00
40.00	2.00
41.00	2.00
42.00	2.00
43.00	2.00
44.00	2.00
45.00	2.00
46.00	2.00
47.00	2.00
48.00	2.00
49.00	2.00
50.00	2.00
51.00	2.00
52.00	2.00
53.00	2.00
54.00	2.00
55.00	2.00
56.00	2.00
57.00	2.00
58.00	2.60
59.00	2.00
60.00	2.00
61.00	2.00
62.00	2.00
63.00	2.00
64.00	2.00
65.00	2.00
66.00	2.00
67.00	2.00
68.00	2.00
69.00	2.00
70.00	2.00
71.00	2.00
72.00	2.00
73.00	2.00
74.00	2.00
75.00	2.00
76.00	2.00
77.00	2.00
78.00	2.00
79.00	2.00
80.00	2.00
81.00	2.00

d	s
82.00	2.00
83.00	2.00
84.00	2.00
85.00	2.00
86.00	2.00
87.00	2.00
88.00	2.00
89.00	2.00
90.00	2.00
91.00	2.00
92.00	2.00
93.00	2.00
94.00	2.00
95.00	2.00
96.00	2.00
97.00	2.00
98.00	2.00
99.00	2.00
100.00	2.00

d	s
3.30	2.40
3.60	2.40
4.30	2.40
4.60	2.40
5.30	2.40
5.50	2.40
5.60	2.40
6.30	2.40
6.60	2.40
7.30	2.40
7.50	2.40
7.60	2.40
8.30	2.40
8.60	2.40
9.30	2.40
9.60	2.40
10.30	2.40
10.50	2.40
10.60	2.40
11.30	2.40
11.50	2.40
11.60	2.40
12.30	2.40
12.60	2.40
13.30	2.40
13.50	2.40
13.60	2.40
14.30	2.40
14.50	2.40
14.60	2.40
15.30	2.40
15.50	2.40

d	s
15.60	2.40
16.30	2.40
16.60	2.40
17.30	2.40
17.50	2.40
17.60	2.40
18.60	2.40
19.60	2.40
20.50	2.40
21.50	2.40
21.60	2.40
23.50	2.40
24.50	2.40
24.60	2.40
25.00	2.40
27.50	2.40
27.60	2.40
29.60	2.40
31.60	2.40
34.60	2.40
37.60	2.40
39.60	2.40
41.60	2.40
44.60	2.40
44.60	2.40
47.60	2.40
49.60	2.40
51.60	2.40
54.60	2.40
57.60	2.40
59.60	2.40
61.60	2.40
64.60	2.40
67.60	2.40
69.60	2.40

d	s
4.00	2.50
4.60	2.50
5.00	2.50
5.50	2.50
6.00	2.50
6.50	2.50
7.00	2.50
7.50	2.50
8.00	2.50
8.50	2.50
9.00	2.50
9.50	2.50
10.00	2.50
10.50	2.50
11.00	2.50
11.50	2.50

d	s
12.00	2.50
12.50	2.50
13.00	2.50
13.50	2.50
14.00	2.50
14.50	2.50
15.00	2.50
15.50	2.50
16.00	2.50
16.50	2.50
17.00	2.50
17.50	2.50
18.00	2.50
18.50	2.50
19.00	2.50
19.50	2.50
20.00	2.50
20.50	2.50
21.00	2.50
21.50	2.50
22.00	2.50
22.50	2.50
23.00	2.50
23.50	2.50
24.00	2.50
24.50	2.50
25.00	2.50
25.50	2.50
26.00	2.50
26.50	2.50
27.00	2.50
27.50	2.50
28.00	2.50
28.50	2.50
29.00	2.50
29.50	2.50
30.00	2.50
30.50	2.50
31.00	2.50
31.50	2.50
32.00	2.50
32.50	2.50
33.00	2.50
33.50	2.50
34.00	2.50
34.50	2.50
35.00	2.50
35.50	2.50
36.00	2.50
36.50	2.50
37.00	2.50
37.50	2.50
38.00	2.50

d	s
38.50	2.50
39.00	2.50
39.50	2.50
40.00	2.50
41.00	2.50
42.00	2.50
43.00	2.50
44.00	2.50
45.00	2.50
46.00	2.50
47.00	2.50
48.00	2.50
49.00	2.50
50.00	2.50
51.00	2.50
52.00	2.50
53.00	2.50
54.00	2.50
55.00	2.50
56.00	2.50
57.00	2.50
58.00	2.50
59.00	2.50
60.00	2.50
61.00	2.50
62.00	2.50
63.00	2.50
64.00	2.50
65.00	2.50
66.00	2.50
67.00	2.50
68.00	2.50
69.00	2.50
70.00	2.50
71.00	2.50
72.00	2.50
73.00	2.50
74.00	2.50
75.00	2.50
76.00	2.50
77.00	2.50
78.00	2.50
79.00	2.50
80.00	2.50
81.00	2.50
82.00	2.50
83.00	2.50
84.00	2.50
85.00	2.50
86.00	2.50
87.00	2.50
88.00	2.50
89.00	2.50

d	s
90.00	2.50
91.00	2.50
92.00	2.50
93.00	2.50
94.00	2.50
95.00	2.50
96.00	2.50
97.00	2.50
98.00	2.50
99.00	2.50
100.00	2.50
101.00	2.50
102.00	2.50
103.00	2.50
104.00	2.50
105.00	2.50
106.00	2.50
107.00	2.50
108.00	2.50
109.00	2.50
110.00	2.50
111.00	2.50
112.00	2.50
113.00	2.50
114.00	2.50
115.00	2.50
116.00	2.50
117.00	2.50
118.00	2.50
119.00	2.50
120.00	2.50
121.00	2.50
122.00	2.50
123.00	2.50
124.00	2.50
125.00	2.50
126.00	2.50
127.00	2.50
128.00	2.50
129.00	2.50
130.00	2.50
131.00	2.50
132.00	2.50
133.00	2.50
134.00	2.50
135.00	2.50
136.00	2.50
137.00	2.50
138.00	2.50
139.00	2.50
140.00	2.50
141.00	2.50
142.00	2.50

d	s
143.00	2.50
144.00	2.50
145.00	2.50
146.00	2.50
147.00	2.50
148.00	2.50
149.00	2.50
150.00	2.50

d	s
8.90	2.70
10.50	2.70
12.10	2.70
13.60	2.70
15.10	2.70
16.90	2.70
18.40	2.70
27.30	2.70

d	s
3.50	3.00
4.00	3.00
4.50	3.00
5.00	3.00
5.50	3.00
6.00	3.00
6.50	3.00
7.00	3.00
7.50	3.00
8.00	3.00
8.50	3.00
9.00	3.00
9.50	3.00
10.00	3.00
10.50	3.00
11.00	3.00
11.50	3.00
12.00	3.00
12.50	3.00
13.00	3.00
13.50	3.00
14.00	3.00
14.50	3.00
15.00	3.00
15.50	3.00
16.00	3.00
16.50	3.00
17.00	3.00
17.50	3.00
18.00	3.00
18.50	3.00
19.00	3.00
19.20	3.00

d	s
19.50	3.00
20.00	3.00
20.50	3.00
21.00	3.00
21.50	3.00
22.00	3.00
22.20	3.00
22.50	3.00
23.00	3.00
23.50	3.00
24.00	3.00
24.20	3.00
24.50	3.00
24.60	3.00
25.00	3.00
25.50	3.00
26.00	3.00
26.20	3.00
26.50	3.00
27.00	3.00
27.50	3.00
27.50	3.00
28.00	3.00
28.50	3.00
29.00	3.00
29.20	3.00
30.00	3.00
30.50	3.00
31.00	3.00
31.50	3.00
32.00	3.00
32.20	3.00
32.50	3.00
33.00	3.00
33.50	3.00
34.00	3.00
34.20	3.00
34.50	3.00
35.00	3.00
35.50	3.00
36.00	3.00
36.20	3.00
36.50	3.00
37.00	3.00
37.47	3.00
37.50	3.00
38.00	3.00
38.50	3.00
39.00	3.00
39.20	3.00
39.50	3.00
40.00	3.00
41.00	3.00

d	s
41.50	3.00
42.00	3.00
42.20	3.00
42.50	3.00
43.00	3.00
43.69	3.00
44.00	3.00
44.20	3.00
44.50	3.00
45.00	3.00
46.00	3.00
47.00	3.00
48.00	3.00
49.00	3.00
49.50	3.00
50.00	3.00
50.50	3.00
51.00	3.00
52.00	3.00
53.00	3.00
53.09	3.00
54.00	3.00
54.50	3.00
55.00	3.00
56.00	3.00
57.00	3.00
58.00	3.00
59.00	3.00
59.36	3.00
59.50	3.00
60.00	3.00
61.00	3.00
62.00	3.00
63.00	3.00
64.00	3.00
64.50	3.00
65.00	3.00
66.00	3.00
67.00	3.00
68.00	3.00
69.00	3.00
69.50	3.00
70.00	3.00
71.00	3.00
72.00	3.00
73.00	3.00
74.00	3.00
74.50	3.00
75.00	3.00
76.00	3.00
77.00	3.00
78.00	3.00
79.00	3.00

d	s
79.50	3.00
80.00	3.00
81.00	3.00
82.00	3.00
83.00	3.00
84.00	3.00
84.50	3.00
85.00	3.00
86.00	3.00
87.00	3.00
88.00	3.00
89.00	3.00
89.50	3.00
90.00	3.00
91.00	3.00
92.00	3.00
93.00	3.00
94.00	3.00
94.50	3.00
95.00	3.00
96.00	3.00
97.00	3.00
98.00	3.00
99.00	3.00
99.50	3.00
100.00	3.00
101.00	3.00
102.00	3.00
103.00	3.00
104.00	3.00
104.50	3.00
105.00	3.00
106.00	3.00
107.00	3.00
108.00	3.00
109.00	3.00
109.50	3.00
110.00	3.00
111.00	3.00
112.00	3.00
113.00	3.00
114.00	3.00
114.50	3.00
115.00	3.00
116.00	3.00
117.00	3.00
118.00	3.00
119.00	3.00
119.50	3.00
120.00	3.00
121.00	3.00
122.00	3.00
123.00	3.00

d	s
124.00	3.00
124.50	3.00
125.00	3.00
126.00	3.00
127.00	3.00
128.00	3.00
129.00	3.00
129.50	3.00
130.00	3.00
131.00	3.00
132.00	3.00
133.00	3.00
134.00	3.00
134.50	3.00
135.00	3.00
136.00	3.00
137.00	3.00
138.00	3.00
139.00	3.00
139.50	3.00
140.00	3.00
141.00	3.00
142.00	3.00
143.00	3.00
144.00	3.00
144.50	3.00
145.00	3.00
146.00	3.00
147.00	3.00
148.00	3.00
149.00	3.00
149.50	3.00
150.00	3.00
151.00	3.00
152.00	3.00
153.00	3.00
154.00	3.00
154.50	3.00
155.00	3.00
156.00	3.00
157.00	3.00
158.00	3.00
159.00	3.00
159.50	3.00
160.00	3.00
161.00	3.00
162.00	3.00
163.00	3.00
164.00	3.00
164.50	3.00
165.00	3.00
166.00	3.00
167.00	3.00

d	s
168.00	3.00
169.00	3.00
169.50	3.00
170.00	3.00
171.00	3.00
172.00	3.00
173.00	3.00
174.00	3.00
174.50	3.00
175.00	3.00
176.00	3.00
177.00	3.00
178.00	3.00
179.00	3.00
179.50	3.00
180.00	3.00

d	s
18.30	3.60
19.80	3.60
21.30	3.60
23.00	3.60
24.60	3.60
26.20	3.60
27.80	3.60
29.30	3.60
30.80	3.60
32.50	3.60
34.10	3.60
35.60	3.60
37.30	3.60
43.40	3.60

d	s
4.00	4.00
5.00	4.00
6.00	4.00
7.00	4.00
8.00	4.00
9.00	4.00
10.00	4.00
11.00	4.00
12.00	4.00
13.00	4.00
14.00	4.00
15.00	4.00
16.00	4.00
17.00	4.00
18.00	4.00
19.00	4.00
20.00	4.00
21.00	4.00
22.00	4.00

d	s
23.00	4.00
24.00	4.00
25.00	4.00
26.00	4.00
27.00	4.00
28.00	4.00
29.00	4.00
30.00	4.00
31.00	4.00
32.00	4.00
33.00	4.00
34.00	4.00
35.00	4.00
36.00	4.00
37.00	4.00
38.00	4.00
39.00	4.00
40.00	4.00
41.00	4.00
42.00	4.00
43.00	4.00
44.00	4.00
45.00	4.00
46.00	4.00
47.00	4.00
48.00	4.00
49.00	4.00
50.00	4.00
51.00	4.00
52.00	4.00
53.00	4.00
54.00	4.00
55.00	4.00
56.00	4.00
57.00	4.00
58.00	4.00
59.00	4.00
60.00	4.00
61.00	4.00
62.00	4.00
63.00	4.00
64.00	4.00
65.00	4.00
66.00	4.00
67.00	4.00
68.00	4.00
69.00	4.00
70.00	4.00
71.00	4.00
72.00	4.00
73.00	4.00
74.00	4.00
75.00	4.00

d	s
76.00	4.00
77.00	4.00
78.00	4.00
79.00	4.00
80.00	4.00
81.00	4.00
82.00	4.00
83.00	4.00
84.00	4.00
85.00	4.00
86.00	4.00
87.00	4.00
88.00	4.00
89.00	4.00
90.00	4.00
91.00	4.00
92.00	4.00
93.00	4.00
94.00	4.00
95.00	4.00
96.00	4.00
97.00	4.00
98.00	4.00
99.00	4.00
100.00	4.00
101.00	4.00
102.00	4.00
103.00	4.00
104.00	4.00
105.00	4.00
106.00	4.00
107.00	4.00
108.00	4.00
109.00	4.00
110.00	4.00
111.00	4.00
112.00	4.00
113.00	4.00
114.00	4.00
115.00	4.00
116.00	4.00
117.00	4.00
118.00	4.00
119.00	4.00
120.00	4.00
121.00	4.00
122.00	4.00
123.00	4.00
124.00	4.00
125.00	4.00
126.00	4.00
127.00	4.00
128.00	4.00

d	s
129.00	4.00
130.00	4.00
131.00	4.00
132.00	4.00
133.00	4.00
134.00	4.00
135.00	4.00
136.00	4.00
137.00	4.00
138.00	4.00
140.00	4.00
141.00	4.00
142.00	4.00
143.00	4.00
144.00	4.00
145.00	4.00
146.00	4.00
147.00	4.00
148.00	4.00
149.00	4.00
150.00	4.00
151.00	4.00
152.00	4.00
153.00	4.00
154.00	4.00
155.00	4.00
156.00	4.00
157.00	4.00
158.00	4.00
159.00	4.00
160.00	4.00
161.00	4.00
162.00	4.00
163.00	4.00
164.00	4.00
165.00	4.00
166.00	4.00
167.00	4.00
168.00	4.00
169.00	4.00
170.00	4.00
171.00	4.00
172.00	4.00
173.00	4.00
174.00	4.00
175.00	4.00
176.00	4.00
177.00	4.00
178.00	4.00
179.00	4.00
180.00	4.00
181.00	4.00
182.00	4.00

d	s
183.00	4.00
184.00	4.00
185.00	4.00
186.00	4.00
187.00	4.00
188.00	4.00
189.00	4.00
190.00	4.00
191.00	4.00
192.00	4.00
193.00	4.00
194.00	4.00
195.00	4.00
196.00	4.00
197.00	4.00
198.00	4.00
199.00	4.00
200.00	4.00

d	s
6.00	4.50
8.00	4.50
9.00	4.50
9.50	4.50
10.00	4.50
10.50	4.50
11.00	4.50
12.00	4.50
13.00	4.50
15.00	4.50
15.50	4.50
16.00	4.50
17.00	4.50
18.00	4.50
19.00	4.50
20.00	4.50
21.00	4.50
21.50	4.50
22.00	4.50
22.50	4.50
23.00	4.50
24.00	4.50
24.50	4.50
25.00	4.50
26.00	4.50
27.00	4.50
27.50	4.50
28.00	4.50
28.50	4.50
29.00	4.50
29.50	4.50
30.00	4.50
31.00	4.50

d	s
31.50	4.50
32.00	4.50
33.00	4.50
34.00	4.50
34.50	4.50
35.00	4.50
35.50	4.50
36.00	4.50
37.00	4.50
37.50	4.50
38.00	4.50
39.00	4.50
40.00	4.50
40.50	4.50
41.00	4.50
42.00	4.50
43.00	4.50
44.00	4.50
45.00	4.50
46.00	4.50
47.00	4.50
48.00	4.50
49.00	4.50
50.00	4.50
51.00	4.50
53.00	4.50
56.00	4.50
57.00	4.50
60.00	4.50
61.00	4.50
63.00	4.50
64.00	4.50
65.00	4.50
66.00	4.50
68.00	4.50
69.00	4.50
70.00	4.50
71.00	4.50
73.00	4.50
74.00	4.50
75.00	4.50
76.00	4.50
80.00	4.50
81.00	4.50
83.00	4.50
85.00	4.50
86.00	4.50
89.00	4.50
90.00	4.50
92.00	4.50
93.50	4.50
95.00	4.50
97.50	4.50

d	s
98.00	4.50
99.50	4.50
100.00	4.50
100.50	4.50
101.00	4.50
103.50	4.50
105.00	4.50
106.00	4.50
110.00	4.50
115.00	4.50
118.00	4.50
120.00	4.50
122.00	4.50
124.00	4.50
126.00	4.50
128.00	4.50
130.00	4.50
131.50	4.50
134.50	4.50
137.00	4.50
140.00	4.50
140.50	4.50
150.00	4.50
153.00	4.50
155.00	4.50
157.00	4.50
160.00	4.50
165.00	4.50
172.00	4.50
178.00	4.50
180.00	4.50
185.00	4.50
186.00	4.50
189.50	4.50
192.00	4.50
208.00	4.50
215.00	4.50
218.00	4.50
225.00	4.50
227.00	4.50
250.00	4.50
267.00	4.50
280.00	4.50
315.00	4.50

d	s
4.00	5.00
5.00	5.00
6.00	5.00
7.00	5.00
8.00	5.00
9.00	5.00
10.00	5.00

d	s
11.00	5.00
12.00	5.00
13.00	5.00
14.00	5.00
15.00	5.00
16.00	5.00
17.00	5.00
18.00	5.00
19.00	5.00
20.00	5.00
21.00	5.00
22.00	5.00
23.00	5.00
24.00	5.00
25.00	5.00
26.00	5.00
27.00	5.00
28.00	5.00
29.00	5.00
30.00	5.00
31.00	5.00
32.00	5.00
33.00	5.00
34.00	5.00
35.00	5.00
36.00	5.00
37.00	5.00
38.00	5.00
39.00	5.00
40.00	5.00
41.00	5.00
42.00	5.00
43.00	5.00
44.00	5.00
45.00	5.00
46.00	5.00
47.00	5.00
48.00	5.00
49.00	5.00
50.00	5.00
51.00	5.00
52.00	5.00
53.00	5.00
54.00	5.00
55.00	5.00
56.00	5.00
57.00	5.00
58.00	5.00
59.00	5.00
60.00	5.00
61.00	5.00
62.00	5.00
63.00	5.00

d	s
64.00	5.00
65.00	5.00
66.00	5.00
67.00	5.00
68.00	5.00
69.00	5.00
70.00	5.00
71.00	5.00
72.00	5.00
73.00	5.00
74.00	5.00
75.00	5.00
76.00	5.00
77.00	5.00
78.00	5.00
79.00	5.00
80.00	5.00
81.00	5.00
82.00	5.00
83.00	5.00
84.00	5.00
85.00	5.00
86.00	5.00
87.00	5.00
88.00	5.00
89.00	5.00
90.00	5.00
91.00	5.00
92.00	5.00
93.00	5.00
94.00	5.00
95.00	5.00
96.00	5.00
97.00	5.00
98.00	5.00
99.00	5.00
100.00	5.00
101.00	5.00
102.00	5.00
103.00	5.00
104.00	5.00
105.00	5.00
106.00	5.00
107.00	5.00
108.00	5.00
109.00	5.00
110.00	5.00
111.00	5.00
112.00	5.00
113.00	5.00
114.00	5.00
115.00	5.00
116.00	5.00

d	s
117.00	5.00
118.00	5.00
119.00	5.00
120.00	5.00
121.00	5.00
122.00	5.00
123.00	5.00
124.00	5.00
125.00	5.00
126.00	5.00
127.00	5.00
128.00	5.00
129.00	5.00
130.00	5.00
131.00	5.00
132.00	5.00
133.00	5.00
134.00	5.00
135.00	5.00
136.00	5.00
137.00	5.00
138.00	5.00
140.00	5.00
141.00	5.00
142.00	5.00
143.00	5.00
144.00	5.00
145.00	5.00
146.00	5.00
147.00	5.00
148.00	5.00
149.00	5.00
150.00	5.00
151.00	5.00
152.00	5.00
153.00	5.00
154.00	5.00
155.00	5.00
156.00	5.00
157.00	5.00
158.00	5.00
159.00	5.00
160.00	5.00
161.00	5.00
162.00	5.00
163.00	5.00
164.00	5.00
165.00	5.00
166.00	5.00
167.00	5.00
168.00	5.00
169.00	5.00
170.00	5.00

d	s
171.00	5.00
172.00	5.00
173.00	5.00
174.00	5.00
175.00	5.00
176.00	5.00
177.00	5.00
178.00	5.00
179.00	5.00
180.00	5.00
181.00	5.00
182.00	5.00
183.00	5.00
184.00	5.00
185.00	5.00
186.00	5.00
187.00	5.00
188.00	5.00
189.00	5.00
190.00	5.00
191.00	5.00
192.00	5.00
193.00	5.00
194.00	5.00
195.00	5.00
196.00	5.00
197.00	5.00
198.00	5.00
199.00	5.00
200.00	5.00

d	s
44.20	5.70
44.30	5.70
45.30	5.70
49.20	5.70
49.30	5.70
52.30	5.70
52.50	5.70
54.20	5.70
54.30	5.70
55.30	5.70
59.20	5.70
59.30	5.70
59.70	5.70
62.00	5.70
62.30	5.70
64.00	5.70
64.20	5.70
64.30	5.70
69.00	5.70
69.20	5.70
69.30	5.70

d	s
74.00	5.70
74.20	5.70
74.30	5.70
79.00	5.70
79.20	5.70
79.30	5.70
84.00	5.70
84.10	5.70
84.30	5.70
89.00	5.70
89.10	5.70
89.30	5.70
94.00	5.70
94.10	5.70
94.30	5.70
99.00	5.70
99.10	5.70
99.30	5.70
104.00	5.70
104.10	5.70
104.30	5.70
109.00	5.70
109.10	5.70
109.30	5.70
114.00	5.70
114.30	5.70
119.00	5.70
119.30	5.70
124.00	5.70
124.30	5.70
129.30	5.70
134.30	5.70
139.30	5.70
144.30	5.70
149.30	5.70
154.30	5.70
159.30	5.70
164.30	5.70
169.30	5.70
174.30	5.70
179.30	5.70
184.30	5.70
189.30	5.70
194.30	5.70
199.30	5.70
209.30	5.70
219.30	5.70
229.30	5.70
239.30	5.70
249.30	5.70
259.30	5.70
269.30	5.70
279.30	5.70

d	s
289.30	5.70
299.30	5.70
319.30	5.70
329.30	5.70
339.30	5.70
359.30	5.70
379.30	5.70
399.30	5.70
419.30	5.70
439.30	5.70
459.30	5.70
479.30	5.70
499.30	5.70

d	s
6.00	6.00
7.00	6.00
9.00	6.00
10.00	6.00
11.00	6.00
12.00	6.00
13.00	6.00
14.00	6.00
15.00	6.00
16.00	6.00
18.00	6.00
19.00	6.00
19.50	6.00
20.00	6.00
21.00	6.00
22.00	6.00
23.00	6.00
23.50	6.00
24.00	6.00
25.00	6.00
26.00	6.00
27.00	6.00
28.00	6.00
29.00	6.00
30.00	6.00
31.00	6.00
32.00	6.00
33.00	6.00
34.00	6.00
35.00	6.00
36.00	6.00
37.00	6.00
38.00	6.00
39.00	6.00
40.00	6.00
41.00	6.00
41.50	6.00
42.00	6.00

d	s
43.00	6.00
44.00	6.00
44.50	6.00
45.00	6.00
46.00	6.00
47.00	6.00
48.00	6.00
49.00	6.00
50.00	6.00
51.00	6.00
52.00	6.00
53.00	6.00
54.00	6.00
55.00	6.00
56.00	6.00
57.00	6.00
58.00	6.00
59.50	6.00
60.00	6.00
61.00	6.00
62.00	6.00
63.00	6.00
64.00	6.00
65.00	6.00
66.00	6.00
67.00	6.00
68.00	6.00
69.00	6.00
70.00	6.00
72.00	6.00
73.00	6.00
74.00	6.00
75.00	6.00
76.00	6.00
78.00	6.00
78.50	6.00
79.00	6.00
80.00	6.00
81.00	6.00
81.50	6.00
84.00	6.00
85.00	6.00
86.00	6.00
88.00	6.00
90.00	6.00
92.00	6.00
93.00	6.00
95.00	6.00
96.00	6.00
98.00	6.00
99.00	6.00
100.00	6.00
101.00	6.00

d	s
103.00	6.00
104.00	6.00
104.50	6.00
105.00	6.00
106.00	6.00
108.00	6.00
110.00	6.00
111.00	6.00
112.00	6.00
114.00	6.00
115.00	6.00
118.00	6.00
120.00	6.00
122.00	6.00
123.00	6.00
124.00	6.00
125.00	6.00
128.00	6.00
130.00	6.00
132.00	6.00
134.00	6.00
135.00	6.00
136.00	6.00
138.00	6.00
139.20	6.00
140.00	6.00
142.00	6.00
145.00	6.00
146.00	6.00
148.00	6.00
150.00	6.00
153.00	6.00
154.00	6.00
155.00	6.00
155.50	6.00
156.00	6.00
157.00	6.00
158.00	6.00
159.00	6.00
160.00	6.00
162.00	6.00
165.00	6.00
166.00	6.00
169.00	6.00
170.00	6.00
172.00	6.00
175.00	6.00
176.00	6.00
180.00	6.00
182.00	6.00
184.00	6.00
185.00	6.00
188.00	6.00

d	s
190.00	6.00
191.00	6.00
193.00	6.00
195.00	6.00
196.00	6.00
198.00	6.00
200.00	6.00

d	s
144.10	8.40
149.10	8.40
154.10	8.40
159.10	8.40
164.10	8.40
169.10	8.40
174.10	8.40
179.10	8.40
184.10	8.40
189.10	8.40
194.10	8.40
199.10	8.40
204.10	8.40
209.10	8.40
219.10	8.40
229.10	8.40
234.10	8.40
239.10	8.40
249.10	8.40

O-R rope/*Corde OR*/Corda OR

Cod.	Descr.
1001110001	OR 1
1001110002	OR 1,5
1001110003	OR 1,78
1001110004	OR 2
1001110005	OR 2,5
1001110006	OR 2,62
1001110007	OR 3
1001110008	OR 3,53
1001110009	OR 4
1001110010	OR 4,5
1001110011	OR 5
1001110012	OR 5,33
1001110013	OR 6
1001110014	OR 7
1001110015	OR 8
1001110017	OR 10
1001110016	OR 16

Greasy cotton packing
Baderne coton huilé
Baderna cotone grassato

Dimensions (large size)
Dimensions (grande mesure)
Dimensioni (misura grande)

4	5	6	8	10	12	14	15	16	18	20	22	25

Synthetic graphite packing
Baderne graphitée synthétique
Baderna grafitata sintetico

Synthetic + graphite packing - technical data (na 260)
Données techniques baderne synthétique + graphite (na 260)
Dati tecnici baderna sintetico + grafite (na 260)

Technical features:
Especially designed to replace the old graphited asbestos packing. All yarns are impregnated with a special graphite compound and a corrosion inhibitor and high-quality lubricants.

Applications:
This kind of packing is suitable for water, oil, steam and gas. It installed on spin pumps and valves.
It is used in the chemical, oil, naval and energy industry as well as in refineries and cement factories.

Value range:
Rotary pumps: 20 bar - speed 10m/s
Valves: 40 bar - from -50°C to +250°C - speed 2m/s
Piston pumps: 60 bar - speed 1.5 m/s

Caractéristiques techniques:
Il s'agit d'un produit spécialement étudié pour remplacer la vieille en amiante graphité. Il est imprégné fil par fil de graphite spécial avec un inhibiteur de corrosion et des lubrifiants de très grande qualité.

Utilisations:
Ce type de baderne trouve son application en présence d'une de ces substances : eau, huile, vapeur, gaz. Elle est montée sur des pompes à centrifuges, clapets.
Son utilisation est prévue dans les secteurs industriels suivants : chimiques, pétrolifère, naval, dans les centrales électriques, dans les cimenteries et dans les raffineries.

Valeurs d'utilisation:
Pompes tournantes: 20 bar - vitesse: 10 m/sec
Clapets: 40 bar - de -50° à +250°C - vitesse. 2 m/sec
Pompes à piston: 60 bar - vitesse. 1,5 m/sec

Caratteristiche tecniche:
Si tratta di un prodotto studiato appositamente per sostituire la vecchia in amianto grafitato. E' impregnata filo per filo con grafite speciale con aggiunta di inibitore di corrosione e lubrificanti di ottima.

Impieghi:
Questo tipo di baderna trova applicazione in presenta di una delle sostanze: acqua, olio, vapore, gas. Viene montata su pompe a centrifughe, valvole.
L'impiego è previsto nei seguenti settori industriali: chimico, petrolifero, navale, nelle centrali elettriche, nei cementifici e nelle raffinerie.

Valori di impiego:
Pompe rotanti: 20 bar - velocità: 10 m/sec
Valvole: 40 bar - da -50° a + 250°C - velocità. 2 m/sec
Pompe a pistone: 60 bar - velocità. 1,5 m/sec

Dimension (large size)
Dimensions (grande mesure)
Dimensioni (misura grande)

4	5	6	8	10	12	14	16	18	20	22	24	25	28	32

Teflon bonded packing (PTFE)
Baderne chargée téflon (PTFE)
Baderna caricata teflon (PTFE)

Packing 624 synthetic
This packing is braided with high quality calibrated synthetic fibres. Each yarn is impregnated with a high-percentage PTFE compound and inert lubricant. It is braided with a particular diagonal system and has good chemical-physical properties.

Tresse 624 synthétique
Tresse composée de fils synthétiques calibrés de première qualité. Imprégnation fil par fil avec haut pourcentage de PTFE et lubrifiant inerte. Elle est tressée avec un système en diagonal particulier et possède de bonnes caractéristiques chimiques et physiques.

Treccia 624 synthetic
Treccia composta da filati sintetici di prima qualità calibrati. Impregnazione filo per filo con alta percentuale di PTFE e lubrificante inerte. Viene trecciata con un particolare sistema a diagonale e possiede buone caratteristiche chimico fisiche.

Propertiese
Caractéristiques
Caratteristiche

Descr.	**Measure** *Unité de mesure* Unità di misura	**Value** *Valeur* Valore
Temperature *Température* Temperatura	°C	-70 / 270
Speed *Vitesse* Velocità	m/sec	8
Chemical resistance *Résistance chimique* Resistenza chimica	PH	3 - 12
Pressure *Pression* Pressione	BAR	130

Dimension (large size)
Dimensions (grande mesure)
Dimensioni (misura grande)

4	5	6	8	10	12	14	16	18	20	22	24	25	28	30

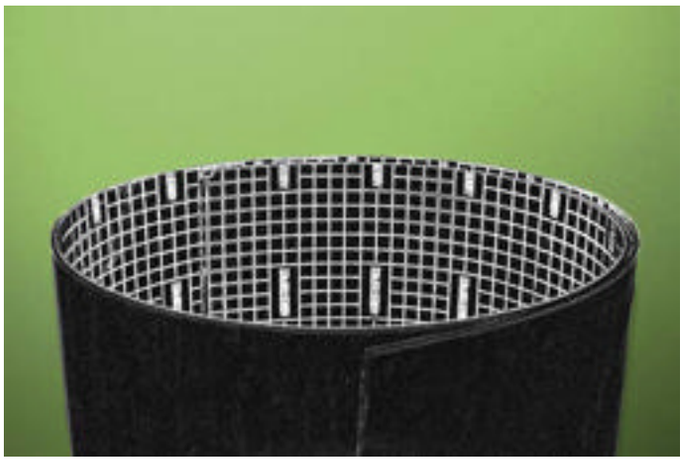
Applications
- **Static and dynamic joints**
- **Spin and alternative pumps**
- **Stirrers**
- **Abrasive liquids**
- **Steam**
- **Oils and solvents**
- **Water and other non-aggressive liquids**

Applications
- *Étanchéités statiques et dynamiques*
- *Pompes centrifuges et alternatives*
- *Agitateurs*
- *Liquides abrasifs*
- *Valeur*
- *Huiles et solvants*
- *Étanchéité à l'eau et autres liquides non agressifs.*

Applicazioni
- Tenute statiche e dinamiche
- Pompe centrifughe e alternative
- Agitatori
- Liquidi abrasivi
- Vapore
- Oli e solventi
- Tenuta all'acqua e altri liquidi non aggressivi.

N.A. 400 sheet

Plaque type N.A. 400
Lastra tipo N.A. 400



Technical features

Asbestos-free, high-quality jointing sheet made of laminated graphite, fillers and NBR binder. The graphite blades can slide on each other thus ensuring a remarkable flexibility even after the stiffening of the rubber. Complying with DIN 28091-2 (Technical delivery conditions for compressed fibre materials).

Applications

Saturated steam, fuels, lubricants, acids and weak alkali. Vibration or temperature-range stress.

Technical data (typical values for a 2 mm thickness):

Density	**DIN 3754**	**1,75 g/cm^3**
Max. temp. for short periods		**350°C**
Max continuative working temperature with fluids		**320°C**
Max continuative working temperature with		**230°C**
Max compressibility pressure	**ASTM F36**	**7%**
Elastic recovery	**ASTM F36**	**50%**
Conservation of compression	**DIN 52913**	**18 N/mm^2**
(stress retention) 16 hours, 300°C, 50 min		**25 N/mm^2**
(stress retention) 16 hours, 175°C, 50 min		**30 N/mm^2**
Transversal traction resistance	**DIN 52910**	**9 N/mm^2**
Gas permeability	**din 3535/4**	**0,8 ml/min**

Surface colour:
Sheet size: 1,500x1,500 with +/-50 tolerance
(upon request 1.500x3.000/4.500)
Thickness: from 0.3 mm at mm 5,0
Surface finish: anti-stick on both sides. Available: graphite.

Fiche technique
Jointure en plaque sans amiante, de grande qualité, composée de fibres graphitées lamellaires, de remplissage et liantes NBR. Les lamelles de graphite permettent de glisser les unes sur les autres, en garantissant ainsi une bonne élasticité après un durcissement éventuel du caoutchouc. Elle est conforme à la DIN 28091-2 (conditions de fourniture pour jointures en fibre).

Applications:
Vapeur saturée, carburants, lubrifiants, acides et faibles alcalis. Sollicitations par vibrations ou variations de température

Données techniques (valeurs typiques, se référant à une épaisseur de 2 mm):

Densité	*DIN 3754*	*1,75 g/cm^3*
Temp. Max pour brefs		*350°C*
Temp. Max d'exercice continu avec fluides non		*320°C*
Temp. Max d'exercice continu avec		*230°C*
Pression max de compressibilité	*ASTM F36*	*7%*
Retour élastique	*ASTM F36*	*50%*
Conservation de la compression	*DIN 52913*	*18 N/mm^2*
(stress retention) 16 heures, 300°C, 50 min		*25 N/mm^2*
(stress retention) 16 heures, 175°C, 50 min		*30 N/mm^2*
Résistance à la traction transversale	*DIN 52910*	*9 N/mm^2*
Perméabilité au gaz	*din 3535/4*	*0,8 ml/min*

Couleur des surfaces:
format des plaques: 1.500x1.500 avec tolérance de +/-50
(sur demande 1.500x3.000/4.500)
Épaisseurs de mm 0,3 à mm 5,0
Finition superficielle : anti stick sur les deux côtés. Disponible : graphite.

Scheda tecnica
Giuntura in lastra senza amianto, di alta qualità, composta da fibre grafite lamellare, riempitivi e legante NBR. Le lamelle di grafite permettono di scivolare gli uni sugli altri, garantendo così una particolare elasticità dopo eventuale indurimento della gomma. Conforme alla DIN 28091-2 (condizioni di fornitura per giunture in fibra).

Applicazioni
Vapore saturo, carburanti, lubrificanti, acidi ed alcali deboli. Sollecitazioni da vibrazioni o variazioni di temperatura

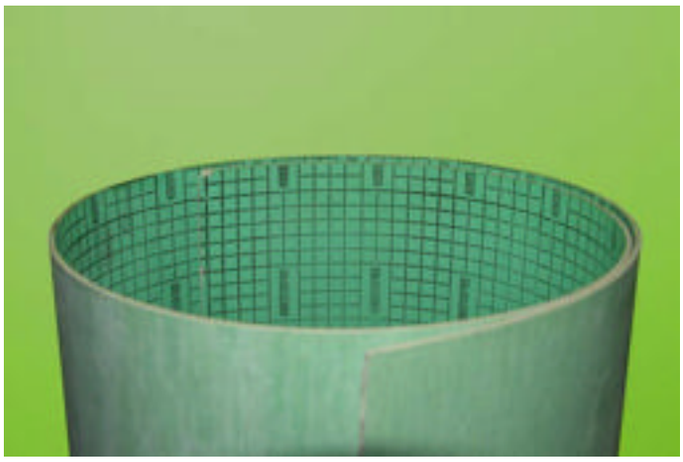
Dati tecnici (valori tipici, riferiti a spessore 2 mm):

Densità	DIN 3754	1,75 g/cm^3
Temp. max per brevi		350°C
Temp. max di eserc. continuo con fluidi non		320°C
Temp. max di eserc. continuo con		230°C
Pressione max di compressibilità	ASTM F36	7%
Ritorno elastico	ASTM F36	50%
Conservazione della compressione	DIN 52913	18 N/mm^2
(stress retention) 16 ore, 300°C, 50 min		25 N/mm^2
(stress retention) 16 ore, 175°C, 50 min		30 N/mm^2
Resistenza alla trazione trasversale	DIN 52910	9 N/mm^2
Permeabilità a gas	din 3535/4	0,8 ml/min

Colore delle superfici:
formato delle lastre: 1.500x1.500 con tolleranza +/-50
(su richiesta 1.500x3.000/4.500)
Spessori: da mm 0,3 a mm 5,0
Rifinitura superficiale: anti-stick su entrambi i lati. Disponibile: grafite.

N.A. 202 sheet

Plaque type N.A. 202
Lastra tipo N.A. 202



Technical features
Jointing sheet made of cellulose, mineral fibres and charges.

Applications
Fuels, vegetable and animal oils, lubricants, gas and hot water.

Technical data (typical values for a 2mm thickness):

Density	**DIN 3754**	**1,75 g/cm^3**
Max. temp. for short periods		**160°C**
Max compressibility pressure		**40 BAR**
	ASTM F36	**8%**
Elastic recovery	**ASTM F36**	**45%**
Conservation of compression	**DIN 52913**	**18 N/mm^2**
(stress retention) 16 hours, 175°C, 50 min		
Transversal traction resistance	**DIN 52910**	**7 N/mm^2**
Gas permeability	**DIN 3535/4**	**10 ml/min**

Surface colour:
Sheet size: 1,500x1,500 with +/-50 tolerance +/-50
(upon request 1.500x3.000/4.500)
Thickness: from 0.3 mm to mm 5,0
Surface finish: anti-stick on both sides. Available: graphite.

Fiche technique
Jointure en plaque composée de fibres de cellulose, fibres et charges minérales.

Application
Carburants, huiles végétales et animales, lubrifiants, gaz et eau chaude.

Données techniques (valeurs typiques, se référant à une épaisseur de 2 mm):

Densité	*DIN 3754*	*1,75 g/cm^3*
Temp. Max pour brefs		*160°C*
Temp. Max de		*40 BAR*
compressibilité	*ASTM F36*	*8%*
Retour élastique	*ASTM F36*	*45%*
Conservation de la compression	*DIN 52913*	*18 N/mm^2*
(stress retention) 16 heures, 175°C, 50 min		
Résistance à la traction transversale	*DIN 52910*	*7 N/mm^2*
Perméabilité au gaz	*DIN 3535/4*	*10 ml/min*

Couleur des surfaces:
Format des plaques: 1.500x1.500 avec tolérance de +/-50
(sur demande 1.500x3.000/4.500)
Épaisseurs: de mm 0,3 à mm 5,0
Finition superficielle : anti stick sur les deux côtés. Disponible : graphite.

Scheda tecnica
Giuntura in lastra composta da fibre di cellulosa, fibre e cariche minerali.

Applicazioni
Carburanti, olii vegetali ed animali, lubrificanti, gas ed acqua calda.

Dati tecnici (valori tipici, riferiti a spessore 2 mm):

Densità	DIN 3754	1,75 g/cm^3
Temp. max per brevi		160°C
Pressione max di		40 BAR
compressibilità	ASTM F36	8%
Ritorno elastico	ASTM F36	45%
Conservazione della compressione	DIN 52913	18 N/mm^2
(stress retention) 16 ore, 175°C, 50 min		
Resistenza alla trazione trasversale	DIN 52910	7 N/mm^2
Permeabilità a gas	DIN 3535/4	10 ml/min

Colore delle superfici:
Formato delle lastre: 1.500x1.500 con tolleranza +/-50
(su richiesta 1.500x3.000/4.500)
Spessori: da mm 0,3 a mm 5,0
Rifinitura superficiale: anti-stick su entrambi i lati. Disponibile: grafite.

Series 255 / PTFE glass cloth with silicone adhesive
Série 255 tissu verre / PTFE avec adhésif silicone
Serie 255 tessuto vetro / PTFE con adesivo siliconico

This series has a particularly smooth surface and is very rich in PTFE. Its glass structure ensures an excellent dimensional stability and its silicone adhesive ensures an easy installation. As it is chemically inert and repellent, PTFE protects from acids and oxidation processes preventing foreign bodies to stick on the surfaces even at high temperatures.

Cette série est caractérisée par une surface particulièrement lisse et par un haut contenu en PTFE. La structure en verre garantie une grande stabilité dimensionnelle et la colle siliconée rend la série 255 facilement positionnable. L'inertie chimique et la perméabilité du PTFE protègent les parties recouvertes des oxydations et des attaques acides en empêchant l'adhérence aux surfaces mêmes de corps étrangers même à des températures élevées.

Questa serie è caratterizzata da una superficie particolarmente liscia e da un elevato contenuto di PTFE. La struttura di vetro garantisce un'ottima stabilità dimensionale e il collante siliconico rende la serie 255 facilmente posizionabile. L'inerzia chimica e la repellenza del PTFE protegge le parti ricoperte da ossidazioni e da attacchi acidi impedendo l'adesione alle superfici stesse di corpi estranei anche ad elevate temperature.

Technical features
Caractéristiques techniques
Caratteristiche tecniche

Thickness without adhesive *Épaisseur tissu sans adhésif* Spessore tessuto senza adesivo	mm	0,080	0,127	0,150	0,250
Working temperature *Température d'utilisation* Temperatura di impiego	°C	-70/+280			
Nominal weight *Poids nominal* Peso nominale	g/m	150	240	320	480
Elongation *Étirement* Allungamento	%	< 5			
Traction resistance *Résistance à la traction* Resistenza alla trazione	N/mm	12	22	26	38
Di-electric strength *Rigidité diélectrique* Rigidità dielettrica	Kv	3	3,8	4	4,5
Adhesive *Type de colle* Tipo di collante		**Silicone (acrylic available upon request)** *Siliconique (acrylique sur demande)* Siliconico (acrilico a richiesta)			
Colour *Couleur* Colore		**Beige with yellow protection** *Beige avec protection jaune* Beige con protettivo giallo			
Available sizes *Dimensions fournies* Dimensioni fornibili		**From 10 to 1500 mm** *De 10 à 1500 mm* Da 10 a 1500 mm			

Applications:
Anti-adhesive lining for contact or friction surfaces, sliding guides, work desktops, cylinders. Anti-adhesive lining for heat-sealing and packaging machines, moulds.

Utilisations
Revêtement antiadhésif de surface de frottement ou de contact, glissières de coulissement, plans de travail, cylindres. Revêtement antiadhésif pour machines de soudage thermique et d'emballage, etc, moules.

Impieghi
Rivestimento antiadesivo di superfici di strisciamento o contatto, guide di scorrimento, piani di lavoro, cilindri. Rivestimento antiadesivo per macchine termosaldanti e d'imballaggio ecc., stampi.

Soft, self-adhesive EXPANDED TEFLON® strip

Joint plat TEFLON® EXPANSE souple autoadhésif
Piattina TEFLON® ESPANSO soffice autoadesiva

Features:

- **Chemically inert.**
- **Enhanced durability.**
- **Odourless and flavourless up to 270°C**
- **Withstands corrosion agents and ensures perfect pressure and temperature sealing.**
- **Soft and flexible, it adapts to coarse and offset surfaces.**
- **Suitable to seal against chemical products, hydrocarbons, acids and steam.**

Colour	**White**
Temperature	**-240 +280°C**
Pressure	**210 BAR**
Chemical resistance	**0-14 Ph** **Except cast alkaline metals - gas fluoride - chloride trifluoride**
Composition	**100% pure PTFE**
Durability	**Excellent (dont degrade)**

Applications

- **Gasket material for manufacturing and laboratory equipment.**
- **Gasket material on ceramic-glass or synthetic-resin flanges.**
- **Gasket material on flanges for steam, hydrocarbons and aggressive-fluid piping.**
- **Gasket material for fibreglass motorboat bodies.**
- **Gasket material for the cryogenic industry.**
- **Gasket material for the chemical and food industry.**

Caractéristiques

- *Inertie chimique*
- *Inaltérable dans le temps (aucune dégradation dans le temps)*
- *Inodore et sans saveur jusqu'à 270°*
- *Inattaquable par des agents corrosifs, il assure une étanchéité parfaite à la pression et à la température*
- *Souple et flexible, il s'adapte à des surfaces rugueuses et désaxées*
- *Il est indiqué pour l'étanchéité en présence de produits chimiques, d'hydrocarbures, d'acides et de vapeur.*

Couleur	Blanc
Température	-240 +280°C
Pression	210 BAR
Résistance chimique	0-14 Ph sauf métaux alcalins en fusion- fluorure gazeux Tri fluorure de chlore
Composition	100% PTFE pur
Résistance au vieillissement	bonne (ne se dégrade pas)

Applications

- *Joints sur équipements industriels et de laboratoire*
- *Joints sur bride en verre céramique ou résine synthétique*
- *Joints sur bride de tuyauteries pour vapeur, hydrocarbures et fluides agressifs en général*
- *Joints pour coque de bateaux en résine de verre*
- *Joints pour l'industrie cryogénique*
- *Joints pour industries chimiques ou alimentaires.*

Caratteristiche:

- Inerzia chimica
- Inalterabile nel tempo (nessuna degradazione nel tempo)
- Inodore e insapore fino a 270°
- Inattaccabile da agenti corrosivi assicura una perfetta tenuta alla pressione e alla temperatura.
- Soffice e flessibile si adatta a superfici rugose e disassate.
- Indicata per tenuta in presenza di prodotti chimici idrocarburi, acidi e vapore.

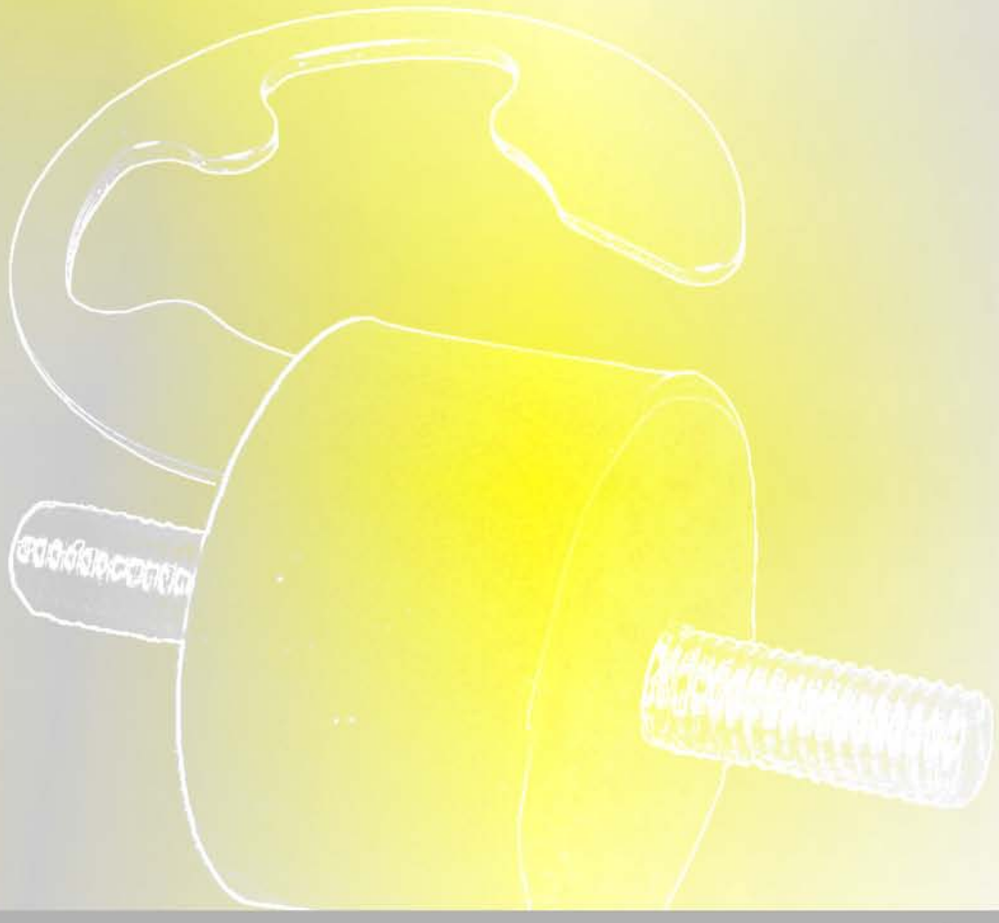
Colore	Bianco
Temperatura	-240 +280°C
Pressione	210 BAR
Resistenza chimica	0-14 Ph eccetto metalli alcalini fusi - fluoruro gassoso trifluoruro di cloro
Composizione	100% PTFE puro
Res. invecchiamento	ottima (non degrada)

Applicazioni

- Guarnizione su apparecchiature industriali e di laboratorio
- Guarnizioni su flange in vetro ceramica o resina sintetica
- Guarnizioni su flange di tubazioni per vapore, idrocarburi e fluidi aggressivi in genere
- Gaurnizioni per gusci di motoscafi in vetroresina
- Guarnizioni per l'industria criogenica
- Guarnizioni in industrie chimiche o alimentari.

mori s.p.a.

take care of your business

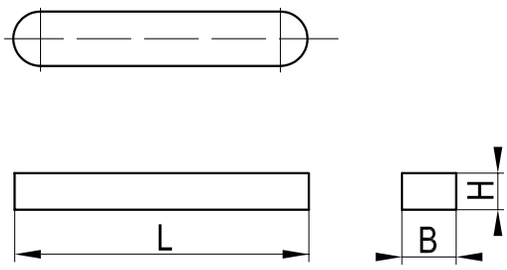


components

composants divers

componenti vari

Keys
Clavettes
Chiavette



Cod.	BxHxL
1301170002	3x3x35
1301170001	3x3x20
1301170006	4x4x50
1301170005	4x4x45
1301170066	4x4x35
1301170065	4x4x30
1301170064	4x4x25
1301170004	4x4x20
1301170063	4x4x15
1301170003	4x4x12
1301170013	5x5x70
1301170012	5x5x55
1301170011	5x5x50
1301170010	5x5x40
1301170009	5x5x35
1301170008	5x5x30
1301170068	5x5x25
1301170007	5x5x20
1301170067	5x5x15
1301170022	6x6x65
1301170021	6x6x50
1301170071	6x6x45
1301170020	6x6x40
1301170019	6x6x35
1301170018	6x6x30
1301170017	6x6x25
1301170016	6x6x20
1301170070	6x6x20
1301170069	6x6x15
1301170015	6x4x35
1301170014	6x4x25
1301170037	8x8x100
1301170034	8x7x80
1301170033	8x7x70
1301170032	8x7x65
1301170031	8x7x60

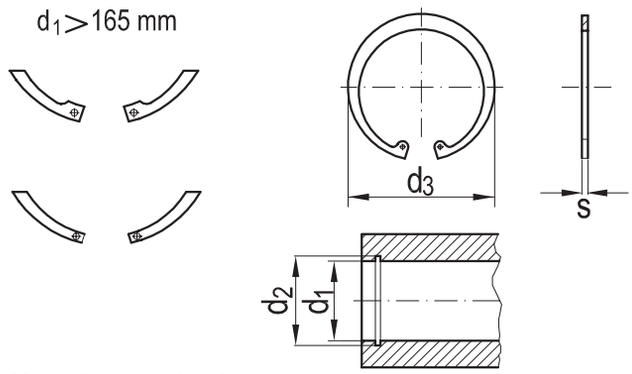
Cod.	BxHxL
1301170073	8x7x55
1301170030	8x7x50
1301170029	8x7x45
1301170028	8x7x40
1301170027	8x7x35
1301170026	8x7x30
1301170025	8x7x25
1301170024	8x7x20
1301170072	8x7x15
1301170036	8X7x120
1301170035	8x7x100
1301170023	8x5x40
1301170061	10x8x90
1301170060	10x8x80
1301170059	10x8x70
1301170058	10x8x60
1301170076	10x8x55
1301170057	10x8x50
1301170056	10x8x40
1301170055	10x8x35
1301170075	10x8x30
1301170074	10x8x25
1301170077	10x8x120
1301170062	10x8x100
1301170038	10x6x40
1301170079	10x10x40
1301170078	10x10x30
1301170091	12x8x90
1301170090	12x8x80
1301170089	12x8x70
1301170088	12x8x60
1301170087	12x8x55
1301170040	12x8x50
1301170086	12x8x45
1301170085	12x8x40
1301170084	12x8x35

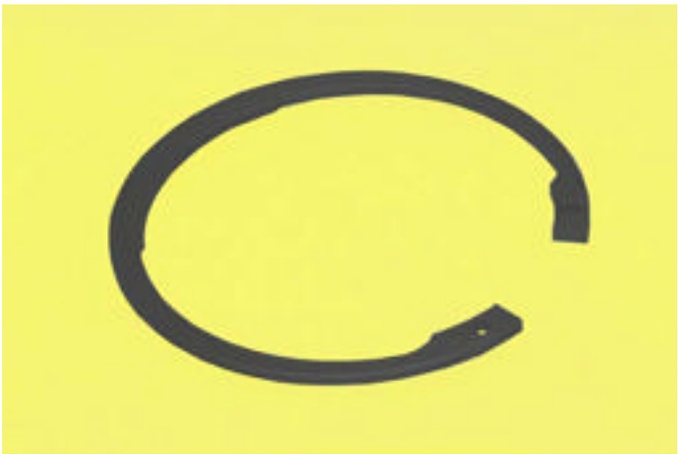
Components
Composants divers
Componenti vari

Cod.	BxHxL
1301170083	12x8x30
1301170039	12x8x25
1301170082	12x8x20
1301170081	12x8x16
1301170043	12x8x140
1301170042	12x8x120
1301170041	12x8x100
1301170080	12x6x70
1301170045	14x9x80
1301170044	14x9x60
1301170046	14x9x150
1301170095	16x16x110
1301170048	16x10x70
1301170047	16x10x40

Cod.	BxHxL
1301170049	16x10x160
1301170094	16x10x150
1301170093	16x10x130
1301170092	16x10x100
1301170050	18x11x70
1301170096	18x11x50
1301170051	18x11x200
1301170098	18x11x120
1301170097	18x11x100
1301170053	20x12x90
1301170099	20x12x50
1301170052	20x12x30
1301170054	20x12x200
1301170100	20x12x140

Retaining rings
Anneaux d'arrêt
Anelli di arresto





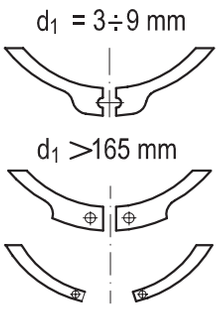
Manufacturer's choice
Au choix du constructeur
A scelta del costruttore

Cod.	Descr.
1301010007	9 i
1301010008	10 i
1301010009	11 i
1301010010	12 i
1301010011	13 i
1301010012	14 i
1301010013	15 i
1301010014	16 i
1301010015	17 i
1301010016	18 i
1301010017	19 i
1301010018	20 i
1301010019	21 i
1301010020	22 i
1301010021	23 i
1301010022	24 i
1301010023	25 i
1301010024	26 i
1301010025	27 i
1301010026	28 i
1301010027	29 i
1301010028	30 i
1301010029	31 i
1301010030	32 i
1301010031	33 i
1301010032	34 i
1301010033	35 i
1301010034	36 i
1301010035	37 i
1301010036	38 i
1301010037	39 i
1301010038	40 i
1301010039	41 i

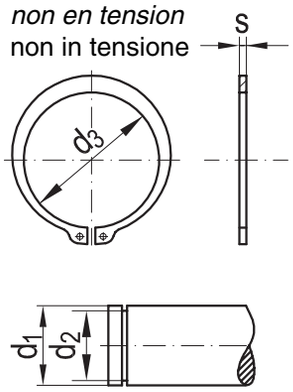
Cod.	Descr.
1301010040	42 i
1301010041	43 i
1301010042	44 i
1301010043	45 i
1301010044	46 i
1301010045	47 i
1301010046	48 i
1301010047	49 i
1301010048	50 i
1301010049	51 i
1301010050	52 i
1301010051	53 i
1301010052	54 i
1301010053	55 i
1301010054	56 i
1301010055	57 i
1301010056	58 i
1301010057	60 i
1301010058	61 i
1301010059	62 i
1301010060	63 i
1301010061	64 i
1301010062	65 i
1301010063	66 i
1301010064	67 i
1301010065	68 i
1301010066	69 i
1301010067	70 i
1301010068	72 i
1301010069	73 i
1301010070	75 i
1301010071	77 i
1301010072	78 i

Cod.	Descr.
1301010073	80 i
1301010074	82 i
1301010075	85 i
1301010076	87 i
1301010077	88 i
1301010078	89 i
1301010079	90 i
1301010080	92 i
1301010081	95 i
1301010082	97 i
1301010083	98 i
1301010084	100 i
1301010085	102 i
1301010086	105 i
1301010087	106 i
1301010088	107 i
1301010089	108 i
1301010090	110 i
1301010091	112 i
1301010093	115 i
1301010094	117 i
1301010095	118 i
1301010096	120 i
1301010097	122 i
1301010098	123 i
1301010099	124 i
1301010100	125 i
1301010102	127 i
1301010103	128 i
1301010104	130 i
1301010105	132 i
1301010106	135 i
1301010107	137 i
1301010108	138 i
1301010109	140 i
1301010110	142 i
1301010111	145 i
1301010112	147 i
1301010113	148 i
1301010114	150 i
1301010115	152 i
1301010116	155 i
1301010117	157 i

Cod.	Descr.
1301010118	158 i
1301010119	160 i
1301010120	162 i
1301010121	165 i
1301010122	167 i
1301010123	168 i
1301010124	170 i
1301010125	172 i
1301010126	175 i
1301010127	177 i
1301010128	178 i
1301010129	180 i
1301010130	182 i
1301010131	185 i
1301010132	187 i
1301010133	188 i
1301010134	190 i
1301010135	192 i
1301010136	195 i
1301010137	197 i
1301010138	198 i
1301010139	200 i
1301010140	202 i
1301010141	205 i
1301010142	210 i
1301010143	215 i
1301010144	220 i
1301010145	225 i
1301010146	230 i
1301010147	235 i
1301010148	240 i
1301010149	245 i
1301010150	250 i
1301010151	255 i
1301010152	260 i
1301010153	265 i
1301010154	270 i
1301010155	275 i
1301010156	280 i
1301010157	285 i
1301010158	290 i
1301010159	295 i
1301010160	300 i



not in tension
non en tension
non in tensione



Manufacturer's choice
Au choix du constructeur
A scelta del costruttore

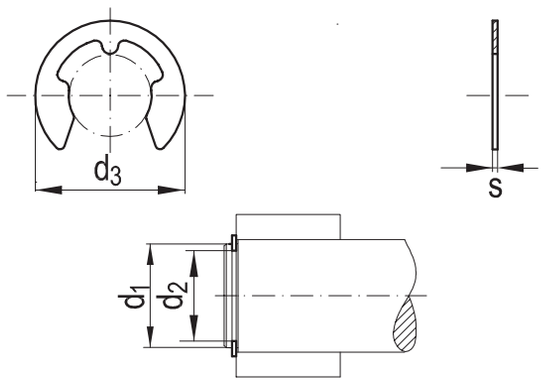
Cod.	Descr.
1301020001	3 e
1301020002	4 e
1301020003	5 e
1301020004	6 e
1301020005	7 e
1301020006	8 e
1301020007	9 e
1301020008	10 e
1301020009	11 e
1301020010	12 e
1301020011	13 e
1301020012	14 e
1301020013	15 e
1301020014	16 e
1301020015	17 e
1301020016	18 e
1301020017	19 e
1301020018	20 e
1301020019	21 e
1301020020	22 e
1301020021	23 e
1301020022	24 e
1301020023	25 e
1301020024	26 e
1301020025	27 e
1301020026	28 e
1301020027	29 e
1301020028	30 e
1301020029	31 e
1301020030	32 e
1301020031	33 e
1301020032	34 e
1301020033	35 e
1301020034	36 e

Cod.	Descr.
1301020035	37 e
1301020036	38 e
1301020037	39 e
1301020038	40 e
1301020039	41 e
1301020040	42 e
1301020041	43 e
1301020042	44 e
1301020043	45 e
1301020044	46 e
1301020045	47 e
1301020046	48 e
1301020048	50 e
1301020050	52 e
1301020052	54 e
1301020053	55 e
1301020054	56 e
1301020055	57 e
1301020056	58 e
1301020057	60 e
1301020059	62 e
1301020060	63 e
1301020062	65 e
1301020064	67 e
1301020065	68 e
1301020067	70 e
1301020068	72 e
1301020070	75 e
1301020071	77 e
1301020072	78 e
1301020073	80 e
1301020074	82 e
1301020075	85 e
1301020076	87 e

Components
Composants divers
Componenti vari

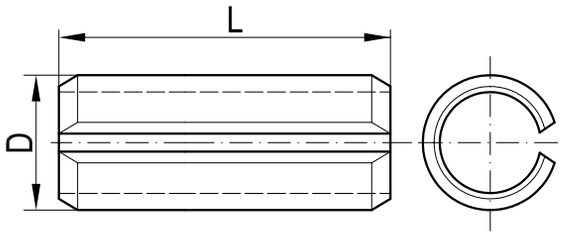
Cod.	Descr.
1301020077	88 e
1301020079	90 e
1301020080	92 e
1301020081	95 e
1301020082	97 e
1301020083	98 e
1301020084	100 e
1301020085	102 e
1301020086	105 e
1301020088	107 e
1301020089	108 e
1301020090	110 e
1301020091	112 e
1301020093	115 e
1301020094	117 e
1301020095	118 e
1301020096	120 e
1301020097	122 e
1301020100	125 e
1301020102	127 e
1301020103	128 e
1301020104	130 e
1301020105	132 e
1301020106	135 e
1301020107	137 e
1301020108	138 e
1301020109	140 e
1301020110	142 e
1301020111	145 e
1301020112	147 e
1301020113	148 e
1301020114	150 e
1301020115	152 e
1301020116	155 e
1301020117	157 e
1301020118	158 e
1301020119	160 e
1301020120	162 e
1301020121	165 e

Cod.	Descr.
1301020122	167 e
1301020123	168 e
1301020124	170 e
1301020125	172 e
1301020126	175 e
1301020127	177 e
1301020128	178 e
1301020129	180 e
1301020130	182 e
1301020131	185 e
1301020132	187 e
1301020133	188 e
1301020134	190 e
1301020135	192 e
1301020136	195 e
1301020137	197 e
1301020138	198 e
1301020139	200 e
1301020140	202 e
1301020141	205 e
1301020142	210 e
1301020143	215 e
1301020144	220 e
1301020145	225 e
1301020146	230 e
1301020147	235 e
1301020148	240 e
1301020149	245 e
1301020150	250 e
1301020151	255 e
1301020152	260 e
1301020153	265 e
1301020154	270 e
1301020155	275 e
1301020156	280 e
1301020157	285 e
1301020158	290 e
1301020159	295 e
1301020160	300 e



Cod.	Descr.
1301030001	1500 0,8
1301030002	1500 1,2
1301030003	1500 1,5
1301030004	1500 1,9
1301030005	1500 2,3
1301030006	1500 3,2
1301030007	1500 4
1301030008	1500 5
1301030009	1500 6
1301030010	1500 7
1301030011	1500 8
1301030012	1500 9
1301030013	1500 10
1301030014	1500 12
1301030015	1500 15
1301030016	1500 19
1301030017	1500 24

Elastic pins
Goupilles élastiques
Spine elastiche



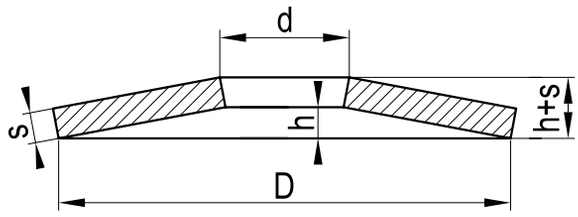
Cod.	DxL
1301160001	2x10
1301160002	2x20
1301160003	2x30
1301160004	2,5x12
1301160005	2,5x30
1301160006	3x8
1301160007	3x20
1301160008	3x25
1301160009	3x30
1301160010	3x40
1301160011	3,5x10
1301160012	3.5x20
1301160013	3,5x30
1301160014	4x10
1301160015	4x20
1301160016	4x30
1301160017	4x36
1301160018	4x40
1301160019	4x50
1301160020	4x60
1301160021	4x70
1301160022	5x16
1301160023	5x20
1301160024	5x30
1301160025	5x32
1301160026	5x40
1301160027	5x50
1301160028	5x55
1301160029	5x60
1301160030	5x65
1301160031	5x75
1301160032	5x80
1301160033	6x16
1301160034	6x20
1301160035	6x25

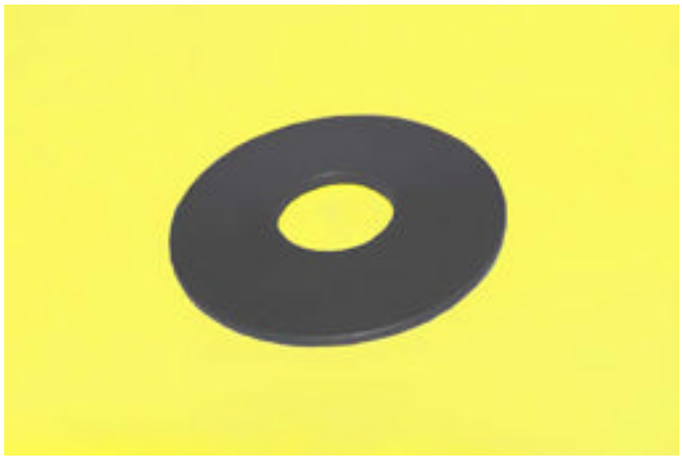
Cod.	DxL
1301160036	6x30
1301160037	6x35
1301160038	6x40
1301160039	6x50
1301160040	6x60
1301160041	6x75
1301160042	6x100
1301160043	8x20
1301160044	8x30
1301160045	8x40
1301160046	8x50
1301160047	8x60
1301160048	8x70
1301160049	8x100
1301160050	10x20
1301160051	10x30
1301160052	10x32
1301160053	10x40
1301160054	10x50
1301160055	10x60
1301160056	10x70
1301160057	10x100
1301160058	12x20
1301160059	12x30
1301160060	12x32
1301160061	12X35
1301160062	12x40
1301160063	12x50
1301160064	12x60
1301160065	12x100
1301160066	14x100
1301160067	16x26
1301160068	16x100
1301160069	2x40
1301160070	2,5x50

Cod.	DxL
1301160071	3x10
1301160072	3x50
1301160073	7x90
1301160074	8x80
1301160075	10x80
1301160076	12x26

Cod.	DxL
1301160077	12x70
1301160078	12x80
1301160079	12x120
1301160080	16x40
1301160081	16x80

Disc springs
Ressorts à godet
Molle a tazza

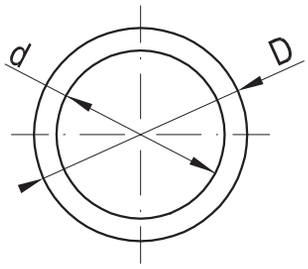


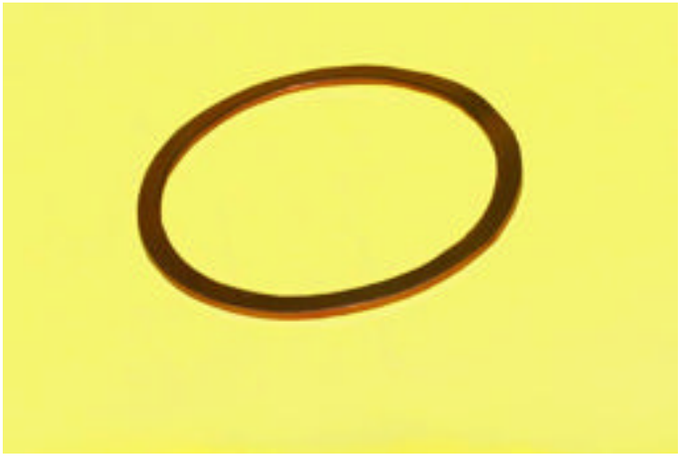


Cod.	dxDxs
1301180004	6,2x18x0,5
1301180005	6,2x18x0,7
1301180001	6,2x12,5x0,5
1301180029	6,2x9,8x0,2
1301180030	7,2x12,8x0,25
1301180002	8,2x16x0,6
1301180003	8,2x16x0,9
1301180006	8,2x20x0,9
1301180031	8,2x15,8x0,25
1301180032	9,2x18,8x0,3
1301180007	10,2x20x0,8
1301180033	10,2x18,8x0,35
1301180009	12,2x23x1,25
1301180008	11,2x22,5x0,8
1301180016	12,3x34x1,25
1301180011	12,2x25x1,5
1301180012	12,2x28x1,5
1301180017	12,3x34x1,5
1301180010	12,2x25x0,9
1301180034	12,3x21,8x0,35
1301180013	14,2x28x1,5
1301180020	14,3x40x1,5
1301180035	14,3x23,7x0,4
1301180036	14,3x25,7x0,4
1301180018	16,3x34x2

Cod.	dxDxs
1301180014	16,3x31,5x1,25
1301180015	16,3x31,5x1,75
1301180037	17,3x27,7x0,4
1301180038	17,4x29,7x0,4
1301180019	18,3x35,5x1,25
1301180021	20,4x40x1,5
1301180022	20,4x40x2,5
1301180027	20,5x60x2,5
1301180040	20,4x34,6x0,4
1301180039	20,4x31,7x0,4
1301180042	20,4x36,6x0,5
1301180023	22,4x45x1,75
1301180041	22,4x34,6x0,5
1301180025	25,4x50x3
1301180024	25,4x50x1,25
1301180043	25,5x39,6x0,5
1301180044	25,5x41,6x0,5
1301180026	28,5x56x2
1301180028	31x63x2,5
1301180045	30,5x46,5x0,6
1301180046	35,5x51,5x0,6
1301180047	40,5x54,5x0,6
1301180048	40,5x61,5x0,7
1301180049	50,5x67,5x0,7

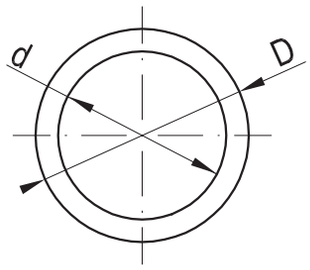
Copper washers
Rondelles en cuivre
Rondelle rame

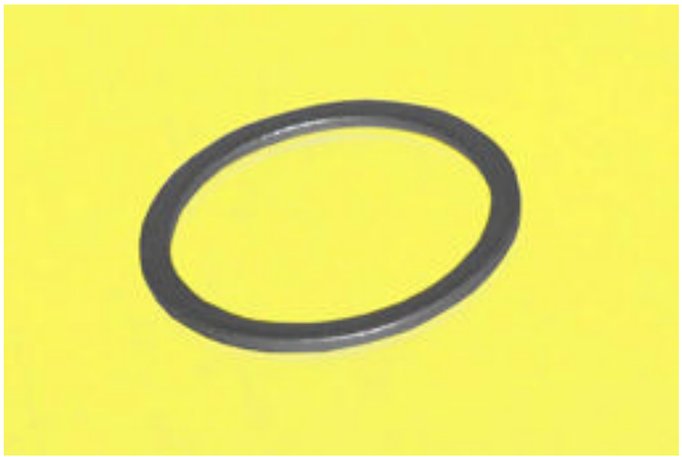




Cod.	dxD
1306140001	RONDELLA RA 6x10
1306140002	RONDELLA RA 6x12
1306140004	RONDELLA RA 8x14
1306140006	RONDELLA RA 10x14
1306140007	RONDELLA RA 10x16
1306140008	RONDELLA RA 10x18
1306140011	RONDELLA RA 12x18
1306140014	RONDELLA RA 13x19
1306140017	RONDELLA RA 14x20
1306140020	RONDELLA RA 16x22
1306140024	RONDELLA RA 17x23
1306140026	RONDELLA RA 18x24
1306140028	RONDELLA RA 20x26
1306140032	RONDELLA RA 21,5x27
1306140034	RONDELLA RA 22x26
1306140035	RONDELLA RA 22x28
1306140038	RONDELLA RA 24x30
1306140040	RONDELLA RA 26,5x32
1306140041	RONDELLA RA 27x33
1306140042	RONDELLA RA 28x34
1306140043	RONDELLA RA 30x36
1306140044	RONDELLA RA 33,5x40
1306140045	RONDELLA RA 36x42
1306140046	RONDELLA RA 42x50
1306140047	RONDELLA RA 48x56

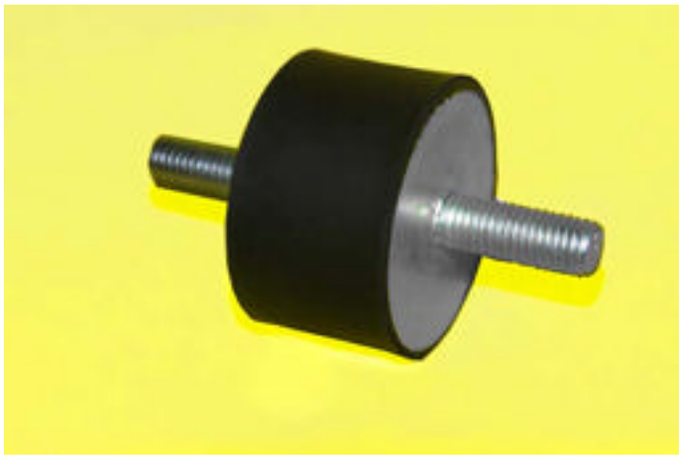
Aluminium washers
Rondelles aluminium
Rondelle alluminio





Cod.	dxD
1306150001	6x10
1306150002	6x12
1306150004	8x14
1306150006	10x14
1306150007	10x16
1306150008	10x18
1306150011	12x18
1306150014	13,5x18
1306150017	14x20
1306150020	16x22
1306150024	17x23
1306150026	18x24
1306150028	20x26
1306150032	21,5x27
1306150034	22x26
1306150035	22x28
1306150038	24x30
1306150040	26,5x32
1306150041	27x33
1306150042	28x34
1306150043	30x36
1306150045	36x42
1306150046	42x50
1306150047	48x56

MM Anti-vibration mountings = Male/Male
Antivibratoires MM = Male/Male
Antivibranti MM = Maschio/Maschio



Type	Outside diameter	Rubber thickness	Screw diameter	Screw length
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Longueur vis*
Tipo	Diametro esterno	Spessore gomma	Diametro vite	Lunghezza vite
MM	10	10	M4	10
MM	10	15	M4	10
MM	15	8	M4	14
MM	15	10	M4	14
MM	15	15	M4	14
MM	15	20	M4	14
MM	15	30	M4	14
MM	20	8.5	M6	16
MM	20	10	M6	16
MM	20	15	M6	16
MM	20	17	M6	16
MM	20	20	M6	16
MM	20	25	M6	16
MM	20	30	M6	16
MM	25	10	M6	18
MM	25	15	M6	18
MM	25	20	M6	18
MM	25	25	M6	18
MM	25	30	M6	18
MM	25	35	M6	18
MM	25	40	M6	18
MM	30	10	M8	23
MM	30	15	M8	23
MM	30	20	M8	23
MM	30	25	M8	23
MM	30	30	M8	23
MM	30	35	M8	23
MM	30	40	M8	23
MM	40	15	M8	23
MM	40	20	M8	23
MM	40	25	M8	23
MM	40	28	M8	23
MM	40	30	M8	23

Type	Outside diameter	Rubber thickness	Screw diameter	Screw length
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Longueur vis*
Tipo	Diametro esterno	Spessore gomma	Diametro vite	Lunghezza vite
MM	40	35	M8	23
MM	40	40	M8	23
MM	50	20	M10	25
MM	50	25	M10	25
MM	50	30	M10	25
MM	50	35	M10	25
MM	50	40	M10	25
MM	50	45	M10	25
MM	50	50	M10	25
MM	60	30	M10	25
MM	60	40	M10	25
MM	60	50	M10	25
MM	70	30	M10	28
MM	70	35	M10	25
MM	70	40	M10	25
MM	70	50	M10	25
MM	70	70	M10	25
MM	75	25	M12	37
MM	75	30	M12	37
MM	75	35	M12	37
MM	75	40	M12	37
MM	75	45	M12	37
MM	75	50	M12	37
MM	75	55	M12	37
MM	75	60	M12	37
MM	100	30	M16	45
MM	100	40	M16	45
MM	100	45	M16	45
MM	100	50	M16	45
MM	100	55	M16	45
MM	100	60	M16	45
MM	100	75	M16	45
MM	100	100	M16	45

MF = Male/Female
MF = Male/Femelle
MF = Maschio/Femmina

Type	Outside diameter	Rubber thickness	Screw diameter	Screw length	Bore depth
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Longueur vis*	*Prof. trou*
Tipo	Diam. esterno	Spessore gomma	Diam. vite	Lungh. vite	Prof. foro
MF	10	10	M4	10	4
MF	10	15	M4	10	4
MF	15	10	M4	14	4
MF	15	15	M4	14	4
MF	15	20	M4	14	4
MF	20	15	M6	16	6
MF	20	20	M6	16	6
MF	20	25	M6	16	6
MF	25	15	M6	18	6
MF	25	20	M6	18	6
MF	25	25	M6	18	6
MF	25	30	M6	18	6
MF	25	35	M6	18	6
MF	25	40	M6	18	6
MF	30	15	M8	23	6
MF	30	20	M8	23	6
MF	30	25	M8	23	10
MF	30	30	M8	23	10
MF	30	40	M8	23	10
MF	40	20	M8	23	6
MF	40	25	M8	23	6
MF	40	30	M8	23	10
MF	40	35	M8	23	10
MF	40	40	M8	23	10
MF	40	20	M10	25	6
MF	40	30	M10	25	9
MF	40	40	M10	25	9
MF	50	20	M10	25	9

Type	Outside diameter	Rubber thickness	Screw diameter	Screw length	Bore depth
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Longueur vis*	*Prof. trou*
Tipo	Diam. esterno	Spessore gomma	Diam. vite	Lungh. vite	Prof. foro
MF	50	25	M10	25	9
MF	50	30	M10	25	9
MF	50	35	M10	25	9
MF	50	40	M10	25	9
MF	50	45	M10	25	9
MF	50	50	M10	25	9
MF	60	30	M10	35	9
MF	60	40	M10	35	9
MF	60	50	M10	35	9
MF	70	25	M10	25	9
MF	70	30	M10	25	9
MF	70	40	M10	25	9
MF	70	45	M10	25	9
MF	70	50	M10	25	9
MF	70	70	M10	25	9
MF	75	30	M12	37	9
MF	75	35	M12	37	9
MF	75	40	M12	37	9
MF	75	45	M12	37	9
MF	75	50	M12	37	9
MF	75	55	M12	37	9
MF	100	40	M16	45	16
MF	100	50	M16	45	16
MF	100	55	M16	45	16
MF	100	60	M16	45	16
MF	100	80	M16	45	16
MF	100	100	M16	45	16

FF = Female/Female
FF = Femelle/Femelle
FF = Femmina/Femmina

Type	Outside diameter	Rubber thickness	Screw diameter	Bore depth
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Profondeur trou*
Tipo	Diam. esterno	Spessore gomma	Diam. vite	Profondità foro
FF	15	15	M4	4
FF	15	20	M4	4
FF	15	30	M4	4
FF	20	15	M6	4
FF	20	20	M6	6
FF	20	25	M6	6
FF	20	30	M6	6
FF	25	20	M6	6
FF	25	25	M6	6
FF	25	30	M6	6
FF	25	35	M6	6
FF	25	40	M6	6
FF	30	20	M8	6
FF	30	25	M8	6
FF	30	30	M8	10
FF	30	35	M8	10
FF	30	40	M8	10
FF	40	25	M8	6
FF	40	30	M8	10
FF	40	35	M8	10
FF	40	40	M8	10

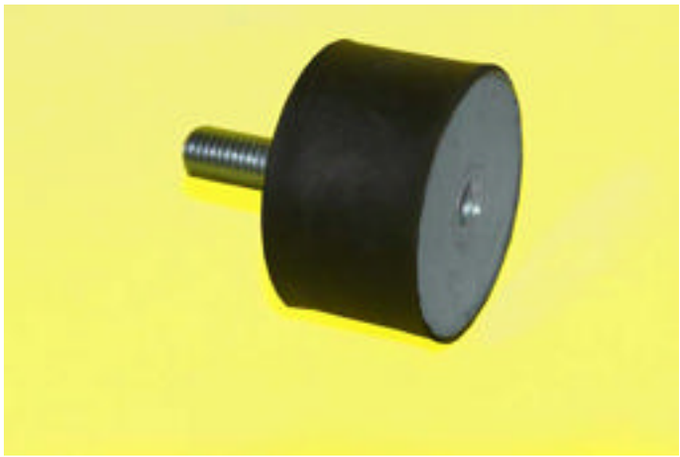
Type	Outside diameter	Rubber thickness	Screw diameter	Bore depth
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Profondeur trou*
Tipo	Diam. esterno	Spessore gomma	Diam. vite	Profondità foro
FF	40	30	M10	9
FF	40	40	M10	9
FF	50	30	M10	9
FF	50	35	M10	9
FF	50	40	M10	9
FF	50	45	M10	9
FF	50	50	M10	9
FF	60	40	M12	9
FF	60	50	M12	9
FF	70	40	M12	9
FF	70	50	M12	9
FF	75	40	M12	13
FF	75	50	M12	13
FF	75	60	M12	13
FF	100	45	M16	14
FF	100	50	M16	14
FF	100	55	M16	14
FF	100	60	M16	14
FF	100	75	M16	14
FF	100	80	M16	14
FF	100	100	M16	14

PM = Foot/Male
PM = Pied/Male
PM = Piedino/Maschio

Type	Outside diameter	Rubber thickness	Screw diameter	Screw length
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Longueur vis*
Tipo	Diam. esterno	Spessore gomma	Diam. vite	Lunghezza vite
PM	10	15	M4	10
PM	15	10	M4	14
PM	15	15	M4	14
PM	15	20	M4	14
PM	15	30	M4	14
PM	20	8.5	M6	16
PM	20	10	M6	16
PM	20	15	M6	16
PM	20	20	M6	16
PM	20	25	M6	16
PM	20	30	M6	16
PM	25	10	M6	18
PM	25	15	M6	18
PM	25	17	M6	18
PM	25	20	M6	18
PM	25	25	M6	18
PM	25	30	M6	18
PM	25	40	M6	18
PM	30	15	M8	23
PM	30	20	M8	23
PM	30	25	M8	23
PM	30	30	M8	23
PM	30	40	M8	23
PM	40	15	M8	23
PM	40	20	M8	23
PM	40	25	M8	23
PM	40	30	M8	23
PM	40	35	M8	23
PM	40	40	M8	23

Type	Outside diameter	Rubber thickness	Screw diameter	Screw length
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Longueur vis*
Tipo	Diam. esterno	Spessore gomma	Diam. vite	Lunghezza vite
PM	50	20	M10	25
PM	50	25	M10	25
PM	50	30	M10	25
PM	50	35	M10	25
PM	50	40	M10	25
PM	50	45	M10	25
PM	50	50	M10	25
PM	60	30	M12	37
PM	60	40	M12	37
PM	60	50	M12	37
PM	70	30	M10	35
PM	70	40	M10	35
PM	70	50	M10	35
PM	70	40	M12	37
PM	70	50	M12	37
PM	75	25	M12	37
PM	75	30	M12	37
PM	75	35	M12	37
PM	75	40	M12	37
PM	75	45	M12	37
PM	75	50	M12	37
PM	75	55	M12	37
PM	100	40	M16	57
PM	100	50	M16	57
PM	100	60	M16	57
PM	100	70	M16	57
PM	100	80	M16	57
PM	100	100	M16	57

PF = Foot/Female
PF = Pied/Femelle
PF = Piedino/Femmina



Type	Outside diameter	Rubber thickness	Screw diameter	Bore depth
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Profondeur trou*
Tipo	Diam. esterno	Spessore gomma	Diam. vite	Profondità foro
PF	10	10	M4	4
PF	15	15	M4	4
PF	15	30	M4	4
PF	20	20	M6	6
PF	20	25	M6	6
PF	25	15	M6	6
PF	25	20	M6	6
PF	25	25	M6	6
PF	25	30	M6	6
PF	30	20	M8	6
PF	30	25	M8	6
PF	30	30	M8	6

Type	Outside diameter	Rubber thickness	Screw diameter	Bore depth
Type	*Diamètre externe*	*Épaisseur caoutchouc*	*Diamètre vis*	*Profondeur trou*
Tipo	Diam. esterno	Spessore gomma	Diam. vite	Profondità foro
PF	40	30	M8	6
PF	40	40	M8	6
PF	50	20	M10	9
PF	50	30	M10	9
PF	50	40	M10	9
PF	50	50	M10	9
PF	75	25	M12	9
PF	75	40	M12	9
PF	75	50	M12	9
PF	100	40	M16	14
PF	100	60	M16	14
PF	100	80	M16	14

mori s.p.a.

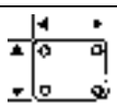
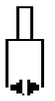
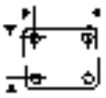
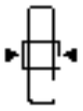
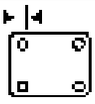
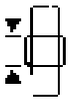
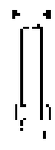
take care of your business

industrial wheels

roues indusrielles

ruote industriali

Symbols
Symbologie de tables
Simbologia tabelle

	Castor width *Longueur du moyeu* Luce supporto		**Threaded stem dimension** *Diamètre de la tige filetée* Diametro perno filettato		**Wheel diameter** *Diamètre roue* Diametro ruota
	**Top plate size** *Dimension de la platine* Dimensione piastra		**Castor width** *Longueur du moyeu* Luce supporto		**Threaded stem dimension** *Diamètre de la tige filetée* Diametro perno filettato
	Band width *Largeur du bandage* Larghezza fascia		**Holes spacing** *Entraxes des trous de fixation* Interasse fori		**Hub width** *Longueur du moyeu* Mozzo
	Threaded stem dimensions *Dimenisons de la tige filetèe* Dimensioni perno filettato		**Overall height** *Hauteur totale* Altezza utile		**Holes diameter** *Dimension des trous* Dimensione fori
	**Hub diameter** *Diamètre du moyeu* Diametro mozzo		**Rubber expantion caoutchouc** *Dimensions expansion caoutchouc* Dimensioni espansione gomma		**Overall height** *Hauteur totale* Altezza utile
	Offset *Déport* Disassamento		**Bearing place** *Siège sans roulement* Sede cuscinetti		**Overall height** *Hauteur totale* Altezza utile
	Offset *Déport* Disassamento		**Hub bore** *Diamètre du trou* Diametro foro		**Metallic expansion dimension** *Dimensions expansion métallique* Dimensioni espansione metallica
	Overall height *Hauteur totale* Altezza utile		**Offset** *Déport* Disassamento		**Through hole diameter** *Diamètre de l'oeil* Diametro foro passante
	Load Capacity *Charge utile* Portata		**Overall height** *Hauteur totale* Altezza utile		**Offset** *Déport* Disassamento
	Through hole diameter *Diamètre de l'oeil* Diametro foro passante		**Weight** *Poids* Peso		**Overall height** *Hauteur totale* Altezza utile
	Offset *Déport* Disassamento		**Stem dimensions** *Dimensions de la tige* Dimensione perno		**Overall height** *Hauteur totale* Altezza utile
	Offset *Déport* Disassamento		**Stem dimensions** *Dimensions de la tige* Dimensione perno		**Stem dimensions** *Dimensions de la tige* Dimensioni perno

81/PN pneumatic wheel
Pneumatiques 81/PN
Pneumatiche 81/PN

Pneumatic wheel with air chamber, plastic material core, plain bore hub and slide bearings.
Working temperature: -20°C/+60°C

Roue pneumatique avec chambre à air, disque en matériau thermoplastique, moyeu à trou lisse et à roulements à rouleaux.
Températures d'utilisation: entre -20°C et +60°C.

Ruota pneumatica con camera d'aria, disco in materiale termoplastico, mozzo a foro liscio o a cuscinetti a rulli.
Temperature d'impiego: tra -20°C e +60°C

∅		**Roller** *Rouleau* Rullo	**Roller** *Rouleau* Rullo	**Bushing** *Douille* Boccola	**Bushing** *Douille* Boccola	kg	
200	50	60	20	60	20	75	0.520
260	85	75	20	75	20	180	1.000
400	100	75	25	75	25	200	2.500

81 Rubber
Caoutchouc 81
Gomma 81

Black rubber wheel with sheet steel flanges, nylon bushing hub, slide and ball bearings.
Working temperature: -20°C/+60°C

Roue en caoutchouc noir, bride en tôle d'acier, moyeu sur douille nylon, roulements à rouleaux et roulements à sphères.
Températures d'utilisation: entre -20°C et +60°C

Ruota in gomma nera, flange in lamiera d'acciaio, mozzo su boccola nylon, cuscinetti a rulli e cuscinetti a sfere.
Temperature d'impiego: tra -20°C e +60°C.

∅		**Rollers** *Rouleaux* Rulli	**Roller upon request** *Rouleau sur demande* Rullo a richiesta	**Rollers** *Rouleaux* Rulli	**Roller upon request** *Rouleaux sur demande* Rulli a richiesta	**Bushing** *Douille* Boccola	**Bushing upon request** *Douille sur demande* Boccola a richiesta	**Bushing** *Douille* Boccola	**Bearing** *Roulement* Cuscinetto	**Bearing** *Roulement* Cuscinetto	**kg.**	**Mass** *Masse* Massa
80	30	39	-	12	-	39	-	15	37.5	8	75	0.250
100	30	39	-	12	-	39	-	15	37.5	8	90	0.350
125	37.5	49	45	15	-	49	45	15	47.5	10	130	0.550
140	37.5	49	45	20	-	49	-	20	49	12	150	0.710
150	37.5	49	45	20	-	49	-	20	49	12	160	0.840
160	40	58	50	20	-	58	-	20	53.5	12	180	1.040
180	50	58	-	20	25	58	-	20	53.5	17	220	1.400
200	50	58	-	20	25	58	-	20	53.5	17	250	1.750
225	55	58	-	20	25	58	-	20	53.5	17	300	2.240
250	60	84	75	25	-	84	75	25	79	25	350	3.550
280	70	84	75	25	-	84	75	25	79	25	400	4.500

81 [51] Rubber
Caoutchouc 81 [51]
Gomma 81 [51]

Galvanized fixed plate support, medium duty; black rubber wheel with steel flanges.
Working temperature: -20°C/+60°C

Support à plaque fixe, série moyenne, zingué, roue en caoutchouc noir avec bride en acier.
Températures d'utilisation: entre -20°C et +60°C

Supporto a piastra fissa, serie media, zincato; ruota in gomma nera con flange in acciaio
Temperature d'impiego: tra -20°C e +60°C

∅							kg	
80	30	104	85x100	60x80	9	40	75	0.620
100	30	123	85x100	60x80	9	40	90	0.710
125	37.5	153	95x110	60x80	9	50	130	1.140
140	37.5	174	95x110	60x80	9	50	140	1.600
150	37.5	179	95x110	60x80	9	50	160	1.700
160	40	190	110x145	80x105	11	60	180	2.100
180	50	208	110x145	80x105	11	60	220	2.560
200	50	230	110x145	80x105	11	60	250	3.000
225	55	255	110x145	80x105	11	60	300	3.350
250	60	293	160x195	120x160	14	85	350	6.300
280	70	323	160x195	120x160	14	85	400	7.300

81 [50] Rubber
Caoutchouc 81 [50]
Gomma 81 [50]

Galvanized swivel plate support, medium duty; black rubber wheel with steel flanges.
Working temperature: -20°C/+60°C

Support à plaque tournante, série moyenne, zingué, roue en caoutchouc noir avec bride en acier.
Températures d'utilisation: entre -20°C et +60°C

Supporto a piastra girevole, serie media, zincato; ruota in gomma nera con flange in acciaio.
Temperature d'impiego: tra -20°C e +60°C

∅								**Upon request** *Sur demande* A richiesta	kg	
80	30	104	80x100	60x80	9	36	40	45	75	0.750
100	30	123	80x100	60x80	9	36	40	45	90	0.850
125	37.5	153	85x115	60x80	9	41	50	45	130	1.450
140	37.5	174	85x115	60x80	9	46	50	45	140	1.750
150	37.5	179	85x115	60x80	9	46	50	45	160	1.900
160	40	190	110x140	80x105	11	49	60	-	180	2.500
180	50	208	110x140	80x105	11	50	60	-	220	2.800
200	50	230	110x140	80x105	11	54	60	-	250	3.400
225	55	255	110x140	80x105	11	54	60	-	300	4.000
250	60	293	160x200	120x160	14	70	85	-	350	7.400
280	70	323	160x200	120x160	14	72	85	-	400	8.400

[350/FR] 81 Rubber
Caoutchouc 81 [350/FR]
Gomma 81 [350/FR]

Galvanized swivel plate support, light duty, with wheel locking device and swivel element; black rubber wheel with steel flanges.
Working temperature: -20°C/+60°C

Support à plaque tournante, série légère, zingué, avec dispositif de blocage roue et partie tournante, roue en caoutchouc noir avec bride en acier.
Températures d'utilisation: entre -20°C et +60°C

Supporto a piastra girevole, serie leggera, zincato, con dispositivo di bloccaggio ruota e parte rotante; ruota in gomma nera con flange in acciaio.
Temperature d'impiego: tra -20°C e +60°C

∅								**Upon request** *Sur demande* A richiesta	kg	
80	30	104	80x100	60x80	9	36	40	45	70	0.850
100	30	123	80x100	60x80	9	36	40	45	85	0.950
125	37.5	150	80x100	60x80	9	36	50	45	110	1.320
140	37.5	173	80x100	60x80	9	40	50	45	120	1.570
150	37.5	178	80x100	60x80	9	40	50	45	120	1.670
160	40	190	110x140	80x105	11	49	60	-	180	2.750
180	50	208	110x140	80x105	11	50	60	-	220	3.050
200	50	230	110x140	80x105	11	54	60	-	250	3.650
250	60	293	160x200	100x160	14	70	85	-	350	7.900
280	70	323	160x200	120x160	14	72	85	-	400	8.900

[352] 81 Rubber
Caoutchouc 81 [352]
Gomma 81 [352]

Galvanized swivel stem support, light duty; black rubber wheel with steel flanges.
Working temperature: -20°C/+60°C

Support à tige tournante, série légère, zingué, roue en caoutchouc noir avec bride en acier.
Températures d'utilisation: entre -20°C et +60°C

Supporto a perno girevole, serie leggera, zincato; ruota in gomma nera con flange in acciaio.
Temperature d'impiego: tra -20°C e +60°C

∅				**Threaded stem** *Tige filetee* Perno filettato	**Upon request** *Sur demande* A richiesta			**Upon request** *Sur demande* A richiesta	kg	
80	30	101	20x50	8-10-12-16	22x60 – 27x60	36	40	45	70	0.750
100	30	121	20x50	8-10-12-16	22x60 – 27x60	36	40	45	85	0.900
125	37.5	148	20x50	8-10-12-16	22x60 – 27x60	36	50	45	110	1.150
140	37.5	170	20x50	8-10-12-16	22x60 – 27x60	40	50	45	120	1.450
150	37.5	175	20x50	8-10-12-16	22x60 – 27x60	40	50	45	120	1.550
160	40	187	22x60	12-14-16	27x60	40	60	-	150	2.000
180	50	205	22x60	12-14-16	27x60	44	60	-	170	2.450
200	50	226	22x60	12-14-16	27x60	45	60	-	200	3.000
225	55	252	27x60	12-14-16	-	53	60	-	300	4.000
250	60	292	27x60	16-18-20	-	70	85	-	350	7.400
280	70	322	27x60	16-18-20	-	72	85	-	400	8.400

Furniture - 601/NG 601/NGG
Pour mobilier - 601/NG 601/NGG
Arredamento - 601/NG 601/NGG

Zinc-chromed pressed-steel plate support.
Black or grey rubber wheel with polypropylene core and through-hole hub.

Support tournant en acier imprimé, zinc-chrome.
Roue en caoutchouc noir ou gris avec noyau en propylène, moyeu à œillet.

Supporto rotante in acciaio stampato, zinco-cromato.
Ruota in gomma nera o grigia con nucleo in polipropilene, mozzo a foro passante.

111/NGR	**Wheel**	*Roue au détail*	Ruota sciolta
601/NG	**Plate**	*Plaque*	Piastra
602/NG	**Threaded stem**	*Tige filetée*	Perno filettato
603/NG	**Non-threaded stem**	*Tige lisse*	Perno liscio
604/NG	**Rubber expansion**	*Expansion caoutchouc*	Espansione gomma
606/NG	**Through hole**	*Œillet*	Foro passante
622/NG	**Fixed rig**	*Étrier fixe*	Staffa fissa

∅											kg
40	18	6	57	43x43	31x31	5,5	8MAx 15/30 10MAx 15/30	18-20 22-24	10	10	15
50	18	6	66	43x43	31x31	5,5	8MAx 15/30 10MAx 15/30	18-20 22-24	10	10	20
60	24	10	85	60x60	40x40	6,5	10MAx 25 12MAx 25	18-20 22-24	10	10	40
80	20	10	105	60x60	40x40	6,5	10MAx 25 12MAx 25	18-20 22-24	10	10	50
100	24	12	121	60x60	40x40	6,5	10MAx 25 12MAx 25	18-20 22-24	10	10	65

Furniture - 602/NG 602/NGG

Pour mobilier - 602/NG 602/NGG
Arredamento - 602/NG 602/NGG

Zinc-chromed pressed-steel swivel plate support.
Black or grey rubber wheel with polypropylene core and through-hole hub.

Support tournant en acier imprimé, zinc-chrome.
Roue en caoutchouc noir ou gris avec noyau en propylène, moyeu à œillet.

Supporto rotante in acciaio stampato, zinco-cromato.
Ruota in gomma nera o grigia con nucleo in polipropilene, mozzo a foro passante.

111/NGR	**Wheel**	*Roue au détail*	Ruota sciolta
601/NG	**Plate**	*Plaque*	Piastra
602/NG	**Threaded stem**	*Tige filetée*	Perno filettato
603/NG	**Non-threaded stem**	*Tige lisse*	Perno liscio
604/NG	**Rubber expansion**	*Expansion caoutchouc*	Espansione gomma
606/NG	**Through hole**	*Œillet*	Foro passante
622/NG	**Fixed rig**	*Étrier fixe*	Staffa fissa

∅											kg.
40	18	6	57	43x43	31x31	5,5	8MAx 15/30 10MAx 15/30	18-20 22-24	10	10	15
50	18	6	66	43x43	31x31	5,5	8MAx 15/30 10MAx 15/30	18-20 22-24	10	10	20
60	24	10	85	60x60	40x40	6,5	10MAx 25 12MAx 25	18-20 22-24	10	10	40
80	20	10	105	60x60	40x40	6,5	10MAx 25 12MAx 25	18-20 22-24	10	10	50
100	24	12	121	60x60	40x40	6,5	10MAx 25 12MAx 25	18-20 22-24	10	10	65

Polyurethane cast iron 840
Polyurethane fonte 840
Poliuretano ghisa 840

Polyurethane-covered wheel with cast-iron core and ball-bearing hub.
Working temperature: -30°C/+80°C

Roue avec noyau en fonte revêtu en polyuréthane, moyeu sur roulements à sphères.
Températures d'utilisation: entre -30°C et +80°C

Ruota con nucleo in ghisa rivestito in poliuretano, mozzo su cuscinetti a sfere.
Temperature d'impiego: tra -30°C e +80°C

∅			**Upon request** *Sur demande* A richiesta		**Upon request** *Sur demande* A richiesta			kg	
80x20	20	20	-	12	-	40	32x10	150	0.330
80x30	30	40	-	15	-	47	35x11	220	0.550
80x36	36	36	-	15	-	55	35x11	250	0.610
100x25	25	36	-	15	-	48	35x11	200	0.750
100x30	30	36	-	15	-	48	35x11	250	0.830
125x28	28	47	-	15	-	48	35x11	300	1.150
125x35	35	47	-	15	-	48	35x11	330	1.250
125x40	40	47	40-60	15	-	50	35x11	360	1.500
150x30	30	47	-	20	25	61	47x14	400	1.850
150x40	40	47	60	20	25	61	47x14	500	2.100
150x50	50	50	60	20	25	64	47x14	700	2.650
160x40	40	58	-	20	25	61	47x14	700	2.550
175x32	32	52	-	20	25	61	47x14	650	2.700
175x40	40	52	-	20	25	61	47x14	720	3.150
200x40	40	52	-	25	20	66	52x15	750	3.600
200x50L	50	52	-	25	20	66	52x15	900	3.700
200x50M	50	50	-	20	25	63	47x14	800	4.200
225x50	50	50	-	25	20	73	52x15	1000	5.300
250x50	50	65	60	25	20	76	52x15	1200	6.800

Polyurethane cast iron support 710

Polyurethane fonte supports 710

Poliuretano ghisa supporti 710

Galvanized swivel plate support, heavy duty; polyurethane-covered wheel with cast-iron core.
Working temperature: -30°C/+80°C

Support à plaque tournante, série lourde, zingué; roue avec noyau en fonte revêtu en polyuréthane.
Températures d'utilisation: entre -30°C et +80°C

Supporto a piastra girevole, serie pesante, zincato; ruota con nucleo in ghisa rivestito in poliuretano.
Temperature d'impiego: tra -30°C e +80°C

∅							kg	
80S	20	112	85x100	60x80	9	39	130	0.690
80M	30	112	85x100	60x80	9	39	160	0.910
80L	36	112	85x100	60x80	9	39	180	0.970
100S	25	132	85x100	60x80	9	39	180	1.200
100L	30	132	85x100	60x80	9	39	200	1.280
125S	28	159	95x110	60x80	9	53	220	1.820
125L	35	159	95x110	60x80	9	53	250	1.920
125X	40	159	95x110	60x80	9	53	300	2.170
150S	30	185	110x145	80x105	11	53	350	2.930
150L	40	185	110x145	80x105	11	53	400	3.180
150X	50	185	110x145	80x105	11	53	550	3.730
160L	40	207	110x145	80x105	11	60	550	3.630
160X	50	207	110x145	80x105	11	60	600	4.280
175S	32	214	110x145	80x105	11	60	500	4.210
175L	40	214	110x145	80x105	11	60	600	4.660
200S	40	243	110x145	80x105	11	60	700	5.180
200L	50	243	110x145	80x105	11	60	830	5.780
200X	50	243	110x145	80x105	11	60	880	6.580
225	50	295	160x195	120x160	14	80	1000	8.470
250	50	308	160x195	120x160	14	80	1200	9.970

Polyurethane cast iron support 700
Polyurethane fonte supports 700
Poliuretano ghisa supporti 700

Galvanized swivel plate support, heavy duty; polyurethane-covered wheel with cast-iron core.
Working temperature: -30°C/+80°C

Support à plaque tournante, série lourde, zingué; roue avec noyau en fonte revêtu en polyuréthane.
Températures d'utilisation: entre -30°C et +80°C

Supporto a piastra girevole, serie pesante, zincato; ruota con nucleo in ghisa rivestito in poliuretano.
Temperature d'impiego: tra -30°C e +80°C

∅								kg	
80S	20	112	85x105	60x80	9	38	39	130	1.070
80M	30	112	85x105	60x80	9	38	39	160	1.290
80L	36	112	85x105	60x80	9	38	39	180	1.350
100S	25	132	85x105	60x80	9	38	39	180	1.540
100L	30	132	85x105	60x80	9	38	39	200	1.620
125S	28	159	85x105	60x80	9	38	53	220	2.310
125L	35	159	85x105	60x80	9	38	53	250	2.410
125X	40	159	85x105	60x80	9	38	53	300	2.660
150S	30	185	110x140	80x105	11	40	53	350	3.540
150L	40	185	110x140	80x105	11	40	53	400	3.790
150X	50	185	110x140	80x105	11	40	53	550	4.940
160L	40	207	110x140	80x105	11	53	60	550	4.840
160X	50	207	110x140	80x105	11	53	60	600	5.490
175S	32	214	110x140	80x105	11	53	60	500	4.990
175L	40	214	110x140	80x105	11	53	60	600	5.440
200S	40	243	110x140	80x105	11	56	60	700	6.060
200L	50	243	110x140	80x105	11	56	60	830	6.660
200X	50	243	110x140	80x105	11	56	60	880	7.460
225	50	295	160x200	120x160	14	63	80	1000	10.900
250	50	308	160x200	120x160	14	63	80	1200	12.100

Polyurethane cast iron support 700/FR

Polyurethane fonte supports 700/FR
Poliuretano ghisa supporti 700/FR

Galvanized swivel plate support, heavy duty, with wheel locking device and swivel element; polyurethane-covered wheel with cast-iron core.
Working temperature: -30°C/+80°C

Support à plaque tournante, série lourde, zingué, avec dispositif de blocage roue et partie tournante; roue avec noyau en fonte revêtu en polyuréthane.
Températures d'utilisation: entre -30°C et +80°C

Supporto a piastra girevole, serie pesante, zincato, con dispositivo di bloccaggio ruota e parte rotante; ruota con nucleo in ghisa rivestito in poliuretano.
Temperature d'impiego: tra -30°C e +80°C

∅								kg	
80S	20	112	85x105	60x80	9	38	39	130	1.220
80M	30	112	85x105	60x80	9	38	39	160	1.440
80L	36	112	85x105	60x80	9	38	39	180	1.500
100S	25	132	85x105	60x80	9	38	39	180	1.690
100L	30	132	85x105	60x80	9	38	39	200	1.770
125S	28	159	85x105	60x80	9	38	53	220	2.480
125L	35	159	85x105	60x80	9	38	53	250	2.580
125X	40	159	85x105	60x80	9	38	53	300	2.830
150S	30	185	110x140	80x105	11	40	53	350	3.710
150L	40	185	110x140	80x105	11	40	53	400	3.960
160L	40	207	110x140	80x105	11	53	60	550	5.090
160X	50	207	110x140	80x105	11	53	60	600	5.740
175S	32	214	110x140	80x105	11	53	60	500	5.240
175L	40	214	110x140	80x105	11	53	60	600	5.690
200S	40	243	110x140	80x105	11	56	60	700	6.310
200L	50	243	110x140	80x105	11	56	60	830	6.810
200X	50	243	110x140	80x105	11	56	60	880	7.610

Polyurethane cast iron 1815
Polyurethane fonte 1815
Poliuretano ghisa 1815

Polyurethane-covered wheel with cast-iron core and ball or cone slide bearing hub.
Working temperature: -30°C/+80°C

Roue avec noyau en fonte revêtu en polyuréthane, moyeu sur roulements à sphères ou à rouleaux coniques.
Températures d'utilisation: entre -30°C et +80°C

Ruota con nucleo in ghisa rivestito in poliuretano, mozzo su cuscinetti a sfere o a rulli conici.
Temperature d'impiego: tra -30°C e +80°C

∅			**Upon request** *Sur demande* A richiesta		**Upon request** *Sur demande* A richiesta			**Upon request** *Sur demande* A richiesta	kg	
100x40S	40	45	-	20	-	49	42x12	-	350	1.050
100x40L	40	47	40-45	15	-	49	35x11	-	350	1.100
125x40	40	60	-	20	17	63	47x14	-	400	1.600
125x50	50	60	-	20	17	63	47x14	-	550	1.700
150x60	60	65	60	25	20	73	52x15	-	930	3.950
160x50	50	60	-	20	25	61	47x14	-	800	3.200
180x50	50	60	-	25	20	73	52x15	-	900	3.500
200x50	50	60	-	25	20	71	52x15	-	1000	5.000
200x60	60	65	60	25	20	73	52x15	-	1200	5.500
200x80	80	80	-	30	35	85	62x16	-	1500	7.900
200x100	100	100	-	30	35	85	62x16	-	1950	10.650
250x60	60	65	60	25	20	76	52x15	-	1400	6.900
250x80	80	80	-	30	35	85	62x16	-	1800	7.900
250x100	100	100	-	30	35	85	62x16	-	2200	15.000
300x70	70	70	-	30	35	91	62x16	-	2100	12.800
300x80	80	80	-	30	35	91	62x16	-	2200	14.500
300x100	100	100	-	40	50	120	80x18	90x20	3000	20.500
350x100	100	100	-	40	50	120	80x18	90x20	3500	26.500
400x80	80	100	-	40	50	120	80x18	90x20	3300	27.200
400x100	100	100	-	40	50	120	80x18	90x20	3800	34.000
500x100	100	100	-	50	55	140	90x20	-	4500	55.000

Polyurethane cast iron support 1515

Polyurethane fonte supports 1515

Poliuretano ghisa supporti 1515

Galvanized fixed plate support, very heavy duty; polyurethane-covered wheel with cast-iron core.
Working temperature: -30°C/+80°C

Support à plaque fixe, série très lourde, zingué, roue avec noyau en fonte revêtu en polyuréthane.
Températures d'utilisation: entre -30°C et +80°C

Supporto a piastra fissa, serie pesantissima, zincato; ruota con nucleo in ghisa rivestito in poliuretano.
Temperature d'impiego: tra -30°C e +80°C

∅							kg	
100	40	147	95x110	60x80	9	53	300	1.800
150	60	210	145x170	105x140	15	80	800	5.800
200	60	262	145x170	105x140	15	80	1200	8.500
250	60	308	160x195	120x160	15	80	1500	12.000
300	70	346	160x195	120x160	15	80	1800	15.500

Polyurethane cast iron support 1505
Polyurethane fonte supports 1505
Poliuretano ghisa supporti 1505

Galvanized swivel plate support, very heavy duty; polyurethane-covered wheel with cast-iron core.
Working temperature: -30°C/+80°C

Support à plaque tournante, série très lourde, zingué, roue avec noyau en fonte revêtu en polyuréthane.
Températures d'utilisation: entre -30°C et +80°C

Supporto a piastra girevole, serie pesantissima, zincato; ruota con nucleo in ghisa rivestito in poliuretano.
Temperature d'impiego: tra -30°C e +80°C

∅								kg.	
100	40	147	85x105	60x80	9	38	53	300	2.260
150	60	210	140x175	105x140	15	50	80	800	8.950
200	60	262	140x175	105x140	15	45	80	1200	11.000
250	60	308	160x200	120x160	15	63	80	1500	13.500
300	70	346	160x200	120x160	15	70	80	1800	18.700

Polyurethane cast iron support 700/P

Polyurethane fonte supports 700/P
Poliuretano ghisa supporti 700/P

Galvanized swivel plate support, heavy duty, with wheel locking device and swivel element; polyurethane-covered wheel with cast-iron core.
Working temperature: -30°C/+80°C

Support à plaque tournante, série lourde, zingué; avec dispositif de blocage roue et partie tournante; roue avec noyau en fonte revêtu en polyuréthane.
Températures d'utilisation: entre -30°C et +80°C

Supporto a piastra girevole, serie pesante, zincato, con dispositivo di bloccaggio ruota e parte rotante; ruota con nucleo in ghisa rivestito in poliuretano.
Temperature d'impiego: tra -30°C e +80°C

∅								kg	
100S	25	132	85x105	60x80	9	38	39	180	2.040
100L	30	132	85x105	60x80	9	38	39	200	2.120
125S	28	159	85x105	60x80	9	38	53	220	2.810
125L	35	159	85x105	60x80	9	38	53	250	2.910
125X	40	159	85x105	60x80	9	38	53	300	3.160
150S	30	185	110x140	80x105	11	40	53	350	4.040
150L	40	185	110x140	80x105	11	40	53	400	4.290
150X	50	185	110x140	80x105	11	40	53	550	5.640
160L	40	207	110x140	80x105	11	53	60	550	5.540
160X	50	207	110x140	80x105	11	53	60	600	6.190
175S	32	214	110x140	80x105	11	53	60	500	5.690
175L	40	214	110x140	80x105	11	53	60	600	6.140
200S	40	243	110x140	80x105	11	56	60	700	6.760
200L	50	243	110x140	80x105	11	56	60	830	7.360
200X	50	243	110x140	80x105	11	56	60	880	8.160
225	50	295	160x200	120x160	14	63	80	1000	11.700
250	50	308	160x200	120x160	14	63	80	1200	12.900

Polyurethane aluminium 700/A

Polyurethane aluminium 700/A

Poliuretano alluminio 700/A

Galvanized swivel plate support, heavy duty; polyurethane-covered wheel with aluminium core.

Support à plaque fixe, série lourde, zingué; roue avec noyau en aluminium revêtu en polyuréthane.

Supporto a piastra girevole, serie pesante, zincato; ruota con nucleo in alluminio rivestito in poliuretano.

∅								kg.	
80	25	112	85x105	60x80	9	38	39	150	0.970
100S	30	132	85x105	60x80	9	38	39	200	1.120
100L	40	147	85x105	60x80	9	38	53	220	1.350
125S	30	159	85x105	60x80	9	38	53	220	1.690
125L	50	177	110x140	80x105	11	50	60	350	1.960
150	40	185	110x140	80x105	11	40	53	350	2.600
160	50	207	110x140	80x105	11	53	60	500	3.340
200	50	243	110x140	80x105	11	56	60	700	3.960
250	60	308	160x200	120x160	14	63	80	900	7.650

Polyurethane aluminium 710/A
Polyurethane aluminium 710/A
Poliuretano alluminio 710/A

Galvanized fixed plate support, heavy duty; polyurethane-covered wheel with aluminium core.

Support à plaque fixe, série lourde, zingué; roue avec noyau en aluminium revêtu en polyuréthane.

Supporto a piastra fissa, serie pesante, zincato; ruota con nucleo in alluminio rivestito in poliuretano.

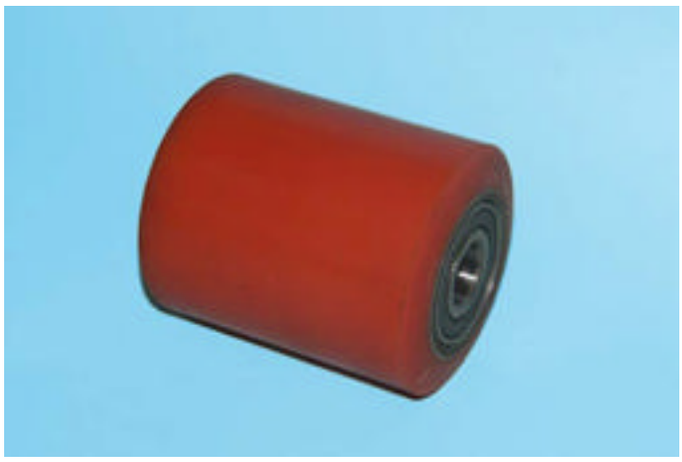
∅							kg	
80	25	112	85x100	60x80	9	39	150	0.590
100S	30	132	85x100	60x80	9	39	200	0.880
100L	40	147	95x110	60x80	9	53	220	1.010
125S	30	159	95x110	60x80	9	53	220	1.200
125L	50	177	110x145	80x105	11	60	350	1.470
150	40	185	110x145	80x105	11	53	350	1.990
160	50	207	110x145	80x105	11	60	500	2.130
200	50	243	110x145	80x105	11	60	700	3.080
250	60	308	160x195	120x160	14	80	900	5.520

Rollers 200/P
Rouleaux 200/P
Rulli 200/P

Polyurethane-covered roller with steel core.
Working temperature: -30°C/+80°C

Rouleau avec noyau en acier revêtu en polyuréthane.
Températures d'utilisation: entre -30°C et +80°C

Rullo con nucleo in acciaio rivestito in poliuretano.
Temperature d'impiego: tra -30°C e +80°C



∅				**Upon request** *Sur demande* A richiesta	**Upon request** *Sur demande* A richiesta	kg	
50	40	10	26x8	-	-	200	0.170
70	70	15	35x11	-	47x14 F20	470	0.880
75	40	20	47x14	25	-	300	0.550
75	50	20	47x14	25	-	370	0.640
75	62	20	47x14	25	-	450	0.750
75	70	20	47x14	25	-	500	0.820
75	80	20	47x14	25	-	620	0.900
75	90	20	47x14	25	-	720	0.980
75	95	20	47x14	25	-	770	0.990
80	40	20	47x14	25	-	350	0.570
80	50	20	47x14	25	47x9.5 F25	450	0.660
80	54	20	47x14	25	-	500	0.710
80	60	20	47x14	25	-	530	0.750
80	70	20	47x14	25	-	650	0.850
80	80	20	47x14	25	-	700	0.950
80	85	20	47x14	25	52x15 F25	740	0.990
80	90	20	47x14	25	-	780	1.040
80	100	20	47x14	25	-	850	1.140
80	110	20	47x14	25	-	900	1.240
82	28	15	32x11	-	-	290	0.290
82	35	15	32x11	-	-	350	0.370
82	40	20	47x14	25	-	400	0.580

∅				**Upon request** *Sur demande* A richiesta	**Upon request** *Sur demande* A richiesta	kg	
82	50	20	47x14	25	-	480	0.680
82	60	20	47x14	25	-	550	0.770
82	70	20	47x14	25	47x18 F20	650	0.870
82	75	20	47x14	25	42x15 F20	700	0.920
82	80	20	47x14	25	-	750	0.970
82	90	20	47x14	25	-	850	1.070
82	100	20	47x14	25	-	950	1.170
82	110	20	47x14	25	-	1030	1.260
82	120	20	47x14	25	-	1120	1.370
85	40	20	47x14	25	-	450	0.600
85	50	20	47x14	25	-	520	0.700
85	60	20	47x14	25	55x21 F30	600	0.800
85	70	20	47x14	25	-	650	0.900
85	75	20	47x14	25	55x21 F30	700	0.950
85	80	20	47x14	25	-	750	1.000
85	85	20	47x14	25	-	780	1.050
85	90	20	47x14	25	47x18 F20	800	1.100
85	95	20	47x14	25	55x21 F30	850	1.150
85	100	20	47x14	25	55x21 F30	900	1.200
85	110	20	47x14	25	55x21 F30	1000	1.300
85	120	20	47x14	25	-	1060	1.390
100	40	20	47x14	25	52x15 F25	560	0.460
100	50	20	47x14	25	52x15 F25	620	0.580
100	60	20	47x14	25	-	700	0.700
120	50	25	52x15	-	-	720	0.810
125	55	20	47x14	25	-	760	0.920

Nylon 86
Nylon 86
Nylon 86

White nylon wheel, medium type, plain bore hub.
Working temperature: -30°C/+80°C

Roue en nylon blanc, type moyen, moyeu à trou lisse.
Températures d'utilisation: entre -30°C et +80°C

Ruota in nylon bianco, tipo medio, mozzo a foro liscio.
Temperature d'impiego: tra -30°C e +80°C

∅					kg.	
60	24	27	20	8	60	0,045
65	30	40	23	12	80	0,060
80	30	40	23	12	130	0.080
100	35	40	23	12	150	0.110
125	40	49	26	15	250	0.200
150	40	49	26	15	270	0.300
175	50	59	31	20	300	0.460
200	50	59	31	20	320	0.520

Stainless steel supports 86 [50/N]
Supports inox 86 [50/N]
Supporti inox 86 [50/N]

AISI 304 stainless-steel swivel plate support, medium duty; white nylon wheel, medium type.

Support à plaque tournante, en acier inox AISI 304, série moyenne; roue en nylon blanc type moyen.

Supporto a piastra girevole, in acciaio inox AISI 304, serie media; ruota in nylon bianco tipo medio.

∅								kg	
80	30	106	85x105	60x80	9	36	40	100	0.450
100	35	128	85x105	60x80	9	39	40	150	0.600
125/ L	40	154	85x105	60x80	9	39	50	150	0.800
125/ P	40	160	110x135	80x105	11	46	60	250	1.280
150	40	180	85x105	60x80	9	43	50	175	0.910
160	50	188	110x135	80x105	11	49	60	200	1.640
175	50	224	110x135	80x105	11	55	60	250	1.780
200	50	236	110x135	80x105	11	55	60	300	1.880

Stainless steel supports 86 [600/N]

Supports inox 86 [600/N]
Supporti inox 86 [600/N]

AISI 304 stainless-steel swivel plate support, medium duty with front wheel locking device and swivel element; white nylon wheel, medium type.

Support à plaque tournante, en acier inox AISI 304, série moyenne avec dispositif antérieur de blocage roue et partie tournante; roue en nylon blanc type moyen.

Supporto a piastra girevole, in acciaio inox AISI 304, serie media, con dispositivo anteriore di bloccaggio ruota e parte rotante; ruota in nylon bianco tipo medio.

∅								kg	
80	30	106	85x105	60x80	9	36	40	100	0.650
100	35	128	85x105	60x80	9	39	40	150	0.800
125	40	154	85x105	60x80	9	39	50	150	1.000
150	40	180	85x105	60x80	9	43	50	175	1.110
160	50	188	110x135	80x105	11	49	60	200	1.790
200	50	236	110x135	80x105	11	55	60	300	2.030

Stainless steel supports 86 [51/N]

Supports inox 86 [51/N]

Supporti inox 86 [51/N]

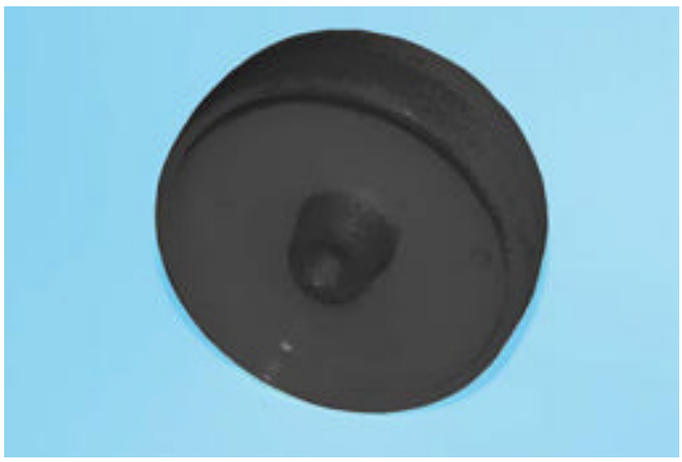
AISI 304 stainless-steel fixed plate support, medium duty; white nylon wheel, medium type.

Support à plaque fixe, en acier inox AISI 304, série moyenne; roue en nylon blanc type moyen.

Supporto a piastra fissa, in acciaio inox AISI 304, serie media; ruota in nylon bianco tipo medio.

∅							kg	
80	30	106	85x105	60x80	9	40	100	0.400
100	35	128	85x105	60x80	9	40	150	0.500
125/ L	40	154	85x105	60x80	9	50	150	0.760
125/ P	40	160	110x135	80x105	11	60	250	1.140
150	40	180	85x105	60x80	9	50	175	0.840
160	50	188	110x135	80x105	11	60	200	1.540
175	50	224	110x135	80x105	11	60	250	1.750
200	50	236	110x135	80x105	11	60	300	1.850

Phenol-formaldehyde resin 86/AT
Resine phenolique 86/AT
Resina fenolica 86/AT



Black phenol-formaldehyde resin wheel for high temperatures, “asbestos free”; plain bore hub.
Working temperature: -40°C/+280°C

Roue noire en résine phénolique pour hautes températures, “absence d'amiante”, moyeu à trou lisse.
Températures d'utilisation: entre -40°C et +280°C

Ruota nera in resina fenolica per alte temperature, "assenza di amianto", mozzo a foro liscio.
Temperature d’impiego: tra -40°C e +280°C

∅				kg	
80	35	40	12	150	0.200
100	35	40	12	200	0.350
125	40	48	20	250	0.490
160	50	58	20	275	1.040
200	50	58	20	300	1.500

Phenol-formaldehyde resin 86/AT [50/AT]

Resine phenolique 86/AT [50/AT]
Resina fenolica 86/AT [50/AT]

Galvanized swivel plate support, medium duty; black phenol-formaldehyde resin wheel for high temperatures, "asbestos free"; plain bore hub.
Working temperature: -40°C/+280°C

Support à plaque tournante, série moyenne, zingué; roue noire en résine phénolique pour hautes températures, "absence d'amiante".
Températures d'utilisation: entre -40°C et +280°C

Supporto a piastra girevole, serie media, zincato; ruota nera in resina fenolica per alte temperature, "assenza di amianto".
Temperature d'impiego: tra -40°C e +280°C

∅								**Upon request** *Sur demande* A richiesta	kg	
80	35	104	80x100	60x80	9	36	40	45	100	0.670
100	35	123	80x100	60x80	9	36	40	45	120	0.830
125	40	153	85x115	60x80	9	41	50	45	170	1.340
160	50	190	110x140	80x105	11	49	60	-	200	2.450
200	50	230	110x140	80x105	11	54	60	-	230	3.110

Phenol-formaldehyde resin 86/AT [51/AT]

Resine phenolique 86/AT [51/AT]
Resina fenolica 86/AT [51/AT]

Galvanized fixed plate support, medium duty; black phenol-formaldehyde resin wheel for high temperatures, "asbestos free"; plain bore hub.
Working temperature: -40°C/+280°C

Support à plaque tournante, série moyenne, zingué; roue noire en résine phénolique pour hautes températures, "absence d'amiante".
Températures d'utilisation: entre -40°C et +280°C

Supporto a piastra fissa, serie media, zincato; ruota nera in resina fenolica per alte temperature, "assenza di amianto".
Temperature d'impiego: tra -40°C e +280°C

∅							kg	
80	35	104	85x100	60x80	9	40	100	0.550
100	35	123	85x100	60x80	9	40	120	0.700
125	40	153	95x110	60x80	9	50	170	1.090
160	50	190	110x145	80x105	11	60	200	2.130
200	50	230	110x145	80x105	11	60	230	2.700

Phenol-formaldehyde resin 86/AT [600/AT]

Resine phenolique 86/AT [600/AT]
Resina fenolica 86/AT [600/AT]

Galvanized swivel plate support, medium duty, with wheel locking device and swivel element; black phenol-formaldehyde resin wheel for high temperatures, “asbestos free”.
Working temperature: -40°C/+80°C

Support à plaque tournante, série moyenne, zingué avec dispositif de blocage roue et partie tournante; roue noire en résine phénolique pour hautes températures, “absence d'amiante”.
Températures d'utilisation: entre -40°C et +80°C

Supporto a piastra girevole, serie media, zincato, con dispositivo di bloccaggio ruota e parte rotante; ruota nera in resina fenolica per alte temperature, "assenza di amianto".
Temperature d’impiego: tra -40°C e +80°C

∅								**Upon request** *Sur demande* A richiesta	kg.	
80	35	104	80x100	60x80	9	36	40	45	100	0.820
100	35	123	80x100	60x80	9	36	40	45	120	0.980
125	40	153	85x115	60x80	9	41	50	45	170	1.510
160	50	190	110x140	80x105	11	49	60	-	200	2.700
200	50	230	110x140	80x105	11	54	60	-	230	3.360

Stainless steel supports 85/G [450]

Supports inox 85/G [450]
Supporti inox 85/G [450]

AISI 304 stainless-steel swivel plate support, medium duty; grey rubber wheel with core in thermoplastic material.

Support à plaque tournante, en acier inox AISI 304, série moyenne; roue en caoutchouc grise avec noyau en matériau thermoplastique.

Supporto a piastra girevole, in acciaio inox AISI 304, serie media; ruota in gomma grigia con nucleo in materiale termoplastico.

∅								kg	
80S	25	106	85x105	60x80	9	36	40	50	0.620
80L	35	106	85x105	60x80	9	36	40	50	0.640
100S	25	128	85x105	60x80	9	39	40	70	0.790
100L	35	128	85x105	60x80	9	39	40	70	0.820
125	37.5	154	85x105	60x80	9	39	50	120	1.010
140	40	175	85x105	60x80	9	43	50	125	1.470
150	40	180	85x105	60x80	9	43	50	130	1.530
160	40	188	110x135	80x105	11	49	60	140	2.430
180	50	226	110x135	80x105	11	55	60	180	3.140
200	50	236	110x135	80x105	11	55	60	205	3.200

Stainless steel supports 85/G [450/F]
Supports inox 85/G [450/F]
Supporti inox 85/G [450/F]

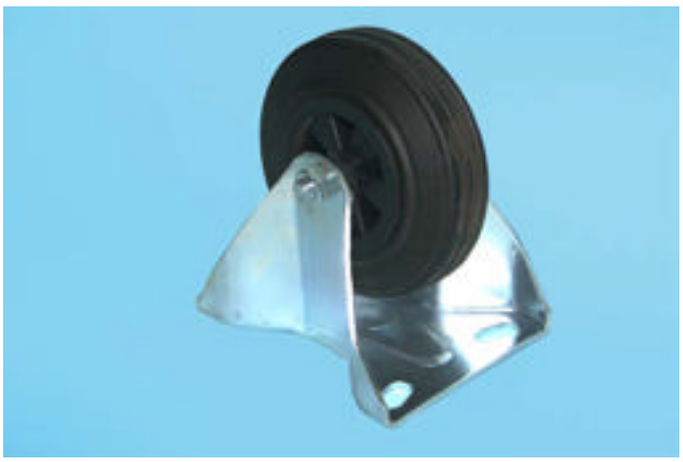
AISI 304 stainless-steel swivel plate support, medium duty, with front wheel locking device and swivel element; grey rubber wheel with core in thermoplastic material.

Support à plaque tournante, en acier inox AISI 304, série moyenne, avec dispositif antérieur de blocage roue et partie tournante; roue en caoutchouc grise avec noyau en matériau thermoplastique.

Supporto a piastra girevole, in acciaio inox AISI 304, serie media, con dispositivo anteriore di bloccaggio ruota e parte rotante; ruota in gomma grigia con nucleo in materiale termoplastico.

∅								kg	
80S	25	106	85x105	60x80	9	36	40	50	0.820
80L	35	106	85x105	60x80	9	36	40	50	0.840
100S	25	128	85x105	60x80	9	39	40	70	0.990
100L	35	128	85x105	60x80	9	39	40	70	1.020
125	37.5	154	85x105	60x80	9	39	50	120	1.210
150	40	180	85x105	60x80	9	43	50	130	1.730
160	40	188	110x135	80x105	11	49	60	140	2.830
200	50	236	110x135	80x105	11	55	60	205	3.600

Stainless steel supports 85/G [451]
Supports inox 85/G [451]
Supporti inox 85/G [451]



AISI 304 stainless-steel fixed plate support, medium duty; grey rubber wheel with core in thermoplastic material.

Support à plaque fixe, en acier inox AISI 304, série moyenne; roue en caoutchouc grise avec noyau en matériau thermoplastique.

Supporto a piastra fissa, in acciaio inox AISI 304, serie media; ruota in gomma grigia con nucleo in materiale termoplastico.

∅							kg	
80S	25	106	85x105	60x80	9	40	50	0.460
80L	35	106	85x105	60x80	9	40	50	0.480
100S	25	128	85x105	60x80	9	40	70	0.650
100L	35	128	85x105	60x80	9	40	70	0.680
125	37.5	154	85x105	60x80	9	50	120	0.890
140	40	175	85x105	60x80	9	50	125	1.120
150	40	180	85x105	60x80	9	50	130	1.180
160	40	188	110x135	80x105	11	60	140	2.240
180	50	226	110x135	80x105	11	60	180	2.950
200	50	236	110x135	80x105	11	60	205	3.000

plastics

matériaux plastiques

materiali plastici

mori s.p.a.

take care of your business

Polycarbonate sheets – technical features

Compact polycarbonate sheets have excellent mechanical, thermal and electrical features, as well as a high impact strength and elasticity. They are practically unbreakable, tough and thermally stable for temperature ranges from -40°C to +135°C.
Their fire behaviour class is no. 1 (3-6 mm thickness) in Italy and class B1 (in compliance with DIN 4102 PART 1) in Germany.
Compact polycarbonate sheets are protected from UV rays on both sides and are manufactured by means of a coextrusion process which secures both UV protection films to the sheet. These protections ensure that the outstanding features of UVP compact polycarbonate sheets remain unchanged, thus preserving their transparent and bright surface even after many years of weather exposure.

Caractéristiques Techniques pour plaques en polycarbonate

Les plaques en polycarbonate compact ont d'excellentes propriétés mécaniques, thermiques et électriques ainsi qu'une grande résistance aux chocs, une élasticité considérable, elles sont pratiquement incassables, robuste et elles sont thermostables dans un ample éventail de températures comprises entre -40° et +135°C.
Leur classification de réaction au feu rentre dans la Classe 1 (épaisseurs 3-6 mm) en Italie, Classe B2 (selon DIN 4102 partie 1) en Allemagne.
Les plaques en polycarbonate compact UVP sont protégées des rayons UV sur les deux côtés et sont produites à travers un processus de co-extrusion, en appliquant ainsi indissolublement les deux revêtements de protection UV à la plaque même. Elles maintiennent inaltérées les excellentes propriétés des plaques en polycarbonate compact UVP, elles maintiennent quasiment inaltérée leur transparence exceptionnelle et la brillance de la surface même après plusieurs années d'exposition aux agents atmosphériques.

Caratteristiche Tecniche per lastre in policarbonato

Le lastre in policarbonato compatto vantano eccellenti proprietà meccaniche, termiche ed elettriche, nonchè una elevata resistenza agli urti, una notevole elasticità, pressochè infrangibili, tenaci e sono termostabili in un ampio campo di temperature compreso tra -40° e +135°C.
La loro classificazione di reazione al fuoco rientra nella Classe 1 (spessori 3-6 mm) in Italia, Classe B2 (secondo DIN 4102 parte 1) in Germania.
Le lastre in policarbonato compatto UVP sono protette ai raggi ultravioletti sui due lati e vengono prodotte mediante il procedimento di costruzione, ancorando così indissolubilmente entrambi i rivestimenti protettivi UV alla lastra stessa. Esse mantengono inalterate le eccellenti proprietà delle lastre in policarbonato compatto UVP e mantengono pressochè inalterata la loro eccezionale trasparenza e la brillantezza della superficie, anche dopo molti anni di esposizione agli agenti atmosferici.

Yellowness Index/Light Transmission

Yellowness index and light transmission ranges after exposure to artificial weather conditions (Xenon lamp) on 6-mm-thick compact polycarbonate.

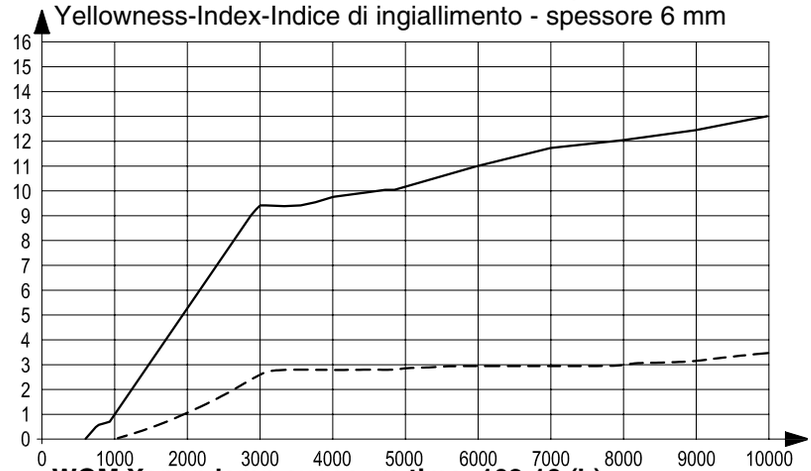
Index de jaunissement / Transmission lumineuse

Variation du Yellowness-Index (Index de jaunissement) et de la transmission lumineuse avec exposition aux agents atmosphériques artificiels (lampe Xeno) sur plaques en polycarbonate compact, épaisseur 6 mm.

Indice di ingiallimento / Trasmissione luminosa

Variazione dell'Yellowness-Index (indice d'ingiallimento) e della trasmissione luminosa con esposizione agli agenti atmosferici artificiali (lampada Xeno) su lastre in policarbonato compatto spessore 6 mm.

Yellowness index – 6 mm thickness
Yellowness-Index-Index de jaunissement - épaisseur 6 mm
Yellowness-Index-Indice di ingiallimento - spessore 6 mm

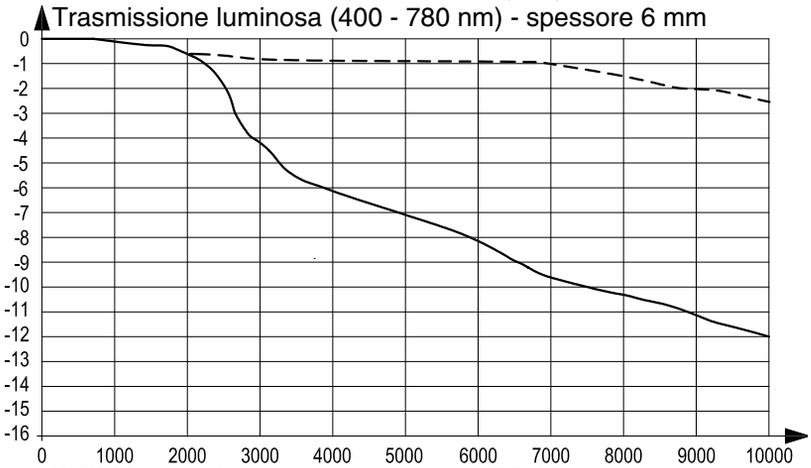


PC UVP with UV protection
PC standard sans protection UV
PC standard senza protezione UV

PC UVP with UV protection
PC UVP avec protection UV
PC UVP con protezione UV

WOM Xenon lamp exposure time: 102:18 (h)
Temp. d'exposition à lampe xeno-WOM: 102:18(h)
Tempo di esposizione alla lampada Xeno-WOM: 102:18 (h)

Light Transmission (400 - 780 nm) – 6 mm thickness
Transmission lumineuse (400 - 780 nm) - épaisseur 6 mm
Trasmissione luminosa (400 - 780 nm) - spessore 6 mm



PC UVP with UV protection
PC UVP avec protection UV
PC UVP con protezione UV

PC UVP with UV protection
PC standard sans protection UV
PC standard senza protezione UV

WOM Xenon lamp exposure time: 102:18 (h)
Temp. d'exposition à lampe xeno-WOM: 102:18(h)
Tempo di esposizione alla lampada Xeno-WOM: 102:18 (h)

Alveolar polycarbonate sheet

Compact polycarbonate sheets resist highly concentrated mineral acids, many organic acids (e.g. carbon dioxide, lactic acid, oleic acid and citric acid) oxidizers and reducers, acid and neutral salt solutions, various greases and oils, alcohols, aliphatic and saturated cycloaliphatic hydrocarbons, except for methyl alcohol. Compact polycarbonate sheets are destroyed by alkaline solutions, gas ammonia and their solutions and amines. Compact polycarbonate sheets can be indented by many solvents. Organic compounds such as benzene, acetone and carbon tetrachloride cause bulking.

General features

			STANDARDS	MEASUREMENTS	Standard PC + PC UVP VALUES
PHYSICAL FEATURES					
Weight density	(dR)		ISO 1183	g/cm^3	1,2
Water absorption		24 h	ISO 62	mg	8
MECHANICAL FEATURES					
Flexural strength	(δbB)		ISO 178	MPa	Yield point >95
Tensile strength	(δB)		ISO 527	MPa	60
Elongation at break	(εR)		ISO 527	%	80
Modulus of elasticity E	(E)		ISO 527	MPa	2200
Modulus of elasticity in shear			ISO 6721-2	MPa	700
Impact strength	(an)		ISO 179		without break
Notch strength	(ak)	+ 20°C	ISO 179		>40
Ball indenter hardness	(Hk)	H 961/30"	ISO 2039-1	MPa	110
THERMAL FEATURES					
Vicat softening temperature		VST/B 50	ISO 306	°C	145
Dimensional stability temperature		HDT/A	ISO R 75	°C	135
Permanent usage temperature			DIN 53446	°C	115
Thermal expansion coefficient	(α)	0 - 50°C	DIN 53328	K^{-1}	$65x10^{-6}$
Thermal conductivity	(λ)		DIN 52612	W/k · m	0,2
Specific heat	(c)		-	J/g · °K	1,17
Heat deflection temperature based on thickness			-	°C	180-210
Linear shrinkage			-	%	0,5-0,7
OPTICAL FEATURES					
Index of refraction			ISO 489	nD 20	1,585
Light transmission (wave length. 380-780 mm; thickness: 3 nm			DIN 5036-T3	%	86
ELASTIC FEATURES					
Surface drag	(R)		DIN 53482	W	10^{15}
Specific mass resistivity	(δD)		DIN 53482	Ωcm	10^{15}
Dielectric rigidity	(Ed)		DIN 53481	kV/mm	>30
Dielectric loss factor	(tgδ)	50 Hz 1 MHz	DIN 53483	-	$8x10^{-4}$ $11x10^{-4}$
Dielectric constant	(ε)	50 Hz 1 MHz	DIN 53483	-	3,0 2,9
Leakage current resistance			DIN 43480	Kc	>200
FIRE BEHAVIOUR					
(See previous page: technical features			Fire behaviour class DIN 4102	Class Class	1 B2

Stabilité chimique pour plaques en polycarbonate

Les plaques en polycarbonate compact sont résistantes aux acides minéraux jusqu'à des concentrations élevées, à beaucoup d'acides organiques (ex: anhydride carbonique, acide lactique, acide oléique et acide citrique), oxydants et réducteurs, solutions salines neutres et acides. Une série de graisses et d'huiles, d'alcalis et d'hydrocarbures aliphatiques et cycloaliphatiques satures, sauf l'alcool méthylique. Les plaques en polycarbonate compact sont détruites par des solutions alcalines, ammoniaque gazeux et par leurs solutions et amines. Les plaques en polycarbonate compact sont attaquées par un grand nombre de solvants. Les composés organiques comme le benzol, l'acétone et le tétrachlorure de carbone en provoquent le gonflement.

Propriétés générales

			NORMES	UNITE MESURE	VALEURS PC standard + PC UVP
PROPRIETES PHYSIQUES					
Poids spécifique	*(dR)*		*ISO 1183*	*g/cm^3*	*1,2*
Absorption eau		*24 h*	*ISO 62*	*mg*	*8*
PROPRIETES MECANIQUES					
Résistance à la flexion	*(δbB)*		*ISO 178*	*MPa*	*Limite d'élasticité >95*
Résistance à la traction	*(δB)*		*ISO 527*	*MPa*	*60*
Étirement à cassure	*(εR)*		*ISO 527*	*%*	*80*
Module d'élasticité - E	*(E)*		*ISO 527*	*MPa*	*2200*
Module d'élasticité tangentielle			*ISO 6721-2*	*MPa*	*700*
Résilience	*(an)*		*ISO 179*		*sans rupture*
Résilience avec entaille	*(ak)*	*+ 20°C*	*ISO 179*		*>40*
Dureté au pénétrateur à sphères	*(Hk)*	*H 961/30"*	*ISO 2039-1*	*MPa*	*110*
PROPRIETES THERMIQUES					
Température de ramollissement Vicat		*VST/B 50*	*ISO 306*	*°C*	*145*
Température de la stabilité dimensionnelle		*HDT/A*	*ISO R 75*	*°C*	*135*
Température d'utilisation permanente			*DIN 53446*	*°C*	*115*
Coefficient dilatation thermique	*(α)*	*0 - 50°C*	*DIN 53328*	*K^{-1}*	*$65x10^{-6}$*
Conductivité thermique	*(λ)*		*DIN 52612*	*W/k · m*	*0,2*
Chaleur spécifique	*(c)*		*-*	*J/g · °K*	*1,17*
Température de déformation selon épaisseur			*-*	*°C*	*180-210*
Retrait linéaire			*-*	*%*	*0,5-0,7*
PROPRIETES OPTIQUES					
Index de réfraction			*ISO 489*	*nD 20*	*1,585*
Transmission lumineuse (longueur onde: 380-780 mm; épaisseur 3nm)			*DIN 5036-T3*	*%*	*86*
PROPRIETES ELASTIQUES					
Résistance superficielle	*(R)*		*DIN 53482*	*W*	*10^{15}*
Résistivité spécifique de masse	*(δD)*		*DIN 53482*	*Ωcm*	*10^{15}*
Rigidité diélectrique	*(Ed)*		*DIN 53481*	*kV/mm*	*>30*
Facteur de perte diélectrique	*(tgδ)*	*50 Hz 1 MHz*	*DIN 53483*	*-*	*$8x10^{-4}$ $11x10^{-4}$*
Constante diélectrique	*(ε)*	*50 Hz 1 MHz*	*DIN 53483*	*-*	*3,0 2,9*
Résistance au courant de fugue			*DIN 43480*	*Kc*	*>200*
COMPORTEMENT AU FEU					
(Voir page précédente Caractéristiques Techniques)			*Classe réact. Feu DIN 4102*	*Classe Classe*	*1 B2*

Stabilità chimica per lastre in Policarbonato

Le lastre in policarbonato compatto sono resistenti agli acidi minerali fino a concentrazioni elevate, a molti acidi organici (p.e. anidride carbonica, acido lattico, acido oleico e acido citrico), ossidanti e riducenti, soluzioni saline neutre ed acide, una serie di grassi ed olii, alcoli ed idrocarburi alifatici e cicloalifatici saturi, ad eccezione dell'alcool metilico. Le lastre in policarbonato compatto vengono distrutte da soluzioni alkaline, ammoniaca gassosa e dalle loro soluzioni ed ammine. Le lastre in policarbonato compatto vengono intaccate da un gran numero di solventi. I composti organici come benzolo, acetone e tetracloruro di carbonio ne provocano il rigonfiamento.

Proprietà Generali

			NORME	UNITA' MISURA	VALORI PC standart + PC UVP
PROPRIETA' FISICHE					
Peso specifico	(dR)		ISO 1183	g/cm3	1,2
Assorbimento acqua		24 h	ISO 62	mg	8
PROPRIETA' MECCANICHE					
Resistenza alla flessione	(δbB)		ISO 178	MPa	Limite di snervamento >95
Resistenza alla trazione	(δB)		ISO 527	MPa	60
Allungamento a rottura	(εR)		ISO 527	%	80
Modulo di elasticità - E	(E)		ISO 527	MPa	2200
Modulo di elasticità tangenziale			ISO 6721-2	MPa	700
Resilienza	(an)		ISO 179		senza rottura
Resilienza con intaglio	(ak)	+ 20°C	ISO 179		>40
Durezza al penetratore a sfera	(Hk)	H 961/30"	ISO 2039-1	MPa	110
PROPRIETA' TERMICHE					
Temperatura di rammollimento Vicat		VST/B 50	ISO 306	°C	145
Temperatura della stabilità dimensionale		HDT/A	ISO R 75	°C	135
Temperatura d'impiego permanente			DIN 53446	°C	115
Coefficiente dilatazione termica	(α)	0 - 50°C	DIN 53328	K-1	65x10-6
Conduttività termica	(λ)		DIN 52612	W/k · m	0,2
Calore specifico	(c)		-	J/g · °K	1,17
Temperatura di deformazione in base spessore			-	°C	180-210
Ritiro lineare			-	%	0,5-0,7
PROPRIETA' OTTICHE					
Indice di rifrazione			ISO 489	nD 20	1,585
Trasmissione luminosa (lunghezza onda: 380-780 nm; spessore 3mm)			DIN 5036-T3	%	86
PROPRIETA' ELASTICHE					
Resistenza superficiale	(R)		DIN 53482	W	1015
Resistività specifica di massa	(δD)		DIN 53482	Ωcm	1015
Rigididà dielettrica	(Ed)		DIN 53481	kV/mm	>30
Fattore di perdita dielettrico	(tgδ)	50 Hz 1 MHz	DIN 53483	-	8x10-4 11x10-4
Costante dielettrica	(ε)	50 Hz 1 MHz	DIN 53483	-	3,0 2,9
Resistenza alla corrente di fuga			DIN 43480	Kc	>200
COMPORTAMENTO AL FUOCO					
(Vedi pagina precedente Caratteristiche Tecniche)			Classe reaz. fuoco DIN 4102	Classe Classe	1 B2

Compact polycarbonate sheet
Plaque Polycarbonate compact
Lastra Policarbonato compatto

Cod.	Descr.
0806120001	S=1
0806120002	S=2
0806120003	S=3
0806120004	S=4
0806120005	S=5
0806120006	S=6
0806120008	S=8
0806120010	S=10

Alveolar polycarbonate sheet
Plaque Polycarbonate alvéolaire
Lastra Policarbonato alveolare

Cod.	Descr.
0808120001	S=6
0808120003	S=8
0808120002	S=10

Polyethylene PE 500/1000

Mechanical features:
Relatively soft material, it can withstand limited mechanical stress. Excellent impact strength especially for the 1000 version, which has a very high molecular weight.

Thermal features:
Resists heat up to 90°C, with higher peaks for limited periods. PE500 can resist cold temperatures as low as -50°, for PE1000 good impact stress for temperatures as low as -200°C.

Chemical features
Excellent chemical resistance to most solvents and acids. Low resistance to oils, sensitive to oxidizers. Suitable for contact with foodstuff.

Electrical features
Good dielectric features but highly flammable.

Polietilene PE 500/1000

Polyéthylène
Propriétés mécaniques:
Matériau relativement tendre, il peut être soumis à des sollicitations mécaniques limitées. Il a une extrême résistance aux chocs surtout dans la version 1000, à très haute densité moléculaire.

Propriétés thermiques:
Il est résistant à la chaleur jusqu'à 90°C, avec des pointes plus élevées pendant un laps de temps limité. Pour le PE500 la résistance au froid est d'environ jusqu'à -50°C, le PE1000 présente une bonne résistance jusqu'à -200°C.

Propriétés chimiques:
Il est chimiquement très résistant à la majeure partie des solvants et des acides. Sa résistance est basse aux huiles et il est sensible aux agents oxydants. Il est adapté au contact de produits alimentaires.

Propriétés électriques:
Il présente de bonnes propriétés diélectriques mais il est facilement inflammable.

Polietilene PE 500/1000

Proprietà meccaniche:
Materiale relativamente tenero, può essere sottoposto a sollecitazioni meccaniche limitate. Estrema resistenza agli urti soprattutto nella versione 1000, ad altissimo peso molecolare.

Proprietà termiche:
Resistenza al calore fino a 90°C, con punte più elevate per un lasso di tempo limitato. Per il PE500 resistenza al freddo fino a circa -50°C, per il PE1000 buona tenacità fino a -200°C.

Proprietà chimiche:
Ottima resistenza chimica alla maggior parte di solventi, acidi. Bassa agli oli e sensibile agli agenti ossidanti. Adatto al contatto di prodotti alimentari.

Proprietà elettriche:
Buone proprietà dielettriche ma spiccata infiammabilità.

Technical features of plastics

FEATURES					PLASTICS							
					MEASURE	DIN METHOD	NYLON 202	NYLON 250	MOPLEN	DELRIN 900	DELRIN 1100	ARNITE
MECHANICAL												
Breaking and tensile strength					N/mm^2 N/mm^2	53455 53455	80 50	80 60	- 33	70 -	88-90 68-70	60 -
Elongation at break					% %	53455 53455	50-100 200	50 150	- >200	40 -	10-40 40-80	200 -
Flexural Modulus of elasticity					N/mm^2 N/mm^2	53452 53452	3000 1500	3200 1600	1250	3000 -	3900 2500	2600 -
Impact strength	+23°C -20°C				KJ/m^2 KJ/m^2	53453 53453	NR NR	NR NR	NR -	NR 80-NR	NR NR	NR NR
Impact strength with W ledge					KJ/m^2 KJ/m^2	53753 53753	70 NR	80 NR	10 -	- -	- -	- -
IZOD Impact strength at with met. Ledge A ISO	+23°C -20°C				J/m J/m	- -	85 35	40 30	150 >20	- -	- -	- -
Rockwell strength					scala R/M	-	R.87	R.108	R.50	R.114	R.95	R.90
Steel ball hardness					N/mm^2 N/mm^2	53456 53546	150 70	160 100	77 -	160 -	163 118	- -
Tensile limit	+23°C	50%	UR +100°C		N/mm^2 N/mm^2	53444 53444	5,5 2,5	6,0 3,5	- -	14 -	≤8,5 ≤5,0	12 -
Appearing module	+23°	50%	UR		N/mm^2	53444	230	400	-	-	≤500	
THERMAL												
ISO 75 Heat Distortion Temperature			Met.A Met.B		°C °C	53461 53461	55-75 >160	100 >200	55 80-90	110 160	- 190	67 165
Melting point			Met.A		°C	53736	220	255	158-168	164-168	220	260
Steady-heat resistance					°C	-	100	100	110	100	100-110	110
Linear thermal expansion coefficient					$1/K \cdot 10^{-5}$	53752	7-10	7-10	18	11	8	-
Thermal conductivity			Met.A		W (K · M)	52612	0,23	0,23	0,22	-	0,28	-
Specific heat					J/ (g · °K)	52612	1,7	1,7	1,7	1,5	1,67	-
DIELECTRIC												
Dielectric constant			1 MHz		- -	53483 53483	3,5 7,0	3,2 5,0	2,5 -	3,8 -	3,7 12	3,3 -
Dissipation factor			1 MHz		- -	53483 53483	0,023 0,3	0,023 0,2	- -	0,024 -	0,03 0,15	0,02 -
Dielectric strength	VDE 0303T2				kV/mm kV/mm	53481 -	100 60	120 80	80 -	>55 -	100 50	50 -
Volume resistivity					Ω · cm Ω · cm	53482 53482	10^{15} 10^{12}	10^{15} 10^{12}	10^{16} -	10^{15} -	10^{15} 10^{12}	10^{16} -
Surface drag					W W	53482 53482	10^{13} 10^{10}	10^{13} 10^{10}	10^{13} -	- -	10^{12} 10^{10}	- -
Strength and conductivity			Met. KA/KB Met. KC		-	53480	KB>600 KC>600	KB>600 KC>600	- KC>600	KB>600 -	KB>600 KC>600	KA>450 KC>600
OTHER												
Weight density			Metodo D. E		gr/cm^3	53479	1,13-1,15	1,13-1,15	0,915	1,41-1,43	1,15	1,29-1,30
Moisture absorption	+23°C	50%	UR		%	53714	3,0±0,4	2,8±0,3	~0	0,20	3,0	~0,2
Water absorption	+23°C				%	53495	9,5±0,5	8,5±0,5	~0	0,25	6,0	~0,5
Flammability			VDE 0304T3		-	-	II b	II b	3-20 mm/min	BH3-25 mm/min	II b	II b

NR = No break – the above data refer to a temperature of + 23°C

Caractéristiquea Techniques des matériaux plastiques

PROPRIETES		*MATERIAUX PLASTIQUES*							
	UNITE DE MESURE	*METHODE DIN*	*NYLON 202*	*NYLON 250*	*MOPLEN*	*DELRIN 900*	*DELRIN 1100*	*ARNITE*
MECANIQUES								
Résistance à la traction-rupture	N/mm^2 N/mm^2	53455 53455	80 50	80 60	- 33	70 -	88-90 68-70	60 -
Étirement à rupture	% %	53455 53455	50-100 200	50 150	- >200	40 -	10-40 40-80	200 -
Module élastique à flexion	N/mm^2 N/mm^2	53452 53452	3000 1500	3200 1600	1250	3000 -	3900 2500	2600 -
Résistance aux chocs +23°C -20°C	KJ/m^2 KJ/m^2	53453 53453	NR NR	NR NR	NR -	NR 80-NR	NR NR	NR NR
Résistance aux chocs avec entaille en W	KJ/m^2 KJ/m^2	53753 53753	70 NR	80 NR	10 -	- -	- -	- -
Résistance aux chocs IZOD +23°C *Avec entaille méth.A ISO 180* -20°C	J/m J/m	- -	85 35	40 30	150 >20	- -	- -	- -
Dureté Rockwell	scala R/M	-	R.87	R.108	R.50	R.114	R.95	R.90
Dureté à la sphère d'acier	N/mm^2 N/mm^2	53456 53546	150 70	160 100	77 -	160 -	163 118	- -
Limite de tension +23°C 50% UR +100°C	N/mm^2 N/mm^2	53444 53444	5,5 2,5	6,0 3,5	- -	14 -	≤8,5 ≤5,0	12 -
Module apparent +23° 50% UR	N/mm^2	53444	230	400	-	-	≤500	
THERMIQUES								
Température de distorsion ISO 75 Met.A Met.B	°C °C	53461 53461	55-75 >160	100 >200	55 80-90	110 160	- 190	67 165
Point de fusion Met.A	°C	53736	220	255	158-168	164-168	220	260
Résistance à la chaleur continue	°C	-	100	100	110	100	100-110	110
Coeff. de dilat. thermique linéaire	$1/K \cdot 10^{-5}$	53752	7-10	7-10	18	11	8	-
Conductivité thermique Met.A	W (K · M)	52612	0,23	0,23	0,22	-	0,28	-
Chaleur spécifique	J/ (g · °K)	52612	1,7	1,7	1,7	1,5	1,67	-
DIELECTRIQUES								
Constante diélectrique 1 MHz	- -	53483 53483	3,5 7,0	3,2 5,0	2,5 -	3,8 -	3,7 12	3,3 -
Facteur de dissipation 1 MHz	- -	53483 53483	0,023 0,3	0,023 0,2	- -	0,024 -	0,03 0,15	0,02 -
Résistance diélectrique VDE 0303T2	kV/mm kV/mm	53481 -	100 60	120 80	80 -	>55 -	100 50	50 -
Résistivité de volume	$\Omega \cdot cm$ $\Omega \cdot cm$	53482 53482	10^{15} 10^{12}	10^{15} 10^{12}	10^{16} -	10^{15} -	10^{15} 10^{12}	10^{16} -
Résistance superficielle	W W	53482 53482	10^{13} 10^{10}	10^{13} 10^{10}	10^{13} -	- -	10^{12} 10^{10}	- -
Résistance et conductivité Met. KA/KB Met. KC	-	53480	KB>600 KC>600	KB>600 KC>600	- KC>600	KB>600 -	KB>600 KC>600	KA>450 KC>600
DIVERSES								
Poids spécifique Metodo D. E	gr/cm^3	53479	1,13-1,15	1,13-1,15	0,915	1,41-1,43	1,15	1,29-1,30
Absorpt. Humidité +23°C 50% UR	%	53714	3,0±0,4	2,8±0,3	~0	0,20	3,0	~0,2
Absorpt. Eau +23°C	%	53495	9,5±0,5	8,5±0,5	~0	0,25	6,0	~0,5
Inflammabilité VDE 0304T3	-	-	// b	// b	3-20 mm/min	BH3-25 mm/min	// b	// b

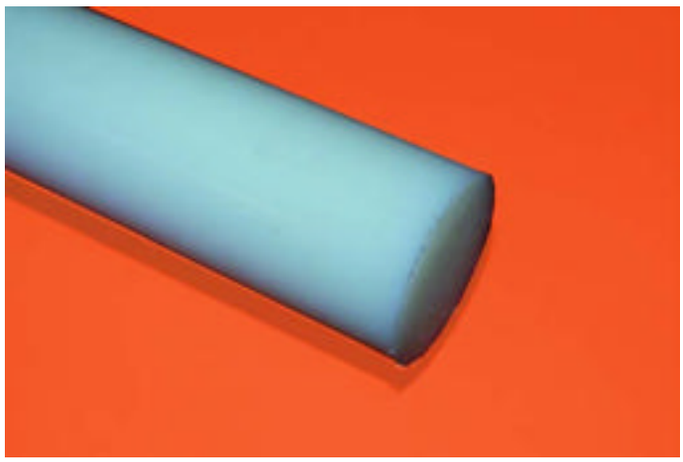
NR = aucune rupture - les données sus-indiquées ont une valeur avec une température de +23°C.

Caratteristiche Tecniche dei materiali plastici

PROPRIETA'		UNITA' DI MISURA	METODO DIN	NYLON 202	NYLON 250	MOPLEN	DELRIN 900	DELRIN 1100	ARNITE
				MATERIALI PLASTICI					
MECCANICHE									
Resistenza a trazione-rottura		N/mm^2 N/mm^2	53455 53455	80 50	80 60	- 33	70 -	88-90 68-70	60 -
Allungamento a rottura		% %	53455 53455	50-100 200	50 150	- >200	40 -	10-40 40-80	200 -
Modulo elastico a flessione		N/mm^2 N/mm^2	53452 53452	3000 1500	3200 1600	1250	3000 -	3900 2500	2600 -
Resistenza agli urti	+23°C -20°C	KJ/m^2 KJ/m^2	53453 53453	NR NR	NR NR	NR -	NR 80-NR	NR NR	NR NR
Resistenza agli urti con intacco a W		KJ/m^2 KJ/m^2	53753 53753	70 NR	80 NR	10 -	- -	- -	- -
Resistenza agli urti IZOD con intacco met. A ISO 180	+23°C -20°C	J/m J/m	- -	85 35	40 30	150 >20	- -	- -	- -
Durezza Rockwell		scala R/M	-	R.87	R.108	R.50	R.114	R.95	R.90
Durezza alla sfera di acciao		N/mm^2 N/mm^2	53456 53546	150 70	160 100	77 -	160 -	163 118	- -
Limite a tensione	+23°C 50% UR +100°C	N/mm^2 N/mm^2	53444 53444	5,5 2,5	6,0 3,5	- -	14 -	≤8,5 ≤5,0	12 -
Modulo apparente	+23° 50% UR	N/mm^2	53444	230	400	-	-	≤500	
TERMICHE									
Temperatura di distorsione ISO 75	Met.A Met.B	°C °C	53461 53461	55-75 >160	100 >200	55 80-90	110 160	- 190	67 165
Punto di fusione	Met.A	°C	53736	220	255	158-168	164-168	220	260
Resistenza al calore continuo		°C	-	100	100	110	100	100-110	110
Coeff. di dilat. termica lineare		$1/K \cdot 10^{-5}$	53752	7-10	7-10	18	11	8	-
Conduttività termica	Met.A	W (K · M)	52612	0,23	0,23	0,22	-	0,28	-
Calore specifico		J/ (g · °K)	52612	1,7	1,7	1,7	1,5	1,67	-
DIELETTRICHE									
Costante dielettrica	1 MHz	- -	53483 53483	3,5 7,0	3,2 5,0	2,5 -	3,8 -	3,7 12	3,3 -
Fattore di dissipazione	1 MHz	- -	53483 53483	0,023 0,3	0,023 0,2	- -	0,024 -	0,03 0,15	0,02 -
Resistenza dielettrica	VDE 0303T2	kV/mm kV/mm	53481 -	100 60	120 80	80 -	>55 -	100 50	50 -
Resistività di volume		$\Omega \cdot cm$ $\Omega \cdot cm$	53482 53482	10^{15} 10^{12}	10^{15} 10^{12}	10^{16} -	10^{15} -	10^{15} 10^{12}	10^{16} -
Resistenza superficiale		W W	53482 53482	10^{13} 10^{10}	10^{13} 10^{10}	10^{13} -	- -	10^{12} 10^{10}	- -
Resistenza e conduttività	Met. KA/KB Met. KC	-	53480	KB>600 KC>600	KB>600 KC>600	- KC>600	KB>600 -	KB>600 KC>600	KA>450 KC>600
VARIE									
Peso specifico	Metodo D. E	gr/cm^3	53479	1,13-1,15	1,13-1,15	0,915	1,41-1,43	1,15	1,29-1,30
Assorb. umidità	+23°C 50% UR	%	53714	3,0±0,4	2,8±0,3	~0	0,20	3,0	~0,2
Assorb. acqua	+23°C	%	53495	9,5±0,5	8,5±0,5	~0	0,25	6,0	~0,5
Infiammabilità	VDE 0304T3	-	-	II b	II b	3-20 mm/min	BH3-25 mm/min	II b	II b

NR = nessuna rottura - I dati sopra indicati hanno valore con una temperatura di +23°C

Round nylon bars
Barres rondes en nylon
Barre tonde in nylon



mm	ZELLAMID 202 ZELLAMID 202/MOS2	ZELLAMID 250	ZELLAMID 800	ZELLAMID 900	ZELLAMID 1100	ZELLAMID 1400
6	0,03	0,03	-	0,04	-	-
8	0,06	0,06	-	0,07	-	-
10	0,10	0,10	0,08	0,11	-	0,11
12	0,14	0,14	0,09	0,16	-	-
14	0,18	-	-	0,22	-	-
15	0,21	0,21	0,15	0,25	-	0,24
16	0,24	-	-	0,30	-	-
18	0,29	-	-	0,36	-	-
20	0,37	0,37	0,29	0,44	-	0,42
22	0,44	-	-	0,54	-	-
25	0,58	0,58	0,47	0,70	-	0,67
30	0,83	0,83	0,68	1,00	-	0,95
35	1,12	1,12	0,93	1,37	-	1,28
40	1,46	1,46	1,20	1,78	-	1,67
45	1,85	1,85	1,50	2,26	-	2,11
50	2,38	2,38	1,90	2,79	2,50	2,72
55	2,86	2,86	2,25	3,37	3,00	3,27
60	3,38	3,38	2,70	4,01	3,60	3,86
65	3,97	3,97	3,15	4,71	4,20	4,53
70	4,60	4,60	3,60	5,46	4,80	5,25
75	5,17	5,17	4,20	6,27	5,60	5,90
80	6,00	6,00	4,80	7,13	6,30	6,85
85	6,62	6,62	5,45	8,05	-	-
90	7,56	7,56	6,10	9,03	7,90	8,63
95	8,25	-	-	10,30	-	-
100	9,32	9,32	7,50	11,15	9,70	10,63
110	11,25	11,25	9,00	13,49	12,10	12,84
120	13,30	13,30	10,50	16,05	14,20	15,20
125	14,30	-	-	17,80	15,40	-
130	15,60	15,60	12,20	18,85	16,60	-
135	16,30	-	-	20,30	-	18,60
140	18,05	18,05	14,00	21,85	19,30	-
150	20,70	20,70	16,50	25,00	22,00	23,60

mm	ZELLAMID 202 ZELLAMID 202/MOS2	ZELLAMID 250	ZELLAMID 800	ZELLAMID 900	ZELLAMID 1100	ZELLAMID 1400
160	23,50	-	18,95	28,54	24,70	-
170	26,50	-	20,80	33,00	29,00	-
175	28,10	-	-	-	30,50	32,05
180	29,80	-	25,00	36,12	31,80	-
185	31,40	-	-	-	-	-
190	32,30	-	25,50	40,23	35,20	-
200	36,80	-	29,00	44,60	39,00	42,00
220	43,00	-	-	-	46,90	-
230	48,00	-	38,12	-	51,70	-
250	56,00	-	44,15	-	60,50	-
260	61,80	-	-	-	-	-
280	70,20	-	-	-	75,30	-
300	-		64,70	-	85,80	-
320	-	-	-	-	99,90	-
350	-	-	88,00	-	118,80	-
360	-	-	-	-	126,70	-
380	-	-	-	-	139,70	-
400	-	-	115,00	-	152,60	-
420	-	-		-	169,80	-
450	-	-	-	-	192,00	-
480	-	-		-	219,90	-
500	-	-	180,55	-	235.50	-
600	-	-	-	-	336.50	-

Round hollow nylon bars (sleeves)

Barres rondes trouées (manchons) nylon

Barre tonde forate (manicotti) nylon

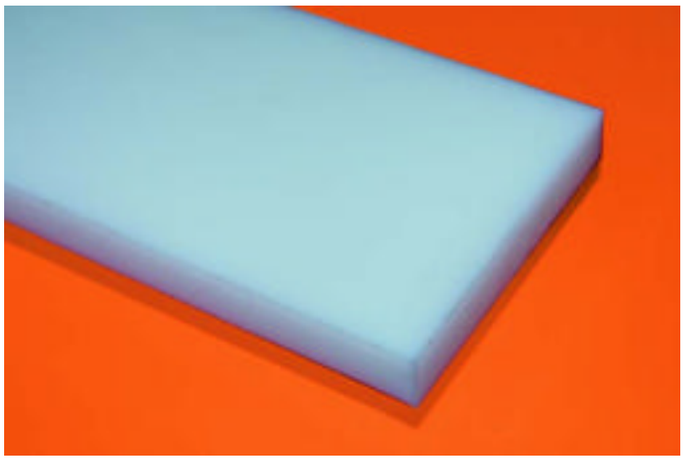
(size in mm – mass in kg/mm^2)

(dimensions en mm - masse en kg/mm^2)

(dimensioni in mm - massa in kg/mm^2)

External diam. *Diam. externes* Diam. esterni	**Internal diameters** *Diamètres internes* Diametri interni																					
	15	**20**	**25**	**30**	**35**	**40**	**45**	**50**	**55**	**60**	**70**	**75**	**80**	**90**	**100**	**110**	**120**	**130**	**140**	**150**	**160**	**190**
25	0,41																					
30	0,66	0,50																				
35			0,55																			
40		1,15	0,95	0,72																		
45		1,48		1,09	0,82																	
50		2,01	1,80	1,55	1,25	0,93																
55					1,75																	
60		3,10		2,55	2,26	1,95		1,15														
65					2,80	2,50	2,11	1,70	1,25													
70				3,76		3,14		2,32		1,37												
75						3,71		2,79		2,00												
80				5,17		4,54		3,62		2,74	1,57											
85				5,80		5.16					2,02											
90						6,10		5,18		4,18	3,15											
100					8,20	7,86		6,94		5,94	4,72		3,56									
110								8,87		7,87	7,01		5,72	4,25								
120										9,92	8,70		7,80		4,69							
125													8,30	6,74								
130								13,22		12,22				8,04	7,05							
140								18,32		14,67				11,15		7,67						
150								21,12						13,78			8,29					
160										20,12		18,33	17,50		14,91			7,90				
170										23,12					17,92			11,90				
180																	17,23		12,70			
185												26,50										
190											27,70						20,58		16,03		10,76	
200														29,25	27,48			22,30	19,98		14,75	
220												37,83									19,50	
230																	34,70				26,40	
250																				35,30		
260																		46,20			39,65	29,50

Nylon Sheets and leaves
Feuilles et plaques en nylon
Fogli e lastre in nylon



(Thickness in mm – Mass in kg/mm^2)
(épaisseur en mm -masse en kg/mm^2)
(spessore in mm - massa in kg/mm^2)

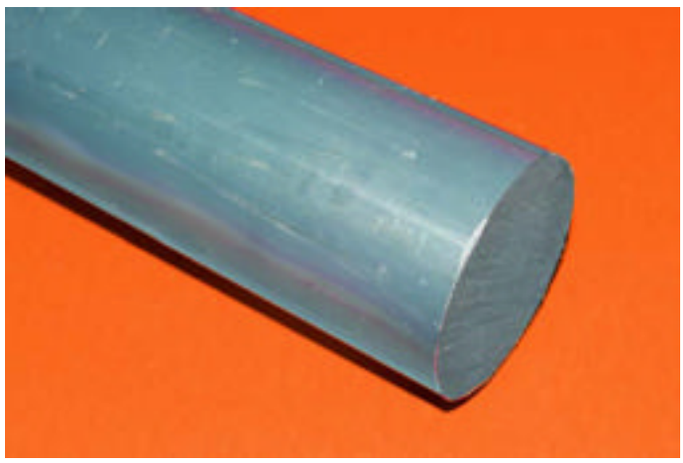
Thickness *Épaisseur* Spessore	**NYLON 202**	**DERLIN 900**
0,3	0,34	-
0,5	0,57	0,71
0,8	0,90	-
1,0	1,14	1,42
1,2	1,37	-
1,5	1,71	-
2,0	2,28	2,84
2,5	2,85	-
3,0	3,42	4,26
4,0	4,56	5,68
5,0	5,70	7,10
6,0	6,84	8,52
8,0	9,10	11,36
10,0	11,40	14,20
12,0	13,70	17,04
15,0	17,10	21,30
20,0	22,80	28,40
25,0	28,50	35,50
30,0	34,20	42,60
35,0	39,90	49,70
40,0	45,60	56,80
50,0	57,00	71,00
60,0	68,40	85,20
70,0	79,80	99,40
80,0	91,20	113,60
90,0	-	-
100,0	-	-

Round PVC Bars
Barres rondes en PVC
Barre tonde in PVC

Standard colours:
Natural, grey, black, red, up to 200 mm Ø
Natural, grey over 200 mm Ø
Standard length:
1000 mm or 2000 mm from 5 to 200 mm Ø
1000 mm 225-250 mm ø
500 mm 300 mm Ø

Couleurs standard:
Naturel, gris, noir, rouge jusqu'à Ø 200 mm
Naturel, gris, au-delà de Ø 200 mm
Longueurs standard:
1000 mm o 2000 mm da Ø 5 a 200 mm
1000 mm Ø 225-250 mm
500 mm Ø 300 mm

Colori standard:
Naturale, grigio, nero, rosso, fino Ø 200 mm
Naturale, grigio, oltre Ø 200 mm
Lunghezze standard:
1000 mm o 2000 mm da Ø 5 a 200 mm
1000 mm Ø 225-250 mm
500 mm Ø 300 mm



Mechanical features.
Shock resistance meets DIN 7748. Low rigidity and solidity. At 0°C, their shock resistance may be insufficient. Easily gluable and weldable.

Thermal features:
Suggested for temperatures not exceeding 60°C. Higher temperatures cause a reduction of its mechanical features with decreasing rigidity and solidity.

Chemical features:
High acid and alcohol resistance, low aromatic and chlorinated hydrocarbons resistance; not suitable for contact with foodstuff.

Electrical features:
Good insulating properties. Low flammability, good UV and weather resistance.

Propriétés mécaniques:
La résistance aux chocs satisfait la DIN7748. Il présente une rigidité basse et solidité. A 0°C sa résistance aux chocs est inférieure. Il peut être collé ou soudé facilement.

Propriétés thermiques:
On conseille de ne pas dépasser les 60°C en dessus desquels on vérifie une réduction des propriétés mécaniques avec une perte progressive de rigidité et de solidité.

Propriétés chimiques:
Haute résistance aux acides et aux alcools mais basse résistance aux hydrocarbures aromatiques et chlorurés: non adapté au contact de produits alimentaires.
Propriétés électriques:
Bon isolant. Inflammabilité difficile, bonne résistance aux UV et aux intempéries.

Proprietà meccaniche:
La resistenza agli urti soddisfa la DIN 7748. Presenta una bassa rigidità e solidità. A 0°C la sua resistenza agli urti risulta essere insufficiente. Incollabile e saldabile con facilità.

Proprietà termiche:
Consigliabile non supera i 60°C sopra i quali si verifica una riduzione delle proprietà meccaniche con la progressiva perdita di rigidità e solidità.

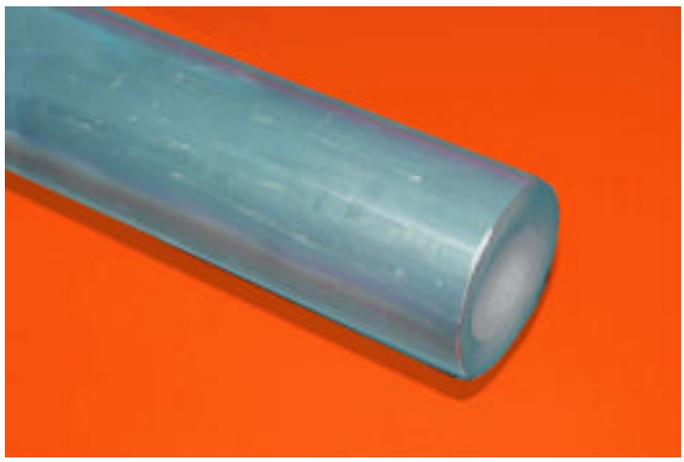
Proprietà chimiche:
Elevata resistenza agli acidi e alcooli, ma bassa agli idrocarburi aromatici e clorurati: non adatto al contatto con prodotti alimentari.

Proprietà elettriche:
Buon isolante. Difficile infiammabilità, buona resistenza agli UV e intemperie.

∅ **mm**	**Mass** / *Masse* / Massa **kg/m**
5	0,03
6	0,04
8	0,07
10	0,12
12	0,17
15	0,26
16	0,30
18	0,37
20	0,46
22	0,56
25	0,72
30	1,03
35	1,40
40	1,83
45	2,31
50	2,85
55	3,45
60	4,10

∅ **mm**	**Mass** / *Masse* / Massa **kg/m**
65	4,81
70	5,58
75	6,40
80	7,28
85	8,22
90	9,22
100	11,38
110	13,77
120	16,44
130	19,24
140	22,30
150	25,60
160	29,15
180	36,88
200	45,53
225	57,65
250	71,15
300	102,45

Hollow PVC Bars
Barres trouées en PVC
Barre forate in PVC



Sizes marked in bold are usually available.
Standard colours: natural, grey.
Colours upon request: red, black.
Standard length. 2000 mm.

Les mesures marquées en caractères gras sont normalement disponibles.
Couleurs standard: naturel, gris.
Couleurs sur demande: noir, rouge.
Longueur standard: 2000 mm.

Le misure segnate in grassetto sono normalmente disponibili.
Colori standard: naturale, grigio.
Colori a richiesta: nero, rosso.
Lunghezza standard: 2000 mm.

Plastics
Matériaux plastiques
Materiali plastici

∅ **mm int. x ext.** *∅ mm int. x ext.* ∅ mm int. x est.	**Mass kg/m** *Masse kg/m* Massa kg/m
10 x 30	0,99
15 x 35	1,25
15 x 40	1,70
20 x 40	1,50
20 x 45	2,00
20 x 50	2,55
25 x 50	2,35
30 x 50	2,07
20 x 60	3,86
30 x 60	3,37
25 x 65	4,40
30 x 65	4,10
20 x 70	5,40
30 x 70	4,90
35 x 70	4,55
50 x 75	4,15
30 x 80	6,68
40 x 80	5,78
50 x 80	5,05
25 x 90	8,95
30 x 90	8,70
35 x 90	8,35
50 x 90	7,05
60 x 90	5,90
30 x 100	10,90
40 x 100	10,20
50 x 100	9,30
60 x 100	8,15
70 x 100	6,80
25 x 110	13,65
40 x 110	12,83
50 x 110	11,78

∅ **mm int. x ext.** *∅ mm int. x ext.* ∅ mm int. x est.	**Mass kg/m** *Masse kg/m* Massa kg/m
60 x 110	10,62
75 x 110	8,50
25 x 120	16,45
40 x 120	15,45
50 x 120	14,55
60 x 120	13,40
75 x 120	11,70
30 x 130	19,00
50 x 130	17,50
90 x 130	11,65
60 x 140	19,60
70 x 150	22,05
80 x 150	20,00
80 x 160	23,65
100 x 160	19,85
80 x 180	31,65
100 x 180	27,85
120 x 180	23,05
140 x 180	17,30
80 x 200	40,50
100 x 200	36,70
120 x 200	31,90
140 x 200	26,20
150 x 200	22,85
80 x 225	53,20
100 x 225	49,20
120 x 225	44,40
140 x 225	39,80
150 x 225	35,35
120 x 250	58,40
140 x 250	52,70
150 x 250	50,00

PTFE (polytetrafluoroethylene) rounds
Ronds en PTFE (polytétrafluoréthylène)
Tondi in PTFE (politetrafluoroetilene)

Extruded: up to 150 mm ø
L = 1000 or 2000 mm
Pressed: 30 to 300 mm / ø
L = 300 mm
Upon request:
Pressed bars in greater diameters
Extruded and pressed hollow bars

Extrudés jusqu'à Ø 150 mm.
L = 1000 o 2000 mm.
Moulés de Ø 30 à 300 mm.
L = 300 mm
Sur demande:
Barres moulées de Ø supérieur
Barre trouées extrudées et moulées.

Estrusi fino Ø 150 mm.
L = 1000 o 2000 mm.
Stampati da Ø 30 a 300 mm.
L = 300 mm
A richiesta:
Barre stampate di Ø maggiore
Barre forate estruse e stampate.

PTFE TEFLON®
Mechanical features
Immediate deformation under growing loads with extremely low coefficient of friction

Thermal features
Low heat transmission coefficient, stable up to 260°C

Chemical features
Inert to all chemical reagents, at temperatures next to its melting point, a few fluorinated oils may melt it.

Electrical features
Excellent dielectric features. Non flammable.

PTFE TEFLON ®
Propriétés mécaniques:
Déformation immédiate sous charge croissante mais coefficient de frottement très bas.

Propriétés thermiques:
Coefficient bas de transmission thermique, stable jusqu'à 260°C.

Propriétés chimiques:
Inerte à tous les réacteurs chimiques, à températures proches du point de fusion, certaines huiles fortement fluorées peuvent le dissoudre.

Propriétés électriques:
Très bonne qualités diélectriques. Non inflammable.

PTFE TEFLON ®
Proprietà meccaniche:
Deformazione immediata sotto carico crescente ma coefficiente d'attrito bassissimo.

Proprietà termiche:
Basso coefficiente di trasmissione termica, stabile fino a 260°C.

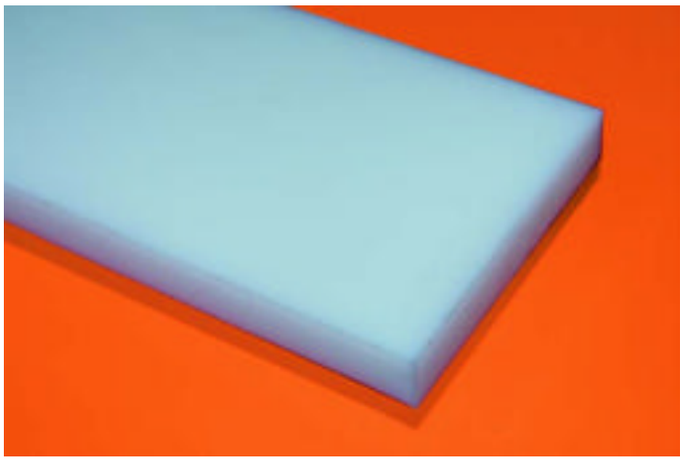
Proprietà chimiche:
Inerte a tutti i reagenti chimici, a temperature prossime al punto di fusione, alcuni oli fortemente florurati possono scioglierlo.

Proprietà elettriche:
Ottime qualità dielettriche. Non infiammabile.

∅	**Tolerance** *Tolérance* Tolleranza	**Weight kg/m** *Masse kg/m* Massa kg/m
6	0/+0,4	0,07
7	0/+0,4	0,09
8	0/+0,4	0,12
10	0/+0,4	0,18
12	0/+0,8	0,26
14	0/+0,8	0,36
15	0/+0,8	0,41
16	0/+0,8	0,47
18	0/+0,8	0,60
20	0/+0,8	0,73
22	0/+1,2	0,90
25	0/+1,2	1,13
30	0/+1,2	1,65
35	0/+1,2	2,25
40	0/+1,6	2,90
45	0/+2,0	3,72
50	0/+2,0	4,60
55	0/+2,4	5,55

∅	**Tolerance** *Tolérance* Tolleranza	**Weight kg/m** *Masse kg/m* Massa kg/m
60	0/+2,4	6,60
65	0/+2,8	7,75
70	0/+2,8	8,90
75	0/+3,2	10,30
80	0/+3,2	11,80
85	0/+3,6	13,20
90	0/+3,6	14,80
95	0/+4,0	16,60
100	0/+4,0	18,30
110	0/+5,0	22,00
120	0/+5,0	26,00
130	0/+5,0	30,00
140	0/+5,0	35,00
150	0/+6,0	40,00
160	0/+6,0	46,50
170	0/+6,0	53,00
180	0/+6,0	57,50
200	0/+6,0	71,00

PTFE strips and sheets
Rubans et plaques en PTFE
Nastri e lastre in PTFE



Thickness and format in mm – weight in kg/m^2
Épaisseur et format en mm - masse kg/m^2
Spessore e formato in mm - massa kg/m^2

∅	**Tolerance** *Tolérance* Tolleranza	**Approx. weight** *Masse approx.* Massa appross.	**Format** *Format* Formato
0,5	0/+0,03	1,14	600/1200xcont.
0,8	0/+0,04	1,82	600/1200xcont.
1	0/+0,1	2,28	600/1200xcont.
1,5	0/+0,1	3,42	600/1200xcont.
2	0/+0,2	4,56	600/1200xcont.
2	0/+0,4	4,56	1200x1200
2,5	0/+0,3	5,70	1200x1200
3	0/+0,3	6,84	600/1200xcont.
3	0/+0,6	6,84	1200x1200
4	0/+0,8	8,80	1200x1200
5	0/+1,0	11,00	1200x1200
6	0/+1,0	13,20	1200x1200
8	0/+1,2	17,60	1200x1200, 1000x2000
10	0/+1,5	22,00	1200x1200, 1000x2000
12	0/+1,8	26,40	1200x1200, 1000x2000
15	0/+2,25	33,00	1200x1200, 1000x2000
20	0/+3,0	44,00	1200x1200, 1000x2000
25	0/+3,75	55,00	1200x1200, 1000x2000
30	0/+4,5	66,00	1200x1200, 1000x2000
40	0/+6,0	88,00	1200x1200, 1000x2000
50	0/+7,5	110,00	1200x1200, 1000x2000
60	0/+9,0	132,00	1200x1200, 1000x2000

Polyethylene PE/Polypropylene PP/Polyvinyl Chloride PVC
Polyethylene PE/Polypropylène PP/Polyvinylchlorure PVC
Polietilene PE/Polipropilene PP/Polivinilcloruro PVC

SHEETS
Thickness in mm – weight in kg/m^2

Tolerance:

Extruded sheets:	**2 to 40 mm ± (0.03 per thickness) mm**
Ground moulded sheets:	**15 to 40 mm ± 0.02 mm**
	50 to 80 mm ± 0.03 mm
	90 to 100 mm ± 0.04 mm

Colours:

PE/300 - PE/500 e PE/1000:	**natural – black – green (other colours upon request)**
PP:	**grey RAL 7032 – natural (upon request)**
PVC:	**natural – grey RAL 7011 – black – red**

PLAQUES
épaisseur en mm - masse kg/m^2

Tolérances:

Plaques extrudées:	*de 2 à 40 mm ± 0,08 +(0,03 x épaisseur) mm*
Plaques pressées rectifiées:	*de 15 à 40 mm ± 0,02mm*
	de 50 à 80 mm ± 0,03mm
	de 90 à 100 mm ± 0,04mm

Couleurs:

PE/300 - PE/500 et PE/1000:	*naturel - noir - vert - (autres couleurs sur demande)*
PP:	*gris RAL 7032 - naturel (sur demande)*
PVC:	*naturel - gris RAL 7011 - noir -rouge*

LASTRE
spessore in mm - massa kg/m^2

Tolleranze:

Lastre estruse:	da 2 a 40 mm ± 0,08 +(0,03 x spessore) mm
Lastre pressate rettificate:	da 15 a 40 mm ± 0,02mm
	da 50 a 80 mm ± 0,03mm
	da 90 a 100 mm ± 0,04mm

Colori:

PE/300 - PE/500 e PE/1000:	naturale - nero - verde (altri colori a richiesta)
PP:	grigio RAL 7032 - naturale (a richiesta)
PVC:	naturale - grigio RAL 7011 - nero - rosso

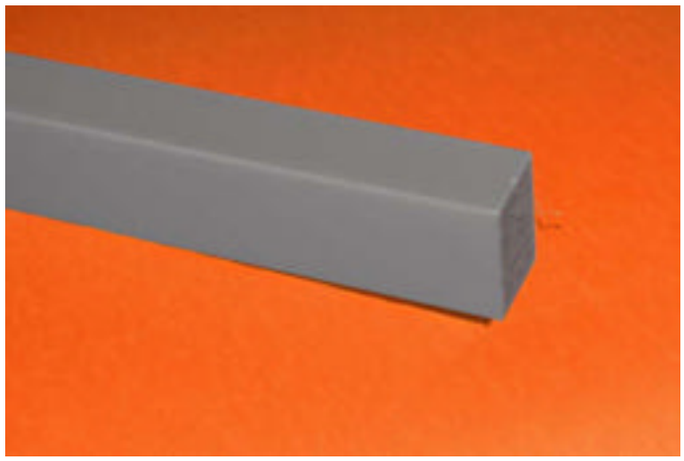
	PE 300*	PE 500* PE 1000*	PP	PVC	PVC **Transparent** *Transparent* Trasparente
Thickness *Épaisseur* Spessore	**Approx. weight** *Poids approx.* Massa appr.	**Approx. weight** *Poids approx.* Massa appr.	**Approx. weight** *Poids approx.* Massa appr.	**Approx. weight** *Poids approx.* Massa appr.	**Approx. weight** *Poids approx.* Massa appr.
1	-	-	0,92	1,45	1,45
1,5	-	-	1,38	2,20	-
2	1,90	-	1,86	2,90	2,90
3	2,85	-	2,76	4,35	4,35
4	3,80	-	3,68	5,80	5,80
5	4,80	-	4,60	7,25	7,25
6	5,70	-	5,52	8,70	8,70
8	7,60	7,60	7,36	11,60	11,60
10	9,50	9,50	9,20	14,50	14,50
12	11,40	11,40	11,05	17,40	-
15	14,25	14,25	13,80	21,75	-
20	19,00	19,00	18,40	29,00	-
25	23,75	23,75	23,00	36,25	-
30	28,50	28,50	27,60	43,50	-
35	-	33,90	-	50,75	-
40	38,00	38,00	36,80	58,00	-
50	-	47,50	46,00	72,50	-
60	-	57,00	55,20	87,00	-
70	-	68,20	-	-	-
80	-	78,00	-	-	-
90	-	87,30	-	-	-
100	-	97,00	-	-	-

Sheets formats in mm
Formats des plaques en mm
Formati delle lastre in mm

Type and format *Type et epaisseur* Tipo e spessore	**1000x2000**	**1500x3000**	**2000x4000**
PE 300			
2 to 30/*de 2 à 30*/da 2 a 30	•	•	
40	•		
PE 500 - PE 1000			
10 to 70/*de 10 à 70*/da 10 a 70	•		•
80 to 100/*de 80 à 100*/da 80 a100	•		
PP			
2 to 30/*de 2 à 30*/da 2 a 30	•	•	
40 to 60/*de 40 à 60*/ da 40 a 60	•		
PVC			
2 to 30/*de 2 à 30*/da 2 a 30	•	•	
40 to 60/*de 40 à 60*/ da 40 a 70	•		

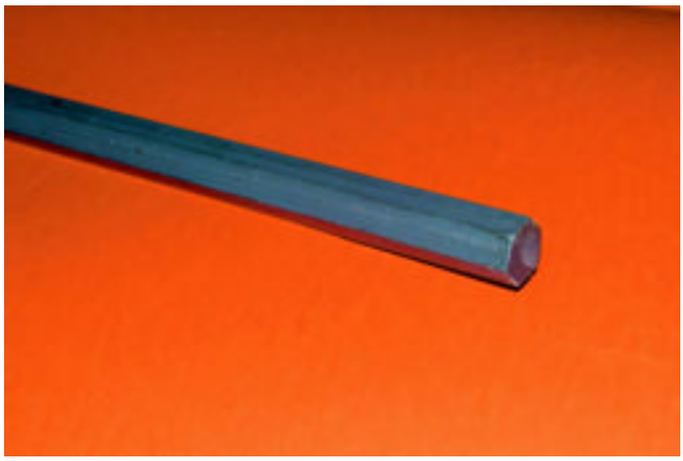
Other formats: upon request
Autres formats : sur demande
Altri formati: a richiesta

Square PVC Bars
Barres carrées en PVC
Barre quadre in PVC



Thickness *Épaisseur* Spessore **mm**	**Weight** *Masse* Massa **kg/m²**
10	0,15
12	0,21
15	0,33
17	0,42
20	0,58
22	0,70
25	0,91
30	1,31
40	2,32
50	3,63
60	5,22

Hexagonal PVC Bars
Barres hexagonales en PVC
Barre esagonali in PVC



Standard length: 2000 mm
Standard colours: natural, grey

Longueur standard: 2000 mm
Couleurs standard: naturel, gris

Lunghezza standard: 2000 mm
Colori standard: naturale, grigio

Size *Clé* Chiave **mm**	**Weight** *Poids* Peso **kg/m^2**
10	0,13
12	0,20
14	0,24
17	0,36
19	0,45
22	0,62
25	0,78
28	1,00
32	1,30
36	1,58

Polyethylene PE/Polyvinyl Chloride PVC
Polyéthylène PE/Polyvinylchlorure PVC
Polietilene PE/Polivinilcloruro PVC

FLEXIBLE SHEETS IN BOBBINS
Thickness in mm – Weight in Kg/m^2

Standard bobbin formats:

PE/HD	**H =1000 mm**	**L = 50 m**
PE/LD	**H =1000 mm**	**L = 50 m**

Transparent PVC for doors:

H = 200 - 300 - 400 mm	**L = 50 m**	**For any thickness**
H = 1000 mm	**L = 50 m**	**For 1 and 1.5 mm thicknesses**
H = 1000 - 1300 - 1500 mm	**L = 20 m**	**For 2-3-4-5-6 mm thicknesses**

Any thickness from 2 to 12 mm workable upon request
Any height from 200 to 2200 mm workable upon request
Any length workable upon request

Natural PVC for gaskets:

H = 1000 mm	**L = 30 m**	**for 1 and 1,5 mm thicknesses**
H = 1000 mm	**L = 20 m**	**for 2 and 3 mm thicknesses**
H = 1000 mm	**L = 12 m**	**for 4 - 5 and 6 mm thicknesses**

PLAQUES FLEXIBLES EN BOBINES
Épaisseur en mm - masse kg/m^2

Formats standard des bobines:

PE/HD	*H =1000 mm*	*L = 50 m*
PE/LD	*H =1000 mm*	*L = 50 m*

PVC transparent pour portes:

H = 200 - 300 - 400 mm	*L = 50 m*	*pour toutes les épaisseurs*
H = 1000 mm	*L = 50 m*	*épaisseur 1 et 1,5 mm.*
H = 1000 - 1300 - 1500 mm	*L = 20 m*	*épaisseur 1 - 3 - 4 - 5 e 6 mm.*

Sur demande toutes les épaisseurs de 2 à 12 mm sont réalisables.
Sur demande toutes les hauteurs comprises entre 200 et 2200 mm sont réalisables.
Sur demande toutes les longueurs sont réalisables.

PVC natuel pour joints:

H = 1000 mm	*L = 30 m*	*épaisseur 1 et 1,5 mm.*
H = 1000 mm	*L = 20 m*	*épaisseur 2 et 3 mm.*
H = 1000 mm	*L = 12 m*	*épaisseur 4 - 5 e 6 mm.*

LASTRE FLESSIBILI IN BOBINE
spessore in mm - massa kg/m^2

Formati standard delle bobine:

PE/HD	H =1000 mm	L = 50 m
PE/LD	H =1000 mm	L = 50 m

PVC trasparente per porte:

H = 200 - 300 - 400 mm	L = 50 m	per tutti gli spessori.
H = 1000 mm	L = 50 m	spessore 1 e 1,5 mm.
H = 1000 - 1300 - 1500 mm	L = 20 m	spessore 1 - 3 - 4 - 5 e 6 mm.

A richiesta realizzabile qualsiasi spessore da 2 a 12 mm.
A richiesta realizzabile qualsiasi altezza compresa tra 200 e 2200 mm.
A richiesta realizzabile qualsiasi lunghezza.

PVC naturale per guarnizioni:

H = 1000 mm	L = 30 m	spessore 1 e 1,5 mm.
H = 1000 mm	L = 20 m	spessore 2 e 3 mm.
H = 1000 mm	L = 12 m	spessore 4 - 5 e 6 mm.

Thickness *Épaisseur* Spessore	**PE/HD**	**PE/LD**	**PVC** **Transparent for doors** Transparent pour portes Trasparente per porte	**PVC** **Natural for gaskets** *Naturel pour joint* Naturale per guarnizioni
0,5	-	0,48	-	-
1	0,95	0,95	1,30	1,30
1,5	1,43	1,43	1,95	1,95
2	1,90	1,90	2,60	2,60
2,5	-	2,35	-	-
3	-	2,85	3,90	3,90
4	-	3,80	5,20	5,20
5	-	4,80	6,50	6,50
6	-	-	7,80	7,80

Flexible PVC
PVC flexible
PVC flessibile

Transparent PVC for doors

H = 200-300-400 mm	**L = 50 m**	**For any thickness**
H = 1000 mm	**L = 50 m**	**For 1 and 1.5 mm thicknesses**
H = 1000-1300-1500 mm	**L = 20 m**	**For 2-3-4-5-6 mm thicknesses**

Any thickness from 2 to 12 mm workable upon request
Any height from 200 to 2200 mm workable upon request
Any length workable upon request

PVC transparent pour portes:

H = 200-300-400 mm	*L = 50 m*	*pour toutes les épaisseurs*
H = 1000 mm	*L = 50 m*	*épaisseur 1 et 1,5 mm*
H = 1000-1300-1500 mm	*L = 20 m*	*épaisseur 2 - 3 - 4 - 5 et 6 mm*

Sur demande toutes les épaisseurs de 2 à 12 mm sont réalisables.
Sur demande toutes les hauteurs comprises entre 200 et 2200 mm sont réalisables.
Sur demande toutes les longueurs sont réalisables.

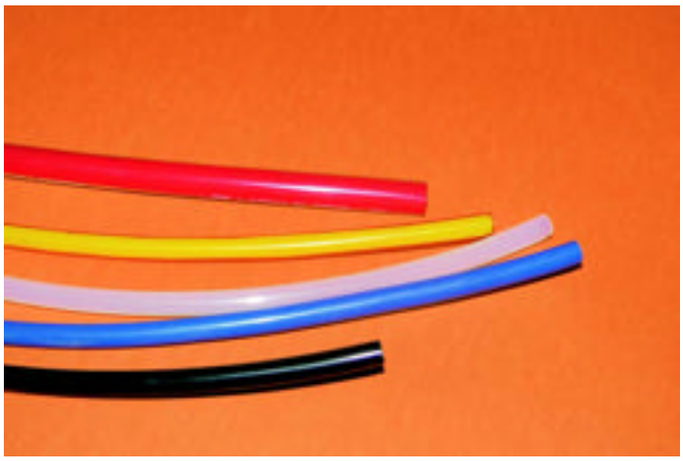
PVC trasparente per porte:

H = 200-300-400 mm	L = 50 m	per tutti gli spessori
H = 1000 mm	L = 50 m	spessore 1 e 1,5 mm
H = 1000-1300-1500 mm	L = 20 m	spessore 2 - 3 - 4 - 5 e 6 mm

A richiesta realizzabile qualsiasi spessore da 2 a 12 mm.
A richiesta realizzabile qualsiasi altezza compresa tra 200 e 2200 mm.
A richiesta realizzabile qualsiasi lunghezza.

Thickness *Épaisseur* Spessore	**PVC** **Transparent for doors** *Transparent pour portes* Trasparente per porte
0,5	-
1	1,30
1,5	1,95
2	2,60
2,5	-
3	3,90
4	5,20
5	6,50
6	7,80

Tubing
Tuyaux
Tubetti



NYLON®/*NYLON®*/NYLON®
RILSAN/*RILSAN*/RILSAN
POLYETHYLENE/*POLYETHYLENE*/POLIETILENE

Standard colour: natural
Available colours upon request: red, yellow, green, black, light blue, blue
100 m rolls up to 12 mm ext. ø
50 m rolls for ext. ø over 12 mm
NYLON® and RILSAN are suitable for temperatures ranges from -10°C to +90°C, POLYETHYLENE from -10°C to +60°C.
Pressure resistance values vary based on the temperature according to the following percentages:

Temperature	**°C**	**20**	**40**	**60**	**80**
	%	**100**	**67**	**53**	**41**

Couleur standard: naturel
Couleurs sur demande: rouge, jaune, vert, noir, bleu clair, bleu
Rouleaux de 100 m jusqu'à Ø ext. 12 mm,
De 50 m outre Ø ext. 12 mm.
Le NYLON® et le RILSAN peuvent être utilisés à des températures entre -10°C et +90°C, le POLYETHYLENE entre -10°C et +60°C.
Les valeurs de résistance à la pression se modifie avec la variation de la température, de la manière suivante:

Température	*°C*	*20*	*40*	*60*	*80*
	%	*100*	*67*	*53*	*41*

Colore standard: naturale.
Colori a richiesta: rosso, giallo, verde, nero, azzurro, blu
Rotoli da mt. 100 fino Ø est. 12 mm,
da mt. 50 oltre Ø est. 12 mm.
Il NYLON® ed il RILSAN possono essere impiegati con temperature fra -10° e +90°, il POLIETILENE fra -10° e +60°.
I valori di resistenza alla pressione si modificano, al variare della temperatura, percentualmente nel seguente modo:

Temperatura	°C	20	40	60	80
	%	100	67	53	41

Dimensions *Dimensions* Dimensioni	**NYLON®**			**RILSAN**			**POLYETHYLENE** *POLYETHYLENE* POLIETILENE		
Ø ext. x int. *Ø ext. x int.* Ø est. x int. **mm**	**Mass** *Masse* Massa **kg/100 m**	**ATE** **to 20°C** *à 20°C* a 20°C	**Bending radius** *Rayon courbe* Raggio curva **mm**	**Mass** *Masse* Massa **kg/100 m**	**ATE** **to 20°C** *à 20°C* a 20°C	**Bending radius** *Rayon courbe* Raggio curva **mm**	**Mass** *Masse* Massa **kg/100 m**	**ATE** **to 20°C** *à 20°C* a 20°C	**Bending radius** *Rayon courbe* Raggio curva **mm**
2 x 1	0,28	50	20	0,26	66	10	0,23	30	10
2 x 1,5	0,16	25	25	0,15	25	20	-	-	-
3 x 2	0,45	50	25	0,45	25	15	-	-	-
4 x 2	1,08	80	25	1,00	66	20	0,91	30	18
4 x 2,5	0,88	60	30	0,78	46	20	0,73	20	20
4 x 3	0,65	35	30	0,60	28	25	0,52	10	22
5 x 3	1,45	60	30	1,35	50	25	1,20	25	25
6 x 4	1,80	45	45	1,65	40	35	1,50	20	30
7 x 5	2,20	40	50	1,95	33	38	1,80	16	35
8 x 5	3,50	60	62	3,20	46	40	3,00	23	40
8 x 6	2,50	35	65	2,34	29	40	2,10	14	40
10 x 6	5,60	60	70	5,20	48	60	4,80	30	55
10 x 7	4,55	40	75	4,25	35	60	3,85	20	60
10 x 8	3,20	25	80	3,00	18	60	2,70	9	60
12 x 8	7,20	50	80	6,40	40	60	6,00	20	60
12 x 10	4,00	23	100	3,65	17	85	3,30	7	80
14 x 10	8,60	40	90	7,80	32	80	7,20	16	80
14 x 12	4,70	18	100	4,30	15	90	-	-	-
15 x12	7,00	25	120	6,70	20	90	6,10	10	85
16 x 12	10,00	35	120	9,30	24	95	8,40	12	100
16 x 14	5,40	14	140	5,00	11	100	-	-	-
18 x 15	9,00	20	200	8,30	16	140	-	-	-
18 x 16	6,40	12	410	5,60	10	350	-	-	-
20 x 16	-	-	-	12,00	20	130	10,80	10	150
22 x 18	14,35	30	300	13,30	18	200	-	-	-

mori s.p.a.

take care of your business

thermoacoustic material

matériel thermo acoustique

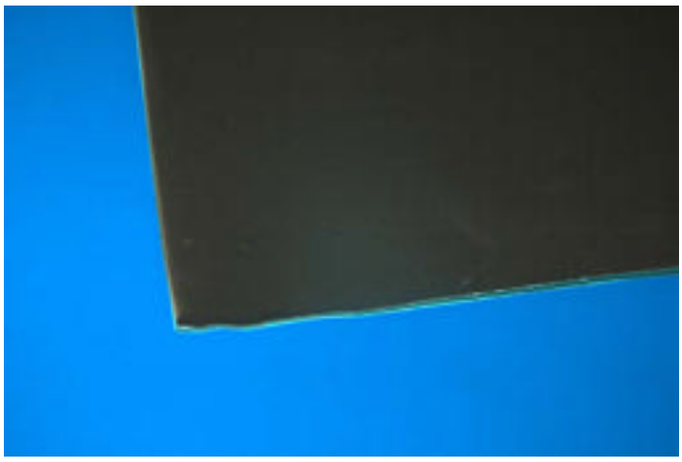
materiale termoacustico

General legend / *Légende* / Legenda

COLOURS / *COULEURS* / COLORI

A = **anthracite** / *anthracite* / antracite
C = **beige** / beige / beige
H = **flowers** / *fleuri* / fiorito
L = **blue** / *bleu* / blu (ral 5023)
N = **black** / *noir* / nero
R = **red** / *rouge* / rosso (ral 3003)
U = **nut** / *noisette* / noce
W = **optical white** / *blanc optique* / bianco ottico
B = **white** / *blanc* / bianco
G = **light gray** / *gris clair* / grigio chiaro
K = **bud** / *bouton* / bocciolo
M = **brown** / *marron* / marrone
P = **lead** / *plomb* / piombo
T = **transparent** / *transparent* / trasparente
V = **varied** / *divers* / assortito
Y = **yellow** / *jaune* / giallo (ral 1004)

Musstik P06
Musstik P06
Musstik P06



MUSSTIK is an epdm-foam material with closed cells, putrefaction-resistant. Black colour.
<u>Application fields:</u> Used mainly as noise-insulating material, anti-condensation material, etc. Available in adhesive version.

<u>Technical data:</u>
Density: 130 kg/m^3 ± 15%
Shore hardness: 45 shore
Temperature-resistance: -40°C +70°C continous
-40°C +100°C peak
Good resistance against atmospherical agents, alkali, acids, alcohol, petrol.
Adhesive: Acrilyc water-based, not toxic, adhesive

<u>Standard size:</u>
Thickness: mm 2-3-4-5-6-8-10-15-20-30-40-50 other sizes available on demand
Supplied: in rolls of 100 cm width or sheets in 2000 x 1000 mm according to your requirements

MUSSTIK est un matériau est caoutchouc expansé EPDM à cellules fermées, imputrescible. Couleur noire. Disponible avec une surface adhésive pour en faciliter la pose.
<u>Champs d'application:</u> comme isolant anti-condensation (conditionnement d'air, réfrigération), isolant acoustique et comme joint d'étanchéité à l'eau, poussière et bruits.

<u>Caractéristiques techniques:</u>
Densité: 130 kg/m^3 ± 15%
Dureté: 45 shore
Résistance à la température: -40°C +70°C continu
-40°C +100°C intermittent
Très bonne résistance aux agents atmosphériques, alcalis, acides, alcools, essence.
Adhésif: Acrylique à base d'eau, non toxique

<u>Dimensions standard:</u>
Epaisseurs: mm 2-3-4-5-6-8-10-15-20-30-40-50 et autres sur demande
Fournis: en rouleaux de 100 cm pour la version “adhésive”, en plaques de 2000 x 1000 mm ou en rouleaux h. 100 cm pour la version “non adhésive” (selon vos exigences).

MUSSTIK è un materiale in gomma espansa EPDM a cellule chiuse, imputrescibile. Colore nero. Disponibile con una superficie adesiva per facilitarne la posa in opera.
Campi di applicazione: come isolante anticondensa (condizionamento d'aria, refrigerazione), isolante acustico e come guarnizione di tenuta all'acqua, polvere e rumori.

Caratteristiche tecniche:
Densità: 130 kg/m^3 ± 15%
Durezza: 45 shore
Resistenza alla temperatura: -40°C +70°C in continuo
-40°C +100°C intermittente
Ottima resistenza agli agenti atmosferici, alcali, acidi, alcool, benzina.
Adesivo: Acrilico a base d'acqua, non tossico

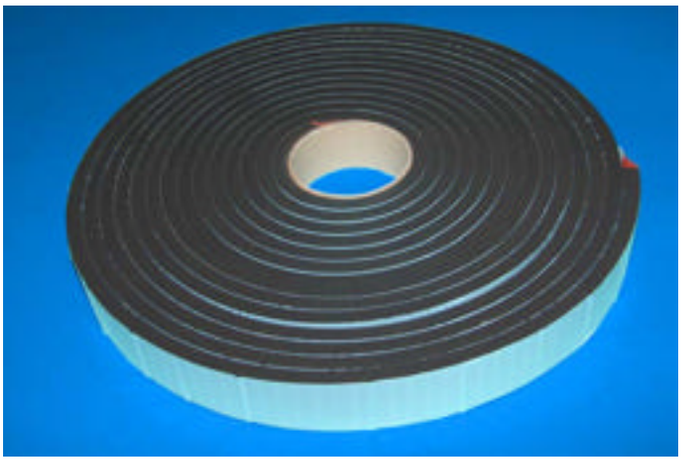
Dimensioni standard:
Spessori: mm 2-3-4-5-6-8-10-15-20-30-40-50 e altri su richiesta
Fornito: rotoli 100 cm per la versione "adesiva"; lastre 2000 x 1000 mm o rotoli h. 100 cm per la versione "non adesiva" (secondo vs. esigenze).

MUSSTIK

1	**Width** *Hauteur* Altezza **(mm)**	**Thickness** *Épaisseur* Spessore **(mm)**	**Unit LM/M^2** *Unité de mesure* Unità di mis.	**Colour** *Coleur* Colore **(1)**	**Pack LM/M^2** *Conf. ML/MQ* Conf. ML/MQ
	100	2	MQ	N	150
	100	3	MQ	N	150
	100	4	MQ	N	100
	100	5	MQ	N	100
	100	6	MQ	N	100
	100	8	MQ	N	50
	100	10	MQ	N	50
	100	15	MQ	N	50
	100	20	MQ	N	30
AR	100	2	MQ	N	150
AR	100	3	MQ	N	150
AR	100	4	MQ	N	100
AR	100	5	MQ	N	100
AR	100	6	MQ	N	100
AR	100	8	MQ	N	50
AR	100	10	MQ	N	50
AR	100	15	MQ	N	25
AR	100	20	MQ	N	15
	100X200	30	MQ	N	32
	100X200	40	MQ	N	24
	100X200	50	MQ	N	20
AR	100X200	30	MQ	N	32
AR	100X200	40	MQ	N	24
AR	100X200	50	MQ	N	20

AR = Adhesive version on net-support
AR = Version adhésive sur support grillagé
AR = Versione adesiva su supporto retinato

Musstik P19
Musstik P19
Musstik P19



MUSSTIK is a self-adhesive sealing gasket in epdm-foam with closed cells and putrefaction-resistant.
MUSSTIK is also available, paked in printed bags.
Application fields: As sealing gaskets against draught, dust, water and noises.

Technical data:
Density: 130 kg/m^3 ± 15%
Shore hardness: 45 shore
Temperature-resistance: -40°C +70°C continous
-40°C +100°C peak
Good resistance against atmospherical agents, alkali, acids, alcohol, petrol.
Adhesive: Acrilyc not toxic spreaded on net-support

Standard size:
Width: 10-15-20-25-30 mm other sizes available on demand
Thickness: 2-3-4-5-6-8-10-15-20 mm other sizes available on demand
Lenght: in rolls from 5 to 25 mt according to thickness.

MUSSTIK est un matériau est caoutchouc expansé EPDM à cellules fermées, imputrescible. Couleur noire.
MUSSTIK est également disponible en rouleau confectionné en enveloppe moulée.
Champs d'application: joints d'étanchéité à l'eau, poussière et bruits.

Caractéristiques techniques:
Densité: 130 kg/m^3 ± 15%
Dureté: 45 shore
Résistance à la température: en continu
Intermittent
Très bonne résistance aux agents atmosphériques, alcalis, acides, alcools, essence.
Adhésif: Acrylique non toxique sur support grillagé.

Dimensions standard:
Largeur: 10-15-20-25-30 mmet autres sur demande
Épaisseurs: 2-3-4-5-6-8-10-15-20 mm et autres sur demande
Longueur: rouleaux de 5 à 25 m selon l'épaisseur.

MUSSTIK è una guarnizione adesiva in gomma espansa EPDM a cellule chiuse, imputrescibile, colore nero.
MUSSTIK è anche disponibile in rotolo confezionato in busta stampata.
Campi di applicazione: Guarnizioni di tenuta all'aria, alla polvere, all'acqua ed al rumore.

Caratteristiche tecniche:
Densità: 130 kg/m^3 ± 15%
Durezza: 45 shore
Resistenza alla temperatura: -40°C +70°C in continuo
-40°C +100°C intermittente
Ottima resistenza agli agenti atmosferici, alcali, acidi, alcool, benzina.
Adesivo: Acrilico non tossico spalmato su supporto retinato.

Dimensioni standard:
Larghezza: 10-15-20-25-30 mm e altre su richiesta
Spessori: 2-3-4-5-6-8-10-15-20 mm e altri su richiesta
Lunghezza: rotoli da 5 a 25 mt secondo lo spessore.

MUSSTIK busta Mappy*
*MUSSTIK envelope Mappy**
MUSSTIK busta Mappy*

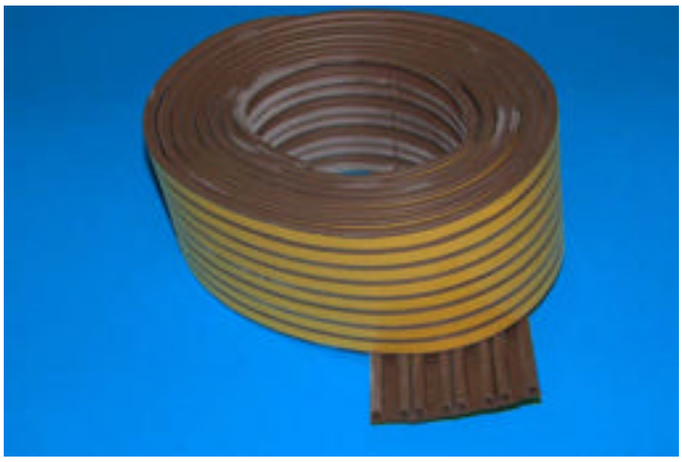
Thickness *Épaisseur* Spessore **(mm)**	**Width** *Largeur* Larghezza **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
3	10	20	N
3	15	20	N
3	20	20	N
3	25	20	N
3	30	20	N
5	10	15	N
5	15	15	N
5	20	15	N
5	25	15	N
5	30	15	N
10	10	10	N
10	15	10	N
10	20	10	N
10	25	10	N
10	30	10	N

*** Transfert adhesive**
** Adhésif Transfert*
* Adesivo Transfert

MUSSTIK

Thickness *Épaisseur* Spessore **(mm)**	**Width** *Largeur* Larghezza **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
2	1000	25	N
2	10	25	N
2	15	25	N
2	20	25	N
2	25	25	N
2	30	25	N
3	1000	20	N
3	10	20	N
3	15	20	N
3	20	20	N
3	25	20	N
3	30	20	N
4	1000	20	N
4	10	20	N
4	15	20	N
4	20	20	N
4	25	20	N
4	30	20	N
5	1000	15	N
5	10	15	N
5	15	15	N
5	20	15	N
5	25	15	N
5	30	15	N
6	1000	15	N
6	10	15	N
6	15	15	N
6	20	15	N
6	25	15	N
6	30	15	N
8	1000	10	N
8	10	10	N
8	15	10	N
8	20	10	N
8	25	10	N
8	30	10	N
10	1000	10	N
10	10	10	N
10	15	10	N
10	20	10	N
10	25	10	N
10	30	10	N
15	1000	5	N
15	20	5	N
15	25	5	N
15	30	5	N
20	1000	5	N
20	20	5	N
20	25	5	N
20	30	5	N

Tenstik P
Tenstik P
Tenstik P



TENSTIK P is a sealing gasket in extruded epdm-rubber, having as profile a "P" shape.
Applications field: As sealing gaskets in wood and alluminium-frames, protecting against draughts, noises, etc.

Technical data
Density: 350 kg/m^3 approx.
Optimum aging resistance (5 years)
Colori: White and brown
Adhesive: Acrilyc not toxic spreaded on net-support

Standard size
P35: Profile "P" 9x5,5 mm (8x3,75 mt)
P35: Profile "P" 9x5,5 mm (8x100 mt)
Length: 6-10-30-100 mt

TENSTIK P est un joint adhésif en caoutchouc EPDM extrudé dans le profil P
Champs d'application: Joint pour l'isolation de portes et fenêtres en bois et en aluminium, portes blindées, etc. Il est utilisé également comme matériau d'étanchéité à l'eau, à la poussière et au bruit dans différentes applications industrielles.

Caractéristiques techniques:
Densité: 350 kg/m^3 environ
Grande résistance au vieillissement (5 ans)
Couleur: Blanc et marron
Adhésif: Acrylique non toxique étalé sur support grillagé.

Dimensions standard:
P35: Profil "P" 9x5,5 mm (8x3,75 mt)
P35: Profil "P" 9x5,5 mm (8x100 mt)
Longueur: 6-10-30-100 mt

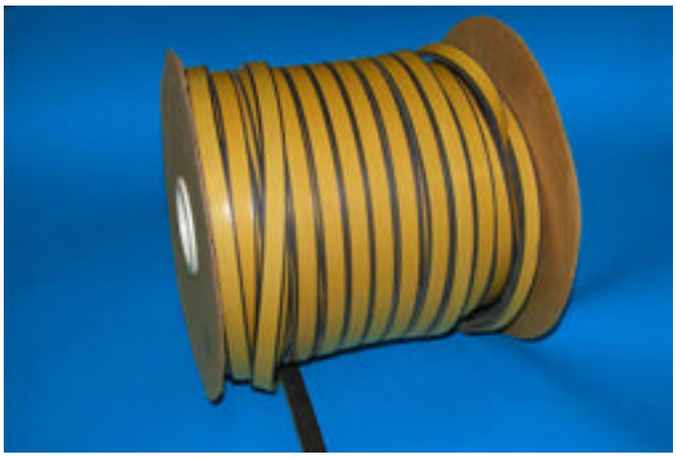
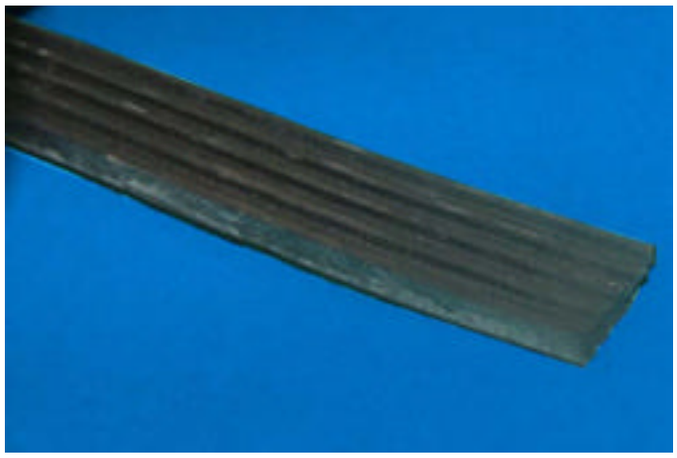
TENSTIK P è una guarnizione adesiva in gomma EPDM estrusa nel profilo “P”.
Campi di applicazione: Guarnizione per l’isolamento di serramenti in legno e alluminio, porte blindate, etc. utilizzata anche come materiale di tenuta all’acqua, polvere, rumore in diverse applicazioni industriali.

Caratteristiche tecniche
Densità: 350 kg/m^3 circa
Grande resistenza all’invecchiamento (5 anni)
Colori: Bianco e marrone
Adesivo: Acrilico non tossico spalmato su supporto retinato

Dimensioni standard
P35: Profilo “P” 9x5,5 mm (8x3,75 mt)
P35: Profilo “P” 9x5,5 mm (8x100 mt)
Lunghezza: 6-10-30-100 mt

Thickness *Épaisseur* Spessore **(mm)**	**Width** *Largeur* Larghezza **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
5,5	9	6	B
5,5	9	6	M
5,5	9	10	B
5,5	9	10	M
5,5	9	30	B
5,5	9	30	M
5,5	9	100	B
5,5	9	100	M

Kronostik E
Kronostik E
Kronostik E

KRONOSTIK E is a sealing gasket in extruded epdm-rubber.
Application fields: as a sealing gaskets in wood and aluminium-frames, blinded doors and several industrial applications.

Technical data:
Density: 350 kg/m^3 approx.
Optimum aging resistance (5 years)
Colours: Black
Adhesive: Acrilyc not toxic spreaded on net-support

Standard size:

Sections:	**9 x 3 mm x 100 mt**	**(1x100 mt)**
	9 x 4 mm x 100 mt	**(1x100 mt)**
	10 x 5 mm x 100 mt	**(1x100 mt)**
	15 x 4 mm x 100 mt	**(1x100 mt)**

KRONOSTIK E est un joint adhésif en caoutchouc EPDM extrudé.
Champs d'application: Joint utilisé pour portes et fenêtres, portes blindées et pour différentes applications industrielles.

Caractéristiques techniques:
Densité: 350 kg/m^3 environ
Grande résistance au vieillissement (5 ans)
Couleur: noir
Adhésif: Acrylique non toxique étalé sur support grillagé.

Dimensions standard:

Sections:	*9 x 3 mm x 100 mt*	*(1x100 mt)*
	9 x 4 mm x 100 mt	*(1x100 mt)*
	10 x 5 mm x 100 mt	*(1x100 mt)*
	15 x 4 mm x 100 mt	*(1x100 mt)*

Thermoacoustic material
Matériel thermo acoustique
Materiale termoacustico

KRONOSTIK E è una guarnizione adesiva in gomma EPDM estrusa.
Campi di applicazione: utilizzata per serramenti, porte blindate, finestre e per varie applicazioni industriali.

Caratteristiche tecniche:
Densità: 350 kg/m^3 circa
Grande resistenza all'invecchiamento (5 anni)
Colori: Nero
Adesivo: Acrilico non tossico spalmato su supporto retinato

Dimensioni standard:

Sezioni:	9 x 3 mm x 100 mt	(1x100 mt)
	9 x 4 mm x 100 mt	(1x100 mt)
	10 x 5 mm x 100 mt	(1x100 mt)
	15 x 4 mm x 100 mt	(1x100 mt)

Thickness *Épaisseur* Spessore **(mm)**	**Width** *Largeur* Larghezza **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
3	9	100	N
4	9	100	N
4	15	100	N
5	10	100	N

Kronostik D
Kronostik D
Kronostik D

KRONOSTIK D is a sealing gasket in extruded epdm-rubber.
Application fields: as a sealing gaskets in wood and aluminium-frames, blinded doors and several industrial applications.

Technical data:
Density: 350 kg/m^3 approx.
Optimum aging resistance (5 years)
Colours: Black
Adhesive: Acrilyc not toxic spreaded on net-support

Standard size:

Sections:	**8 x 10 mm x 50 mt**	**(2x25 mt)**
	12 x 10 mm x 75 mt	**(1x75 mt)**
	14 x 12 mm x 50 mt	**(1x50 mt)**
	21 x 17 mm x 50 mt	**(1x50 mt)**

KRONOSTIK D est un joint adhésif en caoutchouc EPDM extrudé.
Champs d'application: Joint utilisé pour portes et fenêtres, portes blindées et pour différentes applications industrielles.

Caractéristiques techniques:
Densité: 350 kg/m^3 circa
Grande résistance au vieillissement (5 ans)
Couleur: noir
Adhésif: Acrylique non toxique étalé sur support grillagé

Dimensions standard:

Sections:	*8 x 10 mm x 50 mt*	*(2x25 mt)*
	12 x 10 mm x 75 mt	*(1x75 mt)*
	14 x 12 mm x 50 mt	*(1x50 mt)*
	21 x 17 mm x 50 mt	*(1x50 mt)*

Thermoacoustic material
Matériel thermo acoustique
Materiale termoacustico

KRONOSTIK D è una guarnizione adesiva in gomma EPDM estrusa.
Campi di applicazione: utilizzata per serramenti, porte blindate, finestre e per varie applicazioni industriali.

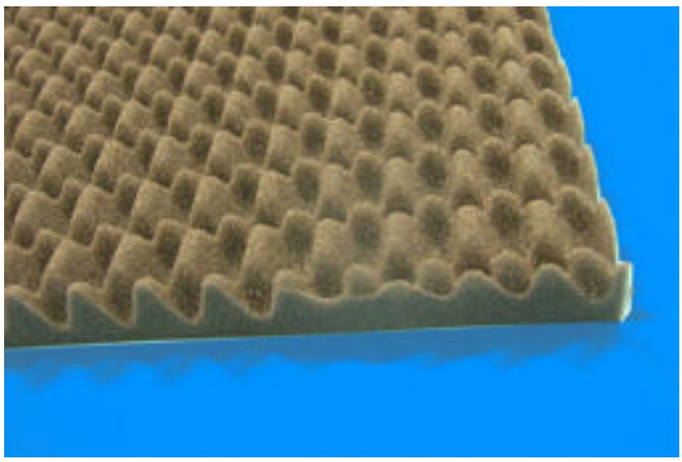
Caratteristiche tecniche:
Densità: 350 kg/m^3 circa
Grande resistenza all'invecchiamento (5 anni)
Colori: Nero
Adesivo: Acrilico non tossico spalmato su supporto retinato

Dimensioni standard:

Sezioni:	8 x 10 mm x 50 mt	(2x25 mt)
	12 x 10 mm x 75 mt	(1x75 mt)
	14 x 12 mm x 50 mt	(1x50 mt)
	21 x 17 mm x 50 mt	(1x50 mt)

Thickness *Épaisseur* Spessore **(mm)**	**Width** *Largeur* Larghezza **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
10	8	50	N
10	12	75	N
12	14	50	N
17	21	50	N

Mappysil bugnato
Mappysil bugnato
Mappysil bugnato



Mappysil bugnato is a sound-absorbing material in self-extinguishing polyurethan-foam (esther-based) having on one side an "eggtray-profile" or a "chocolate-profile".
Mappysil bugnato may be furnished in a painted RAL version.
Application fields: Used as sound-absorption material in various applications. Available in adhesive version.

Technical data:
Density: 30 kg/m^3 approx.
Thermical conductivity: kcal/h 0,030 / 20°C
Temperature resistance: -20°C +100°C
Fire-behaviour: UL94-HF1
Adhesive: Acrylic water-base, not toxic, adhesive
Profile
N° 1 "eggtray-profile"
N° 3 "chocolate-profile"

Standard size:
Sheets: 100x100 cm - 200x100 cm
Thickness: 20-30-40-50-70 mm
Rolls: h cm 100 (for thickness 30 - 50 mm)
h cm 150 (for thickness 30-40-50 mm)

Note: we don't advise "adhesive version" on wall applications. The continuity of the profiled-surface is not foreseen while placing the sheets netx to each-other.

Mappysil bugnato est un matériau phono absorbant en polyester expansé type à auto extinction non transpirant à cellules ouvertes, couleur anthracite, avec une surface profilée pour rompre les ondes sonores. Il est disponible avec un côté adhésif pour en faciliter la pose. Mappsil bugnato peut être fourni avec une surface vernie (couleurs disponibles dans le tableau RAL).
Campi di applicazione: Matériau utilisé pour le traitement acoustique de cabines insonorisées, caisses acoustiques, machines en général. Il est particulièrement conseillé pour des interventions sur des ventilateurs, des compresseurs, des groupes électrogènes et pour la correction acoustique sur les murs et les plafonds.

Thermoacoustic material
Matériel thermo acoustique
Materiale termoacustico

Caractéristiques techniques:
Densité: 30 kg/m^3 environ
Conductibilité thermique: kcal/h 0,030 / 20°C
Résistance à la température: -20°C +100°C
Réaction au feu: UL94-HF1
Adhésif: acrylique à base d'eau, non toxique
Dessin
N° 1 “type caisse à œufs”
N° 3 “type gianduiotto”

Dimensions standard:
Plaquets: 100x100 cm - 200x100 cm
Épaisseurs: 20-30-40-50-70 mm
Rouleaux: h cm 100 (pour les épaisseurs 30-50 mm)
h cm 150 (pour les épaisseurs 30-40-50 mm)

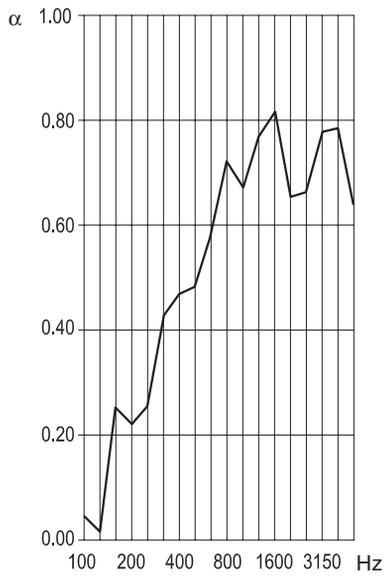
Note: la version adhésive est déconseillée pour l'application au mur. Pour ce produit la continuité du dessin profilé n'est pas prévue en cas de juxtaposition.

Mappysil bugnato è un materiale fonoassorbente in poliestere espanso tipo autoestinguente non gocciolante a cellule aperte, calore antracite, con una superficie profilata per rompere le onde sonore. Disponibile con un lato adesivo per facilitarne la posta in opera. Mappysil bugnato può essere fornito con una superficie verniciata (colori disponibili quelli della tabella RAL).
Campi di applicazione: Materiale utilizzato per il trattamento acustico di cabine silenti, casse acustiche, macchinari in genere. Consigliato particolarmente per interventi su ventilatori, compressori, gruppi elettrogeni, e per correzione acustica a parete e a soffitto.

Caratteristiche tecniche:
Densità: 30 kg/m^3 circa
Conducibilità termica: kcal/h 0,030 / 20°C
Resistenza alla temperatura: -20°C +100°C
Reazione al fuoco: UL94-HF1
Adesivo: Acrilico a base d’acqua, non tossico
Disegno
N° 1 “tipo porta uovo”
N° 3 “tipo gianduiotto”

Dimensioni standard:
Lastre: 100x100 cm - 200x100 cm
Spessori: 20-30-40-50-70 mm
Rotoli: h cm 100 (per gli spessori 30-50 mm)
h cm 150 (per gli spessori 30-40-50 mm)

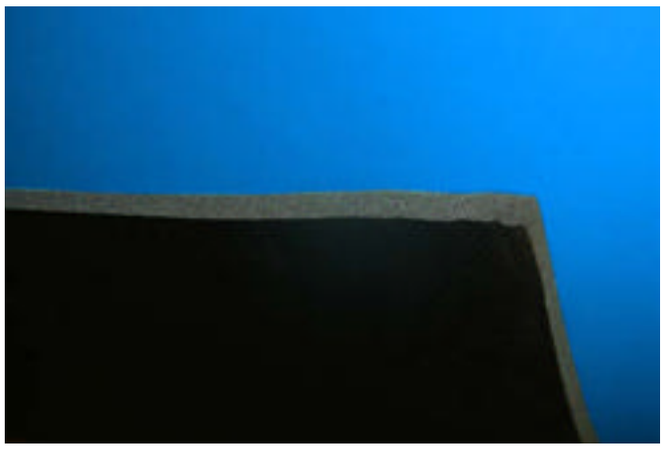
N.B. la versione adesiva è sconsigliata per l’applicazione su muro. Per questo prodotto non è prevista la continuità del disegno profilato in caso di affiancamento.

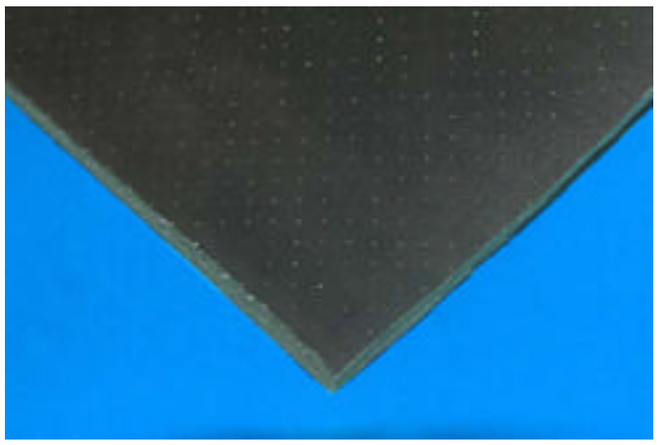


Adhesive *Adhesif* Adesivo	**Width** *Hauteur* Altezza **(mm)**	**Thickness** *Épaisseur* Spessore **(mm)**	**Colour** *Couleur* Colore **(2)**
	100x200	20	A
	100x200	30	A
	100x100	30	A
	100x200	40	A
	100x200	70	A
AD	100x200	20	A
AD	100x200	30	A
AD	100x100	30	A
AD	100x200	40	A
AD	100x200	70	A
	150	20	A
	150	30	A
	150	40	A
	150	50	A
AD	150	20	A
AD	150	30	A
AD	150	40	A
AD	150	50	A

Adhesive *Adhesif* Adesivo	**Width** *Hauteur* Altezza **(mm)**	**Thickness** *Épaisseur* Spessore **(mm)**	**Colour** *Couleur* Colore **(2)**
	100x200	20	A
	100x200	25	A
	100x200	30	A
	100x100	30	A
	100x200	40	A
	100x200	50	A
AD	100x200	20	A
AD	100x200	25	A
AD	100x200	30	A
AD	100x100	30	A
AD	100x200	40	A
AD	100x200	50	A
	100	30	A
	100	50	A
AD	100	30	A
AD	100	50	A

Mappycar AU30
Mappycar AU30
Mappycar AU30





Mappycar AU30 is a sound-absorbing material in self-extinguishing polyurethan-foam (esther-based) having on one side a perfored imitation-leather.
Application fields: Used as sound-absorption material in various applications. Available in adhesive version.

Technical data:
Colour imitation-leather: Beige, black, white. The not-perforated imitation-leather is only available in black colour.
Density: 30 kg/m^3 approx.

Standard size:
Width: 140 cm
Length: from 20 to 90 m according to thickness
Thickness: mm 5-10-15-20-25-30-40-50

Mappycar AU30 est un matériau phono absorbant réalisé grâce à l'accouplement de simili cuir troué et de polyester expansé à auto extinction.
Champs d'application: Il est exclusivement utilisé dans l'industrie automobile (cabines de tracteurs, carrosseries), dans l'industrie nautique, dans le bâtiment (murs) et pour l'insonorisation en général là où il faut une surface lavable.

Caractéristiques techniques:
Couleur simili cuir: beige, noir, gris, blanc. Disponible en simili cuir NON troué seulement en couleur noire.
Densité: 30 kg/m^3 circa

Dimensions standard:
Hauteur: 140 cm
Hauteur: de 20 à 90 mt selon l'épaisseur
Épaisseurs: mm 5-10-15-20-25-30-40-50

Mappycar AU30 è un materiale fonoassorbente realizzato mediante l'accoppiamento di fintapelle forata con poliestere espanso autoestinguente.
Campi di applicazione: Utilizzato prevalentemente nell'industria automobilistica (cabine trattori, carrozzerie), nautica, edile (pareti) e insonorizzazione in genere dove occorra una superficie lavabile.

Caratteristiche tecniche:
Colore fintapelle: Beige, nero, grigio, bianco. Disponibile in fintapelle NON forata solo nel colore nero.
Densità: 30 kg/m^3 circa

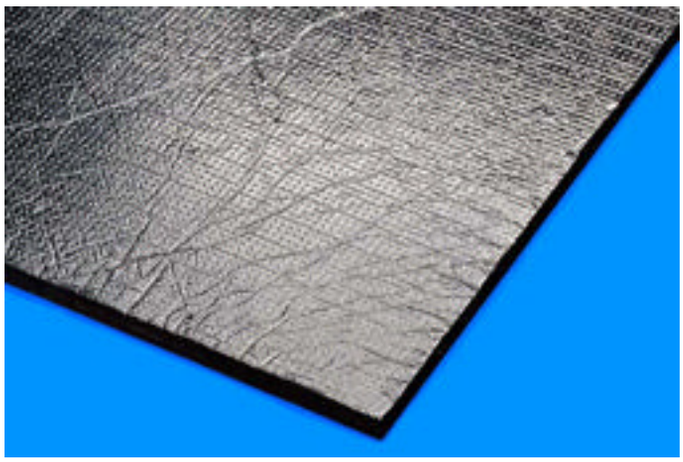
Dimensioni standard:
Altezza: 140 cm
Lunghezza: da 20 a 90 mt secondo lo spessore
Spessori: mm 5-10-15-20-25-30-40-50

Adhesive *Adhesif* Adesivo	**Width** *Hauteur* Altezza **(mm)**	**Thickness** *Épaisseur* Spessore **(mm)**	**Colour** *Couleur* Colore
	140	5	N
	140	10	N
	140	15	N
	140	20	N
	140	25	N
	140	30	N
	140	40	N
	140	50	N
	140	5	G
	140	10	G
	140	15	G
	140	20	G
	140	25	G
	140	30	G
	140	40	G
	140	50	G
	140	5	C
	140	10	C
	140	15	C
	140	20	C
	140	25	C
	140	30	C
	140	40	C
	140	50	C
	140	5	B
	140	10	B
	140	15	B
	140	20	B
	140	25	B
	140	30	B
	140	40	B
	140	50	B
AD	140	5	N
AD	140	10	N
AD	140	15	N
AD	140	20	N
AD	140	25	N

Thermoacoustic material
Matériel thermo acoustique
Materiale termoacustico

Adhesive *Adhesif* Adesivo	**Width** *Hauteur* Altezza **(mm)**	**Thickness** *Épaisseur* Spessore **(mm)**	**Colour** *Couleur* Colore
AD	140	30	N
AD	140	40	N
AD	140	50	N
AD	140	5	G
AD	140	10	G
AD	140	15	G
AD	140	20	G
AD	140	25	G
AD	140	30	G
AD	140	40	G
AD	140	50	G
AD	140	5	C
AD	140	10	C
AD	140	15	C
AD	140	20	C
AD	140	25	C
AD	140	30	C
AD	140	40	C
AD	140	50	C
AD	140	5	B
AD	140	10	B
AD	140	15	B
AD	140	20	B
AD	140	25	B
AD	140	30	B
AD	140	40	B
AD	140	50	B

Termoflex stopfire
Termoflex stopfire
Termoflex stopfire



Termoflex stopfire is a heat-reflecting material made of fire-retardant pu-foam, laminated on one side with an aluminium-foil.
Application fields: Thermical and sound-insulating. Used mainly in those applications where temperature exceeds over 130°C. Available in adhesive version.

Technical data
Density: 150 kg/m approx
Thermical conducivity: 10°C = 0,073 W/mK
Fire-behaviour Foam: Fire-retardand
Colour: Black

Standard size
Width: 100 cm approx.
Length: tolls from 15 to 60 m
Thickness: 5-10-15-20-30 mm

Termoflex stopfire est un matériau en polyester expansé "ignifuge" Classe 1, couleur noire, ayant une surface revêtue d'une feuille d'aluminium. Particulièrement utilisé comme matériau thermo isolant et thermo réfractaire là où on atteint des températures supérieures à 130°C.
Champs d'application : conditionnement de l'air, revêtement des logements moteur, dans les cas où il est nécessaire d'empêcher la transmission de la chaleur et là où un matériau ignifuge est requis.

Caractéristiques techniques:
Densité: 150 kg/m approx
Conductibilité thermique: 10°C = 0,073 W/mK
Réaction au feu Pu: Ignifuge Classe 1
Couleur: noir

Dimensions standard:
Hauteur: 100 cm approx./environ
Longueur: rouleaux de 15 à 60 mt
Épaisseurs: 5-10-15-20-30 mm

Thermoacoustic material
Matériel thermo acoustique
Materiale termoacustico

Termoflex stopfire è un materiale in poliestere espanso “ignifugo” Classe 1, colore nero, avente una superficie rivestita con un foglio di alluminio. Particolarmente usato come materiale termoisolante e termorifrangente dove si raggiungono temperature superiori a 130°C.
Campi di applicazione: condizionamento dell’aria, rivestimento vani motore, nei casi in cui è necessario impedire la trasmissione del calore e dove è richiesto un materiale ignifugo.

Caratteristiche tecniche:
Densità: 150 kg/m approx
Conducibilità termica: 10°C = 0,073 W/mK
Reazione al fuoco Pu: Ignifugo Classe 1
Colore: Nero

Dimensioni standard:
Altezza: 100 cm approx. / circa
Lunghezza: rotoli da 15 a 60 mt
Spessori: 5-10-15-20-30 mm

Adhesive *Adhesif* Adesivo	**Width** *Hauteur* Altezza **(mm)**	**Thickness** *Épaisseur* Spessore **(mm)**	**Unit LM/M²** *Unité de mes. LM/M²* Unità di mis. LM/M²	**Colour** *Couleur* Colore	**Pack LM/M²** *Conf. LM/M²* Conf. LM/M²	**Min. Quan.** *Q.té minim.* Q.tà minima	**Packing** *Emballage* Imballo
	100	5	M²	N	60	240	P
	100	10	M²	N	30	30	P
	100	15	M²	N	30	210	P
	100	20	M²	N	20	20	P
	100	30	M²	N	15	100	P
AD	100	5	M²	N	60	240	P
AD	100	10	M²	N	30	30	P
AD	100	15	M²	N	30	210	P
AD	100	20	M²	N	20	20	P
AD	100	30	M²	N	15	105	P

Mappyflash
Mappyflash
Mappyflash

Mappyflash is a self-adhesive sealing tape, composed of a bitume-rubber mixture laminated to an aluminium foil (lead-imitation), garanting a perfect impermeability and a long life; easy to be placed by a simple hand press.
Applications fields: Mainly used as anti-rumble and anti-vibration material in elevators, printed circuits, gutter-joints repairs, sealing between wall and wooden-frames, repairs and roof repairs.

Technical data:
Colour: Lead
Aluminium thickness: 50 micron
Thickness: 1,3 mm
Weight: 1,4 kg/m^3
Temperature range: -10°C +80°C
Elongation: 15%

Standard size:
Width: 50-75-100-150-225-300-450-600-900 mm
Length: 10 mt

Mappyflash est un ruban adhésif en un mélange spécial de caoutchouc-bitume accouplé à un film en aluminium de couleur grise. Il s'applique d'une simple pression des mains pour obtenir une imperméabilisation parfaite qui continuera de s'améliorer dans le temps. Ce type de ruban en caoutchouc-bitume garantit une imperméabilisation rapide et sure à des coûts plus bas par rapport aux méthodes conventionnelles de scellage. Le film en aluminium reflète les rayons du soleil en évitant le ramollissement du matériau et facilite le glissement de la pluie.

Champs d'application: réparation d'enfaîtements, couverture de feutres bitumeux et similaires, membranes autoadhésives. Remplacement de parties d'enfaîtements, colmatage des fissures dans des ouvrages en ciment, réparations nautiques divers, anti-vrombissements pour ascenseurs et industrie électronique, circuits imprimés, réparations des gouttières et des joints de gouttières, colmatage des trous porte boulons dans la mise en œuvre de couvertures de toits, colmatage du fait des toits, couverture de protection de matériaux isolants. Colmatage des différentes sections des toits, entre bois et maçonnerie et différentes cavités.

Caractéristiques techniques:
Couleur: Plomb
Épaisseur d'aluminium: 50 microns

Épaisseur: 1,3 mm
Poids: 1,4 kg/m^3
Température d'utilisation: -10°C +80°C
Étirement: 15%

Dimensions standard:
Largeur: 50-75-100-150-225-300-450-600-900 mm

Mappyflash è un nastro adesivo in una speciale miscela di gomma-bitume accoppiata ad un film di alluminio colore grigio. Si applica con una semplice pressione delle mano per ottenere una perfetta impermeabilizzazione che continuerà a migliorare nel tempo. Questo tipo di nastro in gomma-bitume garantisce una rapida e sicura impermeabilizzazione a costi notevolmente più bassi rispetto ai metodi convenzionali di sigillatura. Il film di alluminio riflette i raggi del sole evitando il rammollimento del materiale e facilita lo scivolamento dell'acqua piovana.

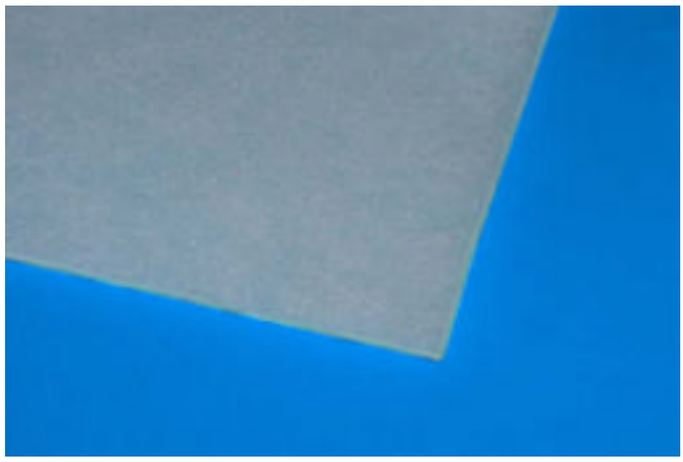
Campi di applicazione: riparazioni di scossaline, ricopertura di feltri bituminosi e similari, membrane autoadesive. Sostituzione di parti di scossaline, sigillatura delle fessure nei manufatti di cemento, riparazioni nautiche varie, antirombo per ascensori e industria elettronica, circuiti stampati, riparazioni delle grondaie e dei giunti delle grondaie, sigillatura dei fori porta bulloni nella messa in opera di coperture di tetti, sigillatura del colmo dei tetti, manto di protezione di materiali isolanti. Sigillatura delle diverse sezioni dei tetti, tra legno e muratura e cavità varie.

Caratteristiche tecniche:
Colore: Piombo
Spessore alluminio: 50 micron
Spessore: 1,3 mm
Peso: 1,4 kg/m^3
Temperatura d'utilizzo: -10°C +80°C
Allungamento: 15%

Dimensioni standard:
Larghezza: 50-75-100-150-225-300-450-600-900 mm
Lunghezza: 10 mt

Thickness *Épaisseur* Spessore **(mm)**	**Width** *Largeur* Larghezza **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
1	50	10	P
1	75	10	P
1	100	10	P
1	150	10	P
1	225	10	P
1	300	10	P
1	450	10	P
1	600	10	P
1	900	10	P

Filtrex
Filtrex
Filtrex



Filtrex fire-retardant filtering material in pu (polyester)-fibre, without emission of toxic fumes.
Application fields: Filter panel for painting cabins, hot air generators, etc.

Technical data:
Filtration-class (DIN EN 779)
Nominal weight: 200 gr/m^3
Wind-speed in test: 1,5 m/s
Final loss of load: 200 Pa
Medium gravity efficiency: 90%
Max temperature: 100°C
Fire behaviour (DIN 53438): CL 1

Standard size:
Thickness: 20 mm
Width: 150 cm
Lenght: 20 m rolls

Filtrex est un panneau filtrant en fibre de polyester "ignifuge" Classe 1 sans émission de fumées toxiques, couleur blanche.
Champs d'application: Panneau filtrant l'air dans les cabines de vernissage, pour générateurs d'air chaud, pour retenir les impuretés dans les eaux de reflux, etc.

Caractéristiques techniques:
Classe de filtrage (DIN EN 779): G4
Poids nominal: 200 gr/m^3
Vitesse de l'air de test: 1,5 m/s
Perte charge finale: 200 Pa
Efficacité gravimétrique moyenne: 90%
Température max. d'exercice: 100°C
Réaction au feu (FIN 53438): CL 1

Dimensions standard:
Épaisseur: 20 mm
Hauteur: 150 cm
Longueur: rouleaux de 20 mt

Thermoacoustic material
Matériel thermo acoustique
Materiale termoacustico

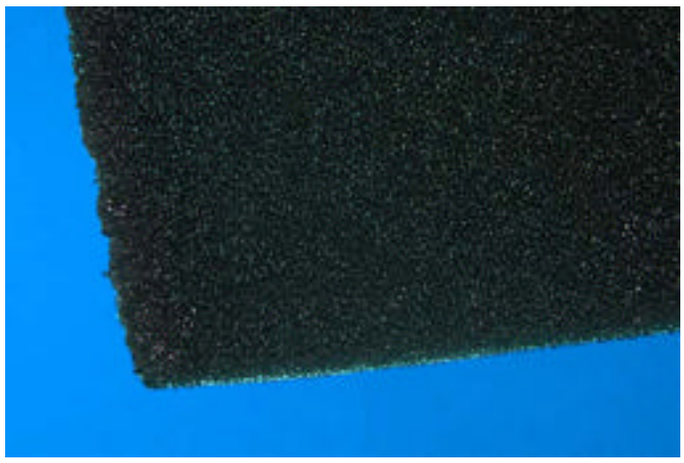
Filtrex è un pannello filtrante in fibra di poliestere “ignifugo” (classe 1) senza emissione di fumi tossici, colore bianco.
Campi di applicazione: Pannello filtrante l’aria nelle cabine di verniciatura, per generatori di aria calda, per trattenere le impurità delle acque reflue, etc.

Caratteristiche tecniche:
Classe di filtrazione (DIN EN 779): G4
Peso nominale: 200 gr/m^3
Velocità dell’aria di prova: 1,5 m/s
Perdita carico finale: 200 Pa
Efficienza gravimetrica media: 90%
Max temperatura di esercizio: 100°C
Reazione al fuoco (FIN 53438): CL 1

Dimensioni standard:
Spessore: 20 mm
Altezza: 150 cm
Lunghezza: rotoli da 20 mt

Thickness *Épaisseur* Spessore **(mm)**	**Width** *Largeur* Larghezza **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore
20	1500	20	B

Mappyfiltro
Mappyfiltro
Mappyfiltro



Mappyfiltro filter in expanded, cross-linked poliester with complete open cells.
Applications fields: Filter for air-conditioning, hi-fi, engines, etc.

Technical data:
Density: 30 kg/m^3 approx
Elongation: ISO 1798 in %
Rupture-resistance: ISO 1798 in kPa
Laceration-resistance: ASTM D 1564 in m/cm
Temperature range: -20% +100°C
Extrusion: at 75% compression ISO 1856-A in %
Porosities: PPI=pores per inch
Type: PPI 10/PPI 20/PPI 30/PPI 45/PPI 60/PPI 80/PPI 90

Standard size:
Sheets: from 2000x1000 m - 2000x15000 mm
Thickness: 6-10-15-20-25-30-40-50 mm

Mappyfiltro est un matériau en polyester expansé grillagé à cellules complètement ouvertes de porosité variable.
Champs d'application: comme filtres pour le conditionnement d'air, caisses acoustiques HI-FI, filtres générateurs d'air chaud, filtres pour cabines vernissage, etc.

Caractéristiques techniques:
Densité: 30 kg/m^3 environ
Étirement: ISO 1798 en %
Résistance à la rupture: ISO 1798 en kPa
Résistance à la lacération. ASTM D 1564 en m/cm
Résistance à la température: -20% +100°C
Extrusion: al 75% compressione ISO 1856-A en %
Porosité : PPI = pores par pouce
Type: PPI 10/PPI 20/PPI 30/PPI 45/PPI 60/PPI 80/PPI 90

Dimensions standard:
Plaques: de 2000x1000 m - 2000x15000 mm
Épaisseur: 6-10-15-20-25-30-40-50 mm

Thermoacoustic material
Matériel thermo acoustique
Materiale termoacustico

Mappyfiltro è un materiale in poliestere espanso reticolato a celle completamente aperte di varie porosità.
Campi di applicazione: Come filtri per il condizionamento d'aria, casse acustiche HI-FI, filtri generatori aria calda, filtri per cabine verniciatura, etc.

Caratteristiche tecniche:
Densità: 30 kg/m^3 circa
Allungamento: ISO 1798 in %
Resistenza alla rottura: ISO 1798 in kPa
Resistenza alla lacerazione. ASTM D 1564 in m/cm
Resistenza alla temperatura: -20% +100°C
Estrusione: al 75% compressione ISO 1856-A in %
Porosità: PPI= pori per pollice
Tipo: PPI 10/PPI 20/PPI 30/PPI 45/PPI 60/PPI 80/PPI 90

Dimensioni standard:
Lastre: da 2000x1000 m - 2000x15000 mm
Spessori: 6-10-15-20-25-30-40-50 mm

Mappyfiltro PP10

Thickness *Épaisseur* Spessore **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore
6	2000x1000	N
10	2000x1000	N
15	2000x1000	N
20	2000x1000	N
25	2000x1000	N
30	2000x1000	N
40	2000x1000	N
50	2000x1000	N

Mappyfiltro PP20

Thickness *Épaisseur* Spessore **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
6	2000x1500	N
10	2000x1500	N
15	2000x1500	N
20	2000x1500	N
25	2000x1500	N
30	2000x1500	N
40	2000x1500	N
50	2000x1500	N

Mappyfiltro PP30

Thickness *Épaisseur* Spessore **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
6	2000x1500	N
10	2000x1500	N
15	2000x1500	N
20	2000x1500	N
25	2000x1500	N
30	2000x1500	N
40	2000x1500	N
50	2000x1500	N

Mappyfiltro PP45

Thickness *Épaisseur* Spessore **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
6	2000x1500	N
10	2000x1500	N
15	2000x1500	N
20	2000x1500	N
25	2000x1500	N
30	2000x1500	N
40	2000x1500	N
50	2000x1500	N

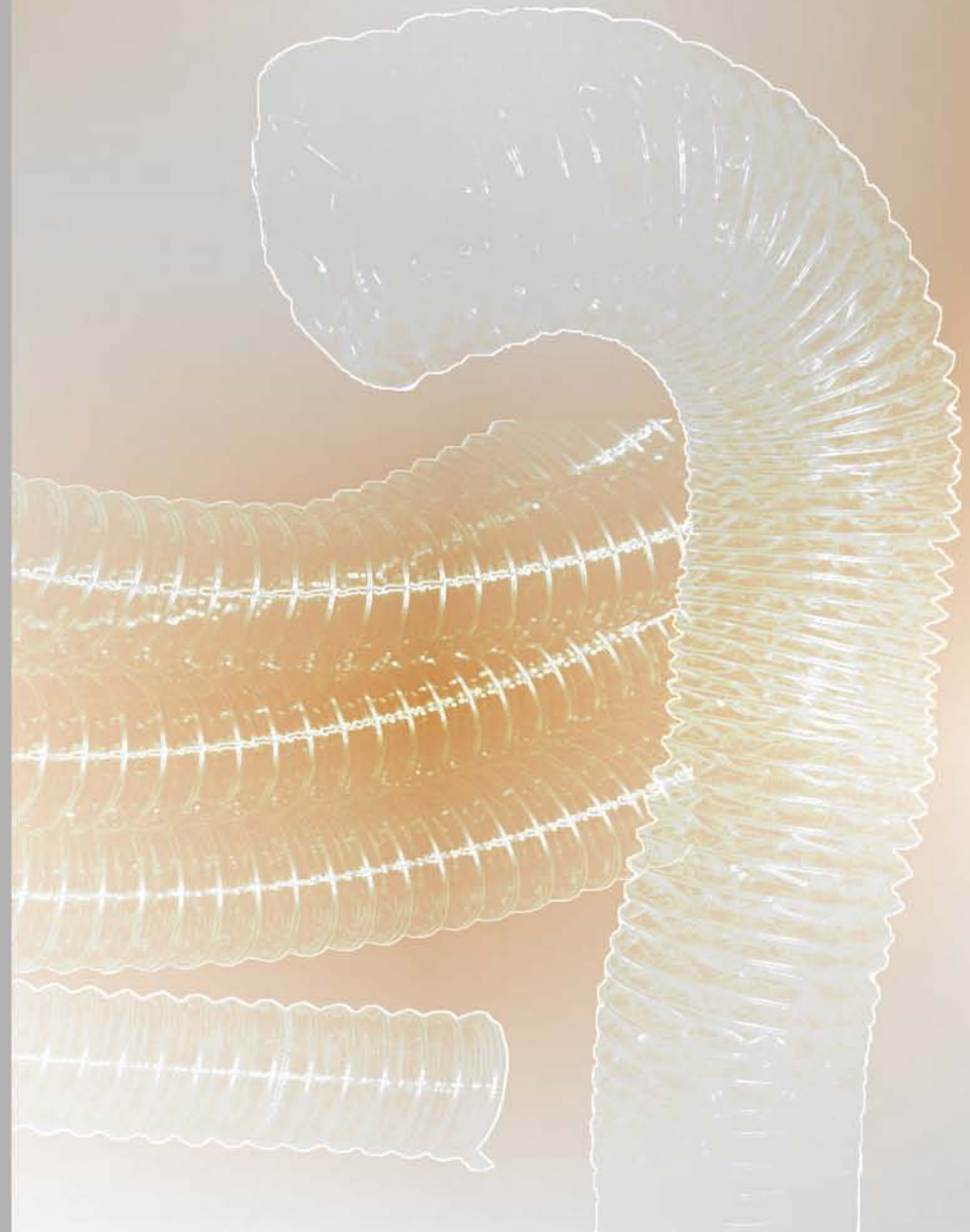
Mappyfiltro PP60

Thickness *Épaisseur* Spessore **(mm)**	**Length** *Longueur* Lunghezza **(m)**	**Colour** *Couleur* Colore **(1)**
6	2000x1500	N
10	2000x1500	N
15	2000x1500	N
20	2000x1500	N
25	2000x1500	N
30	2000x1500	N
40	2000x1500	N
50	2000x1500	N

hoses

tuyauteries

tubazioni



mori s.p.a.

take care of your business

Merlett Hose
Tuyaux Merlett5
Tubi Merlett

VACUPRESS® OIL - OIL PU

SPECIFICATIONS
Flexible, very strong, resistant to abrasion. Smooth inside and outside. Temperature range: -25°C +55°C. Diameters 76-80-90-102 optimum resistance to abrasion caused by entrainment thanks to the polyurethane in the outside covering compound.
Resistance to abrasion:
internal layer according to DIN 53516: < 90 mm^3.
external layer - OIL according to DIN 53516: < 90 mm^3.
- OIL PU according to DIN 53516: < 30 mm^3.
USE
Hose for suction and delivery of hydraulic oils and fuels.
STRUCTURE
Hose in thermoplastic PVC - PU - NITRILE RUBBER compound with embedded steel spiral and polyester yarn reinforcement. Diameters 76-80-90-102 with copper wire inserted in the outside hose for an antistatic rendering.

CARACTERISTIQUES
Souple, très solide, résistant à l'abrasion, lisse à l'intérieur et extérieur. Températures d'emploi -25°C +55°C. Diamètres 76-80-90-102 excellente résistance à l'abrasion de traînement grâce au polyuréthane utilisé dans le mélange du revêtement externe.
Résistance à l'abrasion:
Couche interne selon DIN 53516: < 90 mm^3.
Couche externe - OIL selon DIN 53516: < 90 mm^3.
- OIL PU selon DIN 53516: < 30 mm^3.
EMPLOIS
Tuyau pour aspiration et refoulement de huiles hydrauliques et combustibles.
STRUCTURE
Tuyau en thérmoplastique mélange de PVC, PU, CAOUTCHOUC NITRILE avec spirale en acier noyée et renfort en fibre polyester. Diamètres 76-80-90-102 avec cordelette en cuivre noyée dans le tuyau extérieur pour l'efficacité antistatique.

CARATTERISTICHE
Flessibile, molto robusto, resistente all'abrasione, interno ed esterno lisci. Temperatura d'esercizio -25°C +55°C. Diametri 76-80-90-102 ottima resistenza all'abrasione da trascinamento grazie all'inserimento di poliuretano nella mescola del rivestimento esterno.
Resistenza all'abrasione:
strato interno secondo DIN 53516: < 90 mm^3.
strato esterno - OIL secondo DIN 53516: < 90 mm^3.
- OIL PU secondo DIN 53516: < 30 mm^3.

USO
Tubo per aspirazione e mandata oli per uso idraulico e oli carburanti.
STRUTTURA
Tubo in mescola termoplastica a base PVC, PU, GOMMA NITRILICA con spirale in acciaio incorporata e rinforzo in fibra poliestere. Diametri 76-80-90-102 con treccia in rame inserita nel tubo esterno per la resa antistatica.

ANTISTATIC / *ANTISTATIQUE* / ANTISTATICO

I. D. *Ø Int.* Ø Int. **mm**	**inch** *pouces* pollici	**wall thickness** *épaisseur paroi* spessore parete **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**vacuum** *vide* sottovuoto **m H2O**	**working press** *press. service* press. eserc. **bar -20°C**	**bursting press.** *press. d'éclat* press. scoppio **bar**	**coil length** *long. cour.* lungh. rotoli **m**
19		4,5	450	70	9	16	48	60
25	1	5,3	670	80	9	16	48	60
32		5,3	800	100	9	16	48	60
35		6,5	1050	120	9	14	42	60
38		6,5	1200	125	9	14	42	40
40		6,5	1200	130	9	14	42	40
45		6,5	1340	140	9	12	36	40
50		6,5	1730	150	9	12	36	40
60		7	1950	180	9	12	36	40
63		7	2030	190	9	12	36	40
76	3	7,25	2700	210	9	10	30	30
80		7,25	2800	220	9	10	30	30
90		8	3250	250	9	10	30	30
102	4	7,75	3700	300	9	10	30	30

VACUPRESS® FOOD *

Made in Italy

SPECIFICATIONS
The hose is very flexible. Smooth inside and outside. Operating temperature range: -25°C +80°C. The hose can be cleaned for few minutes at 110°C temperature. Good resistance to detergents. Resistant to abrasion according to DIN 53516: 150 mm^3.
The hose ensures the maximum hygiene, due to its smooth, white internal liner which prevents bacterial growth.

USE
This hose is suitable for suction, delivery and transfer of liquids where a more resistant hose with higher specifications than normal is requested. The hose is suitable for suction, delivery and transfer of milk. Suitable for: collection and transport service by roadtanker, dairy unloading departments, dairy stationary machinery, processing and conditioning plants.

STRUCTURE
Hose made of thermoplastic rubber with galvanised steel helix, highly resistant, with polyester yarn reinforcement. This structure and material provide high resistance to kinking.

CARACTERISTIQUES
Très flexible. Lisse à l'extérieur et à l'intérieur. Température d'emploi: -25°C +80°C. Nettoyage à 110°C pour courte durée. Bonne résistance aux détergents. Résistance à l'abrasion suivant DIN 53516: 150 mm^3. Le tuyau assure l'hygiène maximale, grâce à sa couche intérieure lisse, blanche qui prévient la croissance bactériologique.

EMPLOIS
Le tuyau a une résistance supérieure aux tuyaux traditionnels, indiqué pour l'aspiration, refoulement et passage des liquides. Indiqué pour l'aspiration, refoulement et passage de lait. Le tuyau est indiqué pour dépotage de camions-citerne, departement décharge en fromagerie, outillage fixe dans l'industrie fromagère, installation de conditionnement.

STRUCTURE
Tuyau en caoutchouc thermoplastique avec spirale en acier zingué à haute résistance avec renforcement en fil polyester. Structure et matériaux à haute résistance à la courbure.

CARATTERISTICHE
Molto flessibile e leggero (30% in meno dei tubi convenzionali) interno ed esterno lisci. Temperatura d'esercizio: -25°C +80°C. Sterilizzabile per pochi minuti a +110°C. Buona resistenza ai detergenti. Resistenza all'abrasione secondo DIN 53516: 150 mm^3.
Il tubo assicura la massima igiene grazie al suo strato interno liscio bianco che previene la crescita batteriologica.

USO
Apparecchiature fisse in industria casearia. Impianti di lavorazione e condizionamento. Aspirazione, mandata e passaggio liquidi in genere, lá dove è richiesta una particolare resistenza, superiore ai tradizionali tubi anche alla trazione. Aspirazione, mandata e passaggio latte, autobotte per servizio di raccolta e trasporto. Reparti di scarico dei caseifici.

STRUTTURA
Tubo in gomma termoplastica con spirale in acciaio zincato ad alta resistenza e rinforzo interno in fibra poliestere. Struttura e materiali ad alta resistenza al piegamento.

I. D. *Ø Int.* Ø Int. **mm**	**inch** *pouces* pollici	**wall thickness** *épaisseur paroi* spessore parete **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**vacuum** *vide* sottovuoto **m H2O**	**working press** *press. service* press. eserc. **bar a 20°C**	**bar a 60°C**	**bursting press.** *press. d'éclat* press. scoppio **bar**	**coil length** *long. cour.* lungh. rotoli **m**
19		4,5	380	70	9	16	12	48	60
25	1	5,25	580	80	9	16	12	48	60
30		5,25	650	85	9	13	9	39	60
32		5,25	730	90	9	13	9	39	60
35		6	850	95	9	13	9	39	60
38		6	920	100	9	13	7	39	30
40		6	970	110	9	10	7	30	30
45		6	1100	120	9	10	7	30	30
50		6,5	1280	130	9	10	7	30	30
60		6,5	1550	160	9	10	7	30	30
63		6,5	1600	180	9	10	7	30	30
76	3	7,5	2350	230	9	10	7	30	30
80		7,5	2400	250	9	10	7	30	30
90		8	2750	280	9	10	7	30	30
102	4	8	3100	310	9	10	6	30	30

*** Produced according to FDA 21 CFR 177,2600 par. "e" (watery foodstuffs).**
** Conforme à* FDA 21 CFR 177,2600 par. "e" *(aliments aqueux)*
* Conforme a FDA 21 CFR 177,2600 par. "e" (alimenti acquosi).

DETROIT

Made in Italy

SPECIFICATIONS
Smooth bore. Light and flexible.
Temperature range: -40°C +150°C briefly up to 170°C. Resistant to heat, ageing and atmospheric agents. The spiral recovers to its original shape after having been crushed.

USE
Developed as an extraction hose for exhaust fumes and gases, especially suitable for hosereels.

STRUCTURE
Thermoplastic rubber hose with embedded spiral allowing the hose to be run over by vehicles.

ATTENTION: The coil is not to be coiled when it is still warm.

CARACTERISTIQUES
Intérieur lisse. Léger et flexible.
Température d'emploi: -40°C +150°C pour courte durée jusqu'au 170°C. Résistant à la chaleur, au vieillissement et aux agents atmosphériques. La spire reprend sa forme d'origine en cas d'écrasement.

EMPLOIS
Developpé pour systèmes d'extraction de gaz d'échappement et fumées, spécialement indiqué pour enrouleurs de tuyaux.

STRUCTURE
Tuyau en caoutchouc thermoplastique avec spire plastique supportant le passage de vehicules.

ATTENTION: Ne pas enrouler le tuyau encore chaud.

CARATTERISTICHE
Superficie interna liscia. Leggero e flessibile.
Temperature d'impiego: -40°C +150°C con punte di utilizzo fino a +170°C. Resistente al calore, all'invecchiamento e agli agenti atmosferici. La spirale ritorna rapidamente allo stato originale dopo lo schiacciamento.

USO
Per impianti di aspirazione fumi gas automezzi sia a pavimento che sospesi su arrotolatori.

STRUTTURA
Tubo in gomma termoplastica con spirale che ritorna dopo lo schiacciamento.

ATTENZIONE: Non avvolgere il tubo ancora caldo dopo l'uso.

nominal Ø *nominale Ø* Ø nominale **mm**	**I.D.** *Ø int.* Ø int. **mm**	**O. D.** *Ø est.* Ø est. **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**vacuum** *vide* sottovuoto **m H_20**	**coil length** *long. couron.* lungh. rotoli **m**
50	52	68	520	120	5,0	30
60	64	80	630	150	3,5	30
75	77	93	750	180	1,5	30
100	103	120	1000	230	1,0	30
125	128	145	1250	280	0,8	30
150	153	172	1500	330	0,6	30
200	205	224	1950	440	0,5	20

ARMORVIN HNA*

*** Suitable for the contact with foodstuff that requires a simulating liquid type A-B-C in accordance with 1935/2004 CE. Migration tests made at 40°C for 24 hours.**
** Approprié au contact avec aliments qui demandent un liquide simulant de type A-B-C selon CE1935/2004. Tests de migration effectués à 40° pendant 24 heures.*
* Idoneo al contatto con alimenti che richiedono un liquido simulante del tipo A-B-C secondo CE 1935/2004. Prove di migrazione eseguite a 40°C per 24 ore.

SPECIFICATIONS
Very flexible, strong, abrasion resistant, smooth inside and outside. Temperature range: -5°C +65°C.

USE
Applications: suction of foodstuffs, drinkable water, drinks up to 28° alcohol contents.

STRUCTURE
Soft PVC hose with embedded steel wire reinforcement. Clear trasparent. Lightweight quality.

CARACTERISTIQUES
Trés flexible, robuste, résistant à l'abrasion, intérieur et extérieur lisses. Température d'emploi: -5°C +65°C.

EMPLOIS
Utilisations: aspiration de produits alimentaires, boissons jusqu'à 28° d'alcool, eau potable.

STRUCTURE
En PVC souple avec spirale en acier noyée dans la paroi du tuyau. Couleur: transparent. Qualité allegée.

CARATTERISTICHE
Molto flessibile, robusto, resistente all'abrasione, interno ed esterno lisci. Temperatura: -5°C +65°C.

USO
Aspirazione di liquidi alimentari, acqua potabile, alcoolici fino a 28°, sostanze alimentari.

STRUTTURA
In PVC plastificato con spirale in acciaio incorporata. Colore neutro trasparente. Tipo leggero.

I.D. *Ø int* Ø int **(mm)**	**wall thickness** *épaisseur paroi* spessore parete **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**working pressure** *pression service* press. esercizio **bar a 20°C**	**vacuum** *vide* sottovuoto **m H2O**	**coil length** *long. couronnes* lungh. rotoli **m**
10	3	155	20	7	8,5	60
12	3	180	25	7	8,5	60
14	3,2	200	30	6	8,5	60
16	3,2	225	35	6	8,5	60
18	3,2	280	40	6	8,5	60
20	3,4	340	50	5	8,5	60
22	3,6	360	55	5	8,5	60
25	4	510	60	5	8,5	60
30	4,2	600	70	4,5	8,5	60
32	4,2	650	75	4,5	8,5	60
35	4,5	730	80	4	8,5	60
38	4,5	800	90	4	8,5	30
40	4,7	870	95	3	8,5	30
45	5	1100	110	3	8	30
50	5	1200	125	3	8	30
60	6	1800	140	2,5	8	30
75	6,8	2500	200	2	7	30
80	7	2700	220	2	7	30
100	7	3250	300	2	7	30

ARMORVIN® HNP *

Made in Italy

*** Suitable for the contact with foodstuff that requires a simulating liquid type A-B-C in accordance with 1935/2004 CE. Migration tests made at 40°C for 24 hours.**
** Approprié au contact avec aliments qui demandent un liquide simulant de type A-B-C selon CE 1935/2004. Tests de migration effectués à 40° pendant 24 heures.*
* Idoneo al contatto con alimenti che richiedono un liquido simulante del tipo A-B-C secondo CE 1935/2004. Prove di migrazione eseguite a 40°C per 24 ore.

SPECIFICATIONS
Highly flexible, robust, abrasion resistant. Good resistance to most chemicals (solvents). Smooth inside and outside. Temperature range: -5°C +65°C.

USE
Suction of foodstuffs, drinkable water, drinks up to 28° alcohol contents, vacuum pumps, agricultural machines, irrigation plants, boat construction, chemical plants, plastics manufacturing machinery, sludge tankers.

STRUCTURE
Soft PVC hose with embedded steel wire reinforcement. Clear light green.

CARACTERISTIQUES
Très flexible, robuste, résistant à l'abrasion et aux produits chimiques (solvents). Intérieur et extérieur lisses. Température d'emploi: -5°C +65°C.

EMPLOIS
Aspiration de produits alimentaires, boissons jusqu'à 28° d'alcool, eau potable, pompes à vide, machines agricoles, construction de bateaux, impiantations chimiques, machines pour travailler le plastique, nettoyage des canalisations, assainissement.

STRUCTURE
En PVC souple avec spirale en acier noyée dans la paroi. Vert clair transparent.

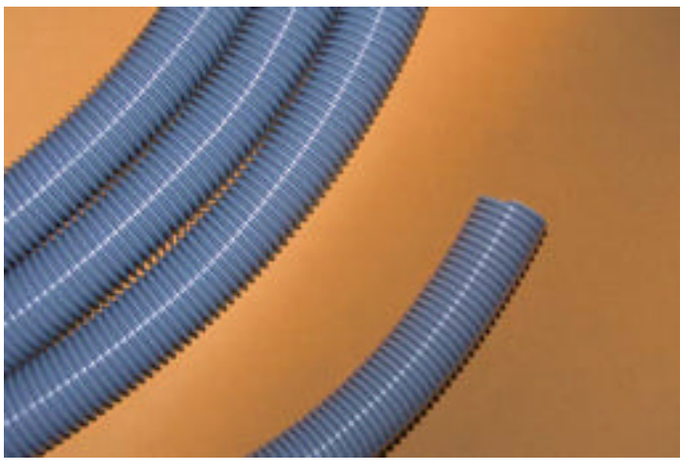
CARATTERISTICHE
Molto flessibile, robusto, resistente all'abrasione e agli agenti chimici (solventi). Interno ed esterno lisci. Temperatura: -5°C +65°C.

USO
Aspirazione di liquidi alimentari, acqua potabile, alcoolici fino a 28°, sostanze alimentari, pompe sottovuoto, macchine agricole, impianti di irrigazione, cantieristica, impianti chimici, macchine per materie plastiche, pulizia canalizzazioni, spurghi di fognature.

STRUTTURA
In PVC plastificato con spirale in acciaio incorporata. Verde trasparente.

I.D. *Ø int* Ø int **mm**	**wall thickness** *épaisseur paroi* spessore parete **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**working pressure** *pression service* press. esercizio **bar - 20°C**	**vacuum** *vide* sottovuoto **m H2O**	**coil length** *long. couronnes* lungh. rotoli **m**
10	3	155	20	9,5	8	60
12	3	180	25	9,5	8	60
14	3	200	30	9,5	8	60
16	3	225	35	9,5	8	60
18	3,2	280	40	9,5	7	60
20	3,5	340	50	9,5	7	60
22	3,5	360	55	9,5	6	60
25	4	510	60	9,5	6	60
30	4,7	680	70	9,5	5	60
32	4,7	730	75	9,5	5	60
35	4,5	730	80	9,5	5	60
38	5,5	950	90	9,5	5	30
40	6,5	1220	100	9,5	5	30
45	6,5	1400	110	9,5	5	30
50	7	1600	125	9	5	30
60	7	2050	140	9	5	30
63	7	2250	150	9	4	30
70	8	2600	180	9	4	30
75	8	2850	200	9	4	30
80	8	3150	220	9	3	30
90	8,5	3750	260	9	3	30
100	9	4400	300	9	3	30
105	8,5	4000	310	9	2	20
110	9	4650	320	9	3	20
120	9	5200	340	9	2	20
125	9,5	5400	350	9	2	20
150	9,5	7200	450	9	2	20
200	9,5	10000	750	9	1,5	A.R.

EVA INDUSTRIAL
MANICOTTI/*MANCHONS*/MANICOTTI



Made in Italy

SPECIFICATIONS
Highly flexible hose, crushproof, max. bending without kinking, very low flow loss.
Temperature range: -30°C +60°C.
USE
Applications: extraction of air, dust, welding fumes, exhaust gas.
STRUCTURE
In EVA (ethyl-vinil-acetate) spiralled and unreinforced.

CARACTERISTIQUES
Tuyau très flexible, résistant à l'écrasement, perte de charge très limitée, léger.
Température d'emploi: -30°C +60°C.
EMPLOIS
Utilisation: aspiration d'air, fumées, poussières, fumées de soudure.
STRUCTURE
En EVA (éthyle-vinyle-acetate) spiralé et pas renforcé.

CARATTERISTICHE
Tubo flessibile, resistente a deformazioni permanenti, minima perdita di carico, massima curvatura senza strozzatura.
Temperatura: -30°C +60°C.
USO
Aspirazione aria, polveri, fumi di saldatura, gas di scarico.
STRUTTURA
In EVA (etil-vinil-acetato) spiralato senza armatura.

I.D. *Ø int* Ø int **mm**	**O. D.** *Ø ext.* Ø est. **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**vacuum** *vide* sottovuoto **m H_2O**	**coil length** *long. couronnes* lungh. rotoli **m**
25	33	200	66	5	30
29	36	220	76	5	30
32	41	270	82	5	30
38	48	360	93	5	30
45	55	470	111	5	30
50	61	560	122	5	30
60	72	700	146	4	30
75	88	920	155	4	15
80	94	1000	170	4	15

LUISIANA *

Made in Italy

*** Suitable for the contact with foodstuff that requires a simulating liquid type A-B-C in accordance with CE 1935/2004. Migration tests made at 40°C for 24 hours.**
** Approprié au contact avec aliments qui demandent un liquide simulant de type A-B-C selon CE 1935/2004. Tests de migration effectués à 40° pendant 24 heures.*
* Idoneo al contatto con alimenti che richiedono un liquido simulante del tipo A-B-C secondo CE 1935/2004. Prove di migrazione eseguite a 40°C per 24 ore.

SPECIFICATIONS
Flexible hose. Temperature range: -5°C +60°C.

USE
Applications: discharge of foodstuffs and drinks.

STRUCTURE
Shock-resistant rigid PVC spiral. Smooth inside. Available also in antistatic version.

CARACTERISTIQUES
Tuyau flexible. Température d'emploi: -5°C +60°C.

EMPLOIS
Utilisations: refoulement de produits alimentaires.

STRUCTURE
Spirale en PVC rigide antichoc. Intérieur lisse. Disponible aussi dans la version antistatique.

CARATTERISTICHE
Tubo flessibile. Temperatura:-5°C +60°C.

USO
Mandata liquidi alimentari e alcoolici fino a 28°.

STRUTTURA
Spirale in PVC rigido antiurto. Interno liscio. Disponibile anche in versione antistatica.

I.D. *Ø int* Ø int **mm**	**wall thickness** *épaisseur paroi* spessore parete **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**		**vacuum** *vide* sottovuoto **m H_2O**		**working pressure** *pression service* press. esercizio **bar -20°C**		**bursting pressure** *press. éclat.* press. scoppio **bar**		**coil length** *long. couronnes* lungh. rotoli **m**
			L.	**LS.**	**L.**	**LS.**	**L.**	**LS.**	**L.**	**LS.**	
20	3,1	1	0	0	7	7	8,0	6,5	24,0	19,5	50
25	3,3	0	120	100	7	7	8,0	6,5	24,0	19,5	50
30	3,5	0	140	125	7	7	7,0	5,5	21,0	16,5	50
32	3,6	0	150	135	7	7	7,0	5,5	21,0	16,5	50
35	3,4	0	160	145	7	7	7,0	5,0	21,0	15,0	50
38	3,7	0	170	155	7	7	6,5	4,5	19,5	13,5	50
40	3,8	0	180	160	7	7	6,5	4,5	19,5	13,5	50
45	3,7	0	200	180	7	7	6,5	4,0	19,5	12,0	50
50	4,1	0	220	200	7	7	6,0	3,5	18,0	10,5	50
60	4,5	0	270	245	7	7	5,0	3,5	15,0	10,5	50
63	4,0	1040	290	260	7	7	5,0	3,5	15,0	10,5	50
70	4,6	1200	320		7		4,0		12,0		50
75	5,2	1380	350	315	7	7	4,0	2,5	12,0	7,5	50
80	5,3	1560	360		7		4,0		12,0		25
90	5,2	1800	430		7		4,0		12,0		25
100	6,0	2160	480		7		4,0		12,0		25
102	6,2	2160	480	430	7	7	4,0	2,5	12,0	7,5	25
110	6,0	2400	530		6		4,0		12,0		25
120	6,2	2850	680		6		3,0		0,0		25
125	6,3	3130	730		6		3,0		0,0		25
127	6,8	3130		670	6	5		2,0		6,0	25
150	7,2	4250	810		5		3,0		0,0		25
152	7,4	4250		750	5	5		2,0		6,0	25
200	9,1	6400	900		5		2,0		0,0		10

LUISIANA SUPERELASTIC

Superelastic version more flexible. Temperature range: -25°C +55°C.
Version superelastic plus flexible. Température d'emploi: -25°C +55° .
Versione Superelastic più flessibile. Temperatura:-25°C +55°C.

OREGON

Made in Italy

SELF EXTINGUISHING TO UL 94 V2
AUTOEXTINGUIBLE SUIVANT UL 94 V2
AUTOESTINGUENTE SECONDO UL 94 V2

SPECIFICATIONS
Very smooth inside. Highly flexible and light in weight. Temperature range: -10°C +60°C

USE
Applications: ducting, dust and fumes extraction, suction of sawdust and yarns in the textile industry, ventilation.

STRUCTURE
Rigid PVC spiral.

CARACTERISTIQUES
Parfaitement lisse à l'intérieur. Très léger et flexible. Témperature d'emploi: -10° +60°C

EMPLOIS
Utilisation: ventilation industrielle, évacuation de gaz, fumées, copeaux, filaments dans l'industrie textile, dépoussiérage.

STRUCTURE
Spirale en PVC rigide.

CARATTERISTICHE
Superficie interna liscia. Molto leggero e flessibile. Temperatura: -10°C +60°C

USO
Aspirazione e passaggio aria, fumi, polveri, trucioli, filamenti nell'industria tessile, ventilazione.

STRUTTURA
Spirale in PVC rigido antiurto.

I.D. *Ø int* Ø int **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**vacuum** *vide* sottovuoto **m H_2O**	**coil length** *long. couronnes* lungh. rotoli **m**
20	170	20	5	50
25	185	25	5	50
30	225	30	5	50
32	255	32	5	50
35	300	35	5	50
38	310	38	5	50
40	330	40	4	50
45	370	45	4	50
50	440	50	4	50
60	560	60	4	50
63	600	63	4	50
70	640	70	4	50
75	730	75	4	50
80	790	80	4	30
90	950	90	4	30
100	980	100	4	30
110	1120	110	4	30
120	1300	120	4	30
125	1360	125	4	30
130	1440	130	4	30
140	1600	140	4	30
150	1760	150	4	30
160	1930	160	4	20
180	2300	180	4	20
200	2650	200	4	20
250	3600	250	4	15
300	4500	300	4	10

ARIZONA SUPERELASTIC

Made in Italy

SPECIFICATIONS
Very flexible. Temperature range: -25°C +55°C

USE
Applications: for tank cars, irrigation plants, sludge tankers.

STRUCTURE
Shock-resistant rigid PVC-spiral. Superelastic type, very good resistance to low temperature. Smooth inside.

CARACTERISTIQUES
Très flexible. Température d'emploi: -25°C +55°C

EMPLOIS
Utilisations: pour les tonnes à lisier, nettoyage de canalisations, assainissement.

STRUCTURE
Avec spirale en PVC rigide antishock. Type superelastic. Excellente résistance aux basses températures. Intérieur lisse.

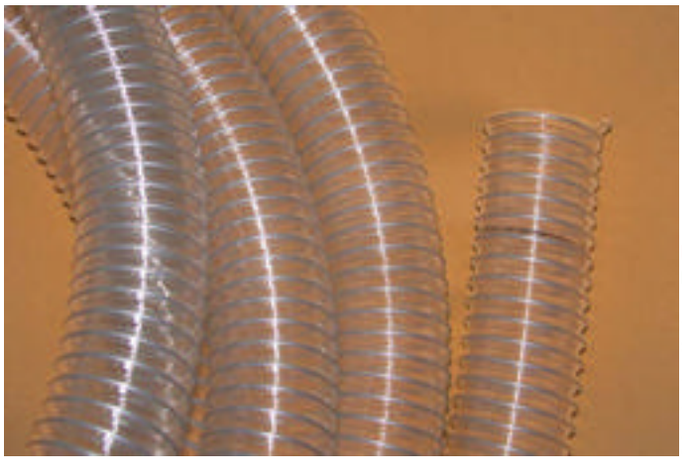
CARATTERISTICHE
Ottima flessibilità. Temperatura: -25°C +55°C

USO
Impianti di irrigazione, spurghi di fognature e pozzi neri. Data la sua ottima flessibilità è particolarmente adatto ad essere impiegato in aspirazione su carri botte.

STRUTTURA
Spirale in PVC antiurto tipo antigelo superelastico. Interno liscio.

I.D. *Ø int* Ø int **mm**	**I.D.** *Ø int* Ø int **mm**	**wall thickness** *épaisseur paroi* spessore parete **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**vacuum** *vide* sottovuoto **m H_2O**	**working pressure** *pression service* press. esercizio **bar -20°C**	**press. scoppio** *bursting pressure* pression d'éclat. **bar**	**coil length** *long. couronnes* lungh. rotoli **m**
1	25	4,4	500	100	9	7	21	50
1 1/4	32	4,4	600	130	9	6	18	50
1 1/2	38	4,4	700	150	9	6	18	50
1 3/4	45	5	900	180	9	5,5	16,5	50
	50	5,5	1050	200	9	5	15	50
	60	5,6	1250	240	9	4,5	13,5	50
2 1/2	63	6	1390	250	9	4,5	13,5	50
	75	6,5	1700	300	9	4	12	30
3	76	6,5	1700	300	9	4	12	30
	80	6,5	1850	320	9	3,5	10,5	30
3 1/2	89	6,7	2250	360	9	3,5	10,5	30
	90	6,7	2250	360	9	3,5	10,5	30
	100	7,4	2700	400	9	3	9	30
4	102	7,3	2700	400	9	3	9	30
	110	7,5	3100	440	9	3	9	20
	120	8	3600	480	9	2,5	7,5	20
	125	8,3	3900	500	9	2,5	7,5	20
5	127	8,3	3900	510	9	2,5	7,5	20
	130	8,5	4100	520	9	2,5	7,5	20
	133	8,5	4200	535	9	2,5	7,5	20
	150	9	5000	600	9	2	6	20
6	152	9	5000	610	9	2	6	20
	160	9,4	5600	640	9	2	6	20
	200	13	9500	800	9	1,5	4,5	–

SUPERFLEX PU - PU R* (STANDARD)



Made in Italy

*** Available in the self-extinguishing version according to DIN 4102 - B1 SCHWERENTFLAMMBAR.**
** Disponible en version auto extincteur aux normes DIN 4102 - B1 SCHWERENTFLAMMBAR.*
* Disponibile nella versione autoestinguente a norma DIN 4102 - B1 SCHWERENTFLAMMBAR.

SPECIFICATIONS
Very flexible hose, smooth inside surface. High resistance to abrasion traction, oils and fuels, diluted alkaline solutions and acids, U.V. rays and atmospheric agents. Working temperature -40°C +90°C, for a short period up to 125°C.

STRUCTURE
Polyurethane hose with zincplated or copperplated steel spiral; grounding by connection of both spiral ends. Different types available depending on polyurethane thickness or the spiral type request. On request according to the specific application and heaviness of the same.

USE
Suction and ducting of dust, sawdust and other abrasive material, granules and dusts of chemical products, etc. conduit with high mechanical protection.

CARACTERISTIQUES
Tuyau très flexible, intérieur lisse. Haute résistance à l'abrasion, à la traction et à la rupture, aux huiles et essences, aux solutions alcalines diluées et aux acides, aux rayons U.V. et aux agents atmosphériques. Température d'emploi -40°C +90°C, pour courte durée jusqu'à 125°C.

STRUCTURE
Tuyau en polyuréthane avec spirale en acier zingué ou cuivré; mise à la terre par connetion des extrémités de la spirale. Disponible en différentes versions, selon l'épaisseur du polyuréthane ou le type de spirale requis. À demander selon utilisation spécifique et lourdeur du travail.

EMPLOIS
Aspiration et passage de poudres, copeaux et autre matériel abrasif, granules et poudres de produits chimiques etc. Gaine avec protection mécanique élévée.

CARATTERISTICHE
Tubo molto flessibile, superficie interna liscia. Alta resistenza all'abrasione, alla trazione e alla rottura, agli oli e benzine, alle soluzioni alcaline diluite e agli acidi, ai raggi U.V. e agli agenti atmosferici. Temperatura d'utilizzo -40°C +90°C per breve tempo fino a 125°C.

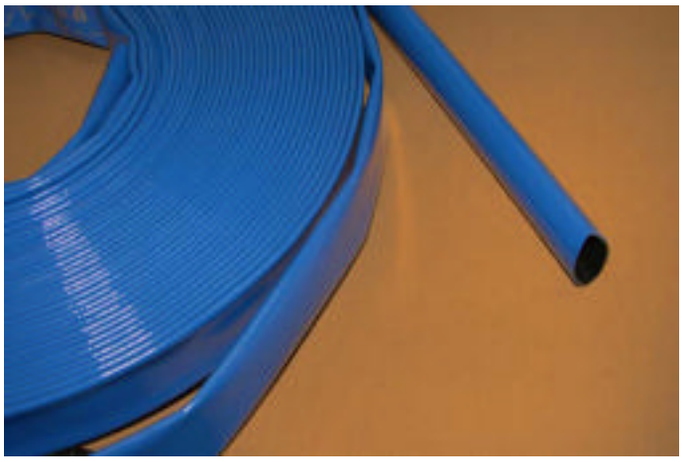
STRUTTURA
In poliuretano con spirale in acciaio zincato o ramato con possibilità di messa a terra tramite collegamento delle estremità della spirale. Disponibile in differenti versioni per lo spessore del poliuretano o per il tipo di spirale richiesti. Da richiedersi a seconda dell'utilizzo specifico e della gravosità della prestazione.

USO
Aspirazione e passaggio polveri, trucioli e altro materiale abrasivo, granuli e polveri di prodotti chimici e vari. Guaina di protezione con elevata resistenza meccanica.

I.D. *Ø int* Ø int **(mm)**	**wall thickness** *épaisseur paroi* spessore parete **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**vacuum** *vide* sottovuoto **m H_2O**	**working pressure** *pression service* press. esercizio **bar a 20°C**	**coil length** *long. couronnes* lungh. rotoli **m**
38°	0,5	166	38	4,8	1,5	30
40	0,5	180	40	4,5	1,4	30
45	0,5	200	45	4	1,3	30
50	0,55	260	50	3,5	1,2	30
60	0,55	300	60	3	1	30
63	0,55	320	63	2,5	0,9	30
70	0,6	420	70	2,5	0,8	30
75	0,6	440	75	2	0,8	30
80	0,6	480	80	2	0,7	30
90	0,6	520	90	2	0,7	30
100	0,65	660	100	1,5	0,6	30
110	0,65	720	110	1,5	0,6	30
120	0,65	780	120	1,5	0,5	30
125	0,65	800	125	1,5	0,5	30
130	0,65	840	130	1,5	0,5	30
140	0,65	900	140	1,5	0,5	30
150	0,7	1100	150	1	0,4	30
160	0,7	1160	160	1	0,4	30
170	0,7	1240	170	1	0,4	30
180	0,7	1300	180	1	0,4	30
200	0,7	1440	200	1	0,3	30
220	0,7	1580	220	0,5	0,3	15
250	0,8	1880	250	0,5	0,2	15
300	0,8	2250	300	0,4	0,2	15

*** Available only in the version PU/R.**
** Disponible seulement en version PU/R.*
* Disponibile solo nella versione PU/R.

JAMAICA



Made in Italy

SPECIFICATIONS
Using advanced technology this layflat hose provides the benefit of high performance with lightness in weight, when compared with same sizes of spiral PVC delivery hoses and rubber discharge hoses. Additionally it is easier to store, to handle and to transport. Temperature range: -10°C +60°C.

USE
Flexible hose for delivery of liquids under pressure. Agricultural irrigation, construction and shipbuilding industries, mining and industry in general. Particularly suitable for water supply to ships.

STRUCTURE
Smooth and seamless black inner surface, particularly resistant to elongation, smooth cover. Very high adhesion between inner and outer layers. Higly resistant to abrasion and ageing.

CARACTERISTIQUES
Tuyau plat, léger (50% inférieur aux tuyaux habituellement utilisés). Encombrement minimum (facilité de stockage, de transport et d'emploi). Température d'emploi. -10°C +60°C.

EMPLOIS
Refoulement sous pression d'eaux et de liquides en général. Agriculture, irrigation, chantiers navals, bâtiment, travaux publics, mines, pompes submersibles. Ravitaillement des navires en eaux, citernes etc.

STRUCTURE
Diamètres calibrés avec une structure particulièrement résistante à l'étirement, aplatissable et facilment enroulable sans point de jonction. Parfaite adhérance entre la robe inférieure et extérieure.

CARATTERISTICHE
Tubo flessibile a struttura appiattibile che offre i seguenti vantaggi: leggerezza (a pari diametro peso inferiore del 50% dei comuni tubi). Minimo ingombro (ingombri ridotti che facilitano l'immagazzinaggio, il trasporto e l'utilizzo). Temperatura d'impiego: -10°C +60°C.

USO
Mandata a pressione di liquidi in genere. In agricoltura per irrigazione. Edilizia, cantieristica, miniere e industrie. Rifornimenti idrici, di navi, cisterne ecc.

STRUTTURA
Diametri calibrati e struttura particolarmente resistente all'allungamento. Appiattibile senza punti di congiunzione. Massima adesione tra strato esterno e sottostrato.
JAMAICA H ARANCIO / *JAMAICA H ORANGE* / JAMAICA H ARANCIO
PESANTE / *LOURD* / PESANTE

I.D. *Ø int* Ø int **mm**	**I.D.** *Ø int* Ø int **inch**	**mass** *masse* massa **gr/m**	**working pressure** *pression service* press. esercizio **bar -20°C**	**bursting press.** *pression éciat.* press. scoppio **bar**	**resistance***** *resistance**** resistenza*** **"A"** **Kg** **"B"**	**coil lenght** *long. cour.* lungh. rotoli **m**
51	2	600	12	36	780 1800	100
63	2\n	840	12	36	950 2200	100
76	3	960	12	36	1100 2600	100
90	3ln	1150	10	30	1300 3000	100
102	4	1400	10	30	1500 3500	100

*** - "A"= **Working pull resistance** - *Résistance service à la traction* - Resistenza esercizio
"B"= **Breaking pull resistance** - *Résistance rupture à la traction* - Carico rottura

JAMAICA M BLUE / *JAMAICA M BLEU* / JAMAICA M BLU
MEDIUM / *MOYEN* / MEDIO

I.D. *Ø int* Ø int **mm**	**I.D.** *Ø int* Ø int **inch**	**mass** *masse* massa **gr/m**	**working pressure** *pression service* press. esercizio **bar - 20°C**	**bursting press.** *pression éciat.* press. scoppio **bar**	**coil lenght** *long. cour.* lungh. rotoli **m**
20		150	10	30	50/100
25	1	190	10	30	50/100
30		220	10	30	50/100
32	1 1/4	240	10	30	50/100
35		290	10	30	50/100
38	1 1/2	300	10	30	50/100
40		320	10	30	50/100
45	1 3/4	360	10	30	50/100
51	2	410	10	30	50/100
60		550	8	24	50/100
63	2 1/2	570	8	24	50/100
70		650	8	24	50/100
76	3	700	8	24	50/100
80		750	8	24	50/100
90	3 1/2	860	8	24	50/100
102	4	1000	8	24	50/100
110		1150	8	24	50/100
127	5	1350	6	18	50/100
152	6	1600	4	12	50/100
204	8	2400	3	9	50

JAMAICA L LIGHT BLUE / *JAMAICA BLEU CLAIR* / JAMAICA L AZZURRO
LIGHT / *LEGER* / LEGGERO

I.D. *Ø int* Ø int **mm**	**I.D.** *Ø int* Ø int **inch**	**mass** *masse* massa **gr/m**	**working pressure** *pression service* press. esercizio **bar - 20°C**	**bursting press.** *pression éciat.* press. scoppio **bar**	**coil lenght** *long. cour.* lungh. rotoli **m**
20		135	8.5	25,5	50/100
25	1	155	8.5	25,5	50/100
32	1 1/4	210	8.5	25,5	50/100
35		220	8.5	25,5	50/100
38	1 1/2	240	8.5	25,5	50/100
40		250	8.5	25,5	50/100
45	1 3/4	280	6,5	19.5	50/100
51	2	300	6,5	19.5	50/100
60		360	6,5	19.5	50/100
63	2 1/2	420	6,5	19.5	50/100
70		450	5,5	16.5	50/100
76	3	520	5,5	16.5	50/100
80		580	5,5	16.5	50/100
90	3 1/2	660	5,5	16.5	50/100
102	4	720	5,5	16.5	50/100
110		780	5,5	16.5	50/100
127	5	1130	3	9	50/100
152	6	1350	3	9	50/100
204	8	2000	2,5	7	50

JAMAICA S GRAY / *JAMAICA S GRIS* / JAMAICA S GRIGIO

I.D. *Ø int* Ø int **mm**	**I.D.** *Ø int* Ø int **inch**	**mass** *masse* massa **gr/m**	**working pressure** *pression service* press. esercizio **bar - 20°C**	**bursting press.** *pression éciat.* press. scoppio **bar**	**coil lenght** *long. cour.* lungh. rotoli **m**
38	1 1/2	175	2.5	7.5	100
40		180	2.5	7.5	100
51	2	270	2.5	7.5	100
60		300	2	6	100
63	2 1/2	310	2	6	100
76	3	380	2	6	100
80		390	1.5	4.5	100
102	4	500	1.5	4.5	100

RAGNO ANTIGELO

SPECIFICATIONS
Flexible hose resistant to weather conditions. Temperature range: -5°C +60°C.
USE
Applications: water delivery.
STRUCTURE
Soft PVC hose with polyester yarn reinforcement.

CARACTERISTIQUES
Tuyau flexible résistant à l'action des agents atmosphériques. Température d'emploi: -5°C +60°C.
EMPLOIS
Utilisations: refoulement d'eau.
STRUCTURE
Tuyau en PVC souple avec renforcement en fil polyester.

CARATTERISTICHE
Tubo flessibile resistente agli agenti atmosferici. Temperatura: -5°C +60°C.
USO
Passaggio acqua per floricoltura e agricoltura.
STRUTTURA
PVC plastificato con rinforzo interno in fibra poliestere.

I.D. *Ø int* Ø int **mm**	**I.D.** *Ø int* Ø int **inch**	**mass** *masse* massa **gr/m**	**work. press.** *press. serv.* press. es. **bar - 20°C**	**burst. press.** *press. éclat.* press. sc. **bar**	**coil length** *long. couronnes* lungh. rotoli **m**
10	15	125	8	24	50
12	16	110	6	18	50
13	18	155	8	24	50
13	19	180	8	24	50
15	18,5	125	6	18	50
16	21	190	8	24	50
16	22	230	8	24	50
18	23,4	230	6	18	50
19	25	275	7	21	50
19	26	310	7	21	50
22	29	370	7	21	50
25	32	400	6	18	50
25	33	460	6	18	50
30	38	560	6	18	50
35	45	700	5	15	50
40	50	840	4	12	50
50	60	1300	4	12	25

RAGNO CR *

*** Suitable for the contact with foodstuff that requires a simulating liquid type A accordance with 1935/2004 CE. Migration tests made at 40°C for 24 hours.**
** Approprié au contact avec aliments qui demandent un liquide simulant de type A selon CE1935/2004.*
Tests de migration effectués à 40° pendant 24 heures.
* Idoneo al contatto con alimenti che richiedono un liquido simulante del tipo A secondo CE 1935/2004. Prove di migrazione eseguite a 40°C per 24 ore.

SPECIFICATIONS
Flexible hose resistant to weather conditions. Temperature range: -5°C +60°C.

USE
Applications: delivery of cooling liquids, chemical solutions, in the food and can industry, compressed air.

STRUCTURE
Soft PVC hose with polyester reinforcement.

CARACTERISTIQUES
Tuyau flexible résistant à l'action des agents atmosphériques. Température d'emploi: -5°C +60°C.

EMPLOIS
Utilisations: passage de liquides de refroidissement, produits chimiques, dans l'industrie alimentaire, pour l'air comprimé.

STRUCTURE
Tuyau en PVC souple avec renforcement en fil polyester.

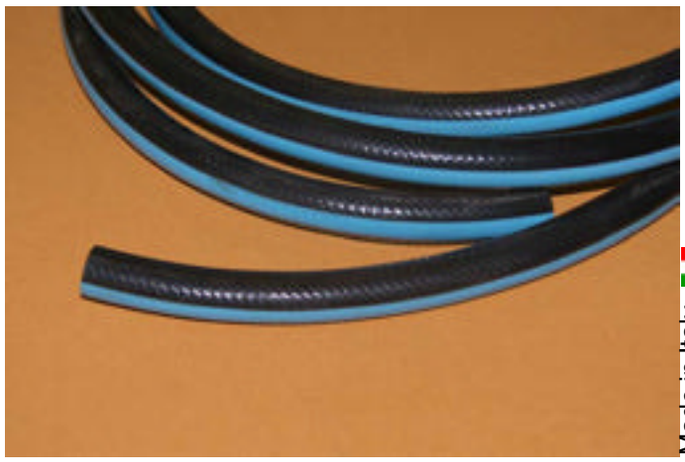
CARATTERISTICHE
Tubo flessibile resistente agli agenti atmosferici. Temperatura: -5°C +60°C.

USO
Passaggio liquidi di raffreddamento, soluzioni chimiche, industria alimentare e conserviera, aria compressa.

STRUTTURA
PVC plastificato con rinforzo interno in fibra poliestere.

I.D. *Ø int* Ø int	**O. D.** *Ø ext.* Ø est.	**work. press.** *press. serv.* press. esercizio			**burst. press.** *press. éclat.* press. sc.	**coil length** *long. couronnes* lungh. rotoli
mm	**mm**	**20°C bar**	**40°C bar**	**60°C bar**	**bar**	**m**
4	10	20	16	12	60	100
5	11	20	16	12	60	100
6	11	20	16	12	60	100
6	12	20	16	12	60	100
6	14	20	16	12	60	100
7	13	20	16	12	60	100
8	13	18	13	9	54	100
8	14	18	13	9	54	100
8	17	18	13	9	54	100
9	15	18	13	9	54	100
10	15	18	13	9	54	100
10	16	18	13	9	54	100
12	17	12	9	6	36	50
12	18	12	9	6	36	50
13	18	12	9	6	36	50
13	19	12	9	6	36	50
15	21	10	7	4	30	50
15	23	10	7	4	30	50
16	21	10	7	4	30	50
16	22	10	7	4	30	50
19	25	10	7	4	30	50
19	26	10	7	4	30	50
22	30	8	5	3	24	50
25	32	8	5	3	24	50
25	33	8	5	3	24	50
30	38	8	5	3	24	50
32	42	8	4	2	24	50
35	45	8	4	2	24	50
38	48	8	4	2	24	50
40	50	8	4	2	24	50
45	55	8	4	2	24	50
50	62	8	4	2	24	25

RAGNO N 20-40 BAR / SUPER RAGNO N 80 BAR



Made in Italy

SPECIFICATIONS
Flexible hose resistant to weather conditions.

USE
Applications: spraying of insecticides and pesticides, conveying under pressure of fluids, air compressors.

STRUCTURE
Soft PVC hose with polyester yarn reinforcement. Three layers in soft PVC with double textile polyester reinforcement.

CARACTERISTIQUES
Tuyau flexible résistant à l'action des agents atmosphériques.

EMPLOIS
Utilisation: pulvérisation, passage de liquides sous pression, compresseurs.

STRUCTURE
En PVC souple avec renforcement spiralé en fil polyester. Trois couches en PVC souple avec double renforcement en fil polyester.

CARATTERISTICHE
Tubo flessibile resistente agli agenti atmosferici.

USO
Irrorazione a pressione di insetticidi e antiparassitari, passaggio liquidi a pressione, compressori.

STRUTTURA
In PVC plastificato con rinforzo avvolto in fibra poliestere. In PVC plastificato in tre strati rinforzato da doppia magliatura in fibra poliestere.

RAGNO N 20 BAR

I.D. *Ø int* Ø int **mm**	**O. D.** *Ø ext.* Ø est. **mm**	**working pressure** *pression service* press. esercizio **bar - 20°C**	**bursting pressurre** *pression d'éclat.* press. scoppio **bar**	**coil length** *long. couronnes* lungh. rotoli **m**
8	13	20	60	100
10	15	20	60	100
13	19	20	60	100
16	23	20	60	100
19*	26	20	60	100
25*	34	20	60	50

RAGNO N 40 BAR

I.D. *Ø int* Ø int **mm**	**O. D.** *Ø ext.* Ø est. **mm**	**working pressure** *pression service* press. esercizio **bar - 20°C**	**bursting pressurre** *pression d'éclat.* press. scoppio **bar**	**coil length** *long. couronnes* lungh. rotoli **m**
8	14	40	120	100
10	16	40	120	100
13*	21	40	120	100

SUPER RAGNO N 80 BAR

I.D. *Ø int* Ø int **mm**	**O. D.** *Ø ext.* Ø est. **mm**	**working pressure** *pression service* press. esercizio **bar - 20°C**	**bursting pressurre** *pression d'éclat.* press. scoppio **bar**	**coil length** *long. couronnes* lungh. rotoli **m**
8*	15	80	240	100
10*	19	80	240	100
13*	23	80	240	100

CRISTALLO ATOSSICO*

Made in Italy

*** Suitable for the contact with foodstuff that requires a simulating liquid type A-B-C in accordance with 1935/2004 CE. Migration tests made at 40°C for 24 hours.**
** Approprié au contact avec aliments qui demandent un liquide simulant de type A-B-C selon CE 1935/2004. Tests de migration effectués à 40° pendant 24 heures.*
* Idoneo al contatto con alimenti che richiedono un liquido simulante del tipo A-B-C secondo CE 1935/2004. Prove di migrazione eseguite a 40°C per 24 ore.

SPECIFICATIONS
Made with a cristal-clear material resistant to low temperatures.

USE
Delivery of liquids. Industry. To be used as level.

STRUCTURE
One-layer soft PVC.

CARACTERISTIQUES
Produit avec un matériel transparent résistant aux basses températures.

EMPLOIS
Passage de liquides. Industrie. A utiliser comme niveau.

STRUCTURE
PVC souple à une seule couche.

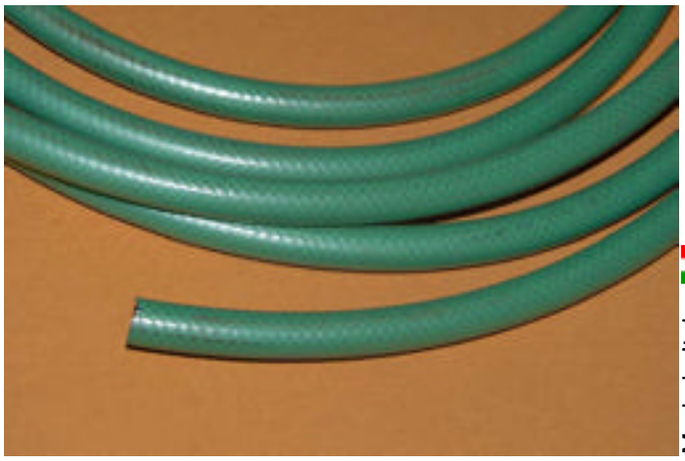
CARATTERISTICHE
Prodotto con materiale resistente alle basse temperature con trasparenza cristallina.

USO
Passaggio liquidi in genere. Adatto a rilevare livelli in edilizia. Industria in genere.

STRUTTURA
Tubo in PVC plastificato monostrato.

I.D. *Ø int* Ø int **mm**	**O. D.** *Ø ext.* Ø est. **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**coil length** *long. couronnes* lungh. rotoli **m**
3	6	25	24	200
4	6	19	32	200
4	7	32	32	200
5	8	35	40	200
6	9	44	48	200
7	10	50	56	100
8	12	80	64	100
10	14	90	80	100
12	17	140	120	100
13	19	190	130	100
14	19	160	140	100
16	22	215	160	100
18	25	290	180	50
20	27	320	200	50
22	30	380	220	50
25	34	500	250	50
30	40	680	300	30
35	45	760	350	30
40	50	900	400	30
50	60	1200	500	30

RAGNO PU*



*** Suitable for the contact with foodstuff that requires a simulating liquid type A-B-C in accor dance with 1935/ 2004 CE. Migration tests made at 40°C for 24 hours.**
** Approprié au contact avec aliments qui demandent un liquide simulant de type A-B-C selon CE1935/2004. Tests de migration effectués à 40° pendant 24 heures.*
* Idoneo al contatto con alimenti che richiedono un liquido simulante del tipo A-B-C secondo CE 1935/2004. Prove di migrazione eseguite a 40°C per 24 ore.

WITH BRAND INDICATING LENGTH
AVEC MARQUAGE INDIQUANT LA LONGUEUR
CON MARCHIATURA CONTAMETRO

SPECIFICATIONS
This hose is 2/3 lighter than conventional PVC and rubber hoses. High flexibility and narrow bending radius which prevents hose choking. Working pressure 20 bar, bursting pressure 60 bar. Working temperature -15°C +60°C. High resistance to ozone, hydrocarbure, fats, oils and slightly aggressive chemical products.

USE
Pneumatic tooling, spray- and painting guns, sandblasting, blow and inflation.

STRUCTURE
Reinforced hose made of an antiabrasive PU and thermoplastic rubber compound.

CARACTERISTIQUES
Ce tuyau est 2/3 plus léger que les tuyaux conventionnels en PVC et caoutchouc. Flexibilité très élevée et rayon de courbure très réduit qui empêche le rétrecissement du tuyau. Pression service 20 bar, pression éclatement 60 bar. Température d'emploi -15°C +60°C. Haute résistance à l'ozone, hydrocarbures, graisses et produits chimiques légèrement agressifs.

EMPLOIS
Outillage pneumatique, aérographes, pistolets pour peinture, sablage, soufflage et gonflage.

STRUCTURE
Tuyau renforcé en formulation spéciale de PU antiabrasif et coutchouc thermoplastique.

CARATTERISTICHE
Tubo di peso inferiore di circa 2/3 ai convenzionali tubi di PVC e gomma. Flessibilità molto elevata ed angolo di curvatura molto ridotto che impedisce la strozzatura del tubo. Pressione esercizio 20 bar, pressione scoppio 60 bar. Temperatura d'esercizio -15°C +60°C. Alta resistenza ad ozono, idrocarburi, grassi, oli e prodotti chimici moderatamente aggressivi.

USO
Per utensileria pneumatica in genere, aerografi, pistole per verniciatura, sabbiatura, soffiaggio e gonfiaggio.

STRUTTURA
Tubo rinforzato in Pu anti abrasivo e gomma termoplastica.

I.D. *Ø int* Ø int **mm**	**O. D.** *Ø ext.* Ø est. **mm**	**mass** *masse* massa **gr/m**	**work. press.** *press. serv.* press. es. **bar - 20°C**	**burst. press.** *press. éclat.* press. sc. **bar**	**coil length** *long. couronnes* lungh. rotoli **m**
6	10	70	20	60	100
8	12	85	20	60	60
10	15	130	20	60	50
13	19	195	20	60	30
16	23	250	20	60	25

TEXOIL - TEXOIL A

Made in Italy

SPECIFICATIONS
Flexible hose. Temperature range: -10°C +60°C.

USE
Applications: suction and discharge of oil based liquids.

STRUCTURE
Rigid PVC spiral. Smooth inside.

CARACTERISTIQUES
Tuyau flexible. Température d'émploi: -10°C +60°C

EMPLOIS
Utilisations: aspiration et refoulement de produits pétroliers.

STRUCTURE
Spirale en PVC rigide. Intérieur lisse.

CARATTERISTICHE
Tubo flessibile. Temperatura: -10°C +60°C

USO
Aspirazione e mandata di prodotti petroliferi.

STRUTTURA
Spirale in PVC rigido antiurto. Interno liscio.

Antistatic version.
Version antistatique.
Versione antistatica.

I.D. *Ø int* Ø int **mm**	**wall thickness** *épaisseur paroi* spessore parete **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. mm	**vacuum** *vide* sottovuoto **m H_2O**	**working pressure** *pression service* press. esercizio **bar - 20°C**	**bursting pressure** *pression d'éclat.* press. scoppio **bar**	**coil length** *long. couronnes* lungh. rotoli **m**
25	4,5	540	160	9	9	27	50
30	4,5	680	180	9	7	21	50
32	4,5	700	190	9	7	21	50
35	4,5	750	210	9	7	21	50
38	4,5	800	230	9	7	21	50
40	4,5	850	240	9	7	21	50
45	5,5	1000	260	9	6	18	50
50	5,8	1200	290	9	6	18	50
60	6,5	1700	350	9	6	18	50
63	6,5	1700	360	9	6	18	50
70	6,5	1900	410	9	6	18	50
75	6,5	2000	450	9	6	18	50
80	7	2200	490	9	5	15	50
90	7,2	2600	560	9	4	12	30
100	7,5	3300	640	9	4	12	30

ALASKA ANTISTATICO

Made in Italy

ANTISTATICITY: 1 YEAR WARRANTY
CONDUCTIVITÉ: GARANTIE 1 AN
PROTEZIONE ANTISTATICA GARANTITA 1 ANNO

SPECIFICATIONS
Specifications: the special material formulation of hose grants a better safety against electrostatic discharges caused by the flow of the material.

USE
Application: suction of dust, ducting of yarns, industrial ducting generally and particularly in mining industry, wasted material.

STRUCTURE
Structure: made of special PVC with static conductive compound ROE 1x109 Ohm.

CARACTERISTIQUES
Caractéristiques: la formulation spéciale du matériel garantit une meilleure sécurité contre les charges électrostatiques créées par le passage du matériel.

EMPLOIS
Applications: aspiration poussières, textiles, constructions, mines et travaux publiques en général, résidus des matériaux.

STRUCTURE
Structure: PVC, en formule spéciale, conducteur de éléctricité statique ROE 1x109 Ohm.

CARATTERISTICHE
Lo speciale materiale con il quale il tubo è formulato garantisce una migliore sicurezza contro le scariche elettrostatiche provocate dal passaggio dei residui di lavorazione.

USO
Aspirazione residui di lavorazioni in polvere, passaggio filati. Industria in genere, cantieristica, impianti di aspirazione.

STRUTTURA
PVC speciale, formulazione antistatica con valore di resistività superficiale ROE 1x109 Ohm.

N.B.: Standard PVC hose ROE index 1x1013 Ohm.
N.B.: Tuyau standard en PVC index 1x1013 Ohm.
N.B.: Tubo PVC Standard indice ROE 1x1013 Ohm.

I.D. *Ø int* Ø int **mm**	**mass** *masse* massa **gr/m**	**bending radius** *rayon courb.* raggio curv. **mm**	**vacuum** *vide* sottovuoto **m H_2O**	**coil length** *long. couronnes* lungh. rotoli **m**
20	170	20	5	50
25	185	25	5	50
30	225	30	5	50
32	255	32	5	50
35	300	35	5	50
38	310	38	5	50
40	330	40	4	50
45	370	45	4	50
50	440	50	4	50
60	560	60	4	50
63	600	63	4	50
70	640	70	4	50
75	730	75	4	50
80	790	80	4	30
90	950	90	4	30
100	980	100	4	30
110	1120	110	4	30
120	1300	120	4	30
125	1360	125	4	30
130	1440	130	4	30
140	1600	140	4	30
150	1760	150	4	30
160	1930	160	4	20
180	2300	180	4	20
200	2650	200	4	20
250	3600	250	4	15
300	4500	300	4	10

OREGON POLIURETANO *

*** Suitable for the contact with dry foodstuff in accordance with 1935/2004 CE (no simulating liquid is required).**
** Approprié au contact avec des aliments secs selon CE 1935/2004 (aucun liquide simulant n'est prévu).*
* Idoneo al contatto con alimenti secchi secondo CE 1935/2004 (non previsto alcun liquido simulante).

SPECIFICATIONS
Flexible hose, smooth inner surface. Temperature -25°C +85°C. Excellent resistance to abrasion, atmospheric agents and attack by micro-organisms. Suitable for contact with dried food products; good resistance to attack by chemical products.
USE
Suction and transportation of abrasive materials, powders, grains, cereals, processing scraps and organic materials used in industry, agriculture and gardening.
STRUCTURE
In polyurethane with a spiral in shock-resistant, rigid PVC.

CARACTERISTIQUES
Tuyau flexible, surface interne lisse. Température -25°C +85°C. Excellente résistance à l'abrasion, aux agents atmosphériques et à l'agression de micro organismes. Indiqué pour le contact avec des produits alimentaires secs, bonne résistance à l'agression des produits chimiques.
EMPLOIS
Aspiration et transport de matières abrasives, poudres, grenailles, céréales, déchets de fabrication, matières organiques dans l'industrie, l'agriculture et le jardinage.
STRUCTURE
En polyuréthane avec spirale en PVC rigide antichoc.

CARATTERISTICHE
Tubo flessibile, superficie interna liscia. Temperatura -25°C +85°C.
Ottima resistenza all'abrasione, agli agenti atmosferici e all'aggressione di microorganismi. Idoneo al contatto prodotti alimentari secchi, buona resistenza all'aggressione dei prodotti chimici.
USO
Aspirazione e trasporto di materiali abrasivi, polveri, granaglie, cereali, scarti di lavorazione, materiali organici in industria, agricoltura e giardinaggio.
STRUTTURA
In Poliuretano con spirale in PVC rigido antiurto.

POLYESTER
Food-quality grade

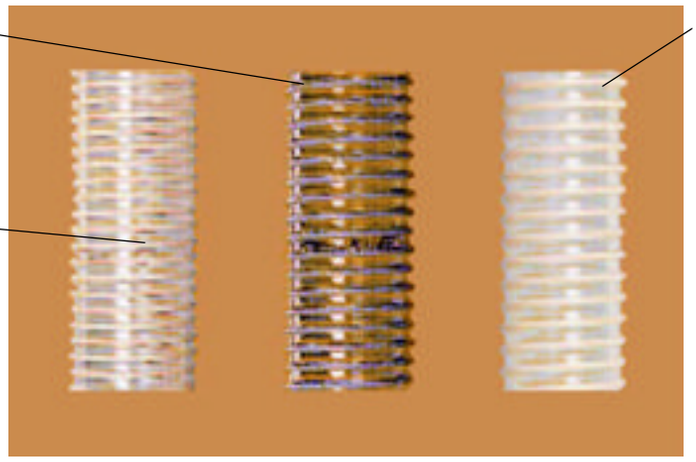
POLYESTER
Pour aliments

POLIESTERE
per alimenti

ANTI-STATIC
Food-quality grade
With copper coil

ANTISTATIQUE
Pour aliments
Avec spirale en cuivre

ANTISTATICO
per alimenti
Con spirale in rame.



POLYESTER
Food-quality grade
Resists hydrolysis in hot water (>60°C), microbial attacks and microorganisms.

POLYETER
Pour aliments
Résistant à hydrolyse en eau chaude supérieure à 60°C, à l'attaque microbienne et aux microorganismes.

POLIETERE
per alimenti
Resistente a idrolisi in acqua calda superiore a 60°C, all'attacco microbico e ai microrganismi.

I.D. *Ø int* Ø int **mm**	**mass** *masse* massa **gr/m**		**bending radius** *rayon courb.* raggio curv. **mm**	**vacuum** *vide* sottovuoto **m H_2O**	**coil length** *long. couronnes* lungh. rotoli **m**
		*			
25	160	190	25	4	20
30	180	210	30	4	20
32	195	240	32	4	20
35	200	250	35	4	20
38	250	310	38	3	20
40	280	330	40	3	20
45	320	370	45	3	20
50	390	440	50	3	20
60	440	500	60	3	20
63	470	530	63	3	20
70	600	660	70	3	20
75	600	660	75	3	20
80	650	740	80	3	20
90	750	810	90	3	20
100	850	920	100	3	20
110	1050	1120	110	3	20
120	1100	1180	120	3	20
125	1170	1250	125	3	20
130	1280	1350	130	3	20
140	1400	1500	140	3	20
150	1450	1600	150	3	20
160	1700	1780	160	3	20
180	2000	2100	180	3	10
200	2180	2280	200	3	10
250	2960	-	250	3	10
300	3700	-	300	3	10

* **Antistatic version** / *Exécution antistatique* / Versione antistatica

FLEXIBLE HOSES - AIR
TUYAUTERIES FLEXIBLES - AIR
TUBAZIONI FLESSIBILI - ARIA

PAD-A

Made in Italy

PAD-A is a flexible hose made of a polyester fabric coated with self-extinguishing PVC on both sides and a coil, available diameters, pre-stressed steel wire (in italiano non si capiva) è una tubazione flessibile realizzata con un tessuto in poliestere spalmato su entrambi i lati di PVC autoestinguente ed una spirale diametri disponibili incorporata in filo di acciaio armonico.

APPLICATIONS:
Suitable for civil, industrial and naval air-conditioning plants.
Also suggested for ventilation and fume aspiration units, air conveying, etc.

FEATURES:
Light weight
Flexibility: high
Flammability: grade M1 (F)
Bending radius: very limited (Ø 0.5 m)
Axial Compressibility : 10 to 1

ROLL LENGTH: 10 mt.
WORKING TEMPERATURE : from -20°C to +90°C

PAD A est une tuyauterie flexible réalisée avec un tissu en polyester recouvert sur les deux côtés de PVC auto extincteur et une spirale de diamètres disponibles incorporée en fil d'acier harmonique.

APPLICATIONS:
Idéale pour les installations civiles de conditionnement, industrielles et navales.
Également conseillé pour la ventilation, les aspirations de fumées et de gaz, circulation d'air, etc.

CARACTERISTIQUES:
Légèreté
Flexibilité: élevée
Inflammabilité: classe M1 (F)
Rayon de cintrage: très contenu (Ø 0,5 m)
Compressibilité axiale: 10 à 1

LONGUEUR ROULEAUX: 10 mt.
TEMPERATURE D'EXERCICE: de -20°C à +90°C

PAD-A è una tubazione flessibile realizzata con un tessuto in poliestere spalmato su entrambi i lati di PVC autoestinguente ed una spirale diametri disponibili incorporata in filo di acciaio armonico.

APPLICAZIONI:
Ideale per gli impianti di condizionamento civili, industriali e navali.
Consigliato anche per ventilazione, aspirazioni di fumi e gas, convogliamento d'aria, ecc.

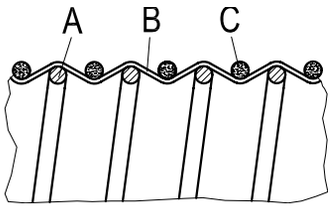
CARATTERISTICHE:
Leggerezza
Flessibilità: elevata
Infiammabilità: classe M1 (F)
Raggio di curvatura: molto contenuto (Ø 0,5 m)
Comprimibilità assiale: 10 a 1

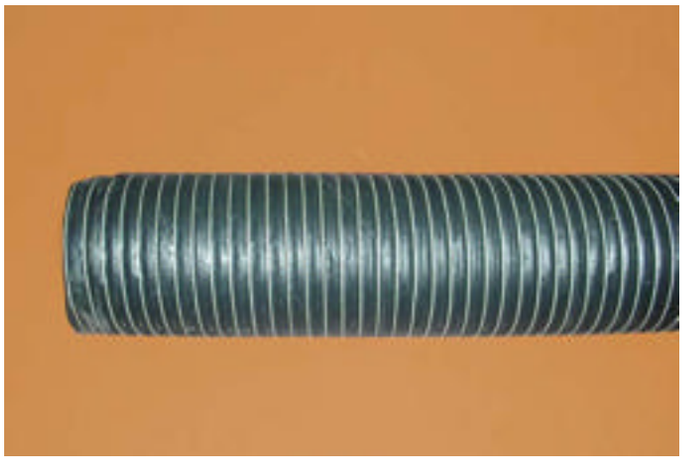
LUNGHEZZA ROTOLI: 10 mt.
TEMPERATURA D'ESERCIZIO: da -20°C a +90°C

available diameters
diamètres disponibles
diametri disponibili
(mm)

50	180
70	229
76	254
82	280
90	305
102	315
112	356
120	406
127	457
133	508
140	558
152	610
164	

CAT





CONSTRUCTION:
A : continuous pre-stressed-steel coil coated with copper or bronze.
B : Impregnated glass-fibre fabric coated with self-extinguishing neoprene rubber.
C : glass-fibre yarn impregnated with neoprene rubber.

APPLICATIONS:
Aspiration of medium to high temperature gases and fumes.
Aspiration of exhaust gases from internal combustion engines.
Ventilation of industrial ovens.
Aspiration of chemical and corrosive vapours and fumes.

TEMPERATURE RANGES:
Max : -55 ÷ +176°C
Working t.: -10% of max. value.

SIZING:
6 and 4 mt. sleeves

CONSTRUCTION:
A : spirale continue en acier harmonique recouverte de cuivre ou de bronze.
B : tissu en fibre de verre imprégné et revêtu de caoutchouc au néoprène auto extincteur.
C : fil en fibre de verre imprégné de caoutchouc au néoprène.

UTILISATIONS:
Aspiration de gaz et de fumées à moyennes et à hautes températures.
Aspiration de gaz d'échappement de moteurs à explosion.
Ventilateur fours industriels.
Aspiration de vapeurs et de fumées de produits chimiques même corrosifs.

TEMPERATURES D'UTILISATION:
Maximum: de -55 à +176°C
D'exercice: -10% de la valeur maximale.

PIECES:
Manchons de 6 et de 4 mt.

COSTRUZIONE:
A : spirale continua in acciaio armonico ricoperta di rame o di bronzo.
B : tessuto di fibra di vetro impregnato e rivestito di gomma al neoprene autoestinguente.
C : filo di fibra di vetro impregnato di gomma al neoprene.

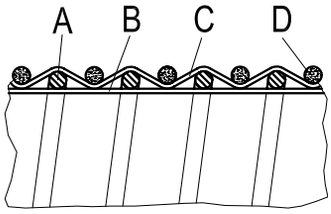
IMPIEGHI:
Aspirazione di gas e fumi a medie ed alte temperature.
Aspirazione gas di scarico di motori a scoppio.
Ventilazione forni industriali.
Aspirazione vapori e fumi di prodotti chimici anche corrosivi.

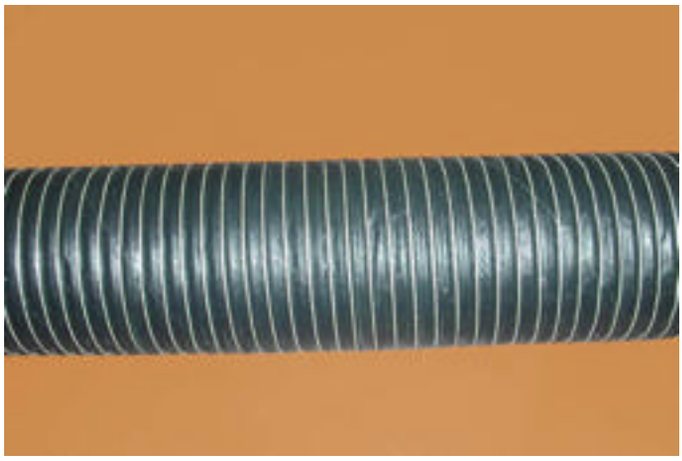
TEMPERATURE D'IMPIEGO:
Massima : -55 ÷ +176°C
D'esercizio : -10% del valore massimo.

PEZZATURE:
Manichette da 6 e 4 mt.

Ø int *Ø int* Ø int **(mm)**	**weight** *poids* peso **(gr/m)**	**maximum pressure** *pression max.* pressione massima **(kpa)**	**max. negative pressure** *dépression max.* depressione massima **(m H2O)**
25	125	135	5,170
32	160	135	5,170
35	175	135	5,170
38	170	120	5,170
45	210	120	4,700
50	250	120	4,285
57	285	103	4,280
64	310	103	4,280
70	350	103	3,600
76	420	103	3,400
82	410	96	2,950
89	445	96	2,900
95	475	96	2,900
102	565	85	2,585
114	570	85	2,050
127	800	68	1,700
140	700	68	1,500
152	1040	68	1,360
165	1120	50	1,150
178	1210	50	1,020
203	1390	50	0,680
254	2000	30	0,410
305	2410	25	0,270

CEET





CONSTRUCTION:
A : continuous pre-stressed-steel coil coated with copper or bronze.
B-C : Impregnated glass-fibre fabric coated with self-extinguishing neoprene rubber.
D : glass-fibre yarn impregnated with neoprene rubber.

APPLICATIONS:
Aspiration of medium to high temperature gases and fumes.
Aspiration of exhaust gases from internal combustion engines.
Ventilation of industrial ovens.
Aspiration of chemical and corrosive vapours and fumes.

TEMPERATURE RANGES:
Max : -55 ÷ +176°C
Working t.: -10% of max. value.

SIZING:
6 and 4 mt. sleeves

CONSTRUCTION:
A : Spirale continue en acier harmonique recouverte de cuivre ou de bronze.
B-C: Tissu en fibre de verre imprégné et revêtu de caoutchouc au néoprène auto extincteur.
D: Fil en fibre de verre imprégné de caoutchouc au néoprène.

UTILISATIONS:
Aspiration de gaz et de fumées à moyennes et à hautes températures.
Aspiration de gaz d'échappement de moteurs à explosion.
Ventilateur fours industriels.
Aspiration de vapeurs et de fumées de produits chimiques même corrosifs.

TEMPERATURES D'UTILISATION:
Maximum: de -55 à +176°C
D'exercice: -10% de la valeur maximale.

PIECES
Manchons de 6 et de 4 mt.

COSTRUZIONE:
A : spirale continua in acciaio armonico ricoperta di rame o di bronzo.
B-C : tessuto di fibra di vetro impregnato e rivestito di gomma al neoprene autoestinguente.
D : filo di fibra di vetro impregnato di gomma al neoprene.

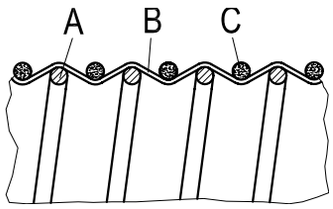
IMPIEGHI:
Aspirazione di gas e fumi a medie ed alte temperature.
Aspirazione gas di scarico di motori a scoppio.
Ventilazione forni industriali.
Aspirazione vapori e fumi di prodotti.
chimici anche corrosivi.

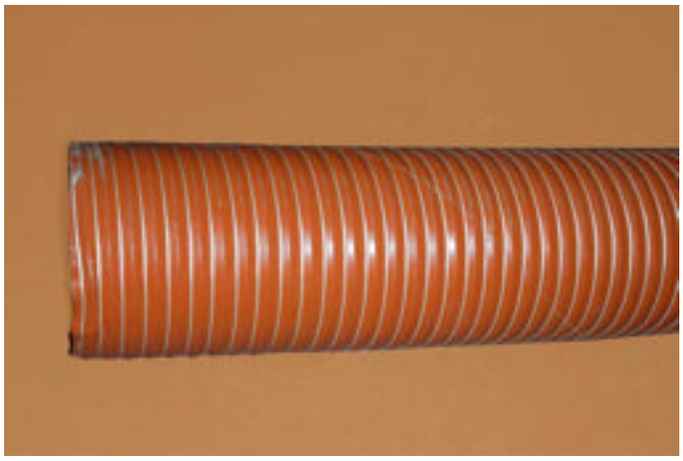
TEMPERATURE D'IMPIEGO:
Massima: -55 ÷ +176°C
D'esercizio: -10% del valore massimo.

PEZZATURE:
Manichette da 6 e 4 mt.

Ø int *Ø int* Ø int **(mm)**	**weight** *poids* peso **(gr/m)**	**maximum pressure** *pression max.* pressione massima **(kpa)**	**max. negative pressure** *dépression max.* depressione massima **(m H2O)**
25	150	205	5,170
32	160	205	5,170
38	225	170	4,285
45	260	170	4,285
50	290	170	4,285
57	285	150	3,800
64	360	135	3,400
70	430	135	3,400
76	465	135	3,400
82	485	115	2,900
89	520	115	2,900
95	560	103	2,585
102	605	103	2,585
114	750	90	2,270
127	865	68	2,175
140	950	50	1,700
152	1100	50	1,700
165	1200	45	1,020
178	1285	45	1,020
203	1430	30	0,680
254	1778	25	0,500
305	2285	20	0,350

SCAT





CONSTRUCTION:
A : continuous pre-stressed-steel coil coated with copper or bronze.
B : Impregnated glass-fibre fabric coated with self-extinguishing silicone.
C : Silicone-impregnated glass-fibre yarn.

APPLICATIONS:
Aspiration of medium to high temperature gases and fumes.
Aspiration of exhaust gases from internal combustion engines.
Ventilation of industrial ovens.
Aspiration of chemical and corrosive vapours and fumes.

TEMPERATURE RANGES:
Max : -86 ÷ +315°C
Working t.: -5%of max. value.

SIZING:
4 mt. sleeves

CONSTRUCTION:
A : Spirale continue en acier harmonique recouverte de cuivre ou de bronze.
B: Tissu en fibre de verre imprégné et revêtu de caoutchouc au néoprène auto extincteur.
C: Fil en fibre de verre imprégné de caoutchouc au néoprène.

UTILISATIONS:
Aspiration de gaz et de fumées à moyennes et à hautes températures.
Aspiration de gaz d'échappement de moteurs à explosion.
Ventilateur fours industriels.
Aspiration de vapeurs et de fumées de produits chimiques même corrosifs.

TEMPERATURES D'UTILISATION:
Maximum: de -86 à +315°C
D'exercice: -5% de la valeur maximale.

PIECES:
Manchons de 4 mt.

COSTRUZIONE:
A : spirale continua in acciaio armonico ricoperta di rame o di bronzo.
B : tessuto di fibra di vetro impregnato e rivestito di silicone autoestinguente.
C : filo di fibra di vetro impregnato di silicone.

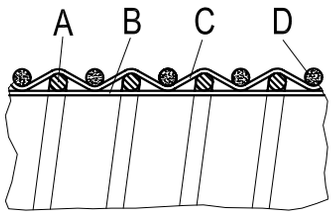
IMPIEGHI :
Aspirazione di gas e fumi a medie e alte temperature.
Aspirazione gas di scarico di motori a scoppio.
Ventilazione forni industriali.
Aspirazione vapori e fumi di prodotti chimici anche corrosivi.

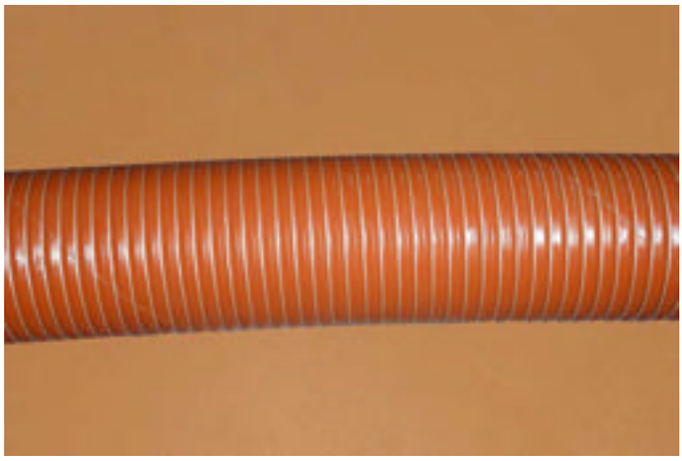
TEMPERATURE D'IMPIEGO :
Massima : -86 ÷ +315°C
D'esercizio : -5% del valore massimo.

PEZZATURE :
Manichette da 4 mt.

Ø int *Ø int* Ø int **(mm)**	**weight** *poids* peso **(gr/m)**	**maximum pressure** *pression max.* pressione massima **(kpa)**	**max. negative pressure** *dépression max.* depressione massima **(m H2O)**
19	114	250	5,170
25	150	135	5,170
32	173	135	5,170
38	205	120	4,700
45	270	120	4,700
50	330	120	4,285
57	365	103	4,280
60	384	103	4,280
64	410	103	4,280
70	490	103	3,600
76	555	103	3,400
82	574	96	2,950
89	623	96	2,900
95	665	96	2,900
102	740	85	2,050
114	912	85	2,585
127	1040	68	1,700
140	1120	68	1,500
152	1325	68	1,360
165	1400	50	1,150
178	1546	50	1,020
203	1765	50	0,680
254	2160	30	0,410
305	2590	25	0,270

SCEET





CONSTRUCTION:
A : continuous pre-stressed-steel coil coated with copper or bronze.
B-C : Impregnated glass-fibre fabric coated with self-extinguishing silicone.
D: Silicone-impregnated glass-fibre yarn.

APPLICATIONS:
Aspiration of medium to high temperature gases and fumes.
Aspiration of exhaust gases from internal combustion engines.
Ventilation of industrial ovens.
Aspiration of chemical and corrosive vapours and fumes.

TEMPERATURE RANGES:
Max : -86 ÷ +315°C
Working t.: -5%of max. value.

SIZING:
4 mt. sleeves
Max. negative pressure

CONSTRUCTION:
A: Spirale continue en acier harmonique recouverte de cuivre ou de bronze.
B-C: Tissu en fibre de verre imprégné et revêtu de caoutchouc au néoprène auto extincteur.
D: Fil en fibre de verre imprégné de caoutchouc au néoprène.

UTILISATIONS:
Aspiration de gaz et de fumées à moyennes et à hautes températures.
Aspiration de gaz d'échappement de moteurs à explosion.
Ventilateur fours industriels.
Aspiration de vapeurs et de fumées de produits chimiques même corrosifs.

TEMPERATURES D'UTILISATION:
Maximum: de -86 à +315°C
D'exercice: -5% de la valeur maximale.

PIECES:
Manchons de 4 m.

COSTRUZIONE:
A : spirale continua in acciaio armonico ricoperta di rame o di bronzo.
B-C : tessuto di fibra di vetro impregnato e rivestito di silicone autoestinguente.
D : filo di fibra di vetro impregnato di silicone.

IMPIEGHI:
Aspirazione di gas e fumi a medie e alte temperature.
Aspirazione gas di scarico di motori a scoppio.
Ventilazione forni industriali.
Aspirazione vapori e fumi di prodotti chimici anche corrosivi.

TEMPERATURE D'IMPIEGO:
Massima : -86 ÷ +315°C
D'esercizio : -5% del valore massimo.

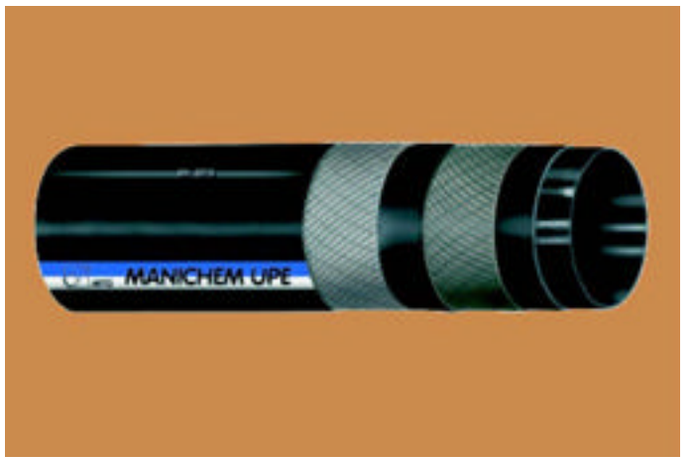
PEZZATURE:
Manichette da 4 mt.

Ø int *Ø int* Ø int **(mm)**	**weight** *poids* peso **(gr/m)**	**maximum pressure** *pression max.* pressione massima **(kpa)**	**max. negative pressure** *dépression max.* depressione massima **(m H2O)**
25	170	205	5,170
32	218	205	5,170
38	250	170	4,285
45	285	170	4,285
50	320	170	4,285
57	380	150	3,800
64	400	135	3,400
70	455	135	3,400
76	500	135	3,400
82	535	115	2,900
89	580	115	2,900
95	620	103	2,585
102	665	103	2,585
114	845	90	2,270
127	945	68	2,175
140	1050	50	1,700
152	1200	50	1,700
165	1280	45	1,020
178	1399	45	1,020
203	1595	30	0,680
254	1980	25	0,500
305	2380	20	0,350

Petrochemical, compliant to EN 12115

Produits pétroliers et chimiques aux normes EN 12115
Petrolchimica a norma EN 12115

MANICHEM/D-UPE



Made in Italy

APPLICATION
- **Universal hose to convey manifold chemical aggressive products.**
- **For delivery service.**
- **Meets the standards EN 12115.**

CONSTRUCTION
TUBE:
- **UPE (ultra High Molecular Weight Polyethylene), black, smooth, conductive.**
- **Resistance: according to the MTG Chemical Resistance 0hart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Copper wires upon demand.**

COVER:
- **EPDM rubber, black, smooth, antistatic ($R < 10^5\Omega$) , resistant to abrasion, ozone and weather, cloth finish.**

MARKING
- **Longitudinal blue-white stripe MTG MANICHEM UPE.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol: -Ω- Resistance $\leq 10^5$ Ohm.**

TEMPERATURE RANGE
- **From - 35°C up to +100°C.**
- **Resistant to steam up to +130°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure.**

APPLICATIONS
- *Tuyau à utilisation multiple pour refoulement d'une vaste gamme de produits chimiques agressifs.*
- *Exécution selon la normative EN12115.*

CONSTRUCTION
SOUS-COUCHE:
- *UPE (Polyéthylène à haute densité moléculaire), conducteur. Noir, lisse.*
- *Résistance : selon le Tableau des Résistances Chimique MTG.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Sur demande : fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc EPDM noir, antistatique (R < 10^5Ohm), résistant à l'abrasion, à l'ozone et aux agents atmosphériques, lisse, empreinte toile.*

MARCAGE:
- *Transfert longitudinal bleu/blanc MTG MANICHEM UPE.*
- *Longitudinal, en relief, aux normes EN12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE:
- *Symbole d'identification: -Ω- Résistance ≤ 10^5Ohm.*

TEMPERATURES:
- *De -35°C à +100°C.*
- *Résistance à la vapeur jusqu'à +130°C pendant un temps maximal de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

APPLICAZIONI
- Tubo multiuso per mandata di una vasta gamma di prodotti chimici aggressivi.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- UPE (Polietilene ad altissimo peso molecolare), conduttivo. Nero, liscio.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Su richiesta, cavetti di rame inseriti.

COPERTURA:
- Gomma EPDM nera, antistatica (R < 10^5Ohm), resistente all'abrasione, all'ozono e agli agenti atmosferici, liscia, impronta tela.

MARCATURA
- Transfer longitudinale blu/bianco MTG MANICHEM UPE.
- Longitudinale, in rilievo, a norma EN 12115.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: -Ω- Resistenza ≤ 10^5Ohm.

TEMPERATURE
- Da -35°C a +100°C.
- Resistenza al vapore fino a +130°C per un tempo massimo di 30 minuti.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	125	16	-0.50	0.51	40
25	6.0	150	16	-0.40	0.65	40
32	6.0	175	16	-0.40	0.85	40
38	6.5	225	16	-0.30	1.00	40
50	8.0	275	16	-0.30	1.70	40
63.5	8.0	300*	16	--	2.10	40
75	8.0	350*	16	--	2.35	40
100	8.0	450*	16	--	3.10	40

*** Bending radius at a working pressure of ≥1 bar.**
Other sizes available on request. Above technical data are based on application at room temperature (+20°C).
** Rayon de cintrage obtenu à une pression de ≥ 1 bar.*
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
* Raggio di curvatura ottenibile a una pressione ≥1 bar.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MANICHEM/SD-UPE

Made in Italy

APPLICATION
- **Universal hose to convey manifold chemical aggressive products.**
- **For suction and discharge service.**
- **Meets the standards EN 12115 and EN 50014/IEC 60079-0.**
- **Engineered to ensure the dissipation of electrostatic currents not only superficially, but also through the hose wall (Resistivity: < 10^5 Ohm).**

CONSTRUCTION
TUBE:
- **UPE (ultra High Molecular Weight Polyethylene), black, smooth, conductive.**
- **Resistance: according to the MTG Chemical Resistance Chart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Embedded steel helix wire.**
- **Copper wires upon demand.**

COVER:
- **EPDM rubber, black, smooth, antistatic (R < 10^5 Ohm), resistant to abrasion, ozone and weather, cloth finish.**

MARKING
- **Longitudinal blue-white stripe MTG MANICHEM UPE.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol: - Ohm - Resistance ≤ 10^5 Ohm.**

TEMPERATURE RANGE
- **From -35°C up to +100°C.**
- **Resistant to steam up to +130°C for a maximum time fo 30 minutes.**

SAFETY FACTOR
- **≥ 4 times working pressure up to ID 75 mm**
- **≥ 3 times working pressure up to ID 75 mm**

APPLICATIONS
- *Tuyau à utilisation multiple pour refoulement et aspiration d'une vaste gamme de produits chimiques agressifs.*
- *Exécution selon la normative EN 12115 et EN 50014/IEC 60079-0.*
- *Expressément développé pour garantir la dissipation des courants électrostatiques pas seulement superficiellement mais également à travers paroi (Résistivité: < 10^5 Ohm).*

CONSTRUCTION
SOUS-COUCHE:
- *UPE (Polyéthylène à haute densité moléculaire), conducteur. Noir, lisse.*
- *Résistance : selon le Tableau des Résistances Chimique MTG*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Sur demande : fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc EPDM noir, antistatique (R < 10^5 Ohm), résistant à l'abrasion, à l'ozone et aux agents atmosphériques, lisse, empreinte toile.*

MARCAGE:
- *Transfert longitudinal bleu/blanc MTG MANICHEM UPE.*
- *Longitudinal, en relief, aux normes EN 12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: - Ohm - Résistance ≤ 10^5 Ohm.*

TEMPERATURES
- *De -35°C à +100°C.*
- *Résistance à la vapeur jusqu'à +130°C pendant un temps maximal de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice jusqu'au DI 75 mm.*
- *≥ 3 fois la pression d'exercice outre le Di 75 mm.*

APPLICAZIONI
Tubo multiuso per mandata e aspirazione di una vasta gamma di prodotti chimici aggressivi.
Esecuzione secondo la normativa EN 12115 e EN 50014/IEC 60079-0.
Specificatamente sviluppato per garantire la dissipazione delle correnti elettrostatiche non solo superficialmente, ma anche attraverso parete (Resistività: < 10^5 Ohm).

COSTRUZIONE
SOTTOSTRATO:
- UPE (Polietilene ad altissimo peso molecolare), conduttivo. Nero, liscio.
- Resistenza: secondo la Tabella delle Resistenza chimiche MTG

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Su richiesta, cavetti di rame inseriti.

COPERTURA:
- Gomma EPDM nera, antistatica (R < 10^5 Ohm), resistente all'abrasione, all'ozono e agli agenti atmosferici, liscia, impronta tela.

MARCATURA
- Transfer longitudinale blu/bianco MTG MANICHEM UPE.
- Longitudinale, in rilievo, a norma EN 12115.

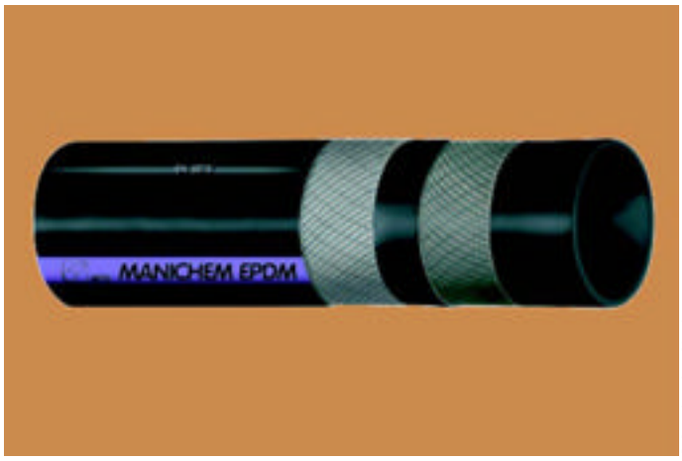
DISSIPAZIONE DELL'ELETTRICITA' STATICA
- Simbolo di identificazione: - Ohm - Resistenza ≤ 10^5 Ohm.

TEMPERATURE
- Da -35°C a +100°C.
- Resistenza al vapore fino a +130°C per un tempo massimo di 30 minuti.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio fino al DI 75 mm.
- ≥ 3 volte la pressione di esercizio olre il DI75 mm.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	125	16	-0.90	0.60	40
25	6.0	150	16	-0.90	0.75	40
32	6.0	175	16	-0.90	1.00	40
38	6.5	225	16	-0.90	1.30	40
50	8.0	275	16	-0.90	2.00	40
63.5	8.0	300	16	-0.90	2.70	40
75	8.0	350	16	-0.80	3.00	40
100	9.0	450	16	-0.80	4.90	40
125	10.5	1000	12	-0.80	6.90	20
150	12.0	1200	12	-0.80	9.10	20

MANICHEM/D-EPDM



Made in Italy

APPLICATION
- **Delivery hose for handling a variety of chemical products having a medium or low concentration.**
- **Meets the standards EN 12115.**

CONSTRUCTION
TUBE:
- **EPDM rubber, black, smooth, antistatic (R < $10^6\Omega$).**
- **Resistance: according to MTG Chemical Resistance Chart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Copper wires upon demand.**

COVER:
- **EPDM rubber, black, smooth, antistatic (R < $10^6\Omega$), resistant to abrasion, ozone and weather, cloth finish.**

MARKING
- **Longitudinal lilac stripe MTG MANICHEM EPDM.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol: -Ω- Resistance $\leq 10^6$Ohm.**

TEMPERATURE RANGE
- **From -35°C up to +100°C.**
- **Resistant to steam up to +130°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure.**

APPLICATIONS
- *Tuyau pour refoulement de différents produits chimiques à moyenne ou à basse concentration.*
- *Exécution selon la normative EN 12115.*

CONSTRUCTION
SOUS-COUCHE
- *Caoutchouc EPDM, antistatique (R < 10^6Ohm). Noir, lisse.*
- *Résistance : selon le Tableau des Résistances Chimique MTG.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Sur demande : fils en cuivre insérés*

REVETEMENT:
- *Caoutchouc EPDM noir, antistatique (R < 10^6Ohm), ésistant à l'abrasion, à l'ozone et aux agents atmosphériques, lisse, empreinte toile.*

MARCAGE
- *Transfert longitudinal viole MTG MANICHEM EPDM.*
- *Longitudinal, en relief, aux normes EN 12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: -Ω- Résistance ≤10^6Ohm.*

TEMPERATURES
- *De -35°C à +100°C.*
- *Résistance à la vapeur jusqu'à +130°C pendant un temps maximal de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice jusqu'au.*

APPLICAZIONI
- Tubo per mandata di vari prodotti chimici a media o bassa concentrazione.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- Gomma EPDM, antistatica (R < 10^6Ohm). Nero, liscio.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Su richiesta, cavetti di rame inseriti.

COPERTURA:
- Gomma EPDM nera, antistatica (R < 10^6Ohm), resistente all'abrasione, all'ozono e agli agenti atmosferici, liscia, impronta tela.

MARCATURA
- Transfer longitudinale lilla MTG MANICHEM EPDM.
- Longitudinale, in rilievo, a norma EN 12115.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: -Ω- Resistenza ≤10^6Ohm.

TEMPERATURE
- Da -35°C a +100°C.
- Resistenza al vapore fino a +130°C per un tempo massimo di 30 minuti.

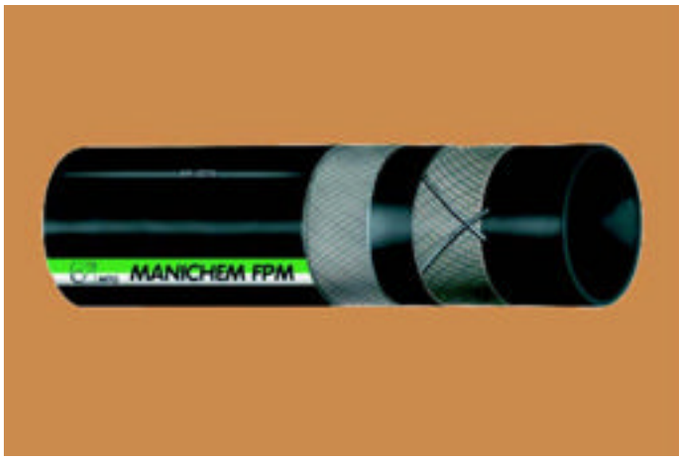
FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	125	16	-0.50	0.55	40
25	6.0	150	16	-0.40	0.65	40
32	6.0	175	16	-0.40	0.85	40
38	6.5	225	16	-0.30	1.00	40
50	8.0	275	16	-0.30	1.70	40
63.5	8.0	300*	16	--	2.00	40
75	8.0	350*	16	--	2.50	40
100	8.0	450*	16	--	3.20	40

*** Bending radius at a working pressure of ≥1 bar.**
Other sizes available on request. Above technical data are based on application at room temperature (+20°C).
** Rayon de cintrage obtenu à une pression de ≥ 1 bar.*
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
* Raggio di curvatura ottenibile a una pressione ≥1 bar.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MANICHEM/D-FPM



APPLICATION
- **Rubber hose suitable for delivery of very aggressive solvents and chemicals.**
- **Meets the standards EN 12115.**

CONSTRUCTION
TUBE:
- **FPM rubber, black, smooth.**
- **Resistance: according to the MTG Chemical Resistance Chart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Built-in copper wires.**

COVER:
- **CR rubber, black, smooth, antistatic, resistant to abrasion, ozone, weather and contact with mineral oils, cloth finish.**

MARKING
- **Longitudinal green-white stripe MTG MANICHEM FPM.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol: - M - Resistance $\leq 10^2$ Ohm.**

TEMPERATURE RANGE
- **From -15°C up to +80°C.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure.**

APPLICATIONS
- *Tuyau pour refoulement de produits chimiques et de solvants particulièrement agressifs.*
- *Exécution selon la normative EN 12115.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc FPM, antistatique. Noir, lisse.*
- *Résistance : selon le Tableau des Résistances Chimique MTG.*

RENFORTS :
- *Insertions textiles synthétiques, à haute résistance.*
- *Fils en cuivre insérés.*

REVETEMENT :
- *Caoutchouc CR noir, antistatique, résistant à l'abrasion, à l'ozone et aux agents atmosphériques et au contact avec des huiles minérales, lisse, empreinte toile.*

MARCAGE
- *Transfert longitudinal blanc/vert MTG MANICHEM FPM.*
- *Longitudinal, en relief, aux normes EN 12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: - M - Résistance $\leq 10^2$ Ohm.*

TEMPERATURES
- *De -15°C à +80°C.*

FACTEUR DE SECURITE
- *$\geq$ 4 fois la pression d'exercice jusqu'au.*

APPLICAZIONI
- Tubo per mandata di prodotti chimici e solventi particolarmente aggressivi.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- Gomma FPM. Nero, liscio.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma CR nera, antistatica, resistente all'abrasione, all'ozono e agli agenti atmosferici e al contatto con oli minerali, liscia, impronta tela.

MARCATURA
- Transfer longitudinale bianco/verde MTG MANICHEM FPM.
- Longitudinale, in rilievo, a norma EN 12115.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: - M - Resistenza $\leq 10^2$ Ohm.

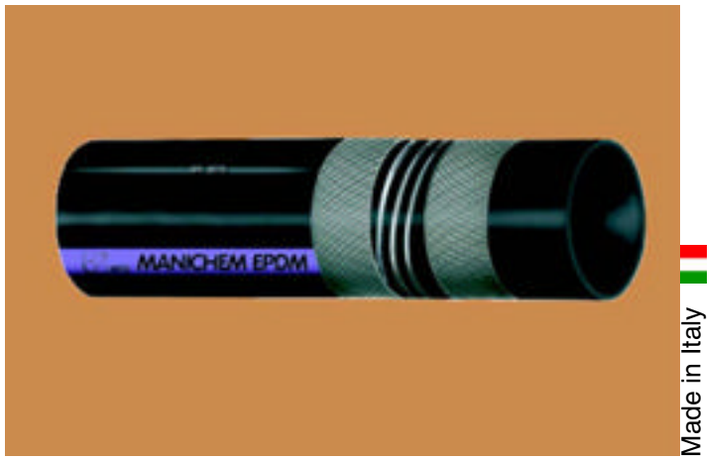
TEMPERATURE
- da -15°C a +80°C.

FATTORE DI SICUREZZA
- $\geq$ 4 volte la pressione di esercizio.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	125	16	-0.50	0.70	40
25	6.0	150	16	-0.40	0.90	40
32	6.0	175	16	-0.40	1.05	40
38	6.5	225	16	-0.30	1.30	40
50	8.0	275	16	-0.30	2.00	40
63.5	8.0	300*	16	--	2.50	40
75	8.0	350*	16	--	2.90	40
100	8.0	450*	16	--	3.70	40

*** Bending radius at a working pressure of ≥1 bar.**
Other sizes available on request. Above technical data are based on application at room temperature (+20°C).
** Rayon de cintrage obtenu à une pression de ≥ 1 bar.*
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
* Raggio di curvatura ottenibile a una pressione ≥1 bar.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MANICHEM/SD-EPDM



APPLICATION
- **Suction and delivery hose to convey chemical products having a medium or low concentration.**
- **Meets the standards EN 12115.**

CONSTRUCTION
TUBE:
- **EPDM rubber, black, smooth, antistatic (R < $10^6\Omega$).**
- **Resistance: according to MTG Chemical Resistance Chart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Embedded steel helix wire.**
- **Copper wires upon demand.**

COVER:
- **EPDM rubber, black, smooth, antistatic (R < $10^6\Omega$), resistant to abrasion, ozone and weather, cloth finish.**

MARKING
- **Longitudinal lilac stripe MTG MANICHEM EPDM.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol : - Ω - Resistance $\leq 10^6$Ohm.**

TEMPERATURE RANGE
- **From -35°C up to +100°C.**
- **Resistant to steam up to +130°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure up to ID 75 mm.**
- **$\geq$ 3 times working pressure above ID 75 mm.**

APPLICATIONS
- *Tuyau pour refoulement de différents produits chimiques à moyenne ou à basse concentration.*
- *Exécution selon la normative EN 12115.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc EPDM, antistatique (R < 10^6Ohm). Noir, lisse.*
- *Résistance : selon le Tableau des Résistances Chimique MTG.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Sur demande : fils en cuivre insérés.*

REVETEMENT :
- *Caoutchouc EPDM noir, antistatique (R < 10^6Ohm), résistant à l'abrasion, à l'ozone et aux agents atmosphériques, lisse, empreinte toile.*

MARCAGE
- *Transfert longitudinal violet MTG MANICHEM EPDM.*
- *Longitudinal, en relief, aux normes EN 12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: - Ω - Résistance ≤R < 10^6Ohm.*

TEMPERATURES
- *De -35°C à +100°C.*
- *Résistance à la vapeur jusqu'à +130°C pendant un temps maximal de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice jusqu'au DI 75 mm.*
- *≥ 3 fois la pression d'exercice outre le DI 75 mm.*

APPLICAZIONI
- Tubo per mandata e aspirazione di prodotti chimici a media o bassa concentrazione.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- Gomma EPDM, antistatica (R < 10^6Ohm). Nero, liscio.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Su richiesta, cavetti di rame inseriti.

COPERTURA:
- Gomma EPDM nera, antistatica (R < 10^6Ohm), resistente all'abrasione, all'ozono, agli agenti atmosferici, liscia, impronta tela.

MARCATURA
- Transfer longitudinale lilla MTG MANICHEM EPDM.
- Longitudinale, in rilievo, a norma EN 12115.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: - Ω - Resistenza ≤R < 10^6Ohm.

TEMPERATURE
- Da -35°C a +100°C.
- Resistenza al vapore fino a +130°C per un tempo massimo di 30 minuti.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio fino al DI 75 mm.
- ≥ 3 volte la pressione di esercizio oltre il DI 75 mm.

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	125	16	-0.90	0.65	40
25	6.0	150	16	-0.90	0.80	40
32	6.0	175	16	-0.90	1.00	40
38	6.5	225	16	-0.90	1.30	40
50	8.0	275	16	-0.90	1.80	40
63.5	8.0	300	16	-0.90	2.70	40
75	8.0	350	16	-0.80	3.00	40
100	9.0	450	16	-0.80	4.90	40

Other sizes available on request.
Above technical data are based on application at room temperature (+20 C).
D'autres dimensions sont disponibles sur demande.
Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta.
I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20 C).

MANICHEM/SD-FPM

APPLICATION
- **Rubber hose suitable for suction and delivery of very aggressive solvents and chemicals.**
- **Meets the standards EN 12115.**

CONSTRUCTION
TUBE:
- **FPM rubber, black, smooth.**
- **Resistance: according to the MTG Chemical Resistance Chart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wires.**

COVER:
- **CR rubber, black, smooth, antistatic, resistant to abrasion, ozone, weather and contact with mineral oils, cloth finish.**

MARKING
- **Longitudinal green-white stripe MTG MANICHEM FPM.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol: - M - Resistance $\leq 10^2$Ohm.**

TEMPERATURE RANGE
- **From -15°C up to +80°C.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure up to ID 50 mm.**
- **$\geq$ 3 times working pressure above ID 50 mm.**

APPLICATIONS
- *Tuyau pour aspiration et refoulement de produits chimiques et de solvants particulièrement agressifs.*
- *Exécution selon la normative EN 12115.*

CONSTRUCTION
SOUS-COUCHE
- *Caoutchouc FPM. Noir, lisse.*
- *Résistance : selon le Tableau des Résistances Chimique MTG.*

RENFORTS :
- Insertions textiles synthétiques, à haute résistance.
- Spirale en acier incorporée.
- Fils en cuivre insérés.

REVETEMENT:
- *Caoutchouc CR noir, antistatique, résistant à l'abrasion, à l'ozone et aux agents atmosphériques et au contact avec des huiles minérales, lisse, empreinte toile.*

MARCAGE
- *Transfert longitudinal blanc/vert MTG MANICHEM FPM.*
- *Longitudinal, en relief, aux normes EN 12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: - M -* Résistance $\leq 10^2$*Ohm.*

TEMPERATURES
- *De -15°C à +80°C.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice jusqu'au DI 50 mm.*
- *≥ 3 fois la pression d'exercice outre le DI 50 mm.*

APPLICAZIONI
- Tubo per aspirazione e mandata di prodotti chimici e solventi particolarmente aggressivi.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- Gomma FPM. Nero, liscio.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma CR nera, antistatica, resistente all'abrasione, all'ozono e agli agenti atmosferici e al contatto con oli minerali, liscia, impronta tela.

MARCATURA
- Transfer longitudinale bianco -verde MTG MANICHEM FPM.
- Longitudinale, in rilievo, a norma EN 12115.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: - M - Resistenza $\leq 10^2$Ohm.

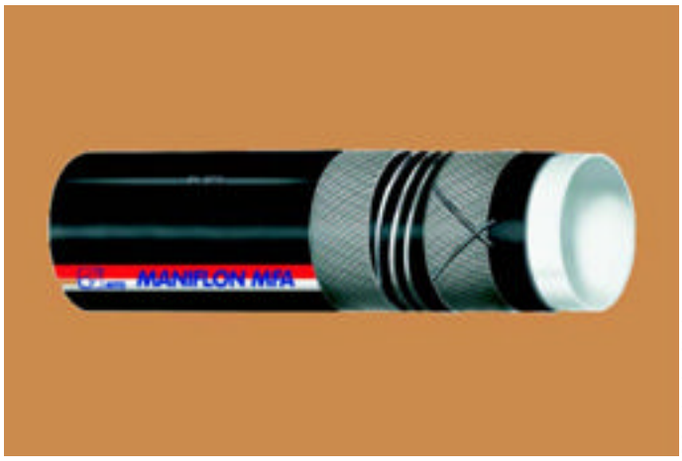
TEMPERATURE
- Da -15°C a +80°C.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio fino al DI 50 mm.
- ≥ 3 volte la pressione di esercizio oltre il DI 50 mm.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	125	16	-0,9	0.80	40
25	6.0	150	16	-0,9	0.95	40
32	6.0	175	16	-0,9	1.20	40
38	6.5	225	16	-0,9	1.60	40
50	8.0	275	16	-0,9	2.40	40
63.5	8.0	300	16	-0,9	3.00	40
75	8.0	350	16	-0,8	3.85	40
100	9.0	500	16	-0,8	5.70	40

Other sizes available on request. Above technical data are based on application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MANIFLON/SD-MFA



Made in Italy

APPLICATION
- **Universal suction and delivery hose capable of handling highly concentrated solvents and chemicals.**
- **Perfluoropolymer of the latest generation providing utmost resistance to oxidation, temperature and cracking produced by dynamic stress.**
- **Ultra smooth inner liner with a degree of impermeability superior to any other similar material.**
- **Meets the standards EN 12115.**

CONSTRUCTION
TUBE:
- **MFA (Perfluoralkoxy Polymer), fully fluorinated, white, mirror-like, smooth.**
- **Very high thermal endurance, stress-cracking resistance, bending and oxidation resistance.**
- **Material approved by US Pharmacopeia (USP 23 Class VI), USA Federal Drug and Cosmetic Act (FDA Title 21 P. 177.1550); complies with EU Directives 82/711 EEC; 85/572. EEC; 90/128 EEC, 92/39 EEC; 93/9 EEC; 95/3 EEC; 96/11 EEC.**
- **Resistance: according to the MTG Chemical Resistance Chart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wires.**

COVER:
- **EPDM rubber, black, smooth, conductive, resistant to abrasion, ozone and weather, cloth finish.**

MARKING
- **Longitudinal red-white-blue stripe MTG MANIFLON MFA.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol : - M - Resistance $\leq 10^2$Ohm.**

TEMPERATURE RANGE
- **From -50°C up to +170°C depending on conveyed media.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure up to ID 75 mm.**
- **$\geq$ 3 times working pressure above ID 75 mm.**

APPLICATIONS
- *Tuyau pour aspiration et refoulement de produits chimiques et de solvants à haute concentration.*
- *Matériau fluoruré de nouvelle génération permettant une résistance maximale à l'oxydation, aux températures extrêmes et à la formation de fêlures en conditions de sollicitations mécaniques.*
- *Sous-couche particulièrement lisse avec un degré d'imperméabilité supérieur à celui de tout autre matériau fluoruré.*
- *Exécution selon la normative EN 12115.*

CONSTRUCTION
SOUS-COUCHE:
- *MFA (Perfluoralkoxy Polymer), complètement fluoruré. Clair, spéculaire, lisse.*
- *Résistance thermique exceptionnelle aux sollicitations mécaniques, aux pliures et à l'oxydation.*
- *Matériau homologué USP 23 Classe VI, USA Federal Drug and Cosmetic Act (FDA 21 P. 177.1550), rrépondant aux Directives EU 82/711 EEC; 85/572. EEC; 90/128 EEC, 92/39 EEC; 93/9 EEC; 95/3 EEC; 96/11 EEC.*
- *Résistance : selon le Tableau des Résistances Chimique MTG.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc EPDM noir, conducteur, résistant à l'abrasion, à l'ozone et aux agents atmosphériques, lisse, empreinte toile.*

MARCAGE
- *Transfert longitudinal rouge/blanc/bleu MTG MANIFLON MFA.*
- *Longitudinal, en relief, aux normes EN 12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: - M - Résistance $\leq 10^2$Ohm.*

TEMPERATURES
- *De -50°C à +170°C en fonction des fluides acheminés.*

FACTEUR DE SECURITE
- *$\geq$ 4 fois la pression d'exercice jusqu'au DI 75 mm.*
- *$\geq$ 3 fois la pression d'exercice outre le DI 75 mm.*

APPLICAZIONI
- Tubo universale per aspirazione e mandata di prodotti chimici e solventi ad alta concentrazione.
- Materiali fluorurati di nuova generazione che permettono massima resistenza all'ossidazione, alle temperature estreme e alla formazione di cricche in condizioni di sollecitazione meccanica.
- Sottostrato particolarmente liscio con un grado di impermeabilità superiore a quello di qualsiasi altro materiale fluorurato.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- MFA (Perfluoralkoxy Polymer), completamente fluorinato. Chiaro, speculare, liscio.
- Eccezionale resistenza termica alle sollecitazioni meccaniche, ai piegamenti e all'ossidazione.
- Materiale omologato USP 23 Classe VI, USA Federal Drug and Cosmetic Act (FDA 21 P. 177.1550), rispondente alle Direttive EU 82/711 EEC; 85/572. EEC; 90/128 EEC, 92/39 EEC; 93/9 EEC; 95/3 EEC; 96/11 EEC.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma EPDM nera, conduttiva, resistente all'abrasione, all'ozono e agli agenti atmosferici, liscia, impronta tela.

MARCATURA
- Transfer longitudinale rosso/bianco/blu MTG MANIFLON MFA.
- Longitudinale, in rilievo, a norma EN 12115.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: - M - Resistenza $\leq 10^2$Ohm.

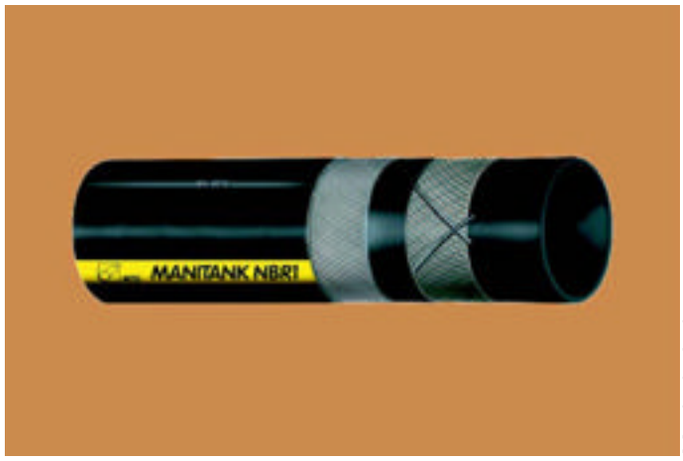
TEMPERATURE
Da -50°C a +170°C in funzione ai fluidi convogliati.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio fino al DI 75 mm.
- ≥ 3 volte la pressione di esercizio oltre il DI 75 mm.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
13	6.0	80	16	-0.90	0.60	20
19	6.5	115	16	-0.90	0.80	20
25	6.5	150	16	-0.90	0.95	20
32	6.5	190	16	-0.90	1.20	20
38	6.5	230	16	-0.90	1.50	20
51	7.5	300	16	-0.90	2.20	20
63.5	8.0	390	16	-0.90	3.00	20
76	8.5	500	16	-0.80	3.70	20
100	**On request** *Sur demande* Su richiesta					

Other sizes available on request.
Above technical data are based on application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande.
Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta.
I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MANITANK/D-NBR1



Made in Italy

APPLICATION
- **Delivery hose to convey hydrocarbons with an aromatic content up to max. 50%.**
- **Ideal for use on truck reels and for in-plant applications in the oil industry.**
- **Execution meeting EN 12115.**

CONSTRUCTION
TUBE:
- **NBR1 rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Crossed copper wires to ensure the dissipation of the static electricity.**

COVER:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm), resistant to abrasion, ozone, weather, fats and mineral oil, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **Embossed, longitudinal tape meeting EN 12115.**
- **MTG Manitank NBR1. Identification colour: yellow.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol - Ω - Resistance ≤ 10^6 Ohm meeting EN 12115.**

TEMPERATURE RANGE
- **From -35°C up to + 80°C.**
- **Peaks up to +110°C for a maximum of 30 minutes.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour refoulement d'hydrocarbures avec un contenu aromatique jusqu'à 50%.*
- *Particulièrement indiqué pour l'utilisation avec les enrouleurs de camions citerne et dans les installations fixes de l'industrie pétrolière.*
- *Exécution selon la normative EN 12115.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR1, antistatique (R < 10^6 Ohm). Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Fils en cuivre insérés pour assurer la dissipation de l'électricité statique.*

REVETEMENT :
- *Caoutchouc noir, antistatique (R < 10^6 Ohm), résistant à l'abrasion, à l'ozone et aux agents atmosphériques, aux graisses et aux huiles minérales, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *Longitudinal, en relief, aux normes EN 12115.*
- *Transfert "MTG MANITANK NBR1". Couleur indicative: jaune.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: - Ω - Résistance ≤10^6 Ohm, aux normes EN 12115.*

TEMPERATURES
- *De -35°C à +80°C.*
- *Pointes à +110°C pendant un maximum de 30 minutes.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per mandata di idrocarburi con un contenuto aromatico fino al 50%.
- Particolarmente indicato per l'impiego negli arrotolatori delle autocisterne e negli impianti fissi dell'industria petrolifera.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR1, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Cavetti di rame inseriti per assicurare la dissipazione dell'elettricità statica.

COPERTURA:
- Gomma NBR nera, antistatica (R < 10^6 Ohm), resistente all'abrasione, all'ozono, agli agenti atmosferici, ai grassi e agli oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- Longitudinale, in rilievo, a norma EN 12115.
- Transfer "MTG MANITANK NBR1". Colore identificativo: giallo.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: - Ω - Resistenza ≤10^6 Ohm, a norma EN 12115.

TEMPERATURE
- Da -35°C a +80°C.
- Punte a +110°C per un massimo di 30 minuti.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
13	6.0	70	16	-0.50	0.45	40
19	6.0	125	16	-0.50	0.60	40
25	6.0	150	16	-0.40	0.75	40
32	6.0	175	16	-0.30	0.90	40
38	6.5	225	16	-0.30	1.10	40
50	8.0	275	16	-0.30	1.80	40
63.5	8.0	300*	16	-	2.20	40
75	8.0	350*	16	-	2.50	40
100	8.0	450*	16	-	3.30	40

*** Bending radius at a minimum pressure of ≥ 1 bar.**
Other sizes available upon request. Above technical data are referring to application at room temperature (+20°C).
** Rayon de cintrage obtenu à une pression de ≥ 1 bar.*
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
* Raggio di curvatura ottenibile a una pressione ≥ 1 bar.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MANITANK/SD-NBR1

Made in Italy

APPLICATION
- **Suction and delivery hose to convey hydrocarbons with an aromatic content up to max. 50%.**
- **Ideal for use on tank trucks, rail tanks and inside processing plants in the oil industry.**
- **Execution meeting EN 12115.**

CONSTRUCTION
TUBE:
- **NBR1 rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**
- **Crossed copper wires to ensure the dissipation of the static electricity.**

COVER:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm), resistant to abrasion, ozone, weather, fats and mineral oils, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure up to ID 75 mm.**
- **≥ 3 times working pressure over ID 75 mm.**

MARKING
- **Embossed, longitudinal tape meeting EN 12115.**
- **MTG Manitank NBR1. Identification colour: yellow.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol - Ω - Resistance ≤ 10^6Ohm meeting EN 12115.**

TEMPERATURE RANGE
- **From -35°C up to +80°C.**
- **Peaks up to +110°C for a maximum of 30 minutes.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour aspiration et refoulement d'hydrocarbures avec un contenu aromatique jusqu'à 50%.*
- *Particulièrement indiqué pour l'utilisation sur camions citerne et dans les installations fixes de l'industrie pétrolière EN 12115.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR1, antistatique (R < 10^6 Ohm). Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Fils en cuivre insérés pour assurer la dissipation de l'électricité statique.*

REVETEMENT :
- *Caoutchouc NBR noir, antistatique (R < 10^6 Ohm), résistant à l'abrasion, à l'ozone et aux agents atmosphériques, aux graisses et aux huiles minérales, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice jusqu'au DI 75 mm.*
- *≥ 3 fois la pression d'exercice outre le DI 75 mm.*

MARCAGE
- *Longitudinal, en relief, aux normes EN 12115.*
- *Transfer t"MTG MANITANK NBR1". Couleur indicative : jaune.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: - Ω - Résistance ≤ 10^6Ohm, aux normes EN 12115.*

TEMPERATURES
- *De -35°C à +80°C.*
- *Pointes à +110°C pendant un maximum de 30 minutes.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per aspirazione e mandata di idrocarburi con un contenuto aromatico fino al 50%.
- Particolarmente indicato per l'impiego su auto-ferrocisterne e negli impianti fissi dell'industria petrolifera.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR1, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti per assicurare la dissipazione dell'elettricità statica.

COPERTURA:
- Gomma NBR nera, antistatica (R < 10^6 Ohm), resistente all'abrasione, all'ozono, agli agenti atmosferici, ai grassi e agli oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio fino al DI 75 mm.
- ≥ 3 volte la pressione di esercizio oltre il DI 75 mm.

MARCATURA
- Longitudinale, in rilievo, a norma EN 12115.
- Transfer "MTG MANITANK NBR1". Colore identificativo: giallo.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: - Ω - Resistenza ≤ 10^6Ohm, a norma EN 12115.

TEMPERATURE
- Da -35°C a +80°C.
- Punte a +110°C per un massimo di 30 minuti.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

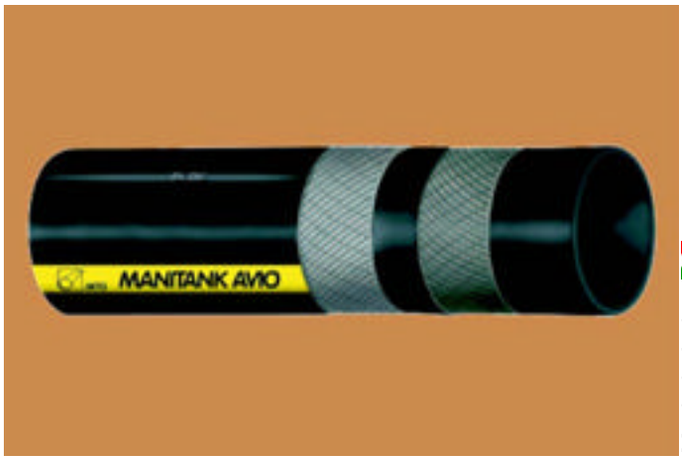
I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	100	16	-0.90	0.70	40
25	6.0	125	16	-0.90	0.85	40
32	6.0	160	16	-0.90	1.00	40
38	6.5	200	16	-0.90	1.35	40
50	8.0	250	16	-0.90	2.10	40
63.5	8.0	325	16	-0.90	2.80	40
75	8.0	375	16	-0.90	3.30	40
100	9.0	450	16	-0.90	4.70	40
125	10.0	700	12	-0.90	6.80	40
150	11.0	800	12	-0.90	9.20	40

Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

Discharge of oil products, compliant to EN

Déchargement de produits pétroliers aux normes EN
Scarico prodotti petroliferi a norma EN

MANITANK/D-AVIO



Made in Italy

APPLICATION
- **Delivery hose for aircraft refuelling.**
- **Specifically designed to convey kerosene and hydrocarbons with an aromatic content up to max. 50%.**
- **Suitable for use on tank truck reels.**
- **Execution meeting the Aviation Standards EN 1361.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, conductive.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Built-in copper wires exclusively in type B.**

COVER:
- **NBR rubber, black, smooth, conductive, self-extinguishing, resistant to abrasion and weather and to hydrocarbons contact, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **Embossed, longitudinal tape meeting EN 1361 (Type B and type C available).**
- **MTG MANITANK AVIO. Identification colour: yellow.**

ELECTRICAL PROPERTIES
- **Resistance: $10^3 < R < 10^6$ Ω**

TEMPERATURE RANGE
- **From -40°C up to + 100°C.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'approvisionnement des avions.*
- *Expressément projeté pour le refoulement de kérosène et d'hydrocarbures avec un contenu aromatique jusqu'à 50%.*
- *Adapté pour être enroulé sur les enrouleurs des camions citerne EN 1361.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, conducteur. Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Fils en cuivre insérés, exclusivement pour le type B.*

REVETEMENT:
- *Caoutchouc NBR noir, conducteur, auto extincteur résistant à l'abrasion, aux agents atmosphériques, aux graisses et au contact d'hydrocarbures, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *Longitudinal, en relief, aux normes EN 1361 (type B et type C disponibles).*
- *Transfert "MTG MANITANK AVIO". Couleur indicative : jaune.*

PROPRIETES ELECTRIQUES
- *Résistance: $10^3 < R < 10^6$ Ω*

TEMPERATURES
- *De -40°C à +100°C.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per il rifornimento di aeromobili.
- Specificamente progettato per mandata di kerosene e di idrocarburi con un contenuto aromatico fino al 50%.
- Adatto per essere avvolto sugli aspi delle autocisterne.
- Esecuzione secondo la normativa per il trasferimento di carburanti per aviazione EN 1361.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, conduttiva. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Cavetti di rame inseriti, esclusivamente per il tipo B.

COPERTURA:
- Gomma NBR nera, conduttiva, autoestinguente, resistente all'abrasione, agli agenti atmosferici e al contatto con idrocarburi, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- Longitudinale, in rilievo, a norma EN 1361 (Tipo B e tipo C disponibili).
- Transfer "MTG MANITANK AVIO". Colore identificativo: giallo.

PROPRIETÀ ELETTRICHE
- Resistenza: $10^3 < R < 10^6$ Ω

TEMPERATURE
- Da -40°C a +100°C.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**	**Min. diam. for reeling-up** *Diam. min. pour reeling-up* Diam. min. per reeling-up **(mm)**
19	6.0	100	20	-0.60	0.70	40	225
25	6.75	125	20	-0.50	0.90	40	300
32	7.0	140	20	-0.40	1.10	40	375
38	7.0	180	20	-0.30	1.30	40	450
50	7.50	215	20	-0.30	1.80	40	550
63.5	8.75	230	20	-0.15	2.70	40	600
75	9.25	230	20	-	3.30	40	600
100	11.0	345	20	-	4.50	40	900

Upon demand we can deliver fully fitted lengths complete with hydrostatic test certificate. For use at extremely low temperatures the special type MANITANK/D-AVIO/ARTIC is available.
Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
Sur demande, il peut être fourni en pièces d'utilisation avec des raccords sur les extrémités, complet de certificat de test hydrostatique.
Pour des utilisations à des températures particulièrement froides, la typologie MANITANK/D-AVIO/ARTIC est disponible.D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Su richiesta, può essere fornito in pezzature d'impiego con raccordi alle estremità, completo di certificato di collaudo idrostatico.
Per utilizzi a temperature particolarmente fredde, è disponibile la specifica tipologia: MANITANK/D-AVIO/ARTIC.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MANITANK/SD-AVIO

Made in Italy

APPLICATION
- **Suction and delivery hose for aircraft refuelling.**
- **Specifically designed to transfer kerosene and hydrocarbons with an aromatic content up to max. 50%.**
- **Execution meeting the Aviation Standards EN 1361.**

CONSTRUCTION
TUBE:
- **NBR rubber , black, smooth, conductive.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wires exclusively in type E.**

COVER:
- **NBR rubber, black, smooth, conductive, self-extinguishing, resistant to abrasion and weather and to hydrocarbons contact, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **Embossed, longitudinal tape meeting EN 1361 (Type E and F available).**
- **MTG MANITANK AVIO. Identification colour: yellow.**

ELECTRICAL PROPERTIES
- **Resistance: $10^3 < R < 10^6$ Ω**

TEMPERATURE RANGE
- **From -40°C up to +100°C.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'approvisionnement des avions.*
- *Expressément projeté pour le refoulement de kérosène et d'hydrocarbures avec un contenu aromatique jusqu'à 50%.*
- *Exécution selon la normative pour le transfert de carburants pour l'aviation EN 1361.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, conducteur. Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Fils en cuivre insérés, exclusivement pour le type E.*

REVETEMENT:
- *Caoutchouc NBR noir, conducteur, auto extincteur résistant à l'abrasion, aux agents atmosphériques, aux graisses et au contact d'hydrocarbures, lisse, empreinte toile.*

FACTEUR DE SECURITE
≥ 4 fois la pression d'exercice.

MARCAGE
- *Longitudinal, en relief, aux normes EN 1361 (Type E et type F disponibles).*
- *Transfert "MTG MANITANK AVIO". Couleur indicative: jaune.*

PROPRIETES ELECTRIQUES
- *Résistance: $10^3 < R < 10^6$ Ω*

TEMPERATURES
- *De -40°C à +100°C.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per il rifornimento di aeromobili.
- Specificamente progettato per mandata e aspirazione di kerosene e di idrocarburi con un contenuto aromatico fino al 50%.
- Esecuzione secondo la normativa per il trasferimento di carburanti per aviazione EN 1361.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, conduttiva. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti, esclusivamente per il tipo E.

COPERTURA:
- Gomma NBR nera, conduttiva, autoestinguente, resistente all'abrasione, agli agenti atmosferici e al contatto con idrocarburi, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- Longitudinale, in rilievo, a norma EN 1361 (Tipo E e tipo F disponibili).
- Transfer "MTG MANITANK AVIO". Colore identificativo: giallo.

PROPRIETÀ ELETTRICHE
- Resistenza: $10^3 < R < 10^6$ Ω

TEMPERATURE
- Da -40°C a +100°C.

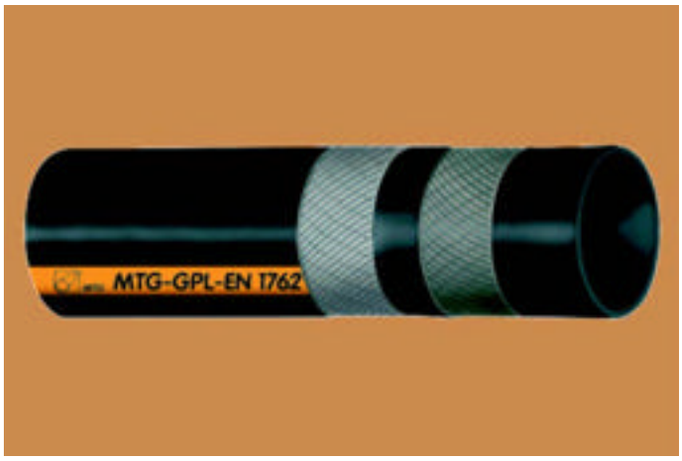
- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**	**Min. diam. for reeling-up** *Diam. min. pour reeling-up* Diam. min. per reeling-up **(mm)**
19	6.0	100	20	-0.90	0.80	40	225
25	6.75	125	20	-0.90	1.00	40	300
32	7.0	140	20	-0.90	1.35	40	375
38	7.0	180	20	-0.90	1.50	40	450
50	7.50	215	20	-0.90	2.20	40	550
63.5	9.0	250	20	-0.90	3.60	40	600
75	9.25	250	20	-0.80	4.50	40	600
102	10.0	350	20	-0.80	6.80	40	900

Upon demand we can deliver fully fitted lengths complete with hydrostatic test certificate.
Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
Sur demande, il peut être fourni en pièces d'utilisation avec des raccords sur les extrémités, complet de certificat de test hydrostatique.
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Su richiesta, può essere fornito in pezzature d'impiego con raccordi alle estremità, completo di certificato di collaudo idrostatico.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MTG/GPL/D-EN1762



APPLICATION
- **Delivery hose to convey liquefied petroleum gas (LPG).**
- **Normally reeled up on truck hose reels.**
- **Meets EN 1762/1997 and EN 559.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**

COVER:
- **Synthetic rubber, black, smooth, antistatic (R < 10^6 Ohm) self-extinguishing, resistant to abrasion, cloth finish. Pin-pricked surface.**
- **Fire resistance acc. to ASTM C 542.**

SAFETY FACTOR
- **≥ times working pressure.**

MARKING
- **Orange stripe MTG - GPL - EN 1762 - EN 559 - Type D - DN - PN 25 - Ω - Quarter/Year.**

TEMPERATURE RANGE
- **From -30°C up to +70°C.**
- **Peaks at +100°C depending on conveyed media.**

- **For information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'approvisionnement de GPL.*
- *Normalement utilisé sur les enrouleurs des camions citerne.*
- *Répondant aux normatives EN 1762/1997 et EN 559.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, conducteur (R < 10^6 Ohm). Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*

REVETEMENT:
- *Caoutchouc synthétique noir, antistatique (R < 10^6 Ohm), auto extincteur, résistant à l'abrasion, lisse, empreinte toile. Surface micro trouée.*
- *Résistant à la flamme, selon la normative ASTM C 542.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *Transfert orange: MTG - GPL - EN 1762 - EN 559 - Type D - DN - PN 25 - Ω - trimestre/an.*

TEMPERATURES
- *De -30°C à +70°C.*
- *Pointes à +100°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per mandata di GPL.
- Normalmente impiegato sugli aspi delle autocisterne.
- Rispondente alle normative EN 1762/1997 e EN 559.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.

COPERTURA:
- Gomma sintetica nera, antistatica (R < 10^6 Ohm), autoestinguente, resistente all'abrasione, liscia, impronta tela. Superficie microforata.
- Resistente alla fiamma, secondo la normativa ASTM C 542.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- Transfer arancione: MTG - GPL - EN 1762 - EN 559 - Type D - DN - PN 25 - Ω - trimestre/anno.

TEMPERATURE
- Da -30°C a +70°C.
- Punte a +100°C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
13	5.0	80	25	-	0.35	40
15	5.0	100	25	-	0.41	40
16	5.0	100	25	-	0.42	40
19	6.0	120	25	-	0.58	40
25	6.5	150	25	-	0.81	40
32	7.0	200	25	-	1.10	40
38	7.0	240	25	-	1.25	40
50	8.0	300	25	-	1.88	40
51	8.0	300	25	-	1.90	40

Other sizes available upon request.
Above technical data are referring to application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande.
Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta.
I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

PETROLIERA/SPL/10-RP

Made in Italy

APPLICATION
- **Bunkering hose suitable for mineral oils and fuels with an aromatic content up to max. 50%.**
- **Hose used for loading and unloading tanks, oil tankers, tank barges, lighters and for other light services within oil refineries.**
- **Meets UNI EN 1765 (former BS1435 Type S10).**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic ($R < 10^6$ Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wires.**

COVER:
- **CR rubber, black, smooth, antistatic ($R < 10^6$ Ohm), self-extinguishing, resistant to abrasion, ozone, sea water and weather as well as to contact with fats and mineral oils, cloth finish.**
- **Self-extinguishing cover acc. to standards ASTM C 542.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure.**

MARKING
- **MTG OIL TECH.**

TEMPERATURE RANGE
- **From -30°C up to +80°C.**
- **Peaks at max. +100°C.**

- **For information on the chemical resistance, please consult our resistance chart.**
- **This hose is exclusively delivered as a complete assembly with couplings and electrostatic connection between ends (on request available without electrostatic connection).**
- **Fittings: The hose tails are pressed-in in a special way in order to guarantee excellent retention and prevent fluid drip or fitting blow-off. The type of connection is to be agreed with our technical division.**

APPLICATIONS
- *Tuyau pour le soutage, approprié au passage d'huiles minérales et de carburants avec contenu aromatique jusqu'à 50%.*
- *Utilisé pour le chargement et le déchargement de réservoirs de stockage, pétroliers, péniches, porteurs et autres services légers de raffinerie.*
- *Conforme à la UNI EN 1765 (ex BS1435 Type S10).*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, antistatique (R < 10^6 Ohm). Noir, lisse.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc CR noir,antistatique (R < 10^6 Ohm), auto extincteur, résistant à l'abrasion, à l'ozone, à l'eau de mer, aux agents atmosphériques et au contact avec des graisses et des huiles minérales lisse, empreinte toile.*
- *Auto extincteur, selon la normative ASTM C 542.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG OIL TECH.*

TEMPERATURES
- *De -30°C à +80°C.*
- *Pointes à +100°C.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*
- *Exclusivement fourni en pièces d'utilisation avec continuité électrique entre les deux extrémités, complet de raccords terminaux. Sur demande, il est également fourni sans connexion électrostatique.*
- *Raccords: porte tuyau appliqué à travers un pressage particulier garantissant une étanchéité exceptionnelle contre les pertes et l'effilochage. Le type de raccords doit être concordé avec notre Bureau Technique.*

APPLICAZIONI
- Tubo per bunkeraggio, idoneo al passaggio di oli minerali e carburanti con contenuto aromatico fino al 50%.
- Utilizzato per carico e scarico da serbatoi di stoccaggio, petroliere, chiatte, bettoline e altri servizi leggeri di raffineria.
- Conforme alla UNI EN 1765 (ex BS 1435 Tipo S10).

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma CR nera, antistatica (R < 10^6 Ohm), autoestinguente, resistente all'abrasione, all'ozono, all'acqua di mare, agli agenti atmosferici e al contatto con grassi e oli minerali, liscia, impronta tela.
- Autoestinguente, secondo la normativa ASTM C 542.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- MTG OIL TECH.

TEMPERATURE
- Da -30°C a +80°C.
- Punte a +100°C.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.
- Fornito esclusivamente in pezzature d'impiego con continuità elettrica fra le due estremità, complete di raccordi terminali. Su richiesta fornito senza collegamento elettrostatico.
- Raccordatura: portagomma applicato mediante particolare pressatura che garantisce una tenuta eccezionale contro le perdite e lo sfilamento. Il tipo di raccordi deve essere concordato con il nostro Ufficio Tecnico.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
51	9.0	300	10	-0.90	2.60	40
63.5	9.0	400	10	-0.90	3.30	40
76	9.0	450	10	-0.90	3.80	40
102	11.0	600	10	-0.90	6.30	40
127	12.0	800	10	-0.90	9.50	20
152	14.5	900	10	-0.90	12.40	20
203	16.5	1500	10	-0.90	19.00	12
254	20.0	1800	10	-0.90	29.00	12

Other sizes are available upon request.
*** The weight indications do not include the fittings.**
Above technical data are referring to application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande.
** Le poids indiqué n'inclut pas les raccords.*
Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta.
* Il peso indicato non include i raccordi.
I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

PETROLIERA/SPL/15-RP

Made in Italy

APPLICATION
- **Bunkering hose suitable for mineral oils and fuels with an aromatic content up to max. 50%.**
- **Hose used for loading and unloading tanks, oil tankers, tank barges, lighters and for other heavy-duty services within oil refineries.**
- **Meets UNI EN 1765 (former BS1435 Type S15).**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic ($R < 10^6$ Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wires.**

COVER:
- **CR rubber, black, smooth, antistatic ($R < 10^6$ Ohm), self-extinguishing, resistant to abrasion, ozone, sea water and weather as well as to contact with fats and mineral oils, cloth finish.**
- **Self-extinguishing acc. to standards ASTM C 542.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure.**

MARKING
- **MTG OIL TECH.**

TEMPERATURE RANGE
- **From -30°C up to +80°C.**
- **Peaks at max. +100°C.**

- **For information on the chemical resistance, please consult our resistance chart.**
- **This hose is exclusively delivered as a complete assembly with couplings at both ends and electrostatic connection between ends (on request available without electrostatic connection).**
- **Fittings: The hose tails are applied by a special press-in system in order to guarantee excellent retention and prevent fluid drip or fitting blow-off. The type of connection is to be agreed with our technical division.**

APPLICATIONS
- *Tuyau pour le soutage, approprié au passage d'huiles minérales et de carburants avec contenu aromatique jusqu'à 50%.*
- *Utilisé pour le chargement et le déchargement de réservoirs de stockage, pétroliers, péniches, porteurs et autres services légers de raffinerie.*
- *Conforme à la UNI EN 1765 (ex BS1435 Type S15).*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, antistatique (R < 10^6 Ohm). Noir, lisse.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc CR noir, antistatique (R < 10^6 Ohm), auto extincteur, résistant à l'abrasion, à l'ozone, à l'eau de mer, aux agents atmosphériques et au contact avec des graisses et des huiles minérales lisse, empreinte toile.*
- *Auto extincteur, selon la normative ASTM C 542.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG OIL TECH.*

TEMPERATURES
- *De -30°C à +80°C.*
- *Pointes à +100°C.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*
- *Exclusivement fourni en pièces d'utilisation avec continuité électrique entre les deux extrémités, complet de raccords terminaux. Sur demande il est également fourni sans connexion électrostatique.*
- *Raccords : porte tuyau appliqué à travers un pressage particulier garantissant une étanchéité exceptionnelle contre les pertes et l'effilochage. Le type de raccords doit être concordé avec notre Bureau Technique.*

APPLICAZIONI
- Tubo per bunkeraggio, idoneo al passaggio di oli minerali e carburanti con contenuto aromatico fino al 50%.
- Utilizzato per carico e scarico da serbatoi di stoccaggio, petroliere, chiatte, bettoline e altri servizi gravosi di raffineria.
- Conforme alla UNI EN 1765 (ex BS1435 Tipo S15).

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma CR nera, antistatica (R < 10^6 Ohm), autoestinguente, resistente all'abrasione, all'ozono, all'acqua di mare, agli agenti atmosferici e al contatto con grassi e oli minerali, liscia, impronta tela.
- Autoestinguente, secondo la normativa ASTM C 542.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- MTG OIL TECH.

TEMPERATURE
- Da -30°C a +80°C.
- Punte a +100°C.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.
- Fornito esclusivamente in pezzature d'impiego con continuità elettrica fra le due estremità, complete di raccordi terminali. Su richiesta fornito senza collegamento elettrostatico.
- Raccordatura: portagomma applicato mediante particolare pressatura che garantisce una tenuta eccezionale contro le perdite e lo sfilamento. Il tipo di raccordi deve essere concordato con il nostro Ufficio Tecnico.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
51	9.5	300	15	-0.90	2.60	40
63.5	10.0	400	15	-0.90	3.60	40
76	11.0	450	15	-0.90	4.80	40
102	14.0	600	15	-0.90	8.90	40
127	15.0	800	15	-0.90	10.90	20
152	16.0	900	15	-0.90	13.50	20
203	20.0	1500	15	-0.90	24.00	12
254	20.0	1800	15	-0.90	31.00	12

Other sizes available upon request.
*** The weight indications do not include the fittings.**
Above technical data are referring to application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande.
Le poids indiqué n'inclut pas les raccords.
** Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.*
Altre dimensioni disponibili su richiesta.
* Il peso indicato non include i raccordi.
I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

TANK-TRUCKS/D-EN1761

Made in Italy

APPLICATION
- **Delivery hose to convey mineral oils and fuels with an aromatic content up to max. 60%.**
- **Specifically designed for long life service under heavy duty working conditions.**
- **Execution meeting the standards EN 1761.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded copper wires.**

COVER:
- **NBR, black, smooth, antistatic (R < 10^6 Ohm), self-extinguishing, resistant to abrasion, ozone, ageing and mineral oils, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG TANK TRUCKS EN 1761 - DN - PN 10 - Ω - quarter/year.**

TEMPERATURE RANGE
- **From -30°C up to +80°C.**
- **Peaks at max. +100°C depending on conveyed media.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour le refoulement d'huiles minérales et de carburants avec contenu aromatique jusqu'à 60%.*
- *Expressément projeté pour garantir une longue durée dans des utilisations lourdes.*
- *Exécution selon la normative EN 1761.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, antistatique (R < 10^6 Ohm). Noir, lisse.*

RENFORTS :
- *Textiles synthétiques, à haute résistance.*
- *Fils en cuivre insérés.*

REVETEMENT :
- *Caoutchouc NBR noir, antistatique (R < 10^6 Ohm), auto extincteur, résistant à l'abrasion, au vieillissement et aux huiles minérales, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG TANK TRUCKS EN 1761 - DN - PN 10 - Ω - trimestre/an.*

TEMPERATURES
- *De -30°C à +80°C.*
- *Pointes à +100°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per mandata di oli minerali e di carburanti con un contenuto aromatico fino al 60%.
- Appositamente progettato per garantire una lunga durata in impieghi gravosi.
- Esecuzione secondo la normativa EN 1761.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma NBR nera, antistatica (R < 10^6 Ohm), autoestinguente, resistente all'abrasione, all'ozono, all'invecchiamento e agli oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- MTG TANK TRUCKS EN 1761 - DN - PN 10 - Ω - trimestre/anno.

TEMPERATURE
- Da -30°C a +80°C.
- Punte a +100°C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	110	10	-0.50	0.59	40
25	6.0	150	10	-0.40	0.72	40
32	6.0	180	10	-0.30	0.90	40
38	6.5	240	10	-0.30	1.08	40
40	7.0	240	10	-0.30	1.20	40
50	8.0	275	10	-0.30	1.70	40
63.5	8.0	300*	10	-	2.12	40
75	8.0	350*	10	-	2.48	40
100	9.0	450*	10	-	3.70	40

*** The a.m. indications refer to a minimum pressure condition of ≥ 1 bar.**
Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
** Rayon de cintrage obtenu à une pression de ≥ 1 bar.*
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
* Raggio di curvatura ottenibile a una pressione ≥ 1 bar.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°°C).

TANK-TRUCKS/SD-EN1761

APPLICATION
- **Suction and delivery hose to convey mineral oils and fuels with an aromatic content up to max. 60%.**
- **Specifically designed for long life service under heavy duty working conditions.**
- **Execution meeting the standards EN 1761.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wires.**

COVER:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm), self-extinguishing, resistant to abrasion, ozone, ageing and mineral oils, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG TANK TRUCKS EN 1761 - DN - PN 10 - Ω - quarter/year.**

TEMPERATURE RANGE
- **From -30°C up to +80°C.**
- **Peaks at max. +100°C depending on conveyed media.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'aspiration ou le refoulement d'huiles minérales et de carburants avec contenu aromatique jusqu'à 60%.*
- *Expressément projeté pour garantir une longue durée dans des utilisations lourdes.*
- *Exécution selon la normative EN 1761.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, antistatique (R < 10^6 Ohm). Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée*
- *Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc NBR noir, antistatique (R < 10^6 Ohm), auto extincteur, résistant à l'abrasion, à l'ozone, au vieillissement et au contact avec des huiles minérales, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG TANK TRUCKS EN 1761 - DN - PN 10 - Ω - trimestre/an.*

TEMPERATURES
- *De -30°C à +80°C.*
- *Pointes à +100°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per aspirazione o mandata di oli minerali e carburanti con un contenuto aromatico fino al 60%.
- Appositamente progettato per garantire una lunga durata in impieghi gravosi.
- Esecuzione secondo la normativa EN 1761.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma NBR nera, antistatica (R < 10^6 Ohm), autoestinguente, resistente all'abrasione, all'ozono, all'invecchiamento e al contatto con oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- MTG TANK TRUCKS EN 1761 - DN - PN 10 - Ω - trimestre/anno.

TEMPERATURE
- Da -30°C a +80°C.
- Punte a +100°C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	80	10	-0.90	0.67	40
25	6.0	110	10	-0.90	0.80	40
32	6.0	150	10	-0.90	0.98	40
38	6.5	200	10	-0.90	1.30	40
50	8.0	250	10	-0.90	2.20	40
63.5	8.0	320	10	-0.90	3.00	40
75	8.0	380	10	-0.80	3.50	40
100	9.0	500	10	-0.80	5.40	40
125	10.0	750	10	-0.80	6.90	40
150	11.0	900	10	-0.80	9.60	40

Other sizes available upon request.
Above technical data are based on application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande.
Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta.
I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

Discharge of oil products ITALIAN LINE
Déchargement de produits pétroliers LIGNE ITALIENNE
Scarico prodotti petroliferi LINEA ITALIANA

AUTOCISTERNA/4-CLC

Made in Italy

APPLICATION
- **Suction and delivery hose designed to convey mineral oils and fuels with an aromatic content up to max. 50%.**
- **Extremely flexible and lightweight execution ideal for bending requiring small radia.**
- **Generally mounted on refuelling tank trucks or vehicles employed in canalization cleaning systems.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wire.**

COVER:
- **Synthetic rubber, black, semi-corrugated, resistant to abrasion, ozone, ageing, mineral oils and temporary contact with hydrocarbons, cloth finish.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

MARKING
- **MTG CARBURANTI FUEL.**

TEMPERATURE RANGE
- **From -30°C up to +80°C.**
- **Peaks at max. +120°C depending on conveyed media.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'aspiration ou le refoulement d'huiles minérales et de carburants avec contenu aromatique jusqu'à 50%.*
- *Structure extrêmement flexible et légère, idéale pour des utilisations demandant des rayons de cintrage réduits.*
- *Normalement fourni avec les camions citerne utilisés pour le ravitaillement ; il peut être utilisé sur des véhicules utilisés sur les systèmes de nettoyage des canalisations.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, antistatique ($R < 10^6$ Ohm). Noir, lisse.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée*
- *Fil en cuivre inséré.*

REVETEMENT:
- *Caoutchouc synthétique noir, résistant à l'abrasion, à l'ozone, au vieillissement, aux huiles minérales et au contact temporaire avec des hydrocarbures, semi ondulé, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

MARCAGE
- *MTG CARBURANTI FUEL.*

TEMPERATURES
- *De -30°C à +80°C.*
- *Pointes à +120°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per aspirazione o mandata di oli minerali e carburanti con un contenuto aromatico fino al 50%.
- Struttura estremamente flessibile e leggera ideale per impieghi che richiedono raggi di curvatura ridotti.
- Normalmente a corredo delle autocisterne impiegate per i rifornimenti; può essere inoltre impiegato su autoveicoli adibiti ai sistemi di pulizia delle canalizzazioni.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica ($R < 10^6$ Ohm). Nero, liscio.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetto di rame inserito.

COPERTURA:
- Gomma sintetica nera, resistente all'abrasione, all'ozono, all'invecchiamento, agli oli minerali e al temporaneo contatto con idrocarburi, semiondulata, impronta tela.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

MARCATURA
- MTG CARBURANTI FUEL.

TEMPERATURE
- Da -30°C a +80°C.
- Punte a +120°C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
32	5.5	110	4	-0.80	0.72	40
38	5.5	140	4	-0.80	0.89	40
51	5.5	200	4	-0.80	1.20	40
63.5	6.0	260	4	-0.80	1.67	40
76	6.5	300	4	-0.80	2.30	40
80	6.5	300	4	-0.80	2.37	40
90	7.5	360	4	-0.80	3.10	40
100	7.5	400	4	-0.80	3.40	40
102	7.5	400	4	-0.80	3.50	40

The wide corrugation of the outer surface allows an easy and safe mounting of the couplings.
Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
L'ondulation ample de la surface externe permet un raccord aisé et simple, sans l'application des manchons.
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
L'ampia ondulazione della superficie esterna permette una facile e sicura raccordatura, senza l'applicazione dei manicotti. Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

BITUME/SD/160

APPLICATION
- **Suction and delivery hose to convey bitumen and by-products and hot mineral oils.**

CONSTRUCTION
TUBE:
- **NBR-based rubber, black, smooth.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**

COVER:
- **Synthetic rubber, black, smooth, resistant to oil, abrasion, ozone and ageing, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG HOT TAR.**

TEMPERATURE RANGE
- **From -15°C up to +160°C (see pressure rating in the chart below).**

- **For information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'aspiration et le refoulement de produits bitumeux et huiles minérales chaudes.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc base NBR. Noir, lisse.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*

REVETEMENT:
- *Caoutchouc synthétique noir, résistant aux huiles, à l'abrasion, à l'ozone et au vieillissement, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG HOT TAR.*

TEMPERATURE
- *De -15°C à +160°C (voir indications de pression dans le tableau suivant).*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per mandata e aspirazione di prodotti bitumosi e oli minerali caldi.

COSTRUZIONE
SOTTOSTRATO:
- Gomma base NBR. Nero, liscio.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.

COPERTURA:
- Gomma sintetica nera, resistente agli oli, all'abrasione, all'ozono e all'invecchiamento, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- MTG HOT TAR.

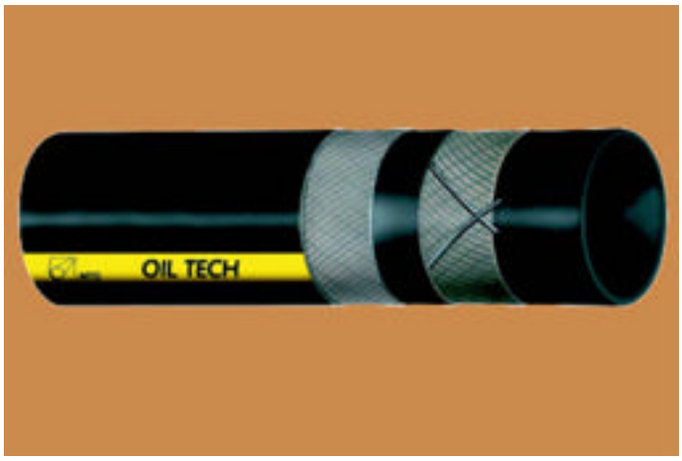
TEMPERATURE
- Da -15°C a +160°C (vedi indicazioni di pressione nella seguente tabella).

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **at 90 (bar)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **at 160 (bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
50	9.0	300	15	6	-0.90	2.40	40
75	10.0	450	15	6	-0.90	4.20	40
80	10.0	480	15	6	-0.90	4.40	40
100	10.5	600	15	6	-0.90	5.90	40

Other sizes available upon request. Above technical data are referring to application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

BUNKER-HOSE/15



APPLICATION
- **Delivery hose for discharge of mineral oils and hydrocarbons with an aromatic content up to max. 50%.**
- **Specifically designed for long life service.**
- **Normally used for service on docks, lighters, tanks and for other applications in the refinery industry.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded copper wires for the dissipation of the static electricity.**

COVER:
- **CR rubber, black, smooth, antistatic (R < 10^6 Ohm), resistant to abrasion, ozone, ageing and contact with mineral oils, cloth finish.**
- **Self-extinguishing according to ASTM C 542.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

MARKING
- **MTG OIL TECH.**

TEMPERATURE RANGE
- **From -40°C up to +100°C depending on conveyed media.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour le déchargement d'huiles minérales et d'hydrocarbures avec contenu aromatique jusqu'à 50%.*
- *Expressément projeté pour garantir une longue durée.*
- *Normalement utilisé pour le service à quai, sur les péniches, sur les réservoirs de stockage et pour d'autres applications dans les raffineries.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR. Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Fils en cuivre insérés pour assurer la dissipation de l'électricité statique.*

REVETEMENT:
- *Caoutchouc CR noir, antistatique (R < 10^6 Ohm), résistant à l'abrasion, à l'ozone, au vieillissement et au contact avec des huiles minérales, lisse, empreinte toile.*
- *Résistant an fen secon la norme ASTM C 542.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

MARCAGE
- *MTG OIL TECH.*

TEMPERATURES
- *De -40°C à +100°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per scarico di oli minerali e di idrocarburi con un contenuto aromatico fino al 50%.
- Appositamente progettato per garantire una lunga durata.
- Normalmente utilizzato per il servizio ai moli, alle chiatte, ai serbatoi di stoccaggio e per altre applicazioni nelle raffinerie.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Cavetti di rame inseriti per assicurare la dissipazione dell'elettricità statica.

COPERTURA:
- Gomma CR nera, antistatica (R < 10^6 Ohm), resistente all'abrasione, all'ozono, all'invecchiamento e al contatto con oli minerali, liscia, impronta tela.
- Autoestinguente secondo la normativa ASTM C 542.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

MARCATURA
- MTG OIL TECH.

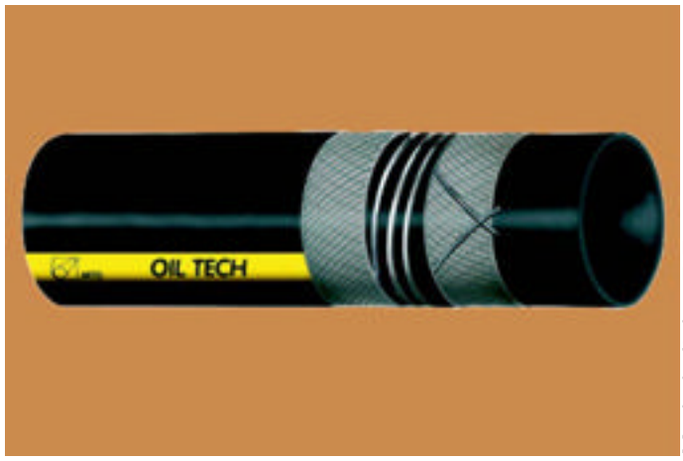
TEMPERATURE
- Da -40°C a +100°C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
51	8.0	280	15	-	2.02	40
63.5	8.0	300	15	-	2.41	40
76	8.0	350	15	-	2.90	40
102	9.0	450	15	-	4.40	40
127	9.0	650	15	-	4.90	40
152	9.0	800	15	-	5.80	40
203	11.0	1000	15	-	9.30	40
254	12.0	1500	15	-	12.80	20

Available upon demand type: BUNKER-HOSE acc. to EN 1765 (former BS:1435/87).
Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
Sur demande, la typologie BUNKER-HOSE en conformité aux normes EN 1765 (ex BS:1435/87).
D'autres dimensions sont disponibles sur demande.
Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Su richiesta, disponibile la tipologia BUNKER-HOSE a norma EN 1765 (ex BS:1435/87).
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

BUNKER-HOSE/L/15



Made in Italy

APPLICATION
- **Bunkering hose for suction and discharge of mineral oils and hydrocarbons with an aromatic content up to max. 50%.**
- **Specifically designed for long life service.**
- **Normally used for service on docks, lighters, tanks and for other applications in the refinery industry.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth.**

REINFORCEMENT:
- **High strength plies of synthetic cord and steel wire helix.**
- **Embedded copper wires for the dissipation of the static electricity.**

COVER:
- **CR rubber, black, smooth, antistatic (R < 10^6 Ohm), resistant to abrasion, ozone, ageing and contact with mineral oils, cloth finish.**
- **Self-extinguishing according to ASTM C 542.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

MARKING
- **MTG OIL TECH.**

TEMPERATURE RANGE
- **From -40°C up to +100°C depending on conveyed media.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour le chargement et le déchargement sous pression d'huiles minérales et d'hydrocarbures avec contenu aromatique jusqu'à 50%.*
- *Expressément projeté pour garantir une longue durée.*
- *Normalement utilisé pour le service à quai, sur les péniches, sur les réservoirs de stockage et pour d'autres applications dans les raffineries.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR. Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance et spirale en acier incorporée.*
- *Fils en cuivre insérés pour assurer la dissipation de l'électricité statique.*

REVETEMENT:
- *Caoutchouc CR noir,antistatique (R < 10^6 Ohm), résistant à l'abrasion, à l'ozone, au vieillissement et au contact avec des huiles minérales, lisse, empreinte toile.*
- *Résistant an fen secon la norme ASTM C 542.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

MARCAGE
- *MTG OIL TECH.*

TEMPERATURE
- *De -40°C à +100°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per carico e scarico in pressione di oli minerali e di idrocarburi con un contenuto aromatico fino al 50%.
- Appositamente progettato per garantire una lunga durata.
- Normalmente utilizzato per il servizio ai moli, alle chiatte, ai serbatoi di stoccaggio e per altre applicazioni nelle raffinerie.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza e spirale in acciaio incorporata.
- Cavetti di rame inseriti per assicurare la dissipazione dell'elettricità statica.

COPERTURA:
- Gomma CR nera, antistatica (R < 10^6 Ohm), resistente all'abrasione, all'ozono, all'invecchiamento e al contatto con oli minerali, liscia, impronta tela.
- Autoestinguente secondo la normativa ASTM C 542.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

MARCATURA
- MTG OIL TECH.

TEMPERATURE
- Da -40°C a +100°C in funzione ai fluidi convogliati.

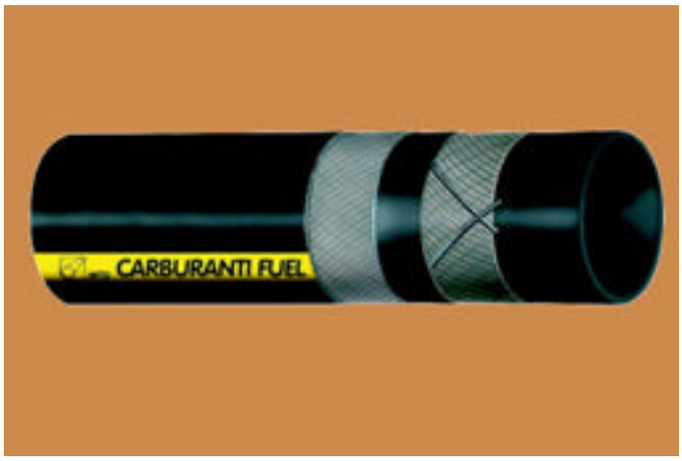
- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
51	7.0	300	15	-0.90	1.95	40
63.5	7.5	380	15	-0.90	2.80	40
76	8.0	450	15	-0.90	3.50	40
102	9.0	600	15	-0.90	5.60	40
127	11.0	800	15	-0.90	8.00	40
152	11.0	900	15	-0.80	9.80	40
203	13.5	1200	15	-0.80	17.50	12

Available upon demand type: BUNKER-HOSE acc. to EN 1765 (former BS: 1435/87).
Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
Sur demande, la typologie BUNKER-HOSE en conformité aux normes EN 1765 (ex BS: 1435/87).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Su richiesta, disponibile la tipologia BUNKER-HOSE a norma EN 1765 (ex BS: 1435/87).
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

CARBURANTI/10



Made in Italy

APPLICATION
- **Delivery hose to convey mineral oils and fuels with an aromatic content up to max. 50%.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded copper wires.**

COVER:
- **Synthetic rubber, black, smooth, resistant to abrasion, ozone, ageing and oils, cloth finish.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

MARKING
- **MTG CARBURANTI FUEL.**

TEMPERATURE RANGE
- **From -25°C up to +80°C.**
- **Peaks at max +100°C depending on conveyed media.**
- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour le refoulement d'huiles minérales et de carburants avec contenu aromatique jusqu'à 50%.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, antistatique (R < 10^6 Ohm). Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc synthétique noir, résistant à l'abrasion, à l'ozone, au vieillissement et aux huiles minérales, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

MARCAGE
- *MTG CARBURANTI FUEL.*

TEMPERATURES
- *De -25°C à +80°C.*
- *Pointes à +100°C en fonction des fluides acheminés.*
- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per mandata di oli minerali e di carburanti con un contenuto aromatico fino al 50%.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma sintetica nera, resistente all'abrasione, all'ozono, all'invecchiamento e agli oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

MARCATURA
- MTG CARBURANTI FUEL.

TEMPERATURE
- Da -25°C a +80°C.
- Punte a +100°C in funzione ai fluidi convogliati.
- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
15	4.0	90	10	-	0.30	40
19	4.0	120	10	-	0.37	40
25	5.0	150	10	-	0.55	40
30	5.0	210	10	-	0.67	40
32	5.0	210	10	-	0.71	40
32	6.0	210	10	-	0.85	40
35	5.0	250	10	-	0.73	40
35	6.5	250	10	-	1.02	40
38	5.0	300	10	-	0.79	40
38	7.0	280	10	-	1.21	40
40	5.0	300	10	-	0.82	40
40	7.0	280	10	-	1.24	40
45	5.0	360	10	-	0.91	40
45	7.0	320	10	-	1.38	40
50	5.0	450	10	-	1.05	40
50	7.0	350	10	-	1.50	40
60	6.0	480	10	-	1.41	40
60	8.0	480	10	-	2.02	40
63.5	8.0	510	10	-	2.12	40
70	8.0	480*	10	-	2.30	40
76	8.0	500*	10	-	2.50	40
80	8.0	530*	10	-	2.60	40
90	8.0	580*	10	-	2.90	40
100	8.0	650*	10	-	3.20	40
127	8.0	900*	10	-	4.00	40
152	8.0	1000*	10	-	4.80	40
203	8.0	1400*	10	-	6.40	20

*** Bending radius at a minimum pressure of ≥ 1 bar.**
Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
** Rayon de cintrage obtenu à une pression de ≥ 1 bar.*
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
* Raggio di curvatura ottenibile a una pressione ≥ 1 bar.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

CARBURANTI/20

APPLICATION
- **Delivery hose to convey mineral oils and fuels with an aromatic content up to max. 50%.**
- **Ideal for use on truck hose reels.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded copper wires.**

COVER:
- **Synthetic rubber, black, smooth, resistant to abrasion, ozone, ageing and oil, cloth finish.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

MARKING
- **MTG CARBURANTI FUEL.**

TEMPERATURE RANGE
- **From -25°C up to +80°C.**
- **Peaks at max. +100°C depending on conveyed media.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour refoulement d'huiles minérales et de carburants avec un contenu aromatique jusqu'à 50%.*
- *Idéale pour être enroulé sur les enrouleurs des camions citerne.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR1, antistatique (R < 10^6 Ohm). Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Fils en cuivre insérés.*

REVETEMENT:
- *aoutchouc synthétique noir, résistant à l'abrasion, à l'ozone, au vieillissement et aux huiles minérales, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

MARCAGE
- *MTG CARBURANTI FUEL.*

TEMPERATURES
- *De -25°C à +80°C.*
- *Pointes à +100°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per mandata di oli minerali e di carburanti con un contenuto aromatico fino al 50%.
- Ideale per essere avvolto sugli aspi delle autocisterne.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma sintetica nera, resistente all'abrasione, all'ozono, all'invecchiamento e agli oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

MARCATURA
- MTG CARBURANTI FUEL.

TEMPERATURE
- Da -25°C a +80°C.
- Punte a +100°C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
13	5.0	70	20	-0.50	0.35	40
15	5.0	85	20	-0.50	0.38	40
19	6.0	125	20	-0.50	0.57	40
25	6.5	150	20	-0.40	0.77	40
32	6.5	175	20	-0.30	0.93	40
38	7.0	240	20	-0.30	1.15	40
40	7.0	240	20	-0.30	1.20	40
45	7.0	270	20	-0.20	1.33	40
50	7.0	300	20	-0.20	1.50	40
60	8.0	360	20	-	2.00	40
63.5	8.0	390	20	-	2.08	40
70	8.0	420*	20	-	2.30	40
76	8.0	450*	20	-	2.50	40
80	8.0	480*	20	-	2.60	40
90	9.0	540*	20	-	3.30	40
100	9.0	600*	20	-	3.60	40

*** Bending radius at a minimum pressure of ≥ 1 bar.**
Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
** Rayon de cintrage obtenu à une pression de ≥ 1 bar.*
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
* Raggio di curvatura ottenibile a una pressione ≥ 1 bar.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

CARBURANTI/SPL/10

APPLICATION
- **Suction and delivery hose to convey mineral oils and fuels with an aromatic content up to max. 50%.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**

COVER:
- **Synthetic rubber, black, smooth, resistant to abrasion, weather and to contact with mineral oils, cloth finish.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

MARKING
- **MTG CARBURANTI FUEL.**

TEMPERATURE RANGE
- **From -25°C up to +80°C.**
- **Peaks at max. +100°C depending on conveyed media.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour aspiration ou refoulement d'huiles minérales et de carburants avec un contenu aromatique jusqu'à 50%.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, antistatique (R < 10^6 Ohm). Noir, lisse.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*

REVETEMENT:
- *Caoutchouc synthétique noir, résistant à l'abrasion, aux agents atmosphériques et au contact avec des huiles minérales, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

MARCAGE
- *MTG CARBURANTI FUEL.*

TEMPERATURES
- *De -25°C à +80°C.*
- *Pointes à +100°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per aspirazione o mandata di oli minerali e carburanti con un contenuto aromatico fino al 50%.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica (R < 10^6 Ohm). Nero, liscio.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.

COPERTURA:
- Gomma sintetica nera, resistente all'abrasione, agli agenti atmosferici e al contatto con oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

MARCATURA
- MTG CARBURANTI FUEL.

TEMPERATURE
- Da -25°C a +80°C.
- Punte a +100°C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	5.0	100	10	-0.90	0.53	40
25	5.0	125	10	-0.90	0.66	40
30	5.0	150	10	-0.90	0.77	40
32	5.0	160	10	-0.90	0.81	40
38	5.5	200	10	-0.90	1.14	40
40	5.5	200	10	-0.90	1.20	40
45	5.5	250	10	-0.90	1.32	40
51	5.5	300	10	-0.90	1.48	40
55	6.0	330	10	-0.90	1.80	40
60	6.5	330	10	-0.90	2.10	40
65	6.5	360	10	-0.90	2.20	40
70	6.5	380	10	-0.90	2.45	40
75	7.0	400	10	-0.90	2.80	40
80	7.0	430	10	-0.90	3.00	40
90	7.0	450	10	-0.90	3.50	40
100	7.0	500	10	-0.80	3.78	40
102	7.0	500	10	-0.80	3.84	40
110	8.0	600	10	-0.80	4.90	40
120	9.0	700	10	-0.80	6.20	40
125	9.0	750	10	-0.80	6.45	40
152	11.0	900	10	-0.80	8.80	40
203	12.5	1200	10	-0.80	15.20	12

Built-in copper wires upon demand. Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
Sur demande, des fils en cuivre sont insérés. D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Su richiesta, cavetti di rame inseriti. Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

CLEANER/BTW

Made in Italy

APPLICATION
- **Delivery hose to convey detergent solutions.**
- **Normally used for washing out tanks within the industrial, marine and portual sector (Butterworth system).**

CONSTRUCTION
TUBE:
- **EPDM rubber, black, smooth.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded copper wires.**

COVER:
- **CR-based rubber, black, smooth, resistant to abrasion, oils, ozone and weather, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG.**

TEMPERATURE RANGE
- **From -40°C up to +100°C.**
- **Peaks at +120°C depending on coneyed media.**

- **For further information on the chemical resistance, please consult our resistance chart.**
- **Supplied exclusively in fixed lengths with protruding copper wires at both ends for earthing.**

APPLICATIONS
- *Tuyau pour le refoulement de solutions détergentes.*
- *Normalement utilisé pour le lavage des réservoirs et des citernes dans le secteur industriel, naval et portuaire (système Butterworth).*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc EPDM. Noir, lisse.*

RENFORTS:
- *Insertions synthétiques, à haute résistance.*
- *Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc base CR noir, résistant à l'abrasion, aux huiles, à l'ozone et aux agents atmosphériques, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG.*

TEMPERATURES
- *De -40°C à +100°C.*
- *Pointes à +120°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*
- *Fourni uniquement en pièces d'utilisation avec des fils en cuivre dépassant des extrémités pour la connexion à la terre.*

APPLICAZIONI
- Tubo per mandata di soluzioni detergenti.
- Normalmente utilizzato per il lavaggio di serbatoi e cisterne nel settore industriale, navale e portuale (sistema Butterworth).

COSTRUZIONE
SOTTOSTRATO:
- Gomma EPDM. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma base CR nera, resistente all'abrasione, agli oli, all'ozono e agli agenti atmosferici, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
o MTG.

TEMPERATURE
- Da -40°C a +100°C.
- Punte a +120°C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.
- Fornito esclusivamente in pezzature d'impiego con cavetti di rame sporgenti alle estremità per il collegamento a massa.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
38	8.0	230	15	-	1.50	40
45	8.5	270	15	-	1.80	40
51	8.5	300	15	-	1.98	40

Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

DRENAGGIO/3498-Rac.

APPLICATION
- **Rubber hose specifically designed to collect water from the floating roofs of the oil tanks.**
- **Used completely immersed in mineral oils and hydrocarbons with an aromatic content up to 100%.**

CONSTRUCTION
TUBE:
- **CR-based rubber, black, smooth.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wires.**

COVER:
- **FPM rubber, black, smooth, resistant to hydrocarbons with an aromatic content up to 100%, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG.**

TEMPERATURE RANGE
- **From -30°C up to +80°C.**

- **Hose type exclusively delivered in fixed lengths complete with fittings (assembly). The ends are electrically bonded.**
- **Fittings: hose tail built-in by means of vulcanisation.**

APPLICATIONS
- *Tuyau expressément projeté pour le recueil des eaux des toits flottants des réservoirs de stockage.*
- *Utilisé complètement immergé dans des huiles minérales ou d'hydrocarbures avec un contenu aromatique jusqu'à 100%.*

CONSTRUCTION
SOUS-CONCHE:
- *Caoutchouc base CR. Noir, lisse.*

RENFORTS:
Textiles synthétiques, à haute résistance.
Spirale en acier incorporée.
Fils en cuivre insérés.

REVETEMENT:
Caoutchouc FPM noir, résistant aux hydrocarbures avec un contenu aromatique jusqu'à 100%, lisse, empreinte toile.

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG.*

TEMPERATURES
- *De -30°C à +80°C.*

- *Fourni uniquement en pièces d'utilisation avec continuité électrique entre les deux extrémités, complet de raccords terminaux.*
- *Raccords : porte tuyau appliqué à travers vulcanisation.*

APPLICAZIONI
- Tubo appositamente progettato per la raccolta di acqua dai tetti galleggianti dei serbatoi di stoccaggio.
- Impiegato completamente immerso in oli minerali o idrocarburi con un contenuto aromatico fino al 100%.

COSTRUZIONE
SOTTOSTRATO:
- Gomma base CR. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma FPM nera, resistente agli idrocarburi con un contenuto aromatico fino al 100%, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- MTG.

TEMPERATURE
- Da -30°C a +80°C.

- Fornito esclusivamente in pezzature d'impiego con continuità elettrica fra le due estremità, complete di raccordi terminali.
- Raccordatura: portagomma applicato mediante vulcanizzazione.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
51	10.0	300	5	-0.90	3.40	40
65	10.0	380	5	-0.90	4.30	40
76	10.0	450	5	-0.90	5.10	40
102	11.5	600	5	-0.90	7.80	40
127	13.0	750	5	-0.90	10.80	40
152	13.0	900	5	-0.90	13.00	40

Other sizes available upon request. Above technical data are referring to application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

DRENAGGIO/8272/RP

Made in Italy

APPLICATION
- **Rubber hose specifically designed to collect water from the floating roofs of oil tanks.**
- **Used completely immersed in mineral oils and hydrocarbons with an aromatic content not exceeding 60%.**

CONSTRUCTION
TUBE:
- **Synthetic rubber, black, smooth, oil resistant.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wires.**

COVER:
- **Synthetic rubber, black, smooth, resistant to hydrocarbons with an aromatic content not exceeding 60%, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG.**

TEMPERATURE RANGE
- **From -15°C up to +50°C.**
- **Peaks at max. +80°C depending on conveyed media.**

- **This hose type is exclusively delivered in fixed lengths assembled with fittings. The ends are electrically bonded (upon demand non-electrically bonded).**
- **Fittings: the hose tail is pressed in.**

APPLICATIONS
- *Tuyau expressément projeté pour le recueil des eaux des toits flottants des réservoirs de stockage.*
- *Utilisé complètement immergé dans des huiles minérales ou d'hydrocarbures avec un contenu aromatique inférieur à 60%.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc synthétique anti-huile. Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc synthétique noir, résistant aux hydrocarbures avec un contenu aromatique inférieur ou égal à 60%, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG.*

TEMPERATURES
- *De -15 C à +50 C.*
- *Pointes à +80 C en fonction des fluides acheminés.*

- *Fourni uniquement en pièces d'utilisation avec continuité électrique entre les deux extrémités, complet de raccords terminaux (sur demande de discontinu).*
- *Raccords : porte tuyau appliqué à travers pressage.*

APPLICAZIONI
Tubo appositamente progettato per la raccolta di acqua dai tetti galleggianti dei serbatoi di stoccaggio.
- Impiegato completamente immerso in oli minerali o idrocarburi con un contenuto aromatico pari o inferiore al 60%.

COSTRUZIONE
SOTTOSTRATO:
- Gomma sintetica anti olio. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma sintetica nera, resistente agli idrocarburi con un contenuto aromatico pari o inferiore al 60%, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- MTG.

TEMPERATURE
- Da -15 C a +50 C.
- Punte a +80 C in funzione ai liquidi convogliati.

- Fornito esclusivamente in pezzature d'impiego con continuità elettrica fra le due estremità, complete di raccordi terminali (su richiesta discontinuo).
- Raccordatura: portagomma applicato mediante pressatura.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
51	10.0	300	5	-0.90	2.80	40
63.5	10.0	380	5	-0.90	3.50	40
76	10.0	450	5	-0.90	4.20	40
102	10.5	600	5	-0.90	6.70	40
127	12.5	750	5	-0.90	9.00	40
152	12.5	900	5	-0.90	10.90	40

Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MTG/CARBUFLAT

APPLICATION
- **Collapsible hose for delivery duties of hydrocarbons with an aromatic content up to max. 50%.**
- **Normally used to discharge hydrocarbons and mineral oils.**

CONSTRUCTION
TUBE:
- **NBR rubber, black, smooth, antistatic (R < 10^6 Ohm).**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded copper wires.**

COVER:
- **Synthetic rubber, black, smooth, antistatic (R < 10^6 Ohm), resistant to abrasion, ozone, ageing and oils, cloth finish.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

MARKING
- **MTG CARBURANTI FUEL.**

TEMPERATURE RANGE
From -25°C up to +80°C.
Peaks at max. +100°C depending on conveyed media.

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau aplatissable pour refoulement d'hydrocarbures avec un contenu aromatique inférieur à 50%.*
- *Normalement utilisé pour le déchargement de carburants et d'huiles minérales.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NBR, antistatique (R < 106 Ohm). Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc NBR, antistatique (R < 106 Ohm), résistant à l'abrasion, à l'ozone, au vieillissement et aux huiles minérales, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

MARCAGE
- *MTG CARBURANTI FUEL.*

TEMPERATURES
- *De -25°C à +80°C.*
- *Pointes à +100°C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo appiattibile per mandata di idrocarburi con un contenuto aromatico fino al 50%.
- Normalmente utilizzato per lo scarico di carburanti e oli minerali.

COSTRUZIONE
SOTTOSTRATO:
- Gomma NBR, antistatica (R < 106 Ohm). Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma sintetica nera, antistatica (R < 106 Ohm), resistente all'abrasione, all'ozono, all'invecchiamento e agli oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

MARCATURA
- MTG CARBURANTI FUEL.

TEMPERATURE
- Da -25°C a +80°C.
- Punte a +100°C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
38	5.0	240	15	-	0.83	40
51	5.0	300	12	-	1.08	40
63.5	5.0	400	10	-	1.31	40
76	5.0	480	8	-	1.55	40
80	5.0	480	8	-	1.62	40
102	6.5	600	8	-	2.56	40
127	6.5	750	6	-	3.20	40
152	6.5	900	6	-	3.80	40
203	7.0	1200	6	-	5.30	20
254	7.0	1500	5	-	6.60	20

*** Bending radius at a minimum pressure of ≥ 1 bar at +20°C.**
Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
** Rayon de cintrage obtenu à une pression de ≥ 1 bar à +20°C.*
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
* Raggio di curvatura ottenibile a una pressione ≥ 1 bar a +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

SAESPIR/R4

Made in Italy

APPLICATION
- **Suction and delivery hose to convey mineral oils and fats.**
- **Normally used in hydraulic systems.**

CONSTRUCTION
TUBE:
- **NBR based rubber, black, smooth.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**

COVER:
- **Synthetic rubber, black, smooth, resistant to abrasion, ozone and ageing, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **Embossed tape "SAE 100 R4".**

TEMPERATURE RANGE
- **From -30°C up to +100°C.**
- **Peaks at max. +120°C depending on conveyed media.**

- **For information on the chemical resistance, please consult our resistance chart.**
- **Hose structure according to standards SAE 100 R4.**

APPLICATIONS
- *Tuyau pour aspiration ou refoulement de graisses et d'huiles minérales.*
- *Normalement utilisé dans les systèmes hydrauliques.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc base NBR, antistatique. Noir, lisse.*

RENFORTS:
- *Textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*

REVETEMENT:
- *Caoutchouc synthétique noir, résistant à l'abrasion, à l'ozone et au vieillissement, lisse, empreinte toile.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *En relief "SAE 100 R4".*

TEMPERATURES
- *De -30 C à +100 C.*
- *Pointes à +120 C en fonction des fluides acheminés.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*
- *Structure répondant aux conditions requises de la normative SAE 100 R4.*

APPLICAZIONI
- Tubo per aspirazione o mandata di grassi e oli minerali.
- Normalmente impiegato nei sistemi idraulici.

COSTRUZIONE
SOTTOSTRATO:
- Gomma base NBR. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Spirale in acciaio incorporata.

COPERTURA:
- Gomma sintetica nera, resistente all'abrasione, all'ozono e all'invecchiamento, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- In rilievo "SAE 100 R4".

TEMPERATURE
- Da -30 C a +100 C.
- Punte a +120 C in funzione ai fluidi convogliati.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.
- Struttura rispondente ai requisiti della normativa SAE 100 R4.

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	5.0	100	20	-0.80	0.67	40
25	5.0	130	17	-0.80	0.83	40
30	5.5	150	15	-0.80	1.02	40
32	5.5	150	14	-0.80	1.08	40
35	5.5	210	14	-0.80	1.19	40
38	6.0	230	10	-0.80	1.28	40
45	6.0	270	9	-0.80	1.48	40
51	6.0	310	7	-0.80	1.74	40
60	6.0	360	5	-0.80	2.04	40
63.5	6.5	380	5	-0.80	2.48	40
76	7.0	460	4	-0.80	3.20	40
80	7.0	480	4	-0.80	3.36	40
90	7.0	540	4	-0.80	3.86	40
102	7.5	610	4	-0.80	4.62	40

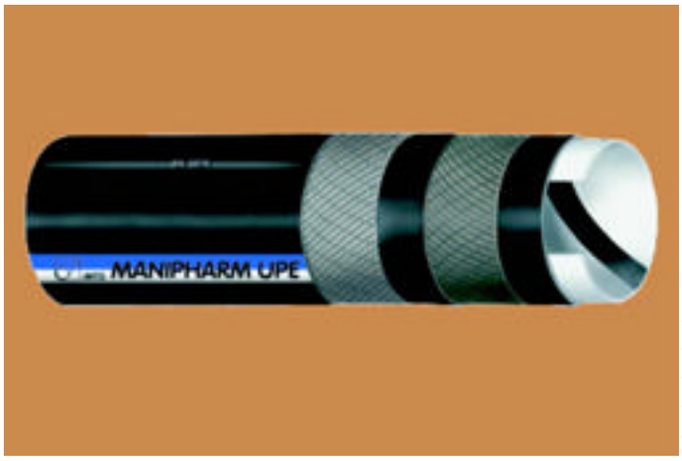
Other sizes available upon request. Above technical data are referring to application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

Transfer of chemical and pharmaceutical products

Transvasement de produits Chimiques Pharmaceutiques

Travaso di prodotti Chimici Famaceutici

MANIPHARM/D-UPE



APPLICATION

- **Versatile delivery hose to convey a broad range of pharmaceutical, chemical and alimentary products.**
- **Meets the standards EN 12115.**

CONSTRUCTION

TUBE:

- **UPE (ultra High Molecular Weight Polyethylene), clear colour, smooth, conductive through a black UPE helix stripe.**
- **Inner liner approved by BgVV and conforming to FDA standards as well as to the M.D. 21.03.73 and following amendments.**
- **Resistance: according to the MTG Chemical Resistance Chart.**

REINFORCEMENT:

- **Plies of high strength synthetic cord.**
- **Copper wires upon demand.**

COVER:

- **EPDM rubber, black, smooth, antistatic ($R < 10^6\ \Omega$), resistant to abrasion, ozone and weather, cloth finish.**

MARKING

- **Longitudinal blue-white stripe MTG MANIPHARM UPE.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY

- **Identification symbol : - Ω - Resistance $\leq 10^6$ Ohm.**

TEMPERATURE RANGE

- **From -35°C up to +100°C.**
- **Resistant to steam up to +130°C for a maximum time of 30 minutes.**

SAFETY FACTOR

- **$\geq$ 4 times working pressure.**

APPLICATIONS
- *Tuyau polyvalent pour une vaste gamme de produits pharmaceutiques, chimiques et alimentaires.*
- *Exécution selon la normative EN 12115.*

CONSTRUCTION
SOUS-COUCHE:
- *UPE (Polyéthylène à très haute densité moléculaire), couleur claire, avec bande noire hélicoïdale conductrice. Lisse.*
- *Homologué BgVV, répondant au FDA et au D.M. 21.03.73 et modifications successives.*
- *Résistance : selon le Tableau des Résistances Chimique MTG.*

RENFORTS :
- *Insertions textiles synthétiques, à haute résistance.*
- *Sur demande : fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc EPDM noir, antistatique (R < 10^6 Ohm), résistant à l'abrasion, à l'ozone et aux agents atmosphériques, lisse, empreinte toile.*

MARCAGE
- *Transfert longitudinal bleu/blanc MTG MANIPHARM UPE.*
- *Longitudinale, in rilievo, a norma EN 12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Longitudinal, en relief, aux normes: - Ω - Résistance ≤ 10^6 Ohm.*

TEMPERATURES
- *De -35°C à +100°C.*
- *Résistance à la vapeur jusqu'à +130°C pendant un temps maximal de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

APPLICAZIONI
- Tubo polivalente per mandata di una vasta gamma di prodotti farmaceutici, chimici e alimentari.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- UPE (Polietilene ad altissimo peso molecolare), colore chiaro, con banda nera elicoidale conduttiva. Liscio.
- Omologato BgVV, rispondente al FDA e al D.M. 21.03.73 e successive modifiche.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Su richiesta, cavetti di rame inseriti.

COPERTURA:
- Gomma EPDM nera, antistatica (R < 10^6 Ohm), resistente all'abrasione, all'ozono e agli agenti atmosferici, liscia, impronta tela.

MARCATURA
- Transfer longitudinale blu/bianco MTG MANIPHARM UPE.
- Longitudinale, in rilievo, a norma EN 12115.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: - Ω - Resistenza ≤ 10^6 Ohm.

TEMPERATURE
- Da -35°C a +100°C.
- Resistenza al vapore fino a +130°C per un tempo massimo di 30 minuti.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	125	16	-0.50	0.55	40
25	6.0	150	16	-0.40	0.70	40
32	6.0	175	16	-0.40	0.85	40
38	6.5	225	16	-0.30	1.10	40
50	8.0	275	16	-0.30	1.70	40
63.5	8.0	300*	16	--	2.10	40
75	8.0	350*	16	--	2.50	40
100	8.0	450*	16	--	3,20	40

*** Bending radius at a working pressure of ≥ 1 bar.**
Other sizes available on request. Above technical data are based on application at room temperature (+20°C).
** Rayon de cintrage obtenu à une pression de ≥ 1 bar.*
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
* Raggio di curvatura ottenibile a una pressione ≥ 1 bar.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MANIPHARM/SD-UPE

APPLICATION
- **Versatile suction and delivery hose to convey a broad range of pharmaceutical, chemical and alimentary products.**
- **Meets the standards EN 12115.**

CONSTRUCTION
TUBE:
- **UPE (ultra High Molecular Weight Polyethylene), clear colour, smooth, conductive through a black UPE helix stripe.**
- **Inner liner approved by BgVV and conforming to FDA standards as well as to the M.D. 21.03.73 and following amendments.**
- **Resistance: according to the MTG Chemical Resistance Chart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Embedded steel helix wire.**
- **Copper wires upon demand.**

COVER:
- **EPDM rubber, black, smooth, antistatic ($R < 10^6\ \Omega$), resistant to abrasion, ozone and weather, cloth finish.**

MARKING
- **Longitudinal blue-white stripe MTG MANIPHARM UPE.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol: - Ω - Resistance $\leq 10^6$ Ohm.**

TEMPERATURE RANGE
- **From -35°C up to +100°C.**
- **Resistant to steam up to +130°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure up to ID 75 mm.**
- **$\geq$ 3 times working pressure above ID 75 mm.**

APPLICATIONS
- *Tuyau polyvalent pour une vaste gamme de produits pharmaceutiques, chimiques et alimentaires.*
- *Exécution selon la normative EN 12115.*

CONSTRUCTION
SOUS-COUCHE:
- *UPE (Polyéthylène à très haute densité moléculaire), couleur claire, avec bande en UPE noire hélicoïdale conductrice. Lisse.*
- *Homologué BgVV, répondant au FDA et au D.M. 21.03.73 et modifications successives.*
- *Résistance : selon le Tableau des Résistances Chimique MTG.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Sur demande : fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc EPDM noir, antistatique (R < 10^6 Ohm), résistant à l'abrasion, à l'ozone et aux agents atmosphériques, lisse, empreinte toile.*

MARCAGE
- *Transfert longitudinal bleu/blanc MTG MANIPHARM UPE.*
- *Longitudinal, en relief, aux normes EN 12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: - Ω - Résistance ≤ 10^6 Ohm.*

TEMPERATURES
- *De -35°C à +100°C.*
- *Résistance à la vapeur jusqu'à +130°C pendant un temps maximal de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice jusqu'au DI 75 mm.*
- *≥ 3 fois la pression d'exercice outre le DI 75 mm.*

APPLICAZIONI
- Tubo polivalente per mandata e aspirazione di una vasta gamma di prodotti farmaceutici, chimici e alimentari.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- UPE (Polietilene ad altissimo peso molecolare), colore chiaro, con banda elicoidale in UPE nero conduttivo. Liscio.
- Omologato BgVV, rispondente al FDA e al D.M. 21.03.73 e successive modifiche.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Su richiesta, cavetti di rame inseriti.

COPERTURA:
- Gomma EPDM nera, antistatica (R < 10^6 Ohm), resistente all'abrasione, all'ozono e agli agenti atmosferici, liscia, impronta tela.

MARCATURA
- Transfer longitudinale blu/bianco MTG MANIPHARM UPE.
- Longitudinale, in rilievo, a norma EN 12115.

DISSIPAZIONE DELL'ELETTRICITÀ STATICA
- Simbolo di identificazione: - Ω - Resistenza ≤ 10^6 Ohm.

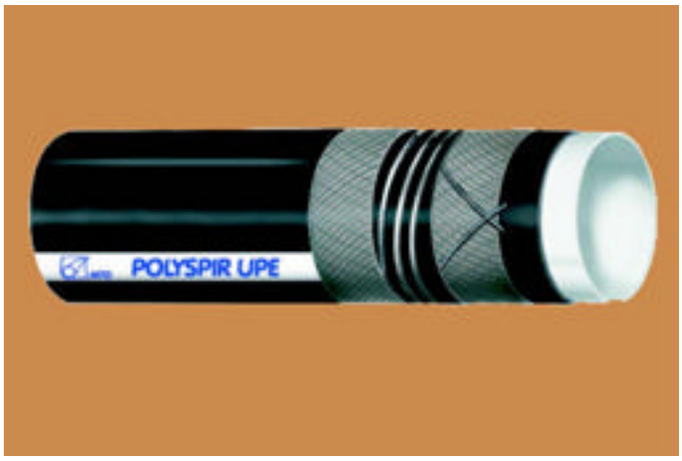
TEMPERATURE
- Da -35°C a +100°C.
- Resistenza al vapore fino a +130°C per un tempo massimo di 30 minuti.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio fino al DI 75 mm.
- ≥ 3 volte la pressione di esercizio oltre il DI 75 mm.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	125	16	-0.90	0.65	40
25	6.0	150	16	-0.90	0.75	40
32	6.0	175	16	-0.90	1.00	40
38	6.5	225	16	-0.90	1.30	40
50	8.0	275	16	-0.90	2.10	40
63.5	8.0	300	16	-0.90	2.60	40
75	8.0	350	16	-0.80	3.10	40
100	9.0	450	16	-0.80	4.90	40

Other sizes available on request. Above technical data are based on application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

POLYSPIR/UPE-BN



Made in Italy

APPLICATION
- **Versatile hose for suction and delivery of a variety of chemical, alcoholic and foodstuff products.**
- **Normally installed on tank trucks, discharge platforms, mobile equipment or recommended for in-plant applications in laboratories, food and chemical industries.**

CONSTRUCTION
TUBE:
- **UPE (ultra High Molecular Weight Polyethylene), clear colour, smooth, mirror-like.**
- **Liner approved by BgVV and complying with FDA standards as well as M.D. 21.03.73 and following amendments.**
- **Resistance: according to the MTG Chemical Resistance Chart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Embedded steel helix wire.**
- **Built-in copper wires.**

COVER:
- **EPDM rubber, black, smooth, antistatic ($R < 10^6\ \Omega$), resistant to abrasion, weather and ozone, cloth finish.**

MARKING
- **Longitudinal blue-white stripe MTG POLYSPIR UPE - FDA - BgVV.**

TEMPERATURE RANGE
- **From - 35°C up to +100°C.**
- **Resistant to steam up to +130°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **$\geq$ 4 times working pressure.**

APPLICATONS
- *Tuyau polyvalent pour refoulement et aspiration d'une vaste gamme de produits chimiques, alcooliques et alimentaires.*
- *Normalement installé sur des camions citerne et sur des plateformes de déchargement, des laboratoires chimiques, des installations fixes et mobiles des industries alimentaires et chimiques.*

CONSTRUCTION
SOUS-COUCHE:
- *UPE (Polyéthylène à très haute densité moléculaire), couleur claire, lisse, spéculaire.*
- *Homologué BgVV, répondant au FDA et au D.M. 21.03.73 et modifications successives.*
- *Résistance: selon le Tableau des Résistances Chimique MTG.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc EPDM noir, antistatique ($R < 10^6\ \Omega$), résistant à l'abrasion, à l'ozone et aux agents atmosphériques, lisse, empreinte toile.*

MARCAGE
- *Transfert longitudinal blanc/bleu MTG POLYSPIR UPE - FDA - BgVV.*

TEMPERATURES
- *De -35°C à +100°C.*
- *Résistance à la vapeur jusqu'à +130°C pendant un temps maximal de 30 minutes.*

FACTEUR DE SECURITE
- *$\geq$ 4 fois la pression d'exercice.*

APPLICAZIONI
- Tubo polivalente per mandata e aspirazione di una vasta gamma di prodotti chimici, alcolici e alimentari.
- Normalmente installato su autocisterne e piattaforme di scarico, laboratori chimici, impianti fissi e mobili delle industrie alimentari e chimiche.

COSTRUZIONE
SOTTOSTRATO:
- UPE (Polietilene ad altissimo peso molecolare), chiaro, liscio, speculare.
- Omologato BgVV, rispondente al FDA e al D.M. 21.03.73 e successive modifiche.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Cavetti di rame inseriti.

COPERTURA:
- Gomma EPDM nera, antistatica ($R < 10^6\ \Omega$), resistente all'abrasione, all'ozono e agli agenti atmosferici, liscia, impronta tela.

MARCATURA
- Transfer longitudinale bianco/blu MTG POLYSPIR UPE - FDA - BgVV.

TEMPERATURE
- Da -35°C a +100°C.
- Resistenza al vapore fino a +130°C per un tempo massimo di 30 minuti.

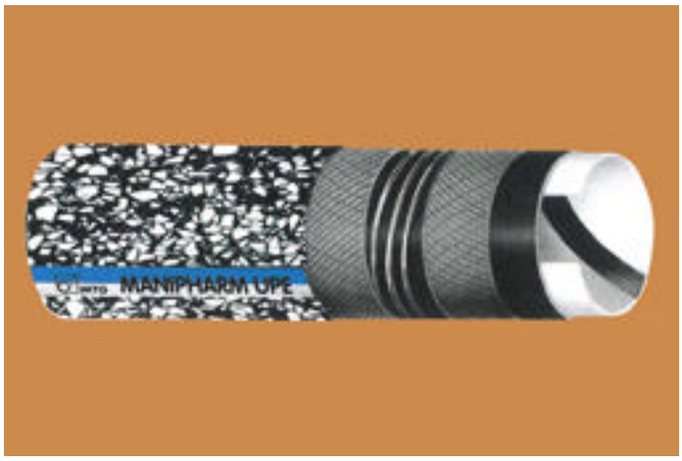
FATTORE DI SICUREZZA

- ≥ 4 volte la pressione di esercizio.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
13	5.5	80	10	-0.90	0.45	40
19	6.0	115	10	-0.90	0.67	40
25	6.0	150	10	-0.90	0.82	40
32	6.0	190	10	-0.90	0.98	40
35	6.0	210	10	-0.90	1.05	40
38	6.5	230	10	-0.90	1.31	40
40	6.5	240	10	-0.90	1.38	40
50	7.0	300	10	-0.90	1.84	40
63.5	8.0	390	10	-0.90	2.65	40
70	8.0	420	10	-0.90	2.90	40
75	8.0	480	10	-0.90	3.10	40
80	8.0	480	10	-0.90	3.35	40
100	9.0	600	10	-0.90	4.90	40
102	9.0	600	10	-0.90	4.92	40

Other sizes available on request. Above technical data are referring to application at room temperature (+20°C).
D'autres dimensions sont disponibles sur demande. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

MANIPHARM/SD-ANTISTATIC



Made in Italy

A hygenic hose for versatile application
Un tuyau hygiénique pour différentes applications
Un tubo igienico per svariate applicazioni

APPLICATION
- **Versatile suction and delivery hose to convey a broad range of pharmaceutical, chemical and alimentary products.**
- **Meets the standards EN 12115.**

CONSTRUCTION
TUBE:
- **UPE (Ultra High Molecular Weight Polyethylene), clear colour, smooth, conductive through a black UPE helix stripe.**
- **Inner liner meeting BfR and conforming to FDA standards as well as to M.D. 21.03.73 and following amendaments.**
- **Resistance: according to the MTG Chemical Resistance Chart.**

REINFORCEMENT:
- **Plies of high strength synthetic cord.**
- **Embedded steel helix wire.**
- **Copper wires upon demand.**

COVER:
- **Marbled finish, patented, white-black colour, smooth, suitable for application in the pharmaceutical industry and in general in processes requiring the use of inert, non-polluting materials.**
- **Antistatic acc. to EN 12115 ($R \leq 10^6$ Ohm).**
- **It resists abrasion, ozone and the aggression of weather.**
- **The special cloth finish offers the advantage of a low-friction rate.**
- **Does not taint contact surfaces, it is odourless and tasteless according to the FDA test criteria for food application.**
- **The special outer material renders the cover easily washable with any detergent products.**
- **It resists accidental contact with the aggressive chemical fluids conveyed in the hose.**

MARKING
- **Longitudinal blue-white stripe MTG MANIPHARM UPE.**
- **Longitudinal embossed tape meeting EN 12115.**

DISSIPATION OF STATIC ELECTRICITY
- **Identification symbol: - Ohm - Resistance $\leq 10^6$ Ohm.**

TEMPERATURE RANGE
- **From -35°C up to +100°C.**
- **Resistant to steam up to +130°C for a maximum time fo 30 minutes.**

SAFETY FACTOR
- ≥ **4 times working pressure up to ID 75 mm**
- ≥ **3 times working pressure up to ID 75 mm**

APPLICATIONS
- *Tuyau polyvalent pour une vaste gamme de produits pharmaceutiques, chimiques et alimentaires.*
- *Exécution selon la normative EN 12115.*

CONSTRUCTION
SOUS-COUCHE:
- *UPE (Polyéthylène à très haute densité moléculaire), couleur claire, avec bande en UPE noire hélicoïdale conductrice, lisse.*
- *Homologué BfR, répondant au FDA et au D.M. 21.03.73 et modifications successives.*
- *Résistance : selon le Tableau des Résistances Chimique MTG.*

RENFORTS:
- *Insertions textiles synthétiques, à haute résistance.*
- *Spirale en acier incorporée.*
- *Sur demande : fils en cuivre insérés.*

REVETEMENT:
- *Finition marmorisée blanc-noir, autorisé, lisse, adapté à l'utilisation en environnements pharmaceutiques et en général dans des productions demandant l'utilisation de produits inertes et non polluants.*
- *Antistatique selon EN 12115 ($R \leq 10^6$ Ohm).*
- *Résistant à l'abrasion, à l'ozone et aux agents atmosphériques.*
- *Empreinte toile spéciale avec coefficient bas de frottement.*
- *Ne tache pas les surfaces de contact, inodore et sans saveur, il est conforme avec les critères de test FDA pour l'utilisation alimentaire.*
- *Totalement lisse et facilement lavable avec n'importe quel produit de nettoyage.*
- *Résiste au contact accidentel avec des produits chimiques agressifs normalement acheminés à l'intérieur du tuyau.*

MARCAGE
- *Transfert longitudinal bleu/blanc MTG MANIPHARM UPE.*
- *Longitudinal, en relief, aux normes EN 12115.*

DISSIPATION DE L'ELECTRICITE STATIQUE
- *Symbole d'identification: - Ohm - Résistance $\leq 10^6$ Ohm.*

TEMPERATURES
- *De -35°C à +100°C.*
- *Résistance à la vapeur jusqu'à +130°C pendant un temps maximal de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice jusqu'au DI 75 mm.*
- *≥ 3 fois la pression d'exercice outre le DI 75 mm.*

APPLICAZIONI
- Tubo polivalente per madata e aspirazione di una vasta gamma di prodotti farmaceutici, chimici e alimentari.
- Esecuzione secondo la normativa EN 12115.

COSTRUZIONE
SOTTOSTRATO:
- UPE (Polietilene ad altissimo peso molecolare), colore chiaro, con banda elicoidale in UPE nero conduttivo, liscio.
- Omologato BfR, rispondente al FDA e al D.M. 21.03.73 e successive modifiche.
- Resistenza: secondo la Tabella delle Resistenze Chimiche MTG.

RINFORZI:
- Inserzioni tessili sintetiche, ad alta resistenza.
- Spirale in acciaio incorporata.
- Su richiesta, cavetti di rame inseriti.

COPERTURA:
- Finitura marmorizzata bianco-nera, patentata, liscia, adatta all'impiego in ambienti farmaceutici e in generale in produzioni che richiedono l'uso di materiali inerti e non inquinanti.
- Antistatica secondo EN 12115 ($R \leq 10^6$ Ohm).
- Resistente all'abrasione, all'ozono e agli agenti atmosferici.
- Speciale impronta tela con basso coefficiente d'attrico.
- Non macchia le superfici di contatto, è inodore e insapore, ed è conforme ai criteri di test FDA per l'uso alimentare.
- Totalmente liscia e facilmente lavabile con qualsiasi prodotto di pulizia.
- Resiste al contatto accidentale con i prodotti chimici aggressivi normalmente veicolari all'interno del tubo.

MARCATURA
- Transfer longitudinale blu/bianco MTG MANIPHARM UPE.
- Longitudinale, in rilievo, a norma EN 12115.

DISSIPAZIONE DELL'ELETTRICITA' STATICA
- Simbolo di identificazione: - Ohm - Resistenza $\leq 10^6$ Ohm.

TEMPERATURE
- Da -35°C a +100°C.
- Resistenza al vapore fino a +130°C per un tempo massimo di 30 minuti.

FATTORE DI SICUREZZA
- $\geq$ 4 volte la pressione di esercizio fino al DI 75 mm.
- *$\geq$ 3 volte la pressione di esercizio olre il DI 75 mm.*

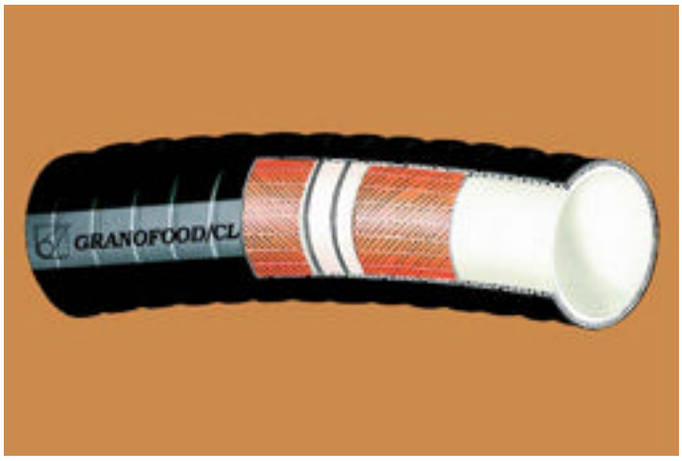
DIMENSIONAL TOLERANCE
Diameter: ISO 1307 - Length: ISO 1307 - Wall Thickness: DIN 7715 T4 S2
TOLERANCES DIMENSIONNELLES
Diamètre: ISO 1307 - Longueur: ISO 1307 - Epaisseur: DIN 7715 T4 S2
TOLLERANZE DIMENSIONALI
Diameter: ISO 1307 - Length: ISO 1307 - Wall Thickness: DIN 7715 T4 S2

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6.0	125	16	-0.9	0.65	40
25	6.0	150	16	-0.9	0.75	40
32	6.0	175	16	-0.9	1.00	40
38	6.5	225	16	-0.9	1.30	40
50	8.0	275	16	-0.9	2.10	40
63.5	8.0	300	16	-0.9	2.60	40
75	8.0	350	16	-0.9	3.10	40
100	9.0	450	16	-0.9	4.90	40

For other sizes and colours available, please consult our sales office. Above technical data refer to application at room temperature (+20°C).
Pour d'autres diamètres et couleurs disponibles, consulter nos bureaux commerciaux. Les données indiquées se réfèrent à des utilisations à une température ambiante de +20°C.
Per altri diametri e colori disponibili, consultare i nostri uffici vendite. I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (+20°).

Transfer of food products
Transvasement de produits alimentaires
Travaso prodotti alimentari

GRANOFOOD/CLC/4



APPLICATION
- **Ideal technical solution for severe applications when a high abrasion resistance of the tube is a basic requirement (granules, sugar, cereals, powders, coffee beans etc).**
- **The wide corrugation of the cover optimises flexibility.**
- **For suction and light delivery conditions.**

CONSTRUCTION
TUBE:
- **Polyurethane (PU) compound, neutral, smooth, food quality, mirror-like execution.**
- **Compound complying with FDA food standards, with BgVV recommendations and with the M.D. 21/03/73 and folllowing amendments.**

REINFORCEMENT:
- **Plies of synthetic cord, embedded steel wire helix and copper wires.**

COVER:
- **Synthetic rubber, black, antistatic (R<1 Mohm), with wide corrugation. Resistant to abrasion and weather cloth finish.**

MARKING
- **MTG Granofood.**

TEMPERATURE RANGE
- **From -35°C up to 100°C.**
- **Sterilisation up to 130°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

- **The wide corrugation of the outer surface facilitates the mounting of the couplings.**
- **On request available in fixed lengths with protruding copper wires.**

APPLICATIONS
- *Solution idéale pour des applications lourdes quand une grande résistance à l'abrasion de la sous-couche est requise, (pour granulés, sucre, céréales, poudres, grains de café et autres).*
- *L'ondulation ample du revêtement optimise la flexibilité.*
- *Pour une utilisation en condition de refoulement ou d'aspiration.*

CONSTRUCTION
SOUS-COUCHE:
- *Polyuréthane (PU) non toxique, clair, spéculaire, lisse.*
- *Conforme à la normative F.D.A., aux recommandations BgVV et au DM 21.03.73 et modifications successives.*

RENFORTS:
- *Textiles synthétiques et spirales en acier incorporées. Fils en cuivre insérés.*

REVETEMENT:
- *Caoutchouc synthétique noir, anti-abrasif, antistatique (R<1Mohm), à ondulation ample, (empreinte toile).*

MARCAGE
- *MTG Granofood.*

TEMPERATURES
- *De -35°C à 100°C.*
- *Pointes à 130°C pour stérilisations pendant un maximum de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice*

- *L'ondulation particulière de la surface externe permet un raccord plus aisé et efficace.*
- *Sur demande, il est fourni en pièces d'utilisation avec des fils en cuivre fluorescents.*

APPLICAZIONI
- Soluzione ideale per applicazioni severe quando si richieda un'alta resistenza all'abrasione del sottostrato (per granulati, zucchero, cereali, polveri, chicchi di caffé ed altri).
- L'ondulazione ampia della copertura ottimizza la flessibilità.
- Per uso in condizioni di aspirazione o mandata.

COSTRUZIONE
SOTTOSTRATO:
- Poliuretano (PU) atossico, chiaro, speculare, liscio.
- Conforme alla normativa F.D.A., alle raccomandazioni BgVV e al DM 21.03.73 e successive modifiche.

RINFORZI:
- Tessili sintetici e spirali in acciaio incorporate. Cavetti di rame inseriti.

COPERTURA:
- Gomma sintetica, nera, antiabrasiva, antistatica (R<1Mohm), ad ampia ondulazione, (impronta tela).

MARCATURA
- MTG Granofood.

TEMPERATURE
- Da -35°C a 100°C.
- Punte a 130°C per sterilizzazioni per un massimo di 30 minuti.

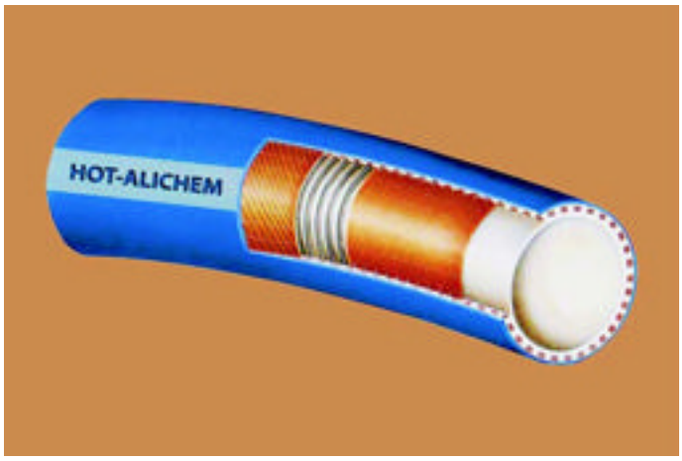
FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio

- La particolare ondulazione della superficie esterna permette una raccordatura più agevole ed efficace.
- Su richiesta fornito in pezzature di impiego con cavetti di rame fuoriuscenti.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
51	7	250	4	600	1,75	40
63,5	8	350	4	600	2,45	40
75	8	450	4	600	2,90	40
80	8	480	4	600	3,0	40
100	9	600	4	600	4,20	40
102	9	600	4	600	4,30	40

Other sizes available on request. For other colours available consult our "Colour Coding". Above technical data are referring to application at room temperature (20°C).
D'autres diamètres disponibles sur demande. D'autres couleurs de revêtement fournies selon le Tableau "Codification Couleurs", Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Altri diametri disponibili a richiesta. Altri colori di copertura fornibili secondo la tabella "Codifica Colori". I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20°C).

HOT-ALICHEM/SPL/10 BLUE



Made in Italy

APPLICATION
- **Latest generation of beverage hose suitable to handle a wide spectrum of liquid food products such as wine, fruit juice, tomato juice, beer, mineral water and soft drinks.**
- **Ideal solution when high temperature capacity in use and prolonged sterilisation sessions are requested.**
- **Inner liner resistant to medium concentration acids and bases.**
- **For suction and delivery purposes.**

CONSTRUCTION
TUBE:
- **High grade-EPDM rubber, clear colour, odourless and tasteless, mirror-like, smooth.**
- **Rubber compound complying with FDA standards, with BfR recommendations and requirements of the German food legislation (Cat.II) and with M.D. 21/03/73 and following amendments.**
- **Suitable for all commercial cleaning and disinfection products used in the food industry.**

REINFORCEMENT:
- **Plies of synthetic cord and embedded steel helix wire.**

COVER:
- **Synthetic rubber, blue, smooth, abrasion and weather resistant, cloth finish.**

MARKING
- **MTG HOT ALICHEM.**

TEMPERATURE RANGE
- **From -40°C up to 120°C.**
- **Sterilisation up to 150°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

APPLICATIONS
- *Tuyau de dernière génération pour boissons, adapté au passage d'un vaste spectre de liquides alimentaires comme le vin, les jus de fruit, tomate, bière, eau potable et boissons sans alcool.*
- *Solution idéale en cas de hautes températures d'utilisation et de stérilisations prolongées.*
- *Résistance de la sous-couche aux acides et aux bases à concentration moyenne.*
- *Adapté à une utilisation de refoulement et d'aspiration.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc EPDM non toxique, clair, spéculaire, lisse.*
- *Caoutchouc conforme aux standards F.D.A. et homologué selon les normatives alimentaires allemandes BfR (Cat II) et répondant au DM 21.03.73 et modifications successives.*
- *Adapté aux produits de nettoyage communs utilisés dans les procédures d'assainissement alimentaire.*

RENFORTS:
- *Textiles synthétiques et spirale en acier incorporée.*

REVETEMENT:
- *Caoutchouc synthétique bleu, résistant à l'abrasion et aux agents atmosphériques, lisse, (empreinte toile).*

MARCAGE
- *MTG HOT ALICHEM.*

TEMPERATURES
- *De -40°C à +120°C.*
- *Pointes à 150°C pour stérilisations pendant un maximum de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

APPLICAZIONI
- Tubo di ultima generazione per bevande, adatto al passaggio di un ampio spettro di liquidi alimentari quali vino, succo di frutta, pomodoro, birra, acqua potabile e analcolici.
- Soluzione ideale nel caso di alte temperature di utilizzo e di prolungate sterilizzazioni.
- Resistenza del sottostrato ad acidi e basi a media concentrazione.
- Adatto ad uso in aspirazione e mandata.

COSTRUZIONE
SOTTOSTRATO:
- Gomma EPDM atossica di alta qualità, chiara, speculare, liscio.
- Gomma conforme con lo standard FDA e omologato secondo le normative alimentari tedesche BfR (Cat. II) e rispondente al DM 21.03.73 e successive modifiche.
- Adatto ai comuni prodotti di pulizia utilizzati nei processi di sanificazione alimentare.

RINFORZI:
- Tessili sintetici e spirale in acciaio incorporata.

COPERTURA:
- Gomma sintetica, blu, resistente all'abrasione e agli agenti atmosferici, liscia (impronta tela).

MARCATURA
- MTG HOT ALICHEM.

TEMPERATURE
- Da -40°C a +120°C.
- Punte a 150°C per sterilizzazioni per un massimo di 30 minuti.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
25	6	140	10	- 0.9	0,80	40
32	6	180	10	- 0.9	0,96	40
38	6,5	230	10	- 0.9	1,37	40
50	8	290	10	- 0.9	1,80	40
65	8	390	10	- 0.9	2,65	40
75	8	450	10	- 0.9	3,10	40
100	9	600	10	- 0.9	4,80	40

Other sizes and colours avalaible on request. Please get in contact with our Sales Department. Above technical data are referring to application at room temperature (20°C).
D'autres diamètres et couleurs disponibles, contacter nos bureaux commerciaux. Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Per altri diametri e colori disponibili consultare i nostri Uffici Vendite. I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20°C).

HOT-ALICHEM/10 BLUE

Made in Italy

APPLICATION
- **Latest generation of beverage hose suitable to handle a wide spectrum of liquid food products such as wine, fruit juice, tomato juice, beer, mineral water and soft drinks.**
- **Ideal solution when high temperature capacity in use and prolonged sterilisation sessions are requested.**
- **Inner liner resistant to medium concentration acids and bases.**
- **For delivery purposes.**

CONSTRUCTION
TUBE:
- **High grade-EPDM rubber, clear colour, odourless and tasteless, mirror-like, smooth.**
- **Rubber compound complying with FDA standards, with BfR recommendations and requirements of the German food legislation (Cat.II) and with M.D. 21/03/73 and following amendments.**
- **Suitable for all commercial cleaning and disinfection products used in the food industry.**

REINFORCEMENT:
- **Plies of synthetic cord.**

COVER:
- **Synthetic rubber, blue, smooth, abrasion and weather resistant, cloth finish.**

MARKING
- **MTG HOT ALICHEM.**

TEMPERATURE RANGE
- **From -40°C up to 120°C.**
- **Sterilisation up to 150°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

APPLICATIONS
- *Tuyau de dernière génération pour boissons, adapté au passage d'un vaste spectre de liquides alimentaires comme le vin, les jus de fruit, tomate, bière, eau potable et boissons sans alcool.*
- *Solution idéale en cas de hautes températures d'utilisation et de stérilisations prolongées.*
- *Résistance de la sous-couche aux acides et aux bases à concentration moyenne.*
- *Adapté à une utilisation de refoulement et d'aspiration.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc EPDM non toxique de haute qualité, clair, spéculaire, lisse.*
- *Caoutchouc conforme aux standards F.D.A. et homologué selon les normatives alimentaires allemandes BfR (Cat II) et répondant au DM 21.03.73 et modifications successives.*
- *Adapté aux produits de nettoyage communs utilisés dans les procédures d'assainissement alimentaire.*

RENFORTS:
- *Textiles synthétiques.*

REVETEMENT:
- *Caoutchouc synthétique bleu, résistant à l'abrasion et aux agents atmosphériques, lisse, (empreinte toile).*

MARCAGE
- *MTG HOT ALICHEM.*

TEMPERATURES
- *De -40°C à +120°C.*
- *Pointes à 150°C pour stérilisations pendant un maximum de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

APPLICAZIONI
- Tubo di ultima generazione per bevande, adatto al passaggio di un ampio spettro di liquidi alimentari quali vino, succo di frutta, pomodoro, birra, acqua potabile e analcolici.
- Soluzione ideale nel caso di alte temperature di utilizzo e di prolungate sterilizzazioni.
- Resistenza del sottostrato ad acidi e basi a media concentrazione.
- Adatto ad uso in mandata.

COSTRUZIONE
SOTTOSTRATO:
- Gomma EPDM atossica di alta qualità, chiara, speculare, liscio.
- Gomma conforme con lo standard FDA e omologato secondo le normative alimentari tedesche BfR (Cat. II) e rispondente al al DM 21.03.73 e successive modifiche.
- Adatto ai comuni prodotti di pulizia utilizzati nei processi di sanificazione alimentare.

RINFORZI:
- Tessili sintetici.

COPERTURA:
- Gomma sintetica, blu, resistente all'abrasione e agli agenti atmosferici, liscia (impronta tela).

MARCATURA
- MTG HOT ALICHEM.

TEMPERATURE
- Da -40°C a +120°C.
- Punte a 150°C per sterilizzazioni per un massimo di 30 minuti.

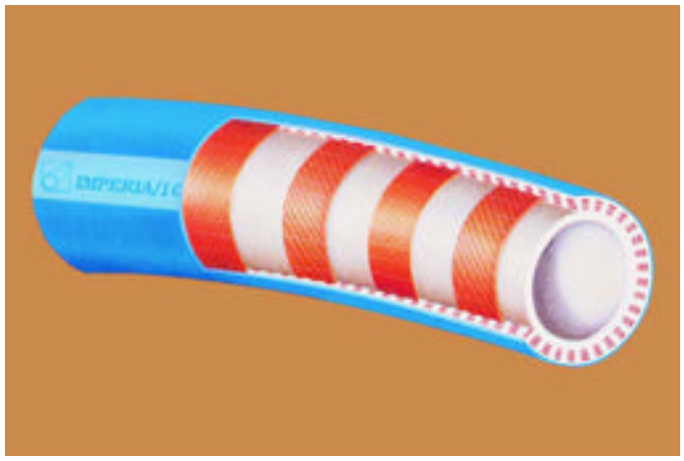
FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
25	6	150*	10	-	0,80	40
32	8	190*	10	-	1.20	40
38	9	240*	10	-	1,60	40
50	10	300*	10	-	2.20	40
65	11	390*	10	-	3.10	40
75	12	450*	10	-	3,90	40
100	15	600*	10	-	6.30	40

*** Bending radius at a working pressure of ≥ 1 bar.**
** Rayon de cintrage obtenu à une pression ≥ 1 bar.*
* Raggio di curvatura ottenibile ad una pressione ≥ 1 bar.

Other sizes and colours avalaible on request. Please get in contact with our Sales Department. Above technical data are referring to application at room temperature (20°C).
D'autres diamètres et couleurs disponibles, contacter nos bureaux commerciaux. Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Per altri diametri e colori disponibili consultare i nostri Uffici Vendite. I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20°C).

IMPERIA/10



Made in Italy

APPLICATION
- **Premium quality milk and dairy hose for light suction and delivery of oily and fatty foodstuffs.**

CONSTRUCTION
TUBE:
- **NBR-based rubber, light colour, smooth, odourless and tasteless, mirror-like.**
- **Complying with FDA standards, with BgVV recommendations and requirements of the German food legislation, and with M.D. 21/03/73 and following amendments.**
- **RAL registration for food quality.**
- **Suitable for all commercial cleaning and disinfection products used in the food industry.**

REINFORCEMENT:
- **Plies of synthetic cord.**

COVER:
- **CR-based rubber, blue, smooth, abrasion, ozone, weather and animal/vegetable fat resistant, cloth finish.**

MARKING
- **MTG Imperia.**

TEMPERATURE RANGE
- **From -20°C up to 90°C.**
- **Sterilisation up to 130°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

APPLICATIONS
- *Tuyau pour utilisations lourdes adapté au passage de produits alimentaires gras et huileux.*
- *Normalement utilisé dans les huileries, les fromageries, les laiteries et dans les industries alimentaires en général.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc base NBR, clair, inodore et sans saveur, spéculaire, lisse.*
- *Homologué BgVV, répondant au DM 21.03.73 et modifications successives et au F.D.A.*
- *Enregistrement RAL de qualité alimentaire.*
- *Pour la résistance aux procédures normales d'assainissement, voir les indications dans ce catalogue.*

RENFORTS:
- *Textiles synthétiques.*

REVETEMENT:
- *Caoutchouc base CR bleu, anti abrasif et résistant aux agents atmosphériques et aux graisses d'origine animale et végétale, lisse (empreinte toile).*

MARCAGE
- *MTG Imperia.*

TEMPERATURES
- *De -20°C à 90°C.*
- *Pointes à 130°C pour stérilisations pendant un maximum de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

APPLICAZIONI
- Tubo per impieghi gravosi adatto al passaggio di prodotti alimentari grassi ed oleosi.
- Normalmente impiegato negli oleifici, nei caseifici, nelle latterie e nelle industrie alimentari in genere.

COSTRUZIONE
SOTTOSTRATO:
- Gomma base NBR, chiara, inodore e insapore, speculare, liscio.
- Omologato BgVV, rispondente al DM 21.03.73 e successive modifiche e al F.D.A.
- Registrazione RAL di qualità alimentare.
- Per la resistenza ai normali processi di sanificazione vedere indicazioni in questo catalogo.

RINFORZI:
- Tessili sintetici.

COPERTURA:
- Gomma base CR, blu, antibrasiva e resistente agli agenti atmosferici ed ai grassi di origine animale e vegetale, liscia (impronta tela).

MARCATURA
- MTG Imperia.

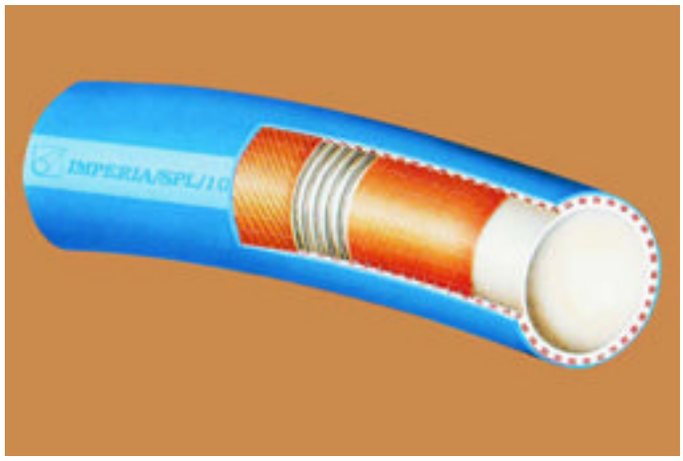
TEMPERATURE
- Da: -20°C a: 90°C.
- Punte a 130°C per sterilizzazioni per un massimo di 30 minuti.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
13	5	80	10	600	0,35	40
19	5	120	10	500	0,47	40
25	6	150	10	500	0,77	40
32	8	200	10	600	1,42	40
35	9	210	10	600	1,77	40
38	9	230	10	600	1,93	40
40	10	240	10	600	2,40	40
45	10	270	10	600	2,69	40
50	10	300	10	500	2,79	40
52	11	310	10	500	3,19	40
60	12	420	10	500	3,89	40
65	12	460	10	400	4,16	40
70	14	500	10	400	5,35	40
75	15	530	10	400	5,95	40
80	15	560	10	400	6,18	40
100	16	700	10	400	8,16	40

Other sizes available on request. For other colours available consult our "Colour Coding". Above technical data are referring to application at room temperature (20 C).
D'autres diamètres disponibles sur demande. D'autres couleurs de revêtement sont disponibles, selon le tableau "Codification Couleurs". Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Altri diametri disponibili a richiesta. Altri colori di copertura fornibili secondo la tabella "Codifica Colori". I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20 C).

IMPERIA/SPL/10



Made in Italy

APPLICATION
- **Premium quality milk and dairy hose for suction and delivery of oily and fatty foodstuffs,**

CONSTRUCTION
TUBE:
- **NBR-based rubber, light colour, smooth, odourless and tasteless, mirror-like.**
- **Complying with FDA standards, with BgVV recommendations and requirements of the German food legislation, and with M.D. 21/03/73 and following amendments.**
- **RAL registration for food quality.**
- **Suitable for all commercial cleaning and disinfection products used in the food industry.**

REINFORCEMENT:
- **Plies of synthetic cord and embedded steel wire helix.**

COVER:
- **CR-based rubber, blue, smooth, abrasion, ozone, weather and animal/vegetable fat resistant , cloth finish.**

MARKING
- **MTG Imperia.**

TEMPERATURE RANGE
- **From -20°C up to 90°C.**
- **Sterilisation up to 130°C for a maximum time of 30 minutes.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

APPLICATIONS
- *Tuyau adapté au passage de produits alimentaires gras et huileux.*
- *Normalement utilisé dans les huileries, les fromageries, les laiteries et dans les industries alimentaires en général.*
- *Adapté à une utilisation en aspiration ou en refoulement.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc base NBR, clair, inodore et sans saveur, spéculaire, lisse.*
- *Homologué BgVV, répondant au DM 21.03.73 et modifications successives et au F.D.A.*
- *Enregistrement RAL de qualité alimentaire.*
- *Pour la résistance aux procédures normales d'assainissement, voir les indications dans ce catalogue.*

RENFORTS:
- *Textiles synthétiques et spirale en acier incorporée.*

REVETEMENT:
- *Caoutchouc base CR bleu, anti abrasif et résistant aux agents atmosphériques et aux graisses d'origine animale et végétale, lisse (empreinte toile).*

MARCAGE
- *MTG Imperia.*

TEMPERATURES
- *De -20°C à 90°C.*
- *Pointes à 130°C pour stérilisations pendant un maximum de 30 minutes.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

APPLICAZIONI
- Tubo adatto al passaggio di prodotti alimentari grassi ed oleosi. o Normalmente impiegato negli oleifici, nei caseifici, nelle latterie e nelle industrie alimentari in genere.
- Adatto ad uso in aspirazione o mandata

COSTRUZIONE
SOTTOSTRATO:
- Gomma base NBR, chiara, inodore e insapore, speculare, liscio.
- Omologato BgVV rispondente al DM 21.03.73 e successive modifiche e al F.D.A.
- Registrazione RAL di qualità alimentare.
- Per la resistenza ai normali processi di sanificazione vedere indicazioni in questo catalogo.

RINFORZI:
- Tessili sintetici e spirale in acciaio incorporata.

COPERTURA:
- Gomma base CR, blu, antibrasiva, resistente agli agenti atmosferici ed ai grassi di origine animale e vegetale, liscia
- (impronta tela).

MARCATURA
- MTG Imperia.

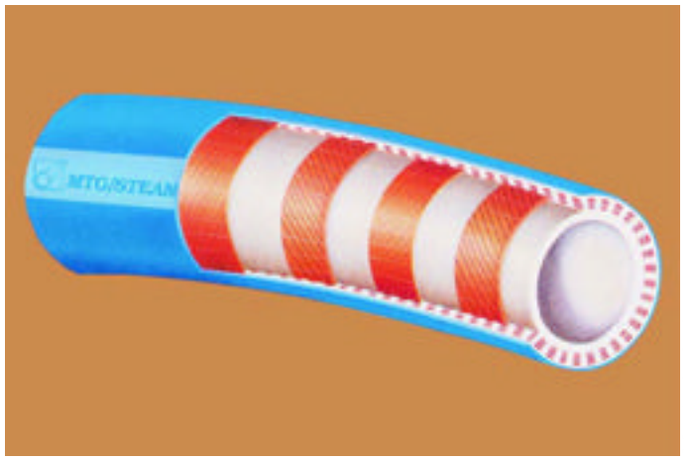
TEMPERATURE
- Da -20°C a 90°C.
- Punte a 130°C per sterilizzazioni per un massimo di 30 minuti.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
19	6	80	10	680	0,69	40
25	6	120	10	680	0,85	40
32	6	150	10	680	1,04	40
38	7	200	10	680	1,56	40
40	7	200	10	680	1,62	40
45	7	225	10	680	1,78	40
50	7	250	10	680	1,95	40
52	7	280	10	680	2,10	40
60	8	330	10	680	2,72	40
65	8	360	10	680	2,93	40
70	8	420	10	680	3,14	40
75	9	450	10	680	3,82	40
80	9	480	10	680	4,10	40
100	9	600	10	680	5,45	40

Other sizes available on request. For other colours available consult our "Colour Coding". Above technical data are referring to application at room temperature (20°C).
D'autres diamètres disponibles sur demande. D'autres couleurs de revêtement sont disponibles, selon le tableau "Codification Couleurs". Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Altri diametri disponibili a richiesta. Altri colori di copertura fornibili secondo la tabella "Codifica Colori". I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20°C).

MTG/STEAM



Made in Italy

APPLICATION
- **Food quality steam hose for heavy duty steam cleaning and hot water washdown service in dairies, creameries and food processing plants.**

CONSTRUCTION
TUBE:
- **EPDM-based rubber, light colour, mirror-like, smooth.**
- **Rubber compound complying with FDA food standards and M.D. 21/03/73 and folllowing amendments.**

REINFORCEMENT:
- **Plies of synthetic cord.**

COVER:
- **EPDM-based rubber, blue, smooth, abrasion and weather resistant, cloth finish. Also resistant to traces of animal and vegetable fats.**

MARKING
- **MTG Steam.**

TEMPERATURE RANGE
- **From -40°C up to 164°C.**

SAFETY FACTOR
- **At 95°C working pressure 20 bar, burst pressure ≥ 3 times working pressure.**
- **At 164°C working pressure 6 bar, burst pressure ≥ 10 times working pressure.**

- **Version complying with BgVV standards available on request (reference :Vapore/6-BBL).**

APPLICATIONS
- *Tuyau pour le refoulement d'eau chaude et de vapeur saturée jusqu'à 164°C, utilisé dans les fromageries, et les abattoirs et dans les industries alimentaires en général.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc EPDM non toxique, clair, spéculaire, lisse.*
- *Conforme aux normatives FDA, répondant au DM 21.03.73 et modifications successives.*

RENFORTS:
- *Textiles synthétiques.*

REVETEMENT:
- *Caoutchouc EPDM bleu, résistant à l'abrasion et aux agents atmosphériques et aux traces de graisses animales et végétales, lisse (empreinte toile).*

MARCAGE
- *MTG Steam.*

TEMPERATURES
- *De -40°C à 164°C.*

FACTEUR DE SECURITE
- *Pression d'exercice à temp. 95°C : 20 bar, facteur de sécurité ≥ 3*
- *Pression d'exercice à temp. 164°C : 6 bar, facteur de sécurité ≥ 10*

- *Version répondant à la normative BgVV fournie sur demande (référence : Vapeur/6-BBL).*

APPLICAZIONI
- Tubo per mandata acqua calda e vapore saturo fino a 164°C, utilizzato nei caseifici, nei macelli, e nell'industria alimentare in genere.

COSTRUZIONE
SOTTOSTRATO:
- Gomma EPDM atossica, chiara, speculare, liscio.
- Conforme alla normativa F.D.A. e rispondente al DM 21.03.73 e successive modifiche.

RINFORZI:
- Tessili sintetici.

COPERTURA:
- Gomma EPDM, blu, resistente all'abrasione e agli agenti atmosferici e a tracce di grassi animali e vegetali, liscia, (impronta tela).

MARCATURA
- MTG Steam.

TEMPERATURE
- Da -40°C a 164°C.

FATTORE DI SICUREZZA
- Pressione di esercizio a temp. 95°C : 20 bar, fattore di sicurezza ≥ 3
- Pressione di esercizio a temp. 164°C : 6 bar, fattore di sicurezza ≥ 10

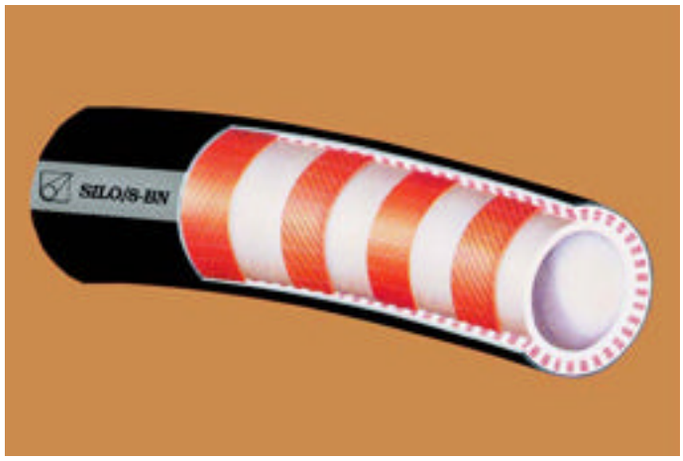
- Versione rispondente alla normativa BgVV fornibile su richiesta (riferimento: Vapore/6-BBL).

Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
10	5	75	6	20	0,27	40
13	5	100	6	20	0,34	40
16	6	120	6	20	0,51	40
19	6	160	6	20	0,59	40
25	7	200	6	20	0,89	40
32	7	260	6	20	1,08	40
38	8	300	6	20	1,47	40
50	8,5	380	6	20	1,80	40

Other sizes available on request. For other colours available consult our "Colour Coding". Above technical data are referring to application at room temperature (20°C).
D'autres diamètres disponibles sur demande. D'autres couleurs de revêtement sont disponibles, selon le tableau "Codification Couleurs". Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Altri diametri disponibili a richiesta. Altri colori di copertura fornibili secondo la tabella "Codifica Colori". I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20°C).

SILO/8-BN



Made in Italy

APPLICATION
- **Used for pneumatic delivery of flour, animal food, cereals, grain products, polyethylene granules, propylene and other powdery products.**

CONSTRUCTION
TUBE:
- **Abrasion resistant NR-based rubber, light colour, smooth, odourless and tasteless, mirror-like.**
- **Rubber compound complying with FDA food standards, with BgVV recommendations and requirements of the German food legislation and with the M.D. 21/03/73 and folllowing amendments.**

REINFORCEMENT:
- **Plies of synthetic cord and copper wire.**

COVER:
- **Synthetic rubber, black, smooth, antistatic (R<1 Mohm) abrasion and weather resistant, cloth finish.**

MARKING
- **MTG Silo.**

TEMPERATURE RANGE
- **From -30°C up to 60°C/short peaks at maximum 80°C.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

- **Outer cover available also in other colours (however not antistatic).**

APPLICATIONS
- *Tuyau pour le transport pneumatique en refoulement de farines, de nourritures animales, de céréales, de graines, de granulés de polyéthylène, de propylène et d'autres produits poussiéreux.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc base NR, clair, anti-abrasif, non toxique, spéculaire, lisse.*
- *Conforme à la normative FDA, aux recommandations BgVV, répondant au DM 21.03.73 et modifications successives.*

RENFORTS:
- *Textiles synthétiques, fil en cuivre inséré.*

REVETEMENT:
- *Caoutchouc synthétique, noir, anti abrasif et anti-statiqu (R<1Mohm), résistant aux agents atmosphériques, lisse (empreinte toile).*

MARCAGE
- *MTG Silo.*

TEMPERATURES
- *De -30°C à 60°C.*
- *Pointes à 80°C max.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice*

- *Sur demande, il est fourni avec revêtement de différentes couleurs (non anti-statique).*

APPLICAZIONI
- Tubo per il trasporto pneumatico in mandata di farine, mangimi, cereali, granaglie, granuli di polietilene, propilene e altri prodotti pulverulenti.

COSTRUZIONE
SOTTOSTRATO:
- Gomma base NR, chiara, antiabrasiva, atossica, speculare, liscio
- Conforme alla normativa F.D.A., alle raccomandazioni BgVV e al DM 21.03.73 e successive modifiche.

RINFORZI:
- Tessili sintetici, cavetto rame inserito.

COPERTURA:
- Gomma sintetica, nera,antiabrasiva e antistatica (R<1Mohm), resistente agli agenti atmosferici, liscia, (impronta tela).

MARCATURA
- MTG Silo.

TEMPERATURE
- Da -30°C a 60°C.
- Punte a 80°C max.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

- Su richiesta fornito con copertura di colori diversi (non antistatica).

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
50	8	600	8	---	1,68	40
65	8	780	8	---	2,10	40
75	9	900	8	---	2,79	40
80	9	960	8	---	2,98	40
100	9	1200	8	---	3,41	40

Other sizes available on request. For other colours available consult our “Colour Coding”. Above technical data are referring to application at room temperature (20°C).
D'autres diamètres disponibles sur demande. D'autres couleurs de revêtement sont disponibles, selon le tableau “Codification Couleurs”. Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Altri diametri disponibili a richiesta. Altri colori di copertura fornibili secondo la tabella "Codifica Colori". I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20°C).

SILO/SPL/4-BN

Made in Italy

APPLICATION
- **Used for pneumatic transfer under suction and delivery conditions of flour, animal food, cereals, grain products, polyethylene granules, propylene and other powdery products.**

CONSTRUCTION
TUBE:
- **Abrasion resistant NR-based rubber, light colour, smooth, odourless and tasteless, mirror-like.**
- **Rubber compound complying with FDA food standards, with BgVV recommendations and requirements of the German food legislation and with the M.D. 21/03/73 and folllowing amendments.**

REINFORCEMENT:
- **Plies of synthetic cord, embedded steel helix wire and copper wire.**

COVER:
- **Synthetic rubber, black, smooth, antistatic (R<1 Mohm) abrasion and weather resistant, cloth finish.**

MARKING
- **MTG Silo.**

TEMPERATURE RANGE
- **From -30°C up to 60°C/short peaks at maximum 80°C.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

- **Available also in fixed lengths with cuffs at both sides and protruding copper wire.**

APPLICATIONS
- *Tuyau pour le transport pneumatique en aspiration ou en refoulement de farines, de nourritures animales, de céréales, de graines, de granulés de polyéthylène, de propylène et d'autres produits poussiéreux.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc base NR, clair, anti-abrasif, non toxique, spéculaire, lisse.*
- *Conforme à la normative FDA, aux recommandations BgVV, répondant au DM 21.03.73 et modifications successives.*

RENFORTS:
- *Textiles synthétiques et spirale en acier incorporée, fil en cuivre inséré.*

REVETEMENT:
- *Caoutchouc synthétique, noir, anti-abrasif et antistatique (R<1Mohm), résistant aux agents atmosphériques, lisse (empreinte toile).*

MARCAGE
- *MTG Silo.*

TEMPERATURES
- *De -30°C à 60°C.*
- *Pointes à 80°C max.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

- *Sur demande, il est produit en pièces d'utilisation avec des manchons sur les extrémités et fil de cuivre dépassant.*

APPLICAZIONI
- Tubo per il trasporto pneumatico in aspirazione o mandata di farine, mangimi, cereali, graniglie, granuli di polietilene, propilene e altri prodotti pulverulenti.

COSTRUZIONE
SOTTOSTRATO:
- Gomma base NR, chiara, antiabrasiva, atossica, speculare, liscio o Conforme alla normativa F.D.A., alle raccomandazioni BgVV e al DM 21.03.73 e successive modifiche.

RINFORZI:
- Tessili sintetici e spirale in acciaio incorporata, cavetto rame inserito.

COPERTURA:
- Gomma sintetica, nera ,antiabrasiva e antistatica (R<1Mohm), resistente agli agenti atmosferici, liscia, (impronta tela).

MARCATURA
- MTG Silo.

TEMPERATURE
- Da -30°C a 60°C.
- Punte a 80°C max.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

- Su richiesta prodotto in pezzature d'impiego con manicotti alle estremità e cavetto di rame sporgente.

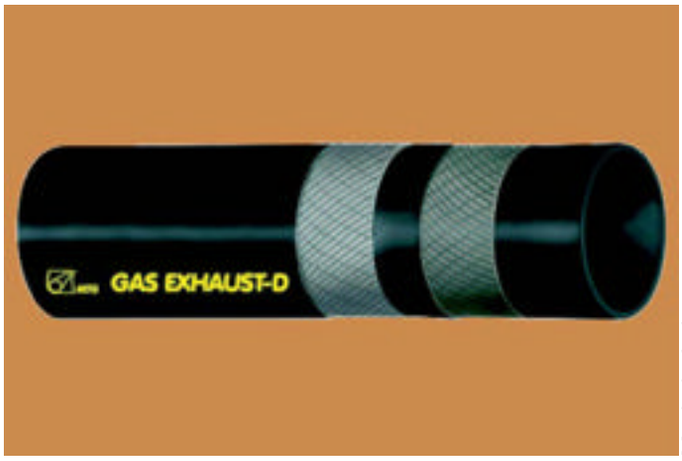
Hoses
Tuyauteries
Tubazioni

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
50	8	300	4	680	1,96	40
65	8	390	4	680	2,72	40
75	8	450	4	680	3,06	40
80	8	480	4	680	3,24	40
100	9	600	4	680	4,75	40

Other sizes available on request. For other colours available consult our "Colour Coding". Above technical data are referring to application at room temperature (20 C).
D'autres diamètres disponibles sur demande. D'autres couleurs de revêtement sont disponibles, selon le tableau "Codification Couleurs". Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Altri diametri disponibili a richiesta. Altri colori di copertura fornibili secondo la tabella "Codifica Colori". I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20 C).

Hoses complying to DNW
Tuyauteries aux normes DNW
Tubazioni a norma DNW

GAS-EXHAUST/D



APPLICATION
- **Delivery hose to convey cooling water and exhaust gases from marine engines.**
- **Approved by Det Norske Veritas (TA S-3007).**

CONSTRUCTION
TUBE:
- **CR rubber, black, smooth, resistant to sea water and contact with mineral oils.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**

COVER:
- **CR rubber, black, smooth, resistant to sea water, sea mist, ozone, weather and contact with mineral oils, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG GAS EXHAUST-D DNV TA S-3007.**

TEMPERATURE RANGE
- **From -30°C up to +100°C.**
- **Peaks at +120°C.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'acheminement d'eau de refroidissement et de déchargement de gaz d'échappement des moteurs marins.*
- *Approuvé par le Det Norske Veritas (TA S-3007).*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc CR, résistant à l'eau de mer et au contact avec des huiles minérales. Noir lisse.*

RENFORTS:
- *Textiles synthétiques à haute résistance.*

REVETEMENT:
- *Caoutchouc CR noir, résistant à l'eau de mer, aux embruns, à l'ozone, aux agents atmosphériques et au contact avec des huiles minérales, lisse (empreinte toile).*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG GAS EXHAUST-D DNV TA S-3007.*

TEMPERATURES
- *De -30°C à +100°C.*
- *Pointes à +120°C.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per convogliamento di acqua di raffreddamento e scarico di gas combusti dei motori marini.
- Approvato dal Det Norske Veritas (TA S-3007).

COSTRUZIONE
SOTTOSTRATO:
- Gomma CR, resistente all'acqua di mare e al contatto con oli minerali. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.

COPERTURA:
- Gomma CR nera, resistente all'acqua di mare, alla nebbia salina, all'ozono, agli agenti atmosferici e al contatto con gli oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- MTG GAS EXHAUST-D DNV TA S-3007.

TEMPERATURE
- Da -30°C a +100°C.
- Punte a +120°C.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
30	5.0	-	5	-	0.73	40
35	5.0	-	5	-	0.83	40
40	5.5	-	5	-	1.00	40
42	5.5	-	5	-	1.10	40
45	5.5	-	5	-	1.20	40
50	6.0	-	5	-	1.40	40
50	9.0	-	5	-	2.20	40
55	6.0	-	5	-	1.50	40
57	6.0	-	5	-	1.60	40
60	6.0	-	5	-	1.60	40
60	8.0	-	5	-	2.30	40
65	6.0	-	5	-	1.80	40
65	10.0	-	5	-	3.20	40
70	6.5	-	5	-	2.10	40
75	6.5	-	5	-	2.30	40
75	7.5	-	5	-	2.70	40
80	6.5	-	5	-	2.30	40
80	10.0	-	5	-	3.70	40
80	12.5	-	5	-	4.70	40
85	6.5	-	4	-	2.50	40
90	6.5	-	4	-	2.70	40
100	7.0	-	4	-	3.20	40
115	8.5	-	4	-	4.30	20
120	8.0	-	3	-	4.40	40
125	8.0	-	3	-	4.70	40
130	8.0	-	3	-	4.80	20
150	9.0	-	3	-	6.20	40
150	10.0	-	3	-	6.80	40
155	10.0	-	3	-	6.80	12
160	10.0	-	3	-	7.20	12
165	10.0	-	3	-	7.20	12
168	8.0	-	3	-	6.10	12
170	10.0	-	3	-	7.40	12
175	10.0	-	3	-	7.60	12
180	10.0	-	3	-	7.80	12
200	10.0	-	3	-	8.60	12
220	10.0	-	3	-	9.50	12
254	10.0	-	2	-	12.00	12
406	10.0	-	2	-	18.10	6
457	10.0	-	2	-	20.60	6

Other sizes available upon request. Above technical data are based on application at room temperature (+20°C).
D'autres dimensions disponibles sur demande. Les données se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

GAS-EXHAUST/G/SD

Made in Italy

APPLICATION
- **Hose to convey cooling water and exhaust gases from marine engines.**
- **Approved by Det Norske Veritas (TA S -3007).**

CONSTRUCTION
TUBE:
- **CR rubber, black, smooth, resistant to sea water and contact with mineral oils.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**

COVER:
- **CR rubber, black, square- corrugated, resistant to abrasion, sea water, sea mist, ozone, weather and contact with mineral oils, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG GAS EXHAUST - SD DNV - TA S-3007.**

TEMPERATURE RANGE
- **From -30°C up to +100°C.**
- **Peaks at +120°C.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'acheminement d'eau de refroidissement et de déchargement de gaz d'échappement des moteurs marins.*
- *Approuvé par le Det Norske Veritas (TA S-3007).*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc CR, résistant à l'eau de mer et au contact avec des huiles minérales. Noir lisse.*

RENFORTS:
- *Textiles synthétiques à haute résistance.*

- *Spirale en acier incorporée.*

REVETEMENT:

- *Caoutchouc CR noir, résistant à l'abrasion, à l'eau de mer, aux embruns, à l'ozone et au contact avec des huiles minérales, nervuré (empreinte toile).*

FACTEUR DE SECURITE

- *≥ 4 fois la pression d'exercice.*

MARCAGE

- *MTG GAS EXHAUST-SD DNV TA S-3007.*

TEMPERATURES

- *De -30°C à +100°C.*
- *Pointes à +120°C.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI

- Tubo per convogliamento di acqua di raffreddamento e scarico di gas combusti dei motori marini.
- Approvato dal Det Norske Veritas (TA S-3007).

COSTRUZIONE

SOTTOSTRATO:

- Gomma CR, resistente all'acqua di mare e al contatto con oli minerali. Nero, liscio.

RINFORZI:

- Tessili sintetici, ad alta resistenza.
- Spirale in acciaio incorporata.

COPERTURA:

- Gomma CR nera, resistente all'abrasione, all'acqua di mare, alla nebbia salina, all'ozono, agli agenti atmosferici e al contatto con gli oli minerali, grecata, impronta tela.

FATTORE DI SICUREZZA

- ≥ 4 volte la pressione di esercizio.

MARCATURA

- MTG GAS EXHAUST-SD DNV TA S-3007.

TEMPERATURE

- Da -30°C a +100°C.
- Punte a +120°C.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
20	5.0	100	10	-0.80	0.54	40
25	5.0	125	8	-0.80	0.64	40
32	5.0	160	6	-0.80	0.79	40
38	5.0	200	5	-0.80	0.99	40
40	5.0	200	5	-0.80	1.05	40
45	5.5	225	5	-0.80	1.15	40
51	5.5	250	5	-0.80	1.30	40
60	5.5	300	4	-0.80	1.70	40
65	5.5	325	4	-0.70	1.83	40
70	5.5	350	4	-0.70	1.95	40
76	6.0	380	4	-0.70	2.30	40
80	6.0	400	4	-0.70	2.40	40
90	6.5	500	3	-0.70	2.90	40
102	7.0	500	3	-0.70	4.00	40
110	7.0	600	3	-0.70	4.40	40
115	7.0	650	3	-0.70	4.55	20
120	7.0	700	3	-0.70	4.70	20
125	7.0	750	3	-0.70	4.90	20
130	8.0	750	3	-0.70	5.60	20
140	8.0	800	3	-0.70	6.10	20
152	9.0	800	3	-0.70	7.30	20

Other sizes available upon request. Above technical data are referring to application at room temperature (+20°C).
D'autres dimensions disponibles sur demande. Les données se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

GAS-EXHAUST/L/SD

Made in Italy

APPLICATION
- **Hose to convey cooling water and exhaust gases from marine engines.**
- **Approved by Det Norske Veritas (TA S-3007).**

CONSTRUCTION
TUBE:
- **CR rubber, black, smooth, resistant to sea water and contact with mineral oils.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**

COVER:
- **CR rubber, black, smooth, resistant to abrasion, sea water, sea mist, ozone, weather and contact with mineral oils, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG GAS EXHAUST- SD - DNV - TA S-3007.**

TEMPERATURE RANGE
- **From -30°C up to +100°C.**
- **Peaks at +120°C.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'acheminement d'eau de refroidissement et de déchargement de gaz d'échappement des moteurs marins.*
- *Approuvé par le Det Norske Veritas (TA S-3007).*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc CR, résistant à l'eau de mer et au contact avec des huiles minérales. Noir lisse.*

RENFORTS:
- *Textiles synthétiques à haute résistance.*
- *Spirale en acier incorporée.*

REVETEMENT:
- *Caoutchouc CR noir, résistant à l'abrasion, à l'eau de mer, aux embruns, à l'ozone et au contact avec des huiles minérales, lisse (empreinte toile).*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG GAS EXHAUST-SD DNV TA S-3007.*

TEMPERATURES
- *De -30°C à +100°C.*
- *Pointes à +120°C.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per convogliamento di acqua di raffreddamento e scarico di gas combusti dei motori marini.
- Approvato dal Det Norske Veritas (TA S-3007).

COSTRUZIONE
SOTTOSTRATO:
- Gomma CR, resistente all'acqua di mare e al contatto con oli minerali. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Spirale in acciaio incorporata.

COPERTURA:
- Gomma CR nera, resistente all'abrasione, all'acqua di mare, alla nebbia salina, all'ozono, agli agenti atmosferici e al contatto con gli oli minerali, liscia, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

MARCATURA
- MTG GAS EXHAUST-SD DNV TA S-3007.

TEMPERATURE
- Da -30°C a +100°C.
- Punte a +120°C.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
20	5.0	100	10	-0.80	0.61	40
25	5.0	125	8	-0.80	0.72	40
30	5.0	150	6	-0.80	0.85	40
32	5.0	160	6	-0.80	0.89	40
35	5.0	175	6	-0.80	0.99	40
38	5.0	200	5	-0.80	1.17	40
40	5.0	200	5	-0.80	1.22	40
42	5.0	210	5	-0.80	1.28	40
45	5.5	225	5	-0.80	1.43	40
51	5.5	250	5	-0.80	1.60	40
60	5.5	350	4	-0.80	1.86	40
65	5.5	380	4	-0.80	2.00	40
70	5.5	420	4	-0.80	2.23	40
76	6.0	450	4	-0.80	2.66	40
80	6.0	480	4	-0.80	2.78	40
90	6.0	540	3	-0.80	3.40	40
102	6.0	600	3	-0.80	3.80	40
110	6.5	650	3	-0.80	4.50	40
115	7.0	690	3	-0.80	5.00	20
120	7.0	720	3	-0.80	5.20	20
125	7.0	750	3	-0.80	5.50	20
130	8.0	780	3	-0.80	6.50	20
140	8.0	840	3	-0.80	7.30	20
152	9.0	900	3	-0.80	8.40	20
203	11.5	1200	3	-0.70	13.50	12

Other sizes available upon request. Above technical data are referring to application at room temperature (+20°C).
D'autres dimensions disponibles sur demande. Les données se réfèrent à des utilisations à une température ambiante de +20°C.
Altre dimensioni disponibili su richiesta. I dati indicati si riferiscono ad impieghi a temperatura ambiente (+20°C).

GAS-EXHAUST/SD

Made in Italy

APPLICATION
- **Hose to convey cooling water and exhaust gases from marine engines.**
- **Approved by Det Norske Veritas (TA S-3007).**

CONSTRUCTION
TUBE:
- **CR rubber, black, smooth, resistant to sea water and contact with mineral oils.**

REINFORCEMENT:
- **High strength plies of synthetic cord.**
- **Embedded steel helix wire.**

COVER:
- **CR rubber, black, corrugated, resistant to sea water, sea mist, weather, ozone and contact with mineral oils, cloth finish.**

SAFETY FACTOR
- **≥ 4 times working pressure.**

MARKING
- **MTG GAS EXHAUST -SD DNV TA S-3007.**

TEMPERATURE RANGE
- **From -30°C up to +100°C.**
- **Peaks at +120°C.**

- **For further information on the chemical resistance, please consult our resistance chart.**

APPLICATIONS
- *Tuyau pour l'acheminement d'eau de refroidissement et de déchargement de gaz d'échappement des moteurs marins.*
- *Approuvé par le Det Norske Veritas (TA S-3007).*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc CR, résistant à l'eau de mer et au contact avec des huiles minérales. Noir lisse.*

RENFORTS:
- *Textiles synthétiques à haute résistance.*
- *Spirale en acier incorporée.*

REVETEMENT:
- *Caoutchouc CR noir, résistant à l'abrasion, à l'eau de mer, aux embruns, à l'ozone et au contact avec des huiles minérales, ondulé (empreinte toile).*

FACTEUR DE SECURITE
- *≥ 4 fois la pression d'exercice.*

MARCAGE
- *MTG GAS EXHAUST-SD DNV TA S-3007.*

TEMPERATURES
- *De -30°C à +100°C.*
- *Pointes à +120°C.*

- *Pour d'autres fluides, consulter le Tableau des Résistances Chimiques MTG.*

APPLICAZIONI
- Tubo per convogliamento di acqua di raffreddamento e scarico di gas combusti dei motori marini.
- Approvato dal Det Norske Veritas (TA S-3007).

COSTRUZIONE
SOTTOSTRATO:
- Gomma CR, resistente all'acqua di mare e al contatto con oli minerali. Nero, liscio.

RINFORZI:
- Tessili sintetici, ad alta resistenza.
- Spirale in acciaio incorporata.

COPERTURA:
- Gomma CR nera, resistente all'acqua di mare, alla nebbia salina, all'ozono, agli agenti atmosferici e al contatto con gli oli minerali, ondulata, impronta tela.

FATTORE DI SICUREZZA
- ≥ 4 volte la pressione di esercizio.

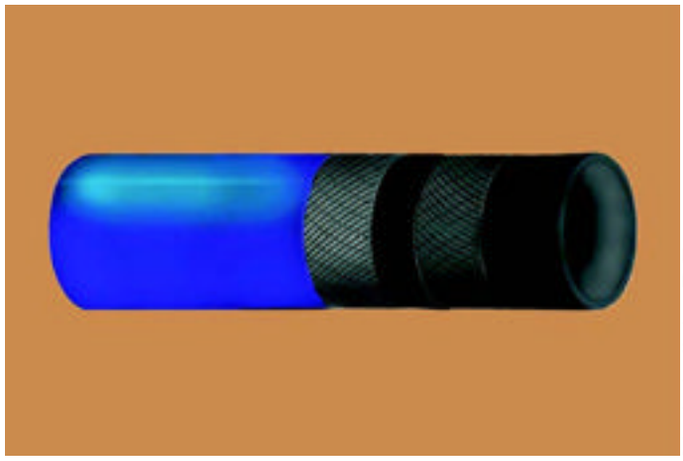
MARCATURA
- MTG GAS EXHAUST-SD DNV TA S-3007.

TEMPERATURE
- Da -30°C a +100°C.
- Punte a +120°C.

- Per altri fluidi, consultare la Tabella delle Resistenze Chimiche MTG.

Steel-mill hoses
Tuyauteries pour aciéries
Tubazioni per acciaierie

CORD/GREY-660



APPLICATION
- **Dielectric rubber hose suitable for the delivery of acid and alkaline solutions in low concentration.**
- **Specifically engineered for applications where electric insulation is required.**
- **Normally used in foundries, glass industries and steel mills, on converters and electrical transformers.**
- **Dielectric strength ≥ 8000 V/mm.**

CONSTRUCTION
TUBE:
- **Synthetic rubber, grey colour, highly impermeable, mirror-like, smooth. (Dielectric strength ≥ 8000 V/mm).**

REINFORCEMENT:
- **High resistance synthetic textile plies.**

COVER:
- **Synthetic dielectric rubber, blue colour, abrasion, ozone and weather resistant, (cloth finish).**

MARKING
- **Upon request.**

TEMPERATURE RANGE
- **From -40°C up to +100°C. Peaks at +120°C.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

FITTINGS
- **Supplied with hose clips, standard collars or other systems required by plant constructors.**

APPLICATION
- *Tuyau diélectrique projeté pour le refoulement d'eau industrielle et de solutions acides alcalines à basse concentration.*
- *Particulièrement indiqué pour des utilisations où l'isolation électrique est requise.*
- *Normalement utilisé dans les fonderies, aciéries, et vitreries, dans les convertisseurs de fréquence et dans les transformateurs électriques.*
- *Rigidité diélectrique ≥ 8000 V/mm.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc synthétique, gris, particulièrement imperméable, spéculaire, lisse. (Rigidité diélectrique ≥ 8000 V/mm).*

RENFORTS:
- *Textiles synthétiques à haute résistance.*

REVETEMENT:
- *Caoutchouc synthétique diélectrique, bleu, résistant à l'abrasion, à l'ozone et aux agents atmosphériques, (empreinte toile).*

MARCAGE
- *Sur demande.*

TEMPERATURES
- *De -40°C à +100°C. Pointes à +120°C.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

RACCORDS
- *À travers bracelets, colliers, pressage ou autres systèmes imposés par les constructeurs d'installations.*

APPLICAZIONI
- Tubo dielettrico progettato per mandata di acqua industriale e soluzioni acide o alcaline a bassa concentrazione.
- Particolarmente indicato per impieghi dove sia richiesto isolamento elettrico.
- Normalmente impiegato nelle fonderie, acciaierie e vetrerie, nei convertitori di frequenza e nei trasformatori elettrici.
- Rigidità dielettrica ≥ 8000 V/mm.

COSTRUZIONE
SOTTOSTRATO:
- Gomma sintetica, grigia, particolarmente impermeabile, speculare, liscio. (Rigidità dielettrica ≥ 8000 V/mm).

RINFORZI:
- Tessili sintetici ad alta resistenza.

COPERTURA:
- Gomma sintetica dielettrica, blu, resistente all'abrasione, all'ozono ed agli agenti atmosferici, (impronta tela).

MARCATURA
- Su richiesta.

TEMPERATURE
- o Da -40°C a +100°C. Punte a +120°C.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

RACCORDATURA
- Mediante fascette, collari, pressatura o altri sistemi imposti dai costruttori di impianti.

DIMENSIONAL TOLERANCES:
- **I.D.: ISO 1307**
- **Length: ISO 1307**
- **Wall thickness: DIN 7715 T4 S2**

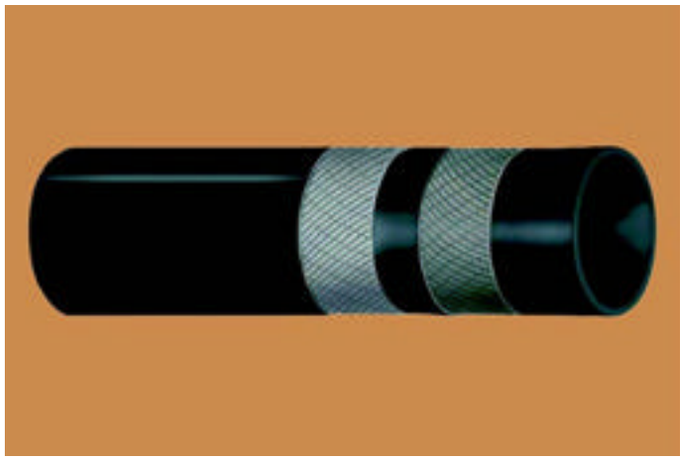
TOLERANCES DIMENSIONNELLES:
- *Diamètre interne: ISO 1307*
- *Longueur: ISO 1307*
- *Épaisseur paroi: DIN 7715 T4 S2*

TOLLERANZE DIMENSIONALI:
- Diametro interno: ISO 1307
- Lunghezza: ISO 1307
- Spessore parete: DIN 7715 T4 S2

Wall thickness *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
8	4,5	15	----	45	0,21	40
10	4,5	15	----	60	0,25	40
12	4,5	15	----	70	0,29	40
13	5.0	15	----	75	0,33	40
14	5.0	15	----	80	0,36	40
15	5.0	15	----	90	0,37	40
18	5.0	15	----	120	0,43	40
19	4.5	15	----	160	0,40	40
19	5.5	15	----	120	0,52	40
20	4,0	15	----	160	0,38	40
20	5,5	15	----	120	0,54	40
25	4.5	15	----	200	0,50	40
25	5.5	15	----	150	0,64	40
28	5,0	15	----	230	0,64	40
28	6,0	15	----	180	0,78	40
30	6,0	15	----	240	0,82	40
32	6,0	15	----	260	0,86	40
35	7,0	15	----	280	1,10	40
40	7,0	15	----	300	1,20	40
45	7,5	15	----	340	1,45	40
50	8,0	15	----	350	1,80	40
60	9,0	15	----	480	2,40	40

Sizes and colours avalaible upon request. Please get in contact with our Sales Department. Above technical data are referring to application at room temperature (20°C).
Pour d'autres diamètres et couleurs disponibles, contacter nos bureaux commerciaux. Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Per diametri e colori disponibili consultare i nostri Uffici Vendite. I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20°C).

MANI-CABLE/10



Made in Italy

APPLICATION
- **Dielectric rubber hose specifically engineered for the protection of coaxial electrical cables.**
- **Normally used on welding machines, spot welders, induction industrial furnaces. (Dielectric strength ≥ 5000 V/mm).**

CONSTRUCTION
TUBE:
- **NR rubber, black colour, abrasion resistant, smooth.**

REINFORCEMENT:
- **High resistance synthetic textile plies.**

COVER:
- **NR rubber, black colour, abrasion and ageing resistant, (cloth finish).**

MARKING
- **Upon demand.**

TEMPERATURE RANGE
- **From -40°C up to +90°C.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

FITTINGS
- **Supplied with hose clips, standard collars or other systems required by plants constructor.**

APPLICATIONS
- *Tuyau diélectrique projeté pour la protection et pour contenir les câbles électriques coaxiaux.*
- *Normalement utilisé sur les soudeuses, les pointeuses industrielles, les fours à inductance. (Rigidité diélectrique ≥ 5000 V/mm).*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc NR, anti-abrasif, lisse.*
- *résistant au vieillissement (empreinte toile).*

RENFORTS:
- *Textiles synthétiques à haute résistance.*

REVETEMENT:
- *Caoutchouc NR, noir, anti-abrasif, résistant au vieillissement (empreinte toile).*

MARCAGE:
- *Sur demande.*

TEMPERATURES
- *De -40°C à +90°C.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

RACCORDS:
- *À travers bracelets, colliers, pressage ou autres systèmes imposés par les constructeurs d'installations.*

APPLICAZIONI
- Tubo dielettrico progettato per protezione e contenimento di cavi elettrici coassiali.
- Normalmente impiegato su saldatrici, puntatrici industriali, forni ad induzione. (Rigidità dielettrica ≥ 5000 V/mm).

COSTRUZIONE
SOTTOSTRATO:
- Gomma NR, nera, antiabrasiva, liscio.

RINFORZI:
- Tessili sintetici ad alta resistenza.

COPERTURA:
- Gomma NR nera, antiabrasiva, resistente all'invecchiamento, (impronta tela).

MARCATURA
- *Su richiesta.*

TEMPERATURE
- Da -40°C a +90°C.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

RACCORDATURA
- Mediante fascette, collari, pressatura o altri sistemi imposti dai construttori di impianti.

DIMENSIONAL TOLERANCES:
- **I.D.: ISO 1307**
- **Length: ISO 1307**
- **Wall thickness: DIN 7715 T4 S2**

TOLERANCES DIMENSIONNELLES:
- *Diamètre interne: ISO 1307*
- *Longueur: ISO 1307*
- *Épaisseur paroi: DIN 7715 T4 S2*

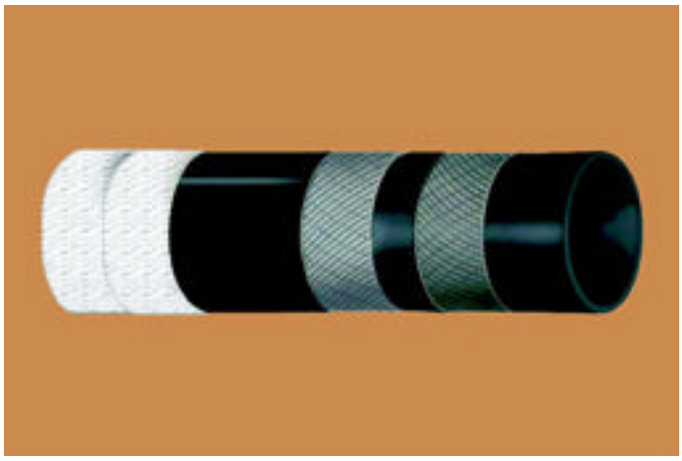
TOLLERANZE DIMENSIONALI:
- Diametro interno: ISO 1307
- Lunghezza: ISO 1307
- Spessore parete: DIN 7715 T4 S2

Torsion: ≤ 6 degrees/metre at a working pressure of ≥ 3 bar.
Above technical data are referring to application at room temperature (20°C).
Sizes and colours avalaible upon request. Please get in contact with our Sales Department.

Torsion: ≤ 6 degrés/mètre avec tuyau sous pression ≥ 3 bar
Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.
Pour d'autres diamètres et couleurs disponibles, contacter nos bureaux commerciaux.

Torsione: ≤ 6 gradi/metro con tubo in pressione ≥ 3 bar
I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20°C).
Per diametri e colori disponibili consultare i nostri Uffici Vendite.

SHANGHAI



Made in Italy

APPLICATION
- **Rubber hose specifically conceived for delivery of cooling water.**
- **Normally used in foundries and in steel mills.**
- **Suitable for flexo-torsion applications up to a maximum value of 6° degrees/metre.**

CONSTRUCTION
TUBE:
- **Synthetic rubber, black colour, smooth.**

REINFORCEMENT:
- **High resistance synthetic textile plies.**

COVER:
- **Synthetic rubber, black colour, covered with vulcanised glass fiber; it withstands accidental splashes of hot material and radiation heat up to +400°C.**

MARKING
- **Upon demand.**

TEMPERATURE RANGE
- **From -30° up to +70°C. Peaks at +90°C.**

SAFETY FACTOR
- **≥ 3 times working pressure.**

FITTINGS
Supplied only in fixed lengths with fittings at both ends.

APPLICATIONS
- *Tuyau projeté pour refoulement d'eau de refroidissement.*
- *Normalement utilisé dans les fonderies et dans les aciéries.*
- *Adapté pour des utilisations avec des sollicitations en flexion et en torsion pour une valeur maximale de 6°/mètre.*

CONSTRUCTION
SOUS-COUCHE:
- *Caoutchouc synthétique, noir lisse.*

RENFORTS:
- *Textiles synthétiques à haute résistance.*

REVETEMENT:
- *Caoutchouc synthétique noir, revêtu de tissu en fibre de verre vulcanisé. Résistant aux éclaboussures accidentelles de matériau incandescent et d'éventuelle chaleur radiante jusqu'à environ 400°C.*

MARCAGE
- *Sur demande.*

TEMPERATURES
- *De -30°C à +70°C. Pointes à +90°C.*

FACTEUR DE SECURITE
- *≥ 3 fois la pression d'exercice.*

RACCORDS
Exclusivement fourni en pièces d'utilisation avec des raccords sur les extrémités.

APPLICAZIONI
- Tubo progettato per mandata di acqua di raffreddamento.
- Normalmente impiegato nelle fonderie e nelle acciaierie.
- Idoneo per impieghi con sollecitazioni in flesso-torsione per un valore massimo di 6°gradi/metro.

COSTRUZIONE
SOTTOSTRATO:
- Gomma sintetica, nera, liscio.

RINFORZI:
- Tessili sintetici ad alta resistenza.

COPERTURA:
- Gomma sintetica nera, rivestita con tessuto in fibra di vetro vulcanizzato. Resistente a spruzzi accidentali di materiale incandescente e da eventuale calore radiante fino a circa 400°C.

MARCATURA
- Su richiesta.

TEMPERATURE
- Da -30°C a +70°C. Punte a +90°C.

FATTORE DI SICUREZZA
- ≥ 3 volte la pressione di esercizio.

RACCORDATURA
Fornito esclusivamente in pezzature d'impiego con raccordi alle estremità.

DIMENSIONAL TOLERANCES:
- **I.D.: ISO 1307**
- **Length: ISO 1307**
- **Wall thickness: DIN 7715 T4 S2**

TOLERANCES DIMENSIONNELLES:
- *Diamètre interne: ISO 1307*
- *Longueur: ISO 1307*
- *Épaisseur paroi: DIN 7715 T4 S2*

TOLLERANZE DIMENSIONALI:
- Diametro interno: ISO 1307
- Lunghezza: ISO 1307
- Spessore parete: DIN 7715 T4 S2

I. D. *Diametre interne* Diametro interno **(mm)**	**Wall thickness** *Epaisseur paroi* Spessore parete **(mm)**	**Bending radius** *Epaisseur paroi* Spessore parete **(mm)**	**Working pressure** *Pression d'exercice* Pressione di esercizio **(bar)**	**Vacuum** *Vide* Sottovuoto **(bar)**	**Mass** *Masse* Massa **(kg/m)**	**Length max** *Longueur max.* Lungh. max. **(m)**
100	12.5	500	10	---	4.80	20
125	12.5	625	10	---	6.10	20
150	14.0	750	10	---	7.70	20
200	18.0	1000	10	---	13.6	20

In order to calculate the total torsion, please consider the nominal length of the hose inferior to 2 m. Other sizes and colours avalaible on request. Please get in contact with our Sales Department. Above technical data are referring to application at room temperature (20°C).

Pour le calcul de la torsion totale, considérer la longueur nominale du tuyau inférieure à 2 m.
Pour d'autres diamètres et couleurs disponibles, contacter nos bureaux commerciaux.
Les données techniques mentionnées ci-dessus se réfèrent à des utilisations à une température ambiante de +20°C.

Per il calcolo della torsione totale, considerare la lunghezza nominale del tubo inferiore a 2 m.
Per altri diametri e colori disponibili consultare i nostri Uffici Vendite. I dati tecnici sopra menzionati si riferiscono ad applicazione a temperatura ambiente (20°C).

WATER AND INERT FLUIDS
EAU ET FLUIDES INERTES
ACQUA E FLUIDI INERTI

ISEO / 10

Made in Italy

Discharge hose P.E. 10 BAR - in smooth black SBR
Temperature: -30°C +70°C

Tuyau refoulement P.E. 10 BAR - En SBR noir lisse
Température: -30°C +70°C

Tubo mandata P.E. 10 BAR - in SBR nero liscio
Temperatura: -30°C +70°C

Ø mm
8 x 15
10 x 17
12 x 17
13 x 19
15 x 21
16 x 23
19 x 26
20 x 30
22 x 30
25 x 33
25 x 35

SPIRALWATER / 10

Made in Italy

Suction and discharge hose P.E. 10 BAR - in smooth black SBR - with steel coil embedded in hose wall con spirale acciaio annegata nella parete
Temperature: -30°C +60°C

Tuyau aspiration et refoulement P.E. 10 BAR - in SBR en SBR noir, lisse - avec spirale acier noyée dans la paroi.
Température: -30°C +60°C

Tubo aspirazione e mandata P.E. 10 BAR - in SBR nero liscio - con spirale acciaio annegata nella parete
Température: -30°C +60°C

Ø mm
25 x 35
30 x 40
35 x 46
40 x 51
45 x 56
50 x 62
60 x 73
70 x 85
80 x 95
100 x 116
120 x 137
150 x 171

COMPRESSED AIR
AIR COMPRIME
ARIA COMPRESSA

ISEO / 20

Made in Italy

Discharge hose P.E. 20 BAR - in smooth black SBR
Temperature: -30°C +70°C

Tuyau refoulement P.E. 20 BAR - en SBR noir lisse
Température: -30°C +70°C

Tubo mandata P.E. 20 BAR - in SBR nero liscio
Temperatura: -30°C +70°C

Ø mm
6 x 14
7 x 16
8 x 17
10 x 19
13 x 23
16 x 26
19 x 30
25 x 37

FUELS AND LUBRICANTS
CARBURANTS ET LUBRIFIANTS
CARBURANTI E LUBRIFICANTI

HYDRO'K

Made in Italy

Multi-purpose hose for gasoline, fuel and other petrochemical products (aromatic content up to 50%). P.E. 16 e 20 BAR
Temperature: -30°C +80°C

Tuyau polyvalent pour essence, carburant et autres produits chimiques pétroliers (avec teneur aromatique jusqu'à 50%). P.E 16 et 20 BAR
Température: -30°C +80°C

Tubo polivalente per benzina, carburante ed altri prodotti petrolchimici (con tenore aromatico fino 50%). P.E. 16 e 20 BAR
Temperatura: -30°C +80°C

Ø mm
5 x 11,5
6 x 13
8 x 15
10 x 17
13 x 20,5
15 x 23
19 x 27,4
25 x 35

HOT FLUIDS AND STEAM
FLUIDES CHAUDS ET VAPEUR
FLUIDI CALDI E VAPORE

RADIATOR / 3 352 AA

Made in Italy

Discharge hose for aqueous heat-transmitting and antifreeze liquids P.E. 3 BAR - synthetic rubber.
Temperature: -40°C +100°C

Tuyau refoulement liquides thermophores aqueux et antigel P.E. 3 BAR - en caoutchouc synthétique
Température: -40°C +100°C

Tubo mandata di liquidi termofori acquosi e antigelo P.E. 3 BAR - in gomma sintetica.
Température: -40°C +100°C

Ø mm
20 x 26
22 x 28
25 x 32
28 x 36
30 x 38
32 x 40
35 x 43
38 x 47
40 x 49
42 x 51
45 x 54
50 x 60
55 x 65
60 x 70
65 x 75
70 x 81
75 x 85
80 x 92
90 x 102
100 x 113

HOT WATER / 10 351 AA

Made in Italy

Discharge hose for hot water and non-corrosive liquids - P.E. 10 BAR - synthetic rubber.
Temperature: -40°C +120°C

Tuyau refoulement eau chaude et liquides non corrosifs- P.E. 10 BAR en caoutchouc synthétique.
Température: -40°C +120°C

Tubo mandata di acqua calda e liquidi non corrosivi - P.E. 10 BAR in gomma sintetica.
Température: -40°C +120°C

Ø mm
12 x 22
15 x 25
20 x 30
25 x 35
30 x 41
35 x 48
40 x 54
50 x 68
60 x 82

CALORSTEAM / 7 350 AA

Made in Italy

Hose for saturated steam flow, suitable for sterilization, cleaning and other industrial services - P.E. 7 BAR - synthetic rubber.
Temperature: -40°C +170°C

Tuyau refoulement de vapeur saturée, pour stérilisations, opérations de nettoyage et divers services dans les industries - P.E. 7 BAR - en caoutchouc synthétique.
Température: -40°C +170°C

Tubo passaggio di vapore saturo, per sterilizzazioni, operazioni di pulizia e servizi vari nelle industrie - P.E. 7 BAR - in gomma sintetica.
Température: -40°C +170°C

Ø mm
12 x 23
15 x 26
19 x 31
25 x 37
30 x 45
40 x 56
50 x 67

EN 853 1SN - DIN 20022 - exceeds SAE 100 R1AT D01N
EN 853 1SN - DIN 20022 - exceeds SAE 100 R1AT D01N
EN 853 1SN - DIN 20022 - exceeds SAE 100 R1AT D01N

Internal hose: Oil resistant synthetic rubber.
Reinforcement: 1 steeel wire braid.
External covering: Synthetic rubber, resistant to oils, fuels and atmospheric conditions.
Operating temperature range: -40°C to +100°C

Tuyau interne: caoutchouc synthétique résistant aux huiles.
Renfort: 1 tresse acier.
Revêtement externe: caoutchouc synthétique résistant aux huiles, carburants et agents atmosphériques.
Température d'exercice: -40°C +100°C

Tubo interno: Gomma sintetica resistente agli olii.
Rinforzo: 1 treccia acciaio.
Copertura esterna: Gomma sintetica resistente agli olii, carburanti ed agenti atmosferici.
Temperatura di esercizio: -40°C +100°C

ID		Size *Dimensions* Dimensioni	OD	Max WP		Min BP		Min BR		Weight *Poids* Peso (approx)	
in	mm		mm	bar	psi	bar	psi	mm	inch	Kg/m	lb/ft
3/16”	4,8	03	11,8	250	3625	1000	14500	90	3,543	0,186	0,125
1/4”	6,4	04	13,4	225	3263	900	13050	100	3,937	0226	0,152
5/16”	8,0	05	15,0	215	3318	850	12325	115	4,528	0,265	0,178
3/8”	9,5	06	17,4	180	2610	720	10440	130	5,118	0,335	0,225
1/2”	12,7	08	20,6	160	2320	640	9280	180	7,087	0,415	0,279
5/8”	16,0	10	23,7	130	1885	520	7540	200	7,874	0,496	0,333
3/4”	19,0	12	27,7	105	1523	420	6090	240	9,449	0,638	0,429
1”	25,4	16	35,6	88	1276	350	5075	300	11,811	0,980	0,659
1.1/4”	31,8	20	43,5	63	914	250	3625	420	16,535	1,207	0,811
1.1/2”	38,1	24	50,6	50	725	200	2900	500	19,685	1,560	1,048
2”	50,8	32	64,0	40	580	160	2320	360	24,803	2,108	1,417

EN 853 2SN - DIN 20022 - exceed SAE 100 R2AT D02N
EN 853 2SN - DIN 20022 - exceed SAE 100 R2AT D02N
EN 853 2SN - DIN 20022 - exceed SAE 100 R2AT D02N

Internal hose: Oil resistant synthetic rubber.
Reinforcement: 2 steeel wire braids.
External covering: Synthetic rubber, resistant to oils, fuels and atmospheric conditions.
Operating temperature range: -40°C to +100°C

Tuyau interne: caoutchouc synthétique résistant aux huiles.
Renforts: 2 tresses en acier.
Revêtement externe: caoutchouc synthétique résistant aux huiles, carburants et agents atmosphériques.
Température d'exercice: -40°C +100°C

Tubo interno: Gomma sintetica resistente agli olii.
Rinforzo: 2 trecce acciaio.
Copertura esterna: Gomma sintetica resistente agli olii, carburanti ed agenti atmosferici.
Temperatura di esercizio: -40°C +100°C

ID		Size *Dimensions* Dimensioni	OD	Max WP		Min BP		Min BR		Weight *Poids* Peso (approx)	
in	mm		mm	bar	psi	bar	psi	mm	inch	Kg/m	lb/ft
3/16”	4,8	03	13,4	415	6018	1650	23925	90	3,543	0,289	0,194
1/4”	6,4	04	15,0	400	5800	1600	23200	100	3,937	0,376	0,253
5/16”	8,0	05	16,6	350	5075	1400	20300	115	4,528	0,412	0,277
3/8”	9,5	06	19,0	330	4785	1320	19140	130	5,118	0,519	0,349
1/2”	12,7	08	22,2	275	3988	1100	15950	180	7,087	0,630	0,423
5/8”	16,0	10	25,4	250	3625	1000	14500	200	7,874	0,780	0,524
3/4”	19,0	12	29,3	215	3118	850	12325	240	9,449	0,959	0,644
1”	25,4	16	38,1	165	2393	650	9425	300	11,811	1,409	0,947
1.1/4”	31,8	20	48,3	125	1813	500	7250	420	16,535	2,059	1,384
1.1/2”	38,1	24	54,6	90	1305	360	5220	500	19,685	2,385	1,603
2”	50,8	32	67,3	80	1160	320	4640	630	24,803	3,050	2,050

EN 856 4SP (DIN 20023-4SP) **BR760**
EN 856 4SP (DIN 20023-4SP) *BR760*
EN 856 4SP (DIN 20023-4SP) BR760

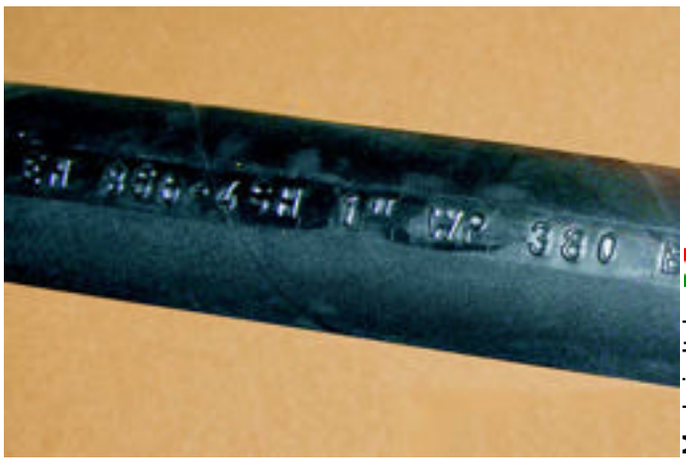
Internal hose: Oil resistant synthetic rubber.
Reinforcement: 4 steeel wire braids.
External covering: Synthetic rubber, resistant to oils, fuels and atmospheric conditions.
Operating temperature range: -40°C to +100°C

Tuyau interne: caoutchouc synthétique résistant aux huiles.
Renforts: 4 spirales en acier.
Revêtement externe: caoutchouc synthétique résistant aux huiles, carburants et agents atmosphériques.
Température d'exercice: -40°C +100°C

Tubo interno: Gomma sintetica resistente agli olii.
Rinforzo: 4 spirali in acciaio.
Copertura esterna: Gomma sintetica resistente agli olii, carburanti ed agenti atmosferici.
Temperatura di esercizio: -40°C +100°C

ID		Size *Dimensions* Dimensioni	OD	Max WP		Min BP		Min BR		Weight *Poids* Peso (approx)	
in	mm		mm	ber	psi	bar	psi	mm	inch	Kg/m	lb/ft
1/4”	6,4	04	17,8	450	6525	1800	26100	150	5,906	0,615	0,413
3/8”	9,5	06	21,4	445	6453	1780	25810	180	7,087	0,850	0,571
1/2”	12,7	08	24,6	415	6018	1660	24070	230	9,055	0,935	0,628
5/8”	16,0	10	28,5	350	5075	1400	20300	250	9,843	1,146	0,770
3/4”	19,0	12	32,1	350	5075	1400	20300	300	11,811	1,554	1,044
1”	25,4	16	39,7	280	4060	1120	16240	340	13,386	2,033	1,366
1.1/4!	31,8	20	50,8	210	3045	840	12180	460	18,110	3,176	2,134
1.1/2”	38,1	24	57,1	172	2494	688	9976	460	22,047	3,657	2,458
2”	50,8	32	70,6	172	2494	688	9976	660	25,984	5,137	3,452

EN 856 4SH (DIN 20023-4SH)
EN 856 4SH (DIN 20023-4SH)
EN 856 4SH (DIN 20023-4SH)



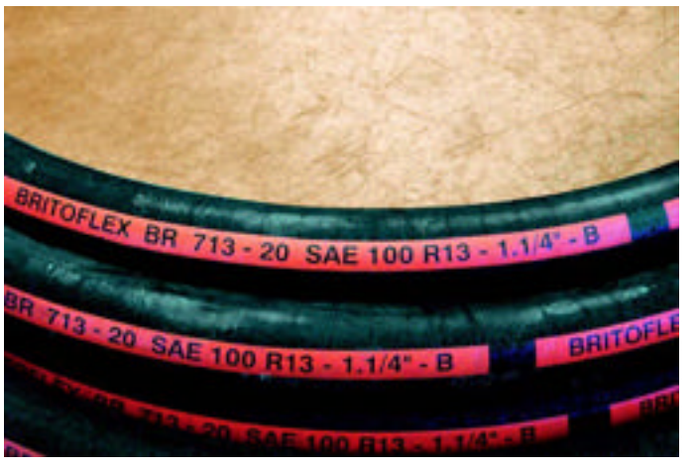
Internal hose: Oil resistant synthetic rubber.
Reinforcement: 4 steeel wire braids.
External covering: Synthetic rubber, resistant to oils, fuels and atmospheric conditions.
Operating temperature range: -40°C to +100°C

Tuyau interne: caoutchouc synthétique résistant aux huiles.
Renforts: 4 spirales en acier.
Revêtement externe: caoutchouc synthétique résistant aux huiles, carburants et agents atmosphériques.
Température d'exercice: -40°C +100°C

Tubo interno: Gomma sintetica resistente agli olii.
Rinforzo: 4 spirali in acciaio.
Copertura esterna: Gomma sintetica resistente agli olii, carburanti ed agenti atmosferici.
Temperatura di esercizio: -40°C +100°C

ID		**Size** *Dimensions* Dimensioni	**OD**	**Max WP**		**Min BP**		**Min BR**		**Weight** *Poids* Peso **(approx)**	
in	**mm**		**mm**	**bar**	**psi**	**bar**	**psi**	**mm**	**inch**	**Kg/m**	**lb/ft**
3/4”	19,0	12	32,2	420	6090	1680	24360	280	11,024	1,556	1,046
1”	25,4	16	38,7	380	5510	1520	22040	340	13,386	2,087	1,402
1.1/4”	31,8	20	45,5	325	4713	1300	18850	460	18,110	2,571	1,728
1.1/2”	38,1	24	53,5	290	4205	1160	16820	560	22,047	3,439	2,311
2”	50,8	32	68,1	250	3625	1000	14500	700	27,559	4,903	3,295

EN 856 SAE 100 R13
EN 856 SAE 100 R13
EN 856 SAE 100 R13



Internal hose: Oil resistant synthetic rubber.
Rinforcement: 4-6 high tensile steeel wire braids.
External covering: Synthetic rubber, resistant to oils, fuels and atmospheric conditions.
Operating temperature range: -40°C to +100°C

Tuyau interne: caoutchouc synthétique résistant aux huiles.
Renforts: 4-6 spirales en acier.
Revêtement externe: caoutchouc synthétique résistant aux huiles, carburants et agents atmosphériques.
Température d'exercice: -40°C +100°C

Tubo interno: Gomma sintetica resistente agli olii.
Rinforzo: 4-6 spirali acciaio alla resistenza.
Copertura esterna: Gomma sintetica resistente agli olii, carburanti ed agenti atmosferici.
Temperatura di esercizio: -40°C +100°C

ID		**Size** *Dimensions* Dimensioni	OD	Max WP		Min BP		Min BR		**Weight** *Poids* Peso **(approx)**	
in	**mm**		**mm**	**ber**	**psi**	**bar**	**psi**	**mm**	**inch**	**Kg/m**	**lb/ft**
3/4”	19,0	12	32,2	345	5003	1380	20010	240	9,449	1,650	1,109
1”	25,4	16	39,2	345	5003	1380	20010	300	11,811	2,259	1,518
1.1/4”	31,8	20	50,4	345	5003	1380	20010	419	16,496	3,895	2,617
1.1/2”	38,1	24	57,9	345	5003	1380	20010	508	20,000	4,956	3,330
2”	50,8	32	71,9	345	5003	1380	20010	635	25,000	7,087	4,762

SAE 100 R15
SAE 100 R15
SAE 100 R15

Internal hose: Oil resistant synthetic rubber.
Reinforcement: 4-6 high tensile steeel wire braids.
External covering: Synthetic rubber, resistant to oils, fuels and atmospheric conditions.
Operating temperature range: -40°C to +100°C

Tuyau interne: caoutchouc synthétique résistant aux huiles.
Renforts: 4-6 spirales en acier.
Revêtement externe: caoutchouc synthétique résistant aux huiles, carburants et agents atmosphériques.
Température d'exercice: -40°C +100°C

Tubo interno: Gomma sintetica resistente agli olii.
Rinforzo: 4-6 spirali acciaio alla resistenza.
Copertura esterna: Gomma sintetica resistente agli olii, carburanti ed agenti atmosferici.
Temperatura di esercizio: -40°C +100°C

ID		Size *Dimensions* Dimensioni	OD	Max WP		Min BP		Min BR		Weight *Poids* Peso (approx)	
in	mm		mm	bar	psi	bar	psi	mm	inch	Kg/m	lb/ft
3/4”	19,0	12	32,2	420	6090	1655	23998	267	10,512	1,556	1,046
1”	25,4	16	38,7	420	6090	1655	23998	330	12,992	2,100	1,411
1.1/4”	31,8	20	50,4	420	6090	1655	23998	445	17,520	3,650	2,453
1.1/2”	38,1	24	57,9	420	6090	1655	23998	533	20,984	5,000	3,360

EN854 SAE 100 R6
EN854 SAE 100 R6
EN854 SAE 100 R6

Internal hose: Oil resistant synthetic rubber.
Reinforcement: 1 textile braid
External covering: Synthetic rubber, resistant to oils, fuels and atmospheric conditions.
Operating temperature range: -40°C to +100°C

Tuyau interne: caoutchouc synthétique résistant aux huiles.
Renforts: 1 tresse textile.
Revêtement externe: caoutchouc synthétique résistant aux huiles, carburants et agents atmosphériques.
Température d'exercice: -40°C +100°C

Tubo interno: Gomma sintetica resistente agli olii.
Rinforzo: 1 treccia tessile.
Copertura esterna: Gomma sintetica resistente agli olii, carburanti ed agenti atmosferici.
Temperatura di esercizio: -40°C +100°C

ID		Size *Dimensions* Dimensioni	OD	Max WP		Min BP		Min BR		Weight *Poids* Peso (approx)	
in	mm		mm	bar	psi	bar	psi	mm	inch	Kg/m	lb/ft
3/16”	4,8	03	11,1	34	493	138	2001	51	2,008	0,100	0,067
1/4”	6,4	04	12,7	28	406	110	1595	64	2,520	0,122	0,082
5/16”	8,0	05	14,3	28	406	110	1595	76	2,992	0,146	0,098
3/8”	9,5	06	15,9	28	406	110	1595	76	2,992	0,164	0,110
1/2”	12,7	08	19,8	28	406	110	1595	102	4,016	0,238	0,160
5/8”	16,0	10	23,0	24	348	97	1407	127	5,000	0,280	0,188
3/4”	19,0	12	26,6	21	305	83	1204	152	5,984	0,340	0,228
1” **	25,4	16	32,8	18	261	75	1088	140	5,512	0,465	0,312

**** not included in SAE standard**
*** non compris dans le standard SAE*
** non compreso nello standard SAE

EN855 - SAE 100 R7
EN855 - SAE 100 R7
EN855 - SAE 100 R7

Application:
Construction and agricultural equipment - Agricultural brake systems - Forklift Trucks - Articulating and telescopic booms - Aerial platforms - Scissor lifts - Cranes - General hydraulics - Industrial gases (check for compatibility)
Internal hose: Polyester elastomer
Reinforcement: One or two braids of synthetic fiber
External covering: Polyurethane, black, pinpricked, white link-jet branding

Recommended fluid:
Hydraulic fluid petroleum based, glicol-water based, lubrificant.
Operating temperature range:
from -40 to +100°C continuous; applicable spaces: Exceed SAE 100 R7 +70°C for water based fluids

Applications:
Machines agricoles et de mouvement au sol - Installations freinantes pour machines agricoles et de mouvements au sol - Chariot de levage - Bras télescopiques et articulés - Plateformes aériennes - Elévateurs à ciseaux - Grues - Applications oléodynamiques diverses - Gaz industriels (vérifier la compatibilité).
Tuyau interne: Elastomer polyester
Renfort: une - deux tresses en fibre synthétique.
Revêtement externe: Polyuréthane, noir, micro troué, marquage ink jet blanc.

Fluides recommandés:
Fluides hydrauliques dérivés du pétrole, émulsions eau-glycol, lubrifiants.
Température d'exercice:
De -40° à +100°C continu; applications spécifiques: Exceed SAE 100 R7 +70°C pour fluides aqueux.

Applicazioni:
Macchine agricole e movimento terra - Impianti frenanti per macchine agricole e movimento terra - Carrelli elevatori - Bracci telescopici ed articolati - Piattaforme aeree - Elevatori a forbice - Gru - Applicazioni oleodinamiche varie - Gas industriali (verificare la compatibilità).
Tubo interno: Elastomero poliestere
Rinforzo: Una - due trecce in fibra sintetica.
Copertura esterna: Poliuretano, nero, microforatura, marcatura ink-jet bianca.

Fluidi raccomandati:
Fluidi idraulici derivati dal petrolio, emulsioni acqua-glicole, lubrificanti.
Temperatura di esercizio:
da -40 a +100°C continuo; specifiche applicazioni: SAE 100 R7 +70°C per fluidi acquosi

ID		**Size** *Dimensions* Dimensioni	**OD**	**Max WP**		**Min BP**		**Min BR**		**Weight** *Poids* Peso **(approx)**	
in	**mm**		**mm**	**bar**	**psi**	**bar**	**psi**	**mm**	**inch**	**Kg/m**	**lb/ft**
1/8”	4,0	02	8,3	210	3045	840	12180	25	0,984	0,050	0,034
3/16”	5,0	03	9,6	210	3045	840	12180	25	0,984	0,060	0,040
1/4”	6,5	04	12,2	210	3045	840	12180	35	1,378	0,100	0,067
5/16”	8,1	05	14,3	190	2755	760	11020	45	1,772	0,130	0,087
3/8”	9,7	06	16,0	160	2320	640	9280	55	2,165	0,150	0,101
1/2”	13,0	08	20,3	140	2030	560	8120	75	2,953	0,220	0,148
5/8”	16,3	10	23,7	105	1523	420	6090	110	4,331	0,280	0,188
3/4”	19,5	12	27,1	90	1305	360	5220	140	5,512	0,335	0,225
1”	25,9	16	34,0	70	1015	280	4060	190	7,480	0,455	0,306

One high tensile steel wire braid 57A

1 tresse en acier à haute résistance 57A
1 treccia acciaio alta resistenza 57A

Application:
General hydraulic applications requiring additional mechanical protection: construction and agricultural equipment, agricultural brake systems, hoising and handling equipments, industrial machines, also suitable for industrial gas applications (check for compatibility)
Internal hose: Polyester elastomer
Reinforcement: One braid of steel wire
External covering: Polyurethane, black, pinpricked, white link-jet branding

Recommended fluid:
Hydraulic fluid petroleum based, glicol-water based, lubrificant.
Operating temperature range:
from -40 to +100°C continuous; applicable spaces: DIN EN853 1ST +70°C for water based fluids

Applications:
Applications oléodynamiques demandant une protection supérieure - Machines agricoles et de mouvement au sol - Installations freinantes pour machines agricoles et de mouvements au sol - Machines industrielles - Gaz industriels (vérifier la compatibilité).
Tuyau interne: Elastomer polyester
Renfort: une tresse en acier.
Revêtement externe: Polyuréthane, noir, micro troué, marquage ink jet blanc.

Fluides recommandés:
Fluides hydrauliques dérivés du pétrole, émulsions eau-glycol, lubrifiants.
Température d'exercice:
De -40° à +100°C continu; spécifiques applicables: conforme à la DIN EN853 1ST +70°C pour fluides aqueux.

Applicazioni:
Applicazioni oleodinamiche che richiedono una protezione meccanica superiore - Macchine agricole e movimento terra - Impianti frenanti per macchine agricole e movimento terra - Macchine industriali - Gas industriali (verificare la compatibilità).
Tubo interno: Elastomero poliestere
Rinforzo: Una treccia in acciaio.
Copertura esterna: Poliuretano, nero, microforatura, marcatura ink-jet bianca.

Fluidi raccomandati:
Fluidi idraulici derivati dal petrolio, emulsioni acqua-glicole, lubrificanti.
Temperatura di esercizio:
da -40 a +100°C continuo; specifiche applicabili: conforme a DIN EN 853 1ST +70°C per fluidi acquosi

ID		**Size** *Dimensions* Dimensioni	**OD**	**Max WP**		**Min BP**		**Min BR**		**Weight** *Poids* Peso **(approx)**	
in	**mm**		**mm**	**bar**	**psi**	**bar**	**psi**	**mm**	**inch**	**Kg/m**	**lb/ft**
3/16”	5,0	03	9,7	360	5220	1440	20880	30	1,181	0,120	0,081
1/4”	6,4	04	11,6	310	4495	1240	17980	40	1,575	0,155	0,104
5/16”	8,1	05	13,2	250	3625	1000	14500	55	2,165	0,190	0,128
3/8”	9,8	06	15,5	225	3263	900	13050	65	2,559	0,235	0,158
1/2”	13,0	08	18,8	190	2755	760	11020	85	3,346	0,300	0,202
5/8”	16,3	10	22,0	140	2030	560	8120	115	4,528	0,335	0,225
3/4”	19,5	12	25,8	115	1668	460	6670	145	5,709	0,445	0,299
1”	25,8	16	33,0	95	1378	380	5510	180	7,087	0,620	0,417

P.T.F.E. flexible hose type W1

Tuyau PTFE Type W1

Tubo P.T.F.E. tipo W1

Internal hose: Smooth P.T.F.E. small wall.
External covering: One high tensile stainless steel AISI 304 wire braids.
Operating temperature range: from -70°C to +260°C
Applicable spaces: SAE 100 R14

Tuyau interne: PTFE lisse petite épaisseur.
Revêtement externe: 1 tresse en acier inox AISI 304 à haute résistance.
Température d'exercice: de -70°C à +260°C
Spécifiques applicables: SAE 100 R14

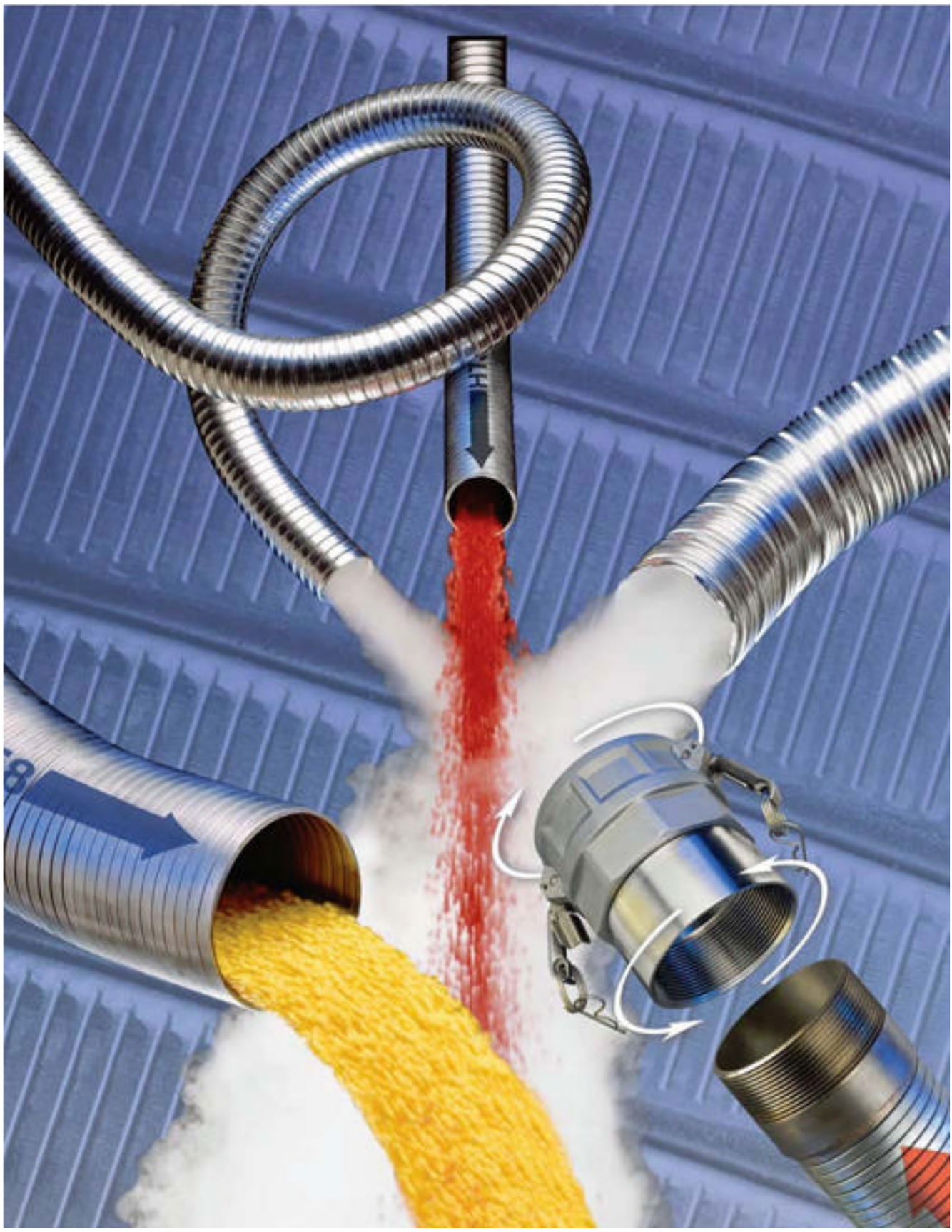
Tubo interno: P.T.F.E. liscio spessore piccolo.
Copertura esterna: 1 treccia in acciaio inox AISI 304 ad alta resistenza.
Temperatura di esercizio: da -70°C a +260°C
Specifiche applicabili: SAE 100 R14

ID		**∅ Int Mim**	**Spess. Min. Parete** *Épaisseur min. paroi* Spess. Min. Parete	**∅ Est Max**	**Max WP**		**Min BR**		**Weight** *Poids* Peso **(approx)**	
in	**mm**	**mm**	**mm**	**mm**	**bar (*)**	**psi**	**mm**	**inch**	**Kg/m**	**lb/ft**
3/16”	5,0	4,4	0,7	7,5	265	3843	40	1,575	80	0,05376
1/4”	6,5	6	0,7	9,0	240	3480	60	2,362	93	0,06250
5/16”	8,0	7,5	0,7	11,0	200	2900	70	2,756	110	0,07392
3/8”	9,5	9,1	0,7	12,0	190	2755	80	3,150	124	0,08333
13/32”	10,5	10	0,7	13,0	160	2320	90	3,543	161	0,10819
1/2”	13,0	12	0,7	16,0	150	2175	110	4,331	207	0,13910
5/8”	16,0	15	0,7	19,0	110	1595	150	5,906	255	0,17136
3/4”	19,0	18	0,8	22,5	80	1160	200	7,874	315	0,21168
7/8”	22,0	21,5	0,8	26,0	70	1015	230	9,055	400	0,26880
1”	25,0	24	0,8	29,0	55	798	300	11,811	430	0,28896
1.1/8”	28,5	28	1	33,0	40	580	350	13,780	600	0,40320

(*) - The maximum working pressure is calculated on the basis of 3:1 relative to the burst pressure. For assembled hoses the maximum working pressure is calculated with a safety factor 4:1 relative to the burst pressure. For temperature over 130°C, please contact our technical departement.
(*) - Pression d'exercise calculée avec coeff. 3:1. Pour les tuyaux raccordés, il est conseillé de calculer la pression maximale d'exercice avec un coefficient de sécurité 4:1 par rapport à la pression d'éclat. Outre 130°C, contacter notre bureau technique
(*) - Pressione d’esercizio calcolata con coeff. 3:1. Per i tubi raccordati è consigliabile calcolare la pressione massima di esercizio con coefficiente di sicurezza 4:1 rispetto a quella di scoppio. Oltre i 130°C contattare il ns. U.T.

mori s.p.a.

METAL HOSE PRODUCTS



Application Guide

WHY METAL HOSE?

- **Abrasion Resistant** - high durability, better wear than plastic or rubber hoses.
- **Temperature Extremes** - very high temp range for media going through hose or environment hose is in (atmospheric).
- **Chemical Compatibility** - metal hose can handle a wide range of very aggressive chemicals.
- **Protection** - used as protective armor, bend restrictor, blow-out or hot splash protection.

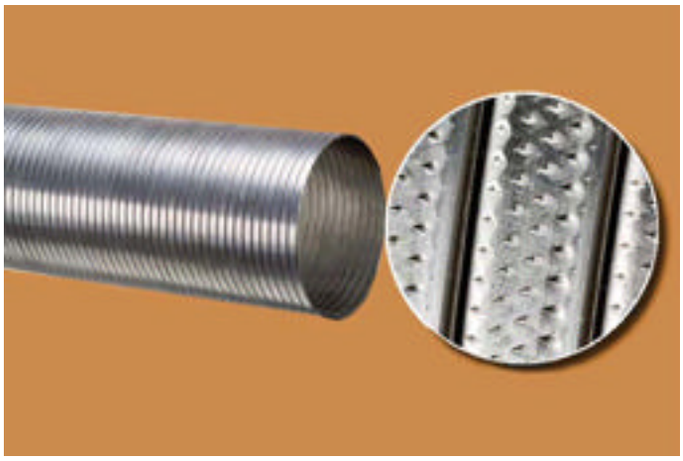
Application	HT1100	HT3000	HT4000	RIDGELINE™	HT5000	GEM♦FLEX™
Shielding for wiring	X					
Protective armor	X		X	X		
Fume hood exhaust		X	X	X		
Industrial dryer vents		X	X	X		
Oven/Kiln exhaust		X	X	X		
Garage fume exhaust collection		X	X	X		
Air intake supply		X	X	X		
Temporary spot air conditioning ducts		X	X	X		
Dust/fume collection		X	X	X		
Hot air ducting		X	X	X		
Engine exhaust			X	X		
Hot air blower/suction			X	X		
Fly ash removal			X	X		
Blowout protection			X	X		
Steam hose protection	X		X	X		
Liner for corrugated/braided assemblies			X	X		
Pneumatic dry bulk unloading (plastic pellets, grain)			X	X	X	X
hot material transfer			X	X	X	X
Bulk unloading of highly abrasive materials			X	X	X	X

CAUTION

NOTE: this application guide provides information on typical flexible metal hose applications. Actual results may vary due to variances in the operating conditions involving temperature, chemical resistance, abrasiveness of the material being handled, working pressure, handling requirements, etc.

NOTE: for questions regarding chemical resistance please call Hose Technology at 1-800-878-5501.

GEM♦FLEX - Torque-Resistant Hose



Made in America

Introducing in the New GEM♦FLEX™ "Torque-Resistant! Hose

"When you see the diamond, you'll know it's the GEM♦FLEX™ Hose by Tec®."

Our unique hose design and manufacturing process offers the highest resistance to torque pressures - helps keep the hose from twisting out of shape. Gem♦Flex can also be field cut without the hose opening and unwinding. Look for the ♦ diamond shaped identifier on the outside of the hose.

Construction: Rough Bore (Unlined)

- A single metal strip is formed to create a flexible interlocked metal hose that offers maximum flexibility and strength, as well as superior service life.
- Available in galvanized steel and series 300 stainless steel with a strip thickness of .017" to .020", equal to 4200 series hose.

Rough Bore (Unlined)

Construction: Smooth Bore (Lined)

- An armor strip is combined with a strip of liner material and formed to create a lined flexible interlocked metal hose that offers superior strength and abrasion-resistance.
- Available in galvanized and series 300 stainless steel with strip thicknesses of: series 5150 (.015" Armor/.015" liner) series 5180 (.018" Armor/.015" Liner).

Smooth Bore (Lined)

Features:

- Extends hose service life.
- Resists torque pressures (damage by hose twisting).
- Hose will not unwind when field cut.
- Available in I.D. sizes 3" through 12".
- Greater seal-ability than standard packed hoses.
- Same bend radius as standard Lined and Unlined hoses.

Applications:

- Pneumatic dry bulk unloading of grains, pellets, powders and dry chemicals.
- Ideal hose for general bulk unloading applications.
- Transfer of hot materials (not for hot tar or asphalt).
- Bulk unloading of highly abrasive materials.
- Plastic pellet transfer.

Maximum Service Temperature:

- Galvanized steel: up to 750°F;
  series 300 stainless steel: up to 1500°F

For questions regarding other stainless steel material options please call hose technology at 1-800-878-5501.

SPECIFICATIONS
(Werghts & bend diameters are based on extended hose and are approximate)

GEM♦FLEX™ "Torque-Resistant" Rough Bore (Unlined) Hose

Part Number	I.D.	Series	Material	Length	Min. Inside Bend Dia. (Inches)	Mass per foot (lbs.)
DG203X25	3"	4200	Galv	25'	22.0	2.0
DG204X25	4"	4200	Galv	25'	29.0	2.6
DG205X25	5"	4200	Galv	25'	34.0	3.0
DG206X25	6"	4200	Galv	25'	44.0	3.6
DG207X25	7"	4200	Galv	25'	50.0	4.2
DG208X25	8"	4200	Galv	25'	56.0	4.7
DG2010X25	10"	4200	Galv	25'	65.0	5.9
DG2012X25	12"	4200	Galv	25'	76.0	7.0

GEM♦FLEX™ "Torque-Resistant" Rough Bore (Unlined) Hose

Part Number	I.D.	Series	Material	Length	Min. Inside Bend Dia. (Inches)	Mass per foot (lbs.)
DS203X25	3"	4200	SS	25'	22.0	2.0
DS204X25	4"	4200	SS	25'	29.0	2.6
DS205X25	5"	4200	SS	25'	34.0	3.0
DS206X25	6"	4200	SS	25'	44.0	3.6
DS207X25	7"	4200	SS	25'	50.0	4.2
DS208X25	8"	4200	SS	25'	56.0	4.7
DS2010X25	10"	4200	SS	25'	65.0	5.9
DS2012X25	12"	4200	SS	25'	76.0	7.0

GEM♦FLEX™ "Torque-Resistant" Smooth Bore (Lined) Hose - with Directional Flow Arrows

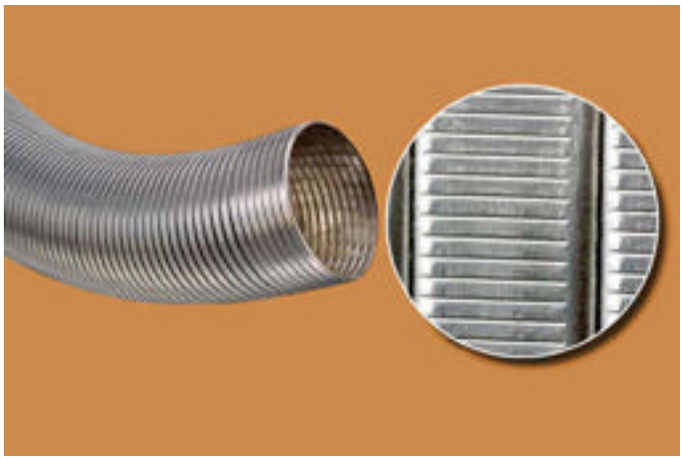
Part Number	I.D.	Series	Material Armor/Liner	Length	Min. Inside Bend Dia. (Inches)	Mass per foot (lbs.)
DSS154X25	4"	5150	SS/SS	25'	30.0	4.0
DGS155X25	5"	5150	Galv/SS	25'	37.0	4.10
DGG156X25	6"	5150	Galv/Galv	25'	44.0	4.90
DSS184X25	4"	5180	SS/SS	25'	32.0	3.6
DGS185X25	5"	5180	Galv/SS	25'	41.0	4.7
DGG186X25	6"	5180	Galv/Galv	25'	49.0	5.6

DIRECTIONAL FLOW ARROWS

ARROW COLOR	ARMOR/LINER
RED	SS/SS
BLUE	GALV/SS
BLACK	GALV/GALV

NOTE: Standard lengths are 25 ft. **extended**; Cut lengths available on request.
NOTE: All I.D.'s of 5150 and 5180 Series hoses are available in all armor/liner configuration options (SS/SS, Galv/SS and Galv/Galv).

RIDGELINE™ - Multi-Sided Extra Flexible Hose



Made in America

Introducing the New RIDGELINE™ - Multi-Sided Extra Flexible Hose

Hose Technology has created this unique manufacturing process that allows for extreme flexibility on standard rough bore (unlined) series hose. This manufacturing process also allows for field cuts to be made with minimal to no opening or unwinding of the hose.

Construction:
- A single metal strip is formed to create a flexible interlocked metal hose that offers maximum flexibility and strength, as well as superior service life.
- Available in galvanized steel and series 300 stainless steel construction, with strip thickness of .017" to .020", equal to 4200 series hose.

Features:
- Greater flexibility than standard interlocked hose.
- Currently available in 4" and 5" i.d.'s.
- Allows field cuts with minimal to no opening or unwinding of the hose.
- Available in both galvanized or series 300 stainless steel.
- Seal-ablilty equal to packed hoses.

Applications:
- Grain transfer.
- Hot air ducting.
- Conveyance of chips and plastic pellets.
- Bulk unloading of highly abrasive materials.
- Exhaust applications.

Maximum Service Temperature:
- Galvanized steel: up to 750°F
  series 300 stainless steel: up to 1500°F

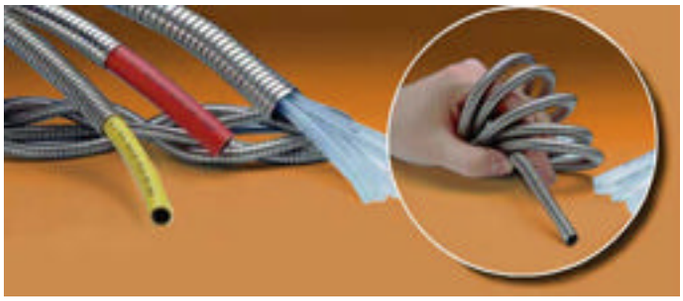
For questions regarding other stainless steel material options please call Hose Technology at 1-800-878-5501.

SPECIFICATIONS (Weights & bend diameters are based on extended hose and are approximate)						
RIDGELINE™ Multi-Sided Extra Flexible Hose						
Part Number	**I.D.**	**Series**	**Material**	**Length***	**Min. Inside Bend Dia. (Inches)**	**Weight per foot (lbs.)**
RLG204X25	4”	4200	Galv	25’	29.0	2.60
RLG205X25	5”	4200	Galv	25’	34.0	3.00
RLS204X25	4”	4200	SS	25’	29.0	2.60
RLS205X25	5”	4200	SS	25’	34.0	3.00

NOTE: Standard lengths are 25 ft. **extended**; Cut lengths available on request.

*Lengths also available in 12”, 18”, 24”, 30”, 36” and 48” (pre-cut sections)

HT1100 Series Flexible - "Floppy Guard" Interlocked Metal Hose



Made in America

For interlocked metal hose applications requiring a more flexible hose, HT1100's unique floppy-type construction allows maximum flexibility.

Construction:
- A single metal strip is loosely interlock-wound to create an extremely flexible interlocked metal hose.
- Available in galvanized steel and series 300 stainless steel.

Features:
- Extremely flexible and light weight.
- Wide range of operating temperatures.
- Available in mill run and special cut lengths.

Applications:
- Shielding for wiring where flexibility is important.
- Protective armor for corrugated hose and braid.
- Protective armor for plastic and rubber hoses.
- Beverage dispenser hose armor.

Maximum Service Temperature:
- Galvanized steel: up to 750°F
  series 300 stainless steel: up to 1500°F

For questions regarding other stainless steel material options please call Hose Technology at 1-800-878-5501.

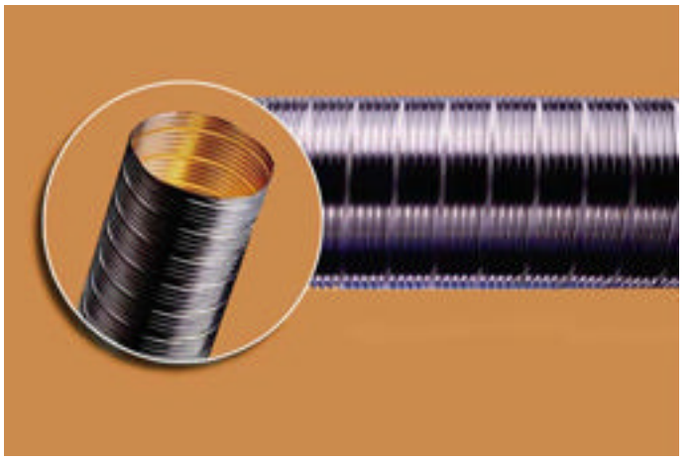
Catalog Series Numbers:

HTG1100 - Galvanized - .010" - .012" strip thickness
HTS1100 - Series 300 stainless steel - .010" - .012" strip thickness

SPECIFICATIONS
(Weights and bend diameters are based on extended hose and are approximate)

Hose Size I. D. (In.)	HTG1100/HTS1100 Min. Inside Bend Dia. (In.)	HTG1100/HTS1100 Wt. per foot (lbs.)	Hose Size I. D. (In.)	HTG1100/HTS1100 Min. Inside Bend Dia. (In.)	HTG1100/HTS1100 Wt. per foot (lbs.)
3/16	1.5	.08	1 1/8	9.0	.32
1/4	2.0	.10	1 1/4	10.0	.36
5/16	2.5	.12	1 3/8	11.0	.42
3/8	3.0	.14	1 1/2	12.0	.48
1/2	4.5	.16	1 5/8	13.0	.52
5/8	5.5	.18	1 3/4	14.0	.58
3/4	6.0	.20	1 7/8	15.0	.62
7/8	7.0	.23	2	16.0	.66
1	7.5	.28	2 1/4	19.0	.76

HT3000 Series - Convoluted Air Ducting Hose



Made in America

A single metal strip is corrugated and helically-wound to form a flexible gas-tight metal hose that offers flexibility, light weight and resistance to corrosion.

Construction:
- 316L stainless steel.

Features:
- Good air-handling characteristics . . . low friction loss and minimal air leakage.

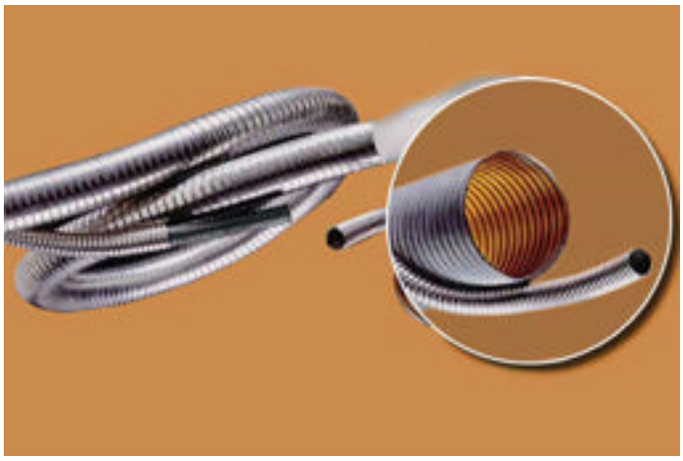
Applications:
- Garage fume exhaust collection.
- Fresh air supply for air intake.
- Temporary spot air conditioning ducts.

Maximum Service Temperature:
- Aluminum: up to 600°F - 316L Stainless steel: Up to 1500°F

SPECIFICATIONS
(Weights and bend diameters are based on extended hose and are approximate)

Hose Size I. D. (In.)	HTG1100/HTS1100		HTG1100/HTS1100	
	Min. Inside Bend Dia. (In.)	Wt. per foot (lbs.)	Min. Inside Bend Dia. (In.)	Wt. per foot (lbs.)
3	4.5	.15	6.0	.40
3 1/2	5.2	.17	7.0	.45
4	6.0	.20	8.0	.50
4 1/2	6.8	.22	9.0	.58
5	7.5	.25	10.0	.63
5 1/2	8.2	.27	11.0	.70
6	9.0	.28	12.0	.75
7	10.5	.33	14.0	.86
8	12.0	.38	16.0	1.00
9	13.5	.40	18.0	1.15
10	15.0	.45	20.0	1.27
12	18.0	.54	24.0	1.50
14	21.0	.63	28.0	1.73
16	24.0	.72	32.0	2.00
18	27.0	.81	36.0	2.30
20	30.0	.90	40.0	2.50
22	33.0	1.00	44.0	2.75
24	36.0	1.10	48.0	3.00

HT4000 Series Rough Bore (Unlined) - "Multi-Flex" Interlocked Metal Hose



Made in America

Interlocked construction provides a flexible metal hose that offers flexibility, streng and economy.

Construction:
- A single metal strip is formed to create a flexible interlocked metal hose that offers maximum flexibility and strength, as well as superior service life.
- Available in galvanized steel and Series 300 stainless steel construction, with strip thicknesses from .010" to .030".
- Choice of packing materials to suit most applications.

Unpacked Packed

Features:
- High strength construction.
- Temperature and corrosion-resistant.
- Flexible... does not restrict movement when installed with other hoses.
- Can be formed and holds its shape, yet is easily moved.
- Available in GEM♦FLEX™ "torque-resistant" hose... see page 4.
- 4" and 5" available in RIDGELINE™ (see page 6).

Applications:
- Abrasive material handling.
- Railcar unloading.
- Non-rigid connections for conveying gases and semi-solid materials.
- Dust and fume collection.
- Ventilation of heaters and general hot air ducting applications.
- Garage fume exhaust, engine exhaust and flexible tail pipe applications.
- Hot air blower and suction hose applications.
- Protective armor and shielding.
- Fly ash removal.
- Blow out protection for hydraulic and other high pressure hoses.
- Liner for corrugated hose and braid assemblies.
- Steam hose protection.

Maximum Service Temperature:
- Galvanized steel: up to 750°F
  series 300 stainless steel: up to 1500°F

For questions regarding other stainless steel material options please call Hose Technology at 1-800-878-5501.

Note: service temperature may vary due to choice of packing material.
Catalog Series Numbers:
HT4000 Series Galvanized Unlined
Interlocked Metal Hose (Unpacked):
HTG4100 - Light Weight (.010" - .012" strip thickness)
HTG4150 - Light-Ledium Weight (.013" - .016" strip thickness)
HTG4200 - Medium Weight (.017" - .020" strip thickness)
HTG4250 - Heavy Weight (.023" - .026" strip thickness)
HTG4300 - Extra-Heavy weight (.027" - .031" strip thickness)

HT4000 Series Stainless steel Unlined
Interlocked Metal Hose (Unpacked):
HTS4100 - Light Weight (.010" - .012" strip thickness)
HTS4150 - Light-Medium Weight (.013" - .016" strip thickness)
HTS4200 - Medium Weight (.017" - .020" strip thickness)
HTS4250 - Heavy Weight (.023" - .026" strip thickness)
HTS4300 - Extra-Heavy Weight (.027" - .031" strip thickness)

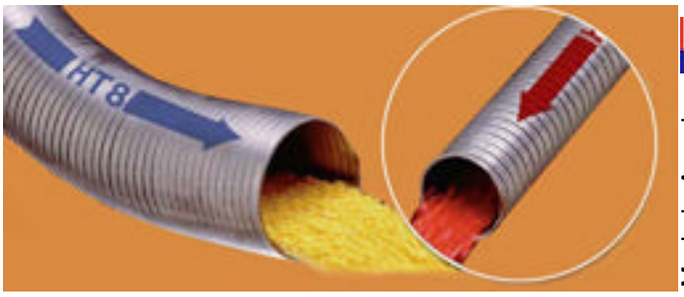
SPECIFICATIONS
(Weights and bend diameters are based on extended hose and are approximate)

Hose Size I. D. (Inches)	Series & Strip Thickness									
	HTG4100 HTS4100 .010" – .012"		HTG4150 HTS4150 .013" – .016"		HTG4200 HTS4200 .017" – .020"		HTG4250 HTS4250 .023" – .026"		HTG4300 HTS4300 .027" – .031"	
	Min. Inside Bend Dia. (In.)	Wt. per foot (lbs.)	Min. Inside Bend Dia. (In.)	Wt. per foot (lbs.)	Min. Inside Bend Dia. (In.)	Wt. per foot (lbs.)	Min. Inside Bend Dia. (In.)	Wt. per foot (lbs.)	Min. Inside Bend Dia. (In.)	Wt. per foot (lbs.)
5/16	2.5	0.10	—	—	—	—	—	—	—	—
3/8	3.0	0.12	—	—	—	—	—	—	—	—
1/2	3.5	0.15	—	—	—	—	—	—	—	—
5/8	4.0	0.20	—	—	—	—	—	—	—	—
3/4	5.25	0.25	—	—	—	—	—	—	—	—
7/8	6.0	0.29	—	—	—	—	—	—	—	—
1	7.0	0.33	—	—	—	—	—	—	—	—
1 1/8	7.5	0.37	—	—	—	—	—	—	—	—
1 1/4	8.0	0.41	—	—	—	—	—	—	—	—
1 3/8	8.5	0.45	10.0	0.60	—	—	—	—	—	—
1 1/2	9.5	0.50	11.0	0.70	12.0	1.00	—	—	—	—
1 5/8	10.0	0.54	11.5	0.75	13.0	1.05	—	—	—	—
1 3/4	10.5	0.58	12.0	0.80	14.0	1.10	—	—	—	—
1 7/8	11.0	0.62	12.5	0.85	15.0	1.20	—	—	—	—
2	12.0	0.70	13.0	0.90	16.0	1.30	18.0	1.60	19.0	2.10
2 1/4	13.5	0.75	14.5	1.10	17.0	1.45	19.0	1.80	20.0	2.20
2 1/2	15.0	0.80	16.0	1.20	18.0	1.60	20.0	2.00	21.0	2.30
2 3/4	17.5	0.90	16.5	1.30	20.0	1.80	22.0	2.15	23.0	2.50
3	20.0	1.00	21.0	1.40	22.0	2.00	24.0	2.30	26.0	2.70
3 1/4	21.0	1.10	22.5	1.50	24.0	2.10	26.0	2.50	27.0	2.95
3 1/2	22.0	1.20	24.0	1.60	25.0	2.30	27.0	2.70	28.0	3.20
4	25.0	1.40	27.0	1.80	29.0	2.60	30.0	3.10	31.0	3.60
4 1/2	28.0	1.50	30.0	2.00	32.0	2.90	34.0	3.50	36.0	4.10
5	30.0	1.70	32.0	2.30	34.0	3.00	36.0	3.90	38.0	4.50
5 1/4	32.0	1.80	34.5	2.40	36.0	3.15	39.0	4.10	41.0	4.75
5 1/2	35.0	1.90	37.0	2.50	39.0	3.30	42.0	4.30	44.0	5.00
6	40.0	2.00	42.0	2.70	44.0	3.60	47.0	4.70	50.0	5.40
6 1/4	41.0	2.10	43.0	2.80	46.0	3.75	49.0	4.90	52.0	5.60
6 1/2	42.0	2.20	44.0	2.95	47.0	3.90	50.0	5.10	53.0	5.80
7	44.0	2.40	46.0	3.20	50.0	4.20	53.0	5.50	56.0	6.30
7 1/4	46.0	2.50	47.5	3.30	52.0	4.30	55.0	5.70	58.0	6.50
7 1/2	48.0	2.60	49.0	3.40	53.0	4.40	56.0	5.85	59.0	6.75
8	50.0	2.70	52.0	3.60	56.0	4.70	59.0	6.20	62.0	7.20
9	—	—	56.5	4.05	61.0	5.30	64.0	6.60	68.0	7.60
9 1/2	—	—	59.0	4.25	63.0	5.60	67.0	6.80	71.0	7.80
10	—	—	61.0	4.50	65.0	5.90	69.0	7.00	74.0	9.00
11	—	—	66.0	5.00	71.0	6.50	75.0	7.40	79.0	9.90
11 1/4	—	—	67.5	5.10	72.0	6.60	76.0	7.50	81.0	10.20
11 1/2	—	—	69.0	5.20	74.0	6.75	77.0	7.60	83.0	10.40
12	—	—	72.0	5.40	76.0	7.00	80.0	7.80	84.0	10.80
14	—	—	100.0	6.30	106.0	8.10	110.0	9.40	115.0	12.60
16	—	—	—	—	121.0	9.20	125.0	11.00	150.0	14.40

NOTE: Standard lengths are 25 ft. and 50 ft. coils extended; all other lengths available on request.

HT5000 Series Smooth Bore (Lined) "Smooth Flow" Interlocked Metal Hose

DIRECTIONAL FLOW ARROWS	
ARROW COLOR	**ARMOR/LINER**
RED	SS/SS
BLUE	GALV/SS
BLACK	GALV/GALV



Made in America

Construction:
- An armor strip is combined with a strip of liner material and formed to create a lined flexible interlocked metal hose that offers superior strength and abrasion-resistance.
- Available with Galvanized steel or Series 300 Stainless steel armor construction, with either Galvanized or Series 300 Stainless steel liner, in a variety of weights.

Applications:
- Railcar offloading.
- Pneumatic dry bulk unloading of grains, pellets, powders and dry chemicals.
- Ideal hose for general bulk unloading applications.
- Transfer of hot materials (not for hot tar or asphalt).
- Bulk unloading of highly abrasive materials.
- Plastic pellet transfer.

Features:
- Flow indication arrows are provided on each length.
- Galvanized or stainless steel liner provides additional strength and greater resistance to abrasion.
- Smooth liner reduces material degradation and improves unloading time.
- Provides maximum flow rates for pneumatic conveying applications.
- Available in standard 25' lengths **extended**, cut to length, or with attached end fittings.
- Also available in **GEM FLEX™** "torque-resistant" hose.

Maximum Service Temperature:
- Galvanized steel: up to 750°F
  Series 300 stainless steel: up to 1500°F

Note: service temperature may vary due to choice of packing material.

For questions regarding other stainless steel material options please call Hose Technology at 1-800-878-5501.

Catalog Series Numbers:

HT5000 Series Galvanized Lined Interlocked
Hose with Galvanized or SS Liner (Unpacked):
HTGG5150 - Lt. Wt. with Galvanized Liner (.015" Armor/.015" Liner)
HTGS5150 - Lt. Wt. with Stainless steel Liner (.015" Armor/.015" Liner)
HTGG5180 - Med. Wt. with Galvanized Liner (.018" Armor/.015" Liner)
HTGS5180 - Med. Wt. with Stainless steel Liner (.018" Armor/.015" Liner)

HT5000 Series Stainless steel Lined Interlocked
Hose with Stainless steel Liner (Unpacked):
HTSS5150 - Lt. Wt. with Stainless steel Liner (.015" Armor/.015" Liner)
HTSS5180 - Med. Wt. with Stainless steel Liner (.018" Armor/.015" Liner)
HTSS5250 - Xtra-Hvy. with Stainless steel Liner (.025" Armor/.018" Liner)

SPECIFICATIONS
(Weights & bend diameters are based on extended hose and are approximate)

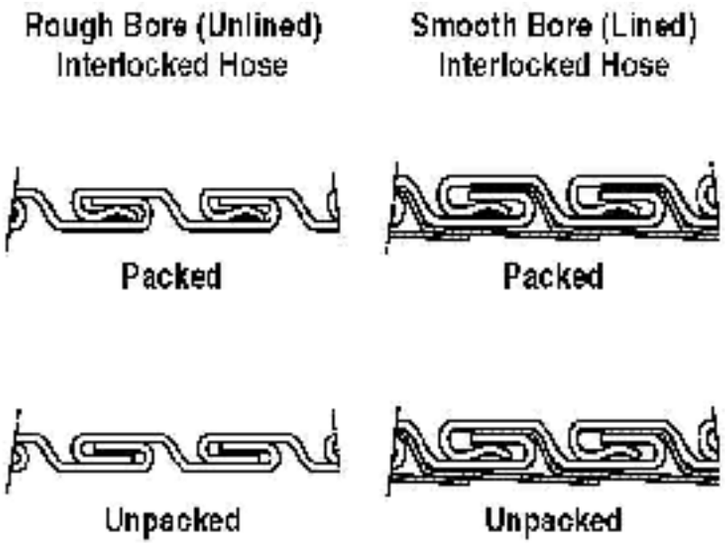
Hose Size I. D. (Inches)	Series & Strip Thickness					
	HTGG5150 HTGS5150 HTSS5150 .015" Armor/.015" Liner		HTGG5180 HTGS5180 HTSS5180 .018" Armor/.015" Liner		HTSS5250 .025" Armor/.018" Liner	
	Minimum Inside Bend Dia. (Inches)	Weight per foot (lbs.)	Minimum Inside Bend Dia. (Inches)	Weight per foot (lbs.)	Minimum Inside Bend Dia. (Inches)	Weight per foot (lbs.)
1 1/2	11.25	1.10	12.0	1.50	—	—
1 3/4	13.0	1.35	14.0	1.70	—	—
2	15.0	1.60	16.0	1.90	—	—
2 1/4	17.0	1.90	19.0	2.10	—	—
2 1/2	19.0	2.10	21.0	2.30	—	—
2 3/4	21.0	2.30	25.0	2.50	—	—
3	23.0	2.50	28.0	2.80	35.0	3.75
3 1/2	27.0	2.90	30.0	3.20	37.0	4.35
4	30.0	3.40	32.0	3.60	39.0	5.10
4 1/2	34.0	3.75	37.0	4.00	44.0	5.40
5	37.0	4.10	41.0	4.70	48.0	5.60
6	44.0	4.90	49.0	5.60	60.0	6.25
7	53.0	5.80	58.0	6.60	68.0	7.80
8	61.0	6.60	63.0	7.70	74.0	8.80
10	—	—	79.0	9.70	86.0	11.00
12	—	—	94.0	11.70	104.0	13.00
14	—	—	110.0	13.50	120.0	15.50
16	—	—	126.0	15.00	138.0	18.00

NOTE: Standard coil length is 25 ft. ***extended;*** other lengths available on request.

Smooth Bore (Lined) “Smooth Flow” Interlocked Metal Hose also available in HTSS5210 series (.018” Armor/.018” Liner).
Please contact your nearest Kuriyama warehouse for more information.

Packing Selections - for lined & unlined interlocked flexible metal hose

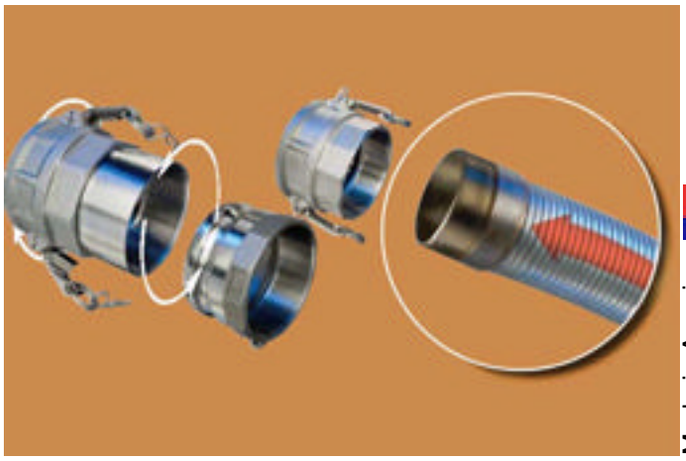
Note: Metal Hose service temperature may vary due to choice of packing material used.



Packing Material	Temperature	Pressure	Vacumm
Cotton Cord	To 300°F.	To 15 PSI	To 15" Mercury
Apyrous (Hi Temp)	To 450°F.	To 15 PSI	To 15" Mercury
Gas Tight (Elastomeric)	To 180°F.	To 20 PSI	To 20" Mercury
Silicone	To 500°F.	To 20 PSI	To 20" Mercury
S. S. Wire	To 1500°F.	To 15 PSI	To 15" Mercury

NOTE: packings are not recommended for most hose applications.
Check with Hose Technology at: 1-800-878-5501.

Metal-Hose-To-Go™ Program



Made in America

Hose Tec brand pre-welded hose assemplies features and benefits...

HTSS5180 SERIES (SHOWN)
Series 300 Stainless steel armor/Series 300 Stainless steel Liner
(Red Arrow) with attached SS304 Schedule 40 TOE ends.

- Available in both rough Bore (unlined) and smooth Bore (lined) hoses.
- No welding required!
- Ready for immediate use! - SS304 Schedule 40 TOE (thread-one-end) pre-welded on each end.
- Ideal for pneumatic trailers, reilcar unloading and in-plant transfer applications.
- Readily accepts our Aluminium and Stainless stess Kuriyama - Coupling TM Quick-Acting Camlock Couplers & Adapters-in-stock NOW! (A type - Male and D type - Female).
- Accepts our NEW Kuriyama - Couplings™ brand Threaded Swivel Couplers and Adapters - in-stock NOW!
- Swivel Couplers and Adapters make hose handling easier and help to extend hose life by reducing torque pressure.
- Accessories sold separately.
- Available in GEM♦FLEX™ "Torque-Resistant" Series.

SPECIFICATIONS
(Weights & bend diameters are based on extended hose and are approximate)

Smooth Bore (Lined) "Smooth Flow" Hose

Part Number	I.D.	Series	Material Arm/Liner	OAL	Ends	Weight per piece
SS154X228STOE	4”	5150	SS/SS	19’	STOE	65
SS184X072STOE	4”	5180	SS/SS	6’	STOE	22
SS184X144STOE	4”	5180	SS/SS	12’	STOE	45
SS184X180STOE	4”	5180	SS/SS	15’	STOE	60
SS184X210STOE	4”	5180	SS/SS	17.5’	STOE	67
SS184X228STOE	4”	5180	SS/SS	19’	STOE	75
SS186X120STOE	6”	5180	SS/SS	10’	STOE	60
SS186X228STOE	6”	5180	SS/SS	19’	STOE	115
SS186X300STOE	6”	5180	SS/SS	25’	STOE	144

Rough Bore (Unlined) "Multi-Flex" Hose

Part Number	I.D.	Series	Material	OAL	Ends	Weight per piece
S204X120STOE	4”	4200	SS	10’	STOE	31
S205X120STOE	5”	4200	SS	10’	STOE	39
S206X120STOE	6”	4200	SS	10’	STOE	47

GEM♦FLEX™ “Torque-Resistant” Rough Bore (Unlined) Hose

Part Number	I.D.	Series	Material	OAL	Ends	Weight per piece
DS203X144STOE	3”	4200	SS	12’	STOE	27
DS204X120STOE	4”	4200	SS	10’	STOE	30
DS204X144STOE	4”	4200	SS	122	STOE	35
DS204X234STOE	4”	4200	SS	19.5	STOE	55
DS205X144STOE	5”	4200	SS	9.5’	STOE	24
DS205X180STOE	5”	4200	SS	15’	STOE	50
DS205X234STOE	5”	4200	SS	19.5’	STOE	64

Note: Other I.D. sizes and lengths available, please contact your local Kuriyama werehouse.

SPECIFICATIONS
(Weights & bend diameters are based on extended hose and are approximate)

THREADED SWIVEL ALUMINIUM FEMALE COUPLER SS304 THREADED NPT INSERT

Part Number	Size	Weight Each	Standard Package
KAS-C401	4”	6.28 lbs	1
KAS-C501	5”	6.80 lbs	1
KAS-C601	6”	7.87 lbs	1

THREADED SWIVEL ALUMINUM MALE ADAPTOR WITH SS304 THREADED NPT INSERT

Part Number	Size	Weight Each	Standard Package
KAS-E401	4”	4.23 lbs	1
KAS-E501	5”	5.62 lbs	1
KAS-E601	6”	6.21 lbs	1

THREADED SWIVEL SS304 MALE ADAPTOR WITH SS304 THREADED NPT INSERT

Part Number	Size	Weight Each	Standard Package
KSS-E401	4”	6.22 lbs	1
KSS-E501	5”	9.75 lbs	1
KSS-E601	6”	10.42 lbs	1

PART ‘A’ QUICK-ACTING MALE ADAPTOR x FEMALE NPT 4” & 6” I.D.

Part Number	Size	Weight Each	Standard Package
AL-A400	4”	1.34 lbs	20
SS304-A400	4”	3.74 lbs	6
SS-A400	4”	3.74 lbs	6
AL-A600	6”	2.00 lbs	15
SS304-A600	6”	8.55 lbs	2
SS-A600	6”	8.55 lbs	2

PART ‘D’ QUICK-ACTING FEMALE COUPLER x FEMALE NPT 4” & 6” I.D.

Part Number	Size	Weight Each	Standard Package
AL-D400	4”	2.82 lbs	10
SS304-D400	4”	6.50 lbs	6
SS-D400	4”	6.50 lbs	6
AL-D600	6”	5.11 lbs	10
SS304-D600	6”	11.51 lbs	2
SS-D600	6”	11.51 lbs	2

WHITE NEOPRENE (FDA) GASKETS FOR QUICK ACTING COUPLINGS

Part Number	Size	Weight Each	Standard Package
WN400	4”	0.066 lbs	10
WN500	5”	0.094 lbs	10
WN600	6”	0.116 lbs	10

TIGERFLEX

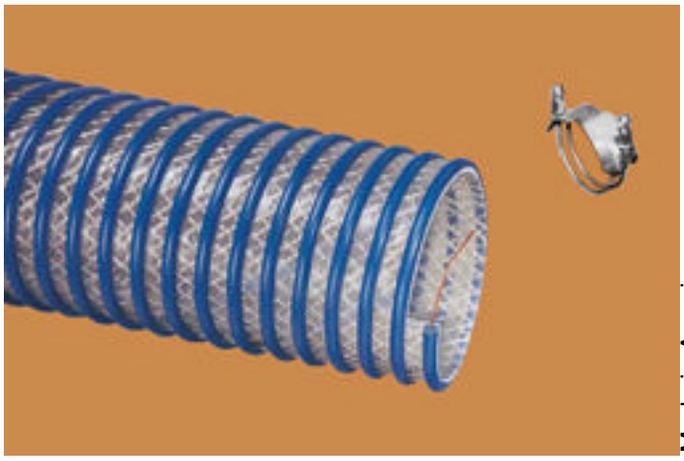
Application Guide

	2001/2020	WT	WE	WBS	UREFLEX-1	UREFLEX-2	UBK	PF	UREVAC-2	UREVAC-3	WU	UVPE	UREVAC-1	UVF	MULCH	GC/GC-C	LK/LK-C	GTF/GTG	GTF	CG/CG-SL	WH	Extended-DuctTM	FT	MILK	MILK-LT	WSTF	WST	W	WG	CF	BW	S	F/G	H/JK	NH	SPA	OV	ORV	WOR
Abrasive Material Chutes Abrasive Material Transfer Agri-Foam System	X	X	X	X	X	X	X	X	X	X	X	X	X X	X X	X	X	X											X	X	X	X	X	X	X	X		X		
Air Seeder Lines Air Vent Lines Cable Protection					X		X											X X	X	X X	X	X							X				X	X					
Corrugated Paper Scrap Handling Dockside Pump-Out Lines Dry Product Transfer, Static Dissipative	X		X	X	X	X	X	X	X	X		X																						X				
Dust Collection Fertilizer Broadcasting, Dry Fertilizer Transfer, Liquid																	X	X	X	X	X	X						X		X X	X X		X	X				
Fish Suction Fly Ash Collection Food Applications, Dry	X	X	X	X	X	X																	X			X	X X	X										
Food Applications, Dry, Static Dissipative Food Grade Blower & Ducting Food Products, Liquid	X		X	X										X					X				X	X	X	X											
Food Products, Liquid, Low Temperature Fume Removal General Construction Usage													X					X		X	X	X			X		X	X	X	X	X	X	X	X				
Gold Dredging Grain Clean-Up Wand Hose Grain Handling	X				X	X			X	X											X							X										
Ground Cover, Delivery of Mulch Industrial Vacuum Equipment Insulation Blowing					X	X			X X	X X	X		X		X	X					X																
Irrigation Lines Irrigation Pumping Latex Paint Transfer/Spraying Equipment																					X					X		X	X X	X X	X X X	X X	X X				
Lawn/Leaf Collection Liquid Manure Marine Bilge Discharge/Toilet Transfer									X				X				X	X										X		X X	X X			X				
Material Chutes Metal Chip Recovery Milk Transfer										X	X	X	X					X	X				X	X	X											X		
Oil Slurry Handling Oil Suction, Heavy Duty Oil Suction, Light Duty																																				X X	X X	X X
Pharmaceutical Product Transfer Pneumatic Conveying — Pellets, Etc. Poultry Cleaning Operations	X X	X X X	X X	X X	X			X			X	X		X					X			X				X										X		
Rock Dusting Roof Rock Cleaning Rooftop Cleaning Wand Hose					X	X	X		X	X																			X			X	X					
Room Air Exhaust RV Plumbing Sand Blast/Shot Blast Recovery					X	X	X				X							X	X	X		X X							X					X				
Septic Tank Cleaning Slurry Handling Spa, Pool Installations																												X		X X	X X	X			X			
Spot Cooling, Ducting Suction, Low Temperature Trash Pump Hose																	X	X				X						X X		X X	X X	X						
Vapor Recovery Water Suction and Transfer Well Point System																						X					X	X X	X	X X	X X	X X	X X			X	X

NOTE: This application guide provides information on typical hose applications. Actual results may vary due to variances in the operating conditions involving temperature, chemical resistance, working pressure, etc. Please refer to the specifications printed for each product in this catalog, along with information regarding chemical resistance and our Cautionary Statement, to better insure successful results.

Series 2020 - Reinforced Polyurethane-lined material handling hose with embedded copper grounding wire. For outdoor dry applications

Tiger Clamp™ Spiral Double Bolt Clamps available



The quiet, super abrasion-resistant hose that shows the flow!

Made in America

Food-Abrasion Resistant-Clear Hose-Static Dissipative-Dry-Exposed Helix-Low. Temp.

Features and Benefits

- Clear Polyurethane construction with blue PVC helix — allows visual confirmation that material is flowing... provides high abrasion- resistance.
- Food grade Polyurethane liner — complies with all applicable FDA‡ and USDA ★ requirements.
- Embedded copper grounding wire — prevents the build-up of static electricity... helps keep material flowing smoothly.
- Polyester fabric reinforcement — provides increased ability to withstand positive pressures.
- "See-through" construction — translucent construction with blue helix allows visual confirmation that material is flowing.
- Smooth bore construction — reduces material build-up... provides high abrasion resistance and quiet operation (polymer pellet transfer through Series 2020 can be 60 - 70% quieter than with stainless steel hoses).
- Exposed blue rigid PVC helix — abrasion-resistant... allows hose to slide easily... easier to handle.

General Applications

- Pneumatic conveying systems for powder, pellets or other dry granular materials.
- Dry food transfer systems, such as flour, rice, grains, etc.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range

-40°F to 150°F

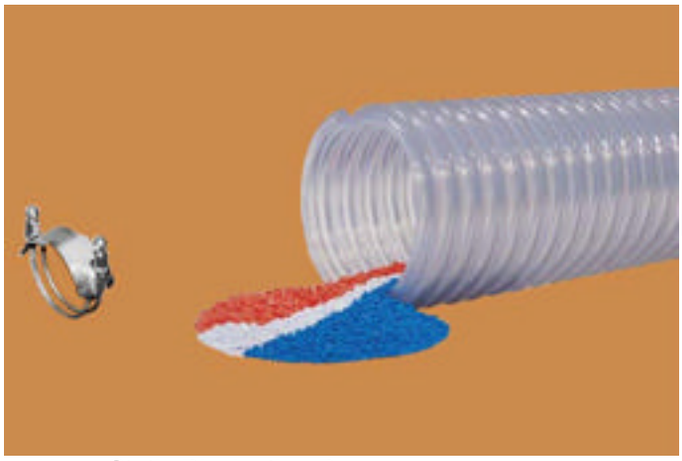
Actual service temperature range is application-dependent.

Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68°F	104°F	68°F	104°F			
2020-300	3	76.2	3.78	96.0	1.8	70	35	Full	28	10"	100/50/20	1.20
2020-400	4	101.6	4.84	123.0	2.0	65	30	Full	28	12"	100/50/20	1.60
2020-500	5	127.0	5.79	147.0	2.0	45	22	28	25	14"	50/20	2.45
2020-600	6	152.4	6.93	176.0	2.0	40	22	28	25	16"	50/20	2.86

‡ FDA — CFR Title 21 Parts 177.1680, and 177.2600 requirements.
★ USDA — For use in federally-inspected meat and poultry plants.
CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

Series 2001 - Polyurethan-lined PVC food grade material handling hose with embedded copper grounding wire. For dry aplications

Tiger Clamp™ Spiral Double Bolt Clamps available



The quiet, super abrasion-resistant hose that shows the flow!

Made in America

Food-Abrasion Resistant-Clear Hose-Static Dissipative-Dry

Features and Benefits

- Food grade Polyurethane lining - complies with all applicable FDA‡ and USDA★ requirements.
- Food grade PVC convoluted cover - complies with all applicable FDA† and USDA★ requirements...provides increased flexibility.
- Embedded copper grounding wire - prevents the build-up of static electricity... helps keep material flowing smoothly.
- "See-through" construction - clear cover and translucent liner allows visual confirmation that material is flowing.
- Smooth polyurethane liner - reduces material build-up... provides high abrasion resistance and quiet operation (polymer pellet transfer through Series 2001 can be 60 - 70% quieter than with stainless steel hoses).

General Applications

- Pneumatic conveying systems for powder, pellets or other dry granular materials.
- Dry food transfer systems, such as flour, rice, grains, etc.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range

-4°F to 150°F

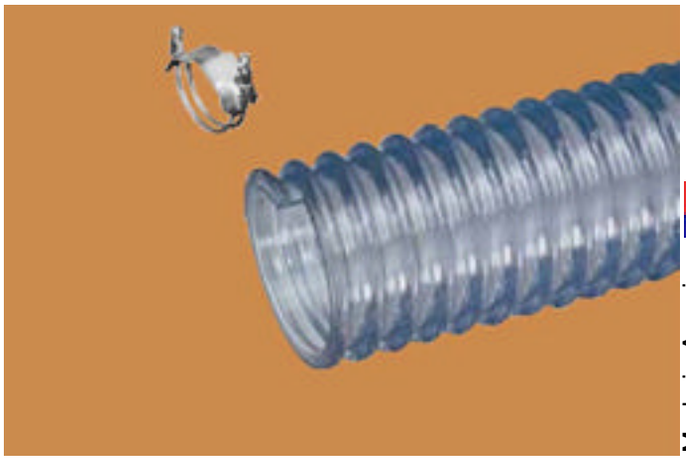
Actual service temperature range is application-dependent.

Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68°F	104°F	68°F	104°F			
2001-150	1 1/2	38.1	1.88	47.8	0.8	50	25	Full	28	6”	60	.48
2001-200	2	50.8	2.44	62.0	0.9	40	20	Full	28	7”	60	.67
2001-250	2 1/2	63.5	3.12	77.2	0.9	40	20	Full	28	8”	60	.92
2001-300	3	76.2	3.70	94.1	1.8	40	20	Full	28	9”	60	1.35
2001-400	4	101.6	4.80	122.0	2.0	35	18	Full	28	15”	60/20	2.17
2001-500	5	127.0	5.81	147.6	2.0	35	18	28	25	23”	60/20	2.77
2001-600	6	152.4	6.93	176.0	2.3	30	15	28	25	26”	60/20	3.90
2001-700	7	178.8	8.08	205.2	2.3	30	15	28	25	30”	60/20	5.20
2001-800	8	203.2	9.28	235.8	2.7	30	15	28	25	36”	60/20	6.65

† FDA - CFR Title 21 Parts 170 to 199 requirements.
‡ FDA - CFR Title 21 Parts 177.1680 and 177.2600 requirements.
★ USDA - For use in Federally-inspected meat and poultry plants.
CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

Series WT & WE - The Engineered Performance Leaders

Series WT Heavy duty PVC food grade material handling hose - For dry applications



TigerClamp™ Spiral Double Bolt Clamps available

Made in America

Food-Abrasion Resistant-Clear Hose-Dry.

Features and Benefits

- Clear PVC construction - complies with all applicable FDA† and USDA★ requirements and 3-A Sanitary Standards ¶... allows visual confirmation that material is flowing.
- Smooth bore construction - eliminates material build-up.
- Convoluted cover design - provides increased flexibility.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

General Applications

- Pneumatic conveying systems for powder, pellets or granular materials.
- Food transfer systems.
- Poultry cleaning operations.

Service Temperature Range

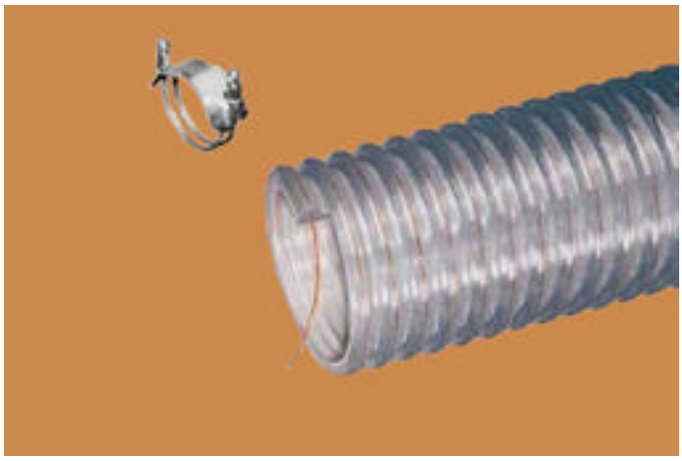
-4°F to 150°F
Actual service temperature range is application-dependent.

† FDA - CFR Title 21 Parts 170 to 199.
★ USDA - For use in Federally-inspected meat and poultry plants.
¶ 3-A Sanitary Standard — No. 20-20, Multi-use plastic materials as product contact surfaces in equipment for production, processing and handling of milk and milk products.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
WT100	1	25.4	1.30	33.0	55	30	28	28	2”	100/50	.21
WT125	1 1/4	31.7	1.60	40.6	50	25	28	28	2”	100/50	.28
WT150	1 1/2	38.1	1.92	48.8	50	25	28	28	3“	100/50	.35
WT200	2	50.8	2.40	61.0	40	20	28	24	4“	100/50	.56
WT225	2 1/4	57.2	2.74	69.6	40	20	28	24	4.5“	100/50	.65
WT250	2 1/2	63.5	2.99	75.9	40	20	28	24	5“	100/50	.77
WT300	3	76.2	3.64	92.5	40	20	28	24	6“	100/50	1.10
WT350	3 1/2	88.9	4.21	107.0	35	18	28	24	8“	100/50	1.48
WT400	4	101.6	4.72	120.0	35	18	24	22	10“	100/50	1.80
WT500	5	127.0	5.74	145.8	30	15	24	22	16“	100/20	2.34
WT600	6	152.4	6.91	175.5	30	15	24	22	18“	100/50/20	3.70
WT800	8	203.2	8.97	227.8	20	10	20	18	36“	20	5.53
WT45M	1.77	45.0	2.09	53.0	45	25	28	24	4“	50	.44
WT57M	2.24	57.0	2.68	68.0	40	20	28	24	4.5“	50	.64

Series WE Heavy duty PVC food grade material handling hose with embedded grounding wire. For dry applications

TigerClamp™ Spiral Double Bolt Clamps available



Food-Abrasion Resistant-Clear Hose-Static Dissipative-Dry

Features and Benefits

- Clear PVC construction - complies with all applicable FDA† and USDA★ requirements... allows visual confirmation that material is following
- Embedded copper grounding wire - prevents the build-up of static electricity... helps to keep material flowing smoothly.
- Smooth bore construction - eliminates material build-up.
- Convoluted cover design - provides increased flexibility.

General Applications

- Pneumatic conveying systems for powder, pellets or granular materials.
- Paper mill vacuum lines.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range

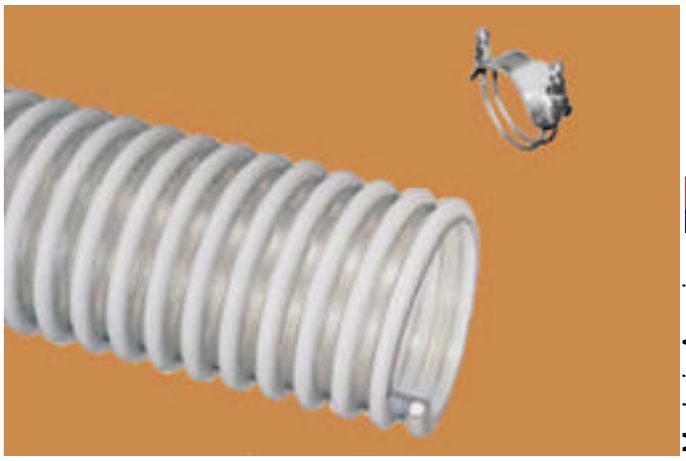
-4°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
WE125	1 1/4	32.0	1.65	42.0	50	25	28	28	2"	100/50	.33
WE150	1 1/2	38.1	1.93	49.0	50	25	28	28	3"	100/50	.43
WE200	2	50.8	2.48	63.0	40	20	28	24	4"	100/50	.58
WE225	2 1/4	57.2	2.80	71.0	40	20	28	24	4.5"	100/50	.65
WE250	2 1/2	63.5	3.07	76.5	40	20	28	24	5"	100/50	.89
WE300	3	76.2	3.64	91.5	40	20	28	24	6"	100/50	1.25
WE350	3 1/2	88.9	4.27	108.5	35	18	28	24	8"	100/50	1.55
WE400	4	101.6	4.72	120.0	35	18	24	20	10"	100/50	1.93
WE500	5	127.0	5.74	146.0	30	15	24	20	16”	60/50/20	2.40
WE600	6	152.4	6.81	175.5	30	15	24	20	18"	60/50/20	3.70
WE45M	1.77	45.0	2.20	55.8	45	25	28	24	4"	60	.46
WE57M	2.24	57.0	2.76	70.0	40	20	28	24	4.5"	60	.64

† FDA — CFR Title 21 Parts 170 to 199.
★ USDA — For use in Federally-inspected meat and poultry plants.
CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

Series WBS - Anti-static - PVC food grade material handling hose

TigerClamp™ Spiral Double Bolt Clamps available



Made in America

Food-Abrasion Resistant-Clear Hose-Static Dissipative-Dry

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Features and Benefits
- Clear PVC with white helix - complies with all applicable FDA† and USDA★ requirements... allows visual confirmation that material is flowing.
- Static-dissipative thermoplastic compound **-** prevents the build-up of static electricity... helps to keep
- Wireless static- dissipative design - allows for ease of coupling and installation.
- Smooth bore construction - eliminates material build-up.
- Convoluted cover design - provides increased flexibility.

General Applications
- Pneumatic conveying systems for powder, pellets or granular materials.
- Pharmaceutical product transfer.
- Hopper loader systems.

Service Temperature Range
-4°F to 150°F
Actual service temperature range is application-dependent.

Note: The effectiveness of static dissipation is application-dependent, based upon humidity, material conveyed, and length of hose.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
WBS150	1 1/2	38.1	1.92	48.8	50	25	28	28	3”	100	.35
WBS200	2	50.8	2.40	61.0	40	20	28	24	4”	100	.56
WBS250	2 1/2	63.5	2.99	75.9	40	20	28	24	5”	100	.77
WBS300	3	76.2	3.64	92.5	40	20	28	24	6”	100	1.10
WBS400	4	101.6	4.76	121.0	35	20	24	20	10”	100/50	1.92
WBS45M	1.77	45.0	2.09	53.0	45	25	28	24	4”	50	.52
WBS57M	2.24	57.0	2.68	68.0	40	20	28	24	5”	50	.62

† FDA — CFR Title 21 Parts 170 to 199.
★ USDA — For use in Federally-inspected meat and poultry plants.

UREFLEX-1 - Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications

TigerClamp™ Spiral Double Bolt Clamps available

Made in America

Abrasion Resistant-Static Dissipative-Dry-Low. Temp.

Features and Benefits
- Smooth polyurethane lining **-** provides resistance to abrasion... eliminates material build-up.
- Black HMW PVC convoluted cover **-** formulated with static-dissipative compound... also provides sub-zero flexibility.

Features and Benefits
- Thick smooth heavy duty polyurethane lining **-** provides additional abrasion-resistance... eliminates material build-up.
- Blue HMW PVC convoluted cover **-** formulated with static- dissipative compound... also provides sub-zero flexibility.

General Applications
- Industrial vacuum equipment.
- Pneumatic conveying systems for powder, pellets or granular materials.
- Abrasive material transfer.
- Grain handling.
- Sand/shot blast recovery line.
- Roof rock cleaning.
- Fly ash collection.
- Municipal Evactor trucks.
- Road crush vacuuming.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

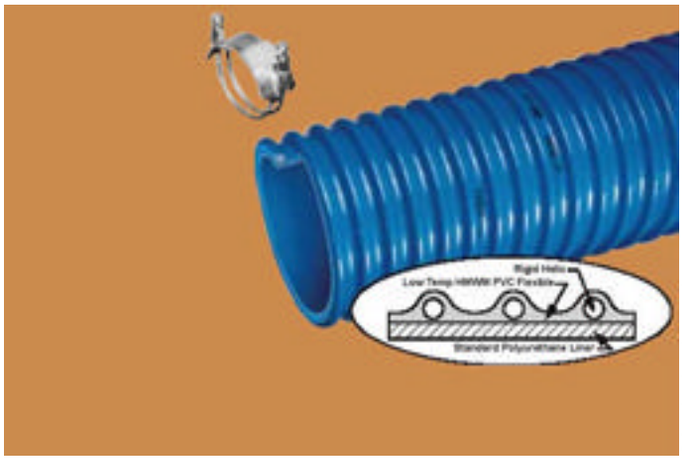
Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
UF1-125	1 1/4	31.8	1.53	39.0	0.6	50	25	Full	2”	100	.22
UF1-150	1 1/2	38.1	1.85	47.0	0.6	50	25	Full	2”	100/50	.42
UF1-200	2	50.8	2.40	61.0	0.7	40	20	Full	3”	100/50	.59
UF1-250	2 1/2	63.5	3.07	78.0	0.9	40	20	Full	3”	100/50	.80
UF1-300	3	76.2	3.64	92.5	1.0	40	20	Full	4”	100/50	1.18

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
UF1-350	3 1/2	88.9	4.21	107.0	1.0	35	18	Full	5”	100/50	1.48
UF1-400	4	101.6	4.76	120.9	1.2	35	18	Full	6”	100/50	1.95
UF1-500	5	127.0	5.75	146.0	1.2	35	18	28	6”	100/50/20	2.42
UF1-600	6	152.4	6.81	173.0	1.5	30	15	28	12”	100/50/20	3.50
UF1-800	8	203.2	9.18	233.2	2.0	30	15	28	18”	50/20	5.91

UREFLEX-2 - Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications

TigerClamp™ Spiral Double Bolt Clamps available



Made in America

Abrasion Resistant-Static Dissipative-Dry-Low. Temp.

Features and Benefits

- Thick smooth heavy duty polyurethane lining **-** provides additional abrasion-resistance... eliminates material build-up.
- Blue HMW PVC convoluted cover **-** formulated with static- dissipative compound... also provides sub-zero flexibility.

General Applications

- Industrial vacuum equipment.
- Abrasive material transfer.
- Grain handling.
- Sand/shot blast recovery line.
- Roof rock cleaning.
- Fly ash collection.
- Municipal Evactor trucks.
- Road crush vacuuming.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range

-40°F to 150°F

Actual service temperature range is application-dependent.

Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68°F	104°F	68°F	104°F			
UF2-150	1 1/2	38.1	1.88	47.8	1.0	50	25	Full	28	3”	100	.46
UF2-200	2	50.8	2.44	62.0	1.2	40	20	Full	28	4”	100	.65
UF2-250	2 1/2	63.5	3.12	79.2	1.4	40	20	Full	28	5”	100	.89
UF2-300	3	76.2	3.70	94.1	1.8	40	20	Full	28	6”	100/50	1.23
UF2-400	4	101.6	4.80	122.0	2.0	35	18	Full	28	10”	100/50	2.02
UF2-500	5	127.0	5.81	147.6	2.0	35	18	28	25	15”	100/50/20	2.50
UF2-600	6	152.4	6.87	174.5	2.3	30	15	28	25	18”	100/50/20	3.84
UF2-800	8	203.2	9.18	233.2	2.7	30	15	28	25	22”	50/20	6.52
UF2-1000	10	254.0	11.61	295.0	2.9	25	12	26	20	26”	20	10.92

Series UBK - Polyurethane-lined abrasion-resistant PVC material handling hose for dry applications

TigerClamp™ Spiral Double Bolt Clamps available

Made in America

Abrasion Resistant-Static Dissipative-Dry-Exposed Helix-Low. Temp.

Features & Benefits
- Smooth polyurethane lining - provides resistance to abrasion... eliminates material build up.
- Black HMW PVC flexible - provides sub-zero flexibility and light weight for easy handling... formulated with static-dissipative compounds.
- Exposed black rigid PVC helix - abrasion-resistant... allows hose to slide easily... easier to handle.

General Applications
- Roof rock cleaning
- Abrasive material transfer
- Sand/shot blast recovery line.

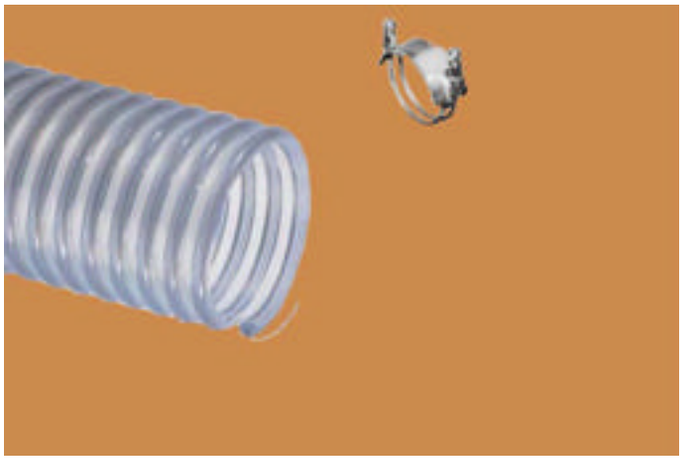
Note: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68°F	104°F	68°F	104°F			
UBK200	2	50.8	2.40	61.0	0.7	40	15	Full	28	2”	100/50	0.59
UBK250	2 1/2	63.5	3.07	78.0	0.9	40	15	Full	28	4”	100/50	0.79
UBK300	3	76.2	3.64	92.5	1.0	40	15	Full	28	4”	100/50	0.83
UBK400	4	101.6	4.76	120.9	1.2	35	13	Full	28	6”	100/50	1.37
UBK500	5	127.0	5.69	144.5	1.2	30	10	28	15	10”	100/50/20	2.28
UBK600	6	152.4	6.81	173.0	1.5	30	10	28	15	12”	100/50/20	3.10
UBK800	8	203.2	9.02	29.0	2.0	30	10	28	15	15”	50/20	4.51

Series PF Plas-T-Flo™ Heavy duty Polyurethane material transfer hose with embedded copper grounding wire

TigerClamp™ Spiral Double Bolt Clamps available



Made in America

Abrasion Resistant-Clear Hose-Static Dissipative-Dry-Exposed Helix

Features & Benefits

- Clear polyurethane PVC reinforced hose - allows visual confirmation that material is flowing. Clear body enables operators to inspect hose for contamination during operation.
- Smooth polyurethane material - provides resistance to abrasion and minimizes material build up...provides quieter operation.
- Embedded copper grounding wire - prevents the build-up of static electricity... helps keep material flowing smoothly.
- Exposed clear rigid PVC helix - abrasion-resistant... allows hose to slide easily... easier to handl

General Applications

- Unloading of bulk trucks & railcars in the plastics industry.
- Pneumatic conveying systems for powder pellets, and other dry granular material.

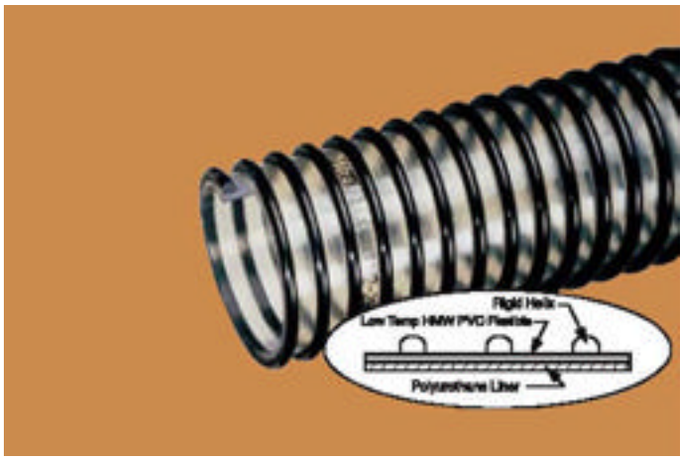
CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

Note: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
PF300	3	76.2	3.39	86.0	35	15	28	25	10”	100/50/20	1.50
PF400	4	101.6	4.84	123.0	30	15	28	25	12”	100/50/20	1.96
PF500	5	127.0	5.87	149.0	30	15	25	22	13”	100/50/20	2.50
PF600	6	152.4	6.91	175.5	30	15	25	22	16”	100/50/20	3.18

UREVAC-2 - Medium duty Polyurethane-lined lightweight PVC material handling hose



Made in America

Abrasion Resistant-Clear Hose-Air Ducting-Dry-Exposed Helix-Low. Temp.

Features and Benefits
- Polyurethane-lined HMW PVC construction - provides excellent sub-zero flexibility.
- Smooth abrasion-resistant polyurethane liner - eliminates material build-up.
- Black external PVC reinforcing helix - provides high abrasion-resistance, increased flexibility and allows hose to slide easily... easier to handle.

General Applications
- Grain clean-up wand hose.
- Rooftop cleaning wand hose.
- Insulation blowing.
- Lawn, leaf and mulch collection.
- Corrugated paper products scrap collection.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68°F	104°F	68°F	104°F			
UV2-150	1 1/2	38.1	1.87	47.5	0.7	25	10	22	16	1.5”	60	.29
UV2-200	2	50.8	2.47	62.7	0.8	25	10	21	14	2.5“	60	.40
UV2-250	2 1/2	63.5	2.96	75.2	1.0	20	8	19	12	3”	60	.53
UV2-300	3	76.2	3.54	89.8	1.1	20	8	18	11	4”	60	.67
UV2-400	4	101.6	4.57	116.1	1.1	15	7	13	9	6”	60	1.02
UV2-500	5	127.0	5.58	141.7	1.1	15	7	10	7	8”	60	1.22
UV2-600	6	152.4	6.62	168.1	1.1	10	5	7	5	10”	60	1.68
UV2-800	8	203.2	8.67	220.2	1.1	10	5	5	3	14”	20	2.24

UREVAC-3 - Heavy duty Polyurethane material transfer hose with embedded copper grounding wire

TigerClamp™ Spiral Double Bolt Clamps available

Made in America

Abrasion Resistant-Clear Hose-Static Dissipative-Dry-Exposed Helix-Low. Temp.

Features & Benefits

- **Lightweight polyurethane construction** - provides good flexibility in sub-zero temperatures... ideal hose for intermediate material transfer application where a heavier hose will not work.
- **Black exposed helix design with embedded copper grounding wire** - provides high abrasion resistance and permits hose to slide more easily. Copper grounding wire allows for grounding hose in static conditions.
- **Smooth bore** - eliminates material build up.

General Applications

- Grain clean-up wand hose
- Rooftop cleaning wand hose
- Insulation Blowing
- Lawn, leaf, & mulch collection.
- Plastic pellet & powder transfer.

Note: Service life may vary depending on operating conditions and type of material being conveyed.

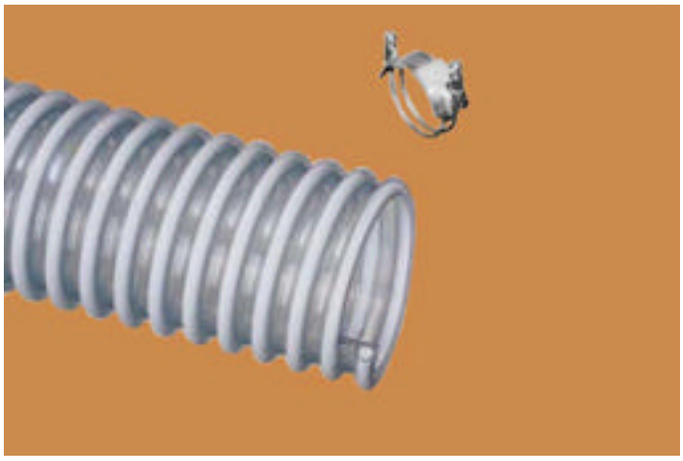
Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
UV3-300	3	76.2	3.60	91.4	40	20	Full	28	9"	100/50	.91
UV3-400	4	101.6	4.66	118.4	35	17	28	25	12"	100/50	1.50
UV3-500	5	127.0	5.50	145.0	35	17	28	25	14"	50/20	1.82
UV3-600	6	152.4	6.65	172.0	30	15	25	20	16"	50/20	2.24
UV3-800	8	203.5	8.76	223.0	30	15	25	20	18"	50/20	3.00

CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

Series WU Standard duty Polyurethane-lined abrasion-resistant PVC material handling hose. For dry applications

TigerClamp™ Spiral Double Bolt Clamps available



Made in America

Abrasion Resistant-Clear Hose-Dry

Features and Benefits
- Clear PVC with white helix - allows visual confirmation that material is flowing.
- Smooth polyurethane lining - provides resistance to abrasion and eliminates material build-up.
- Convoluted cover design - provides increased flexibility.

General Applications
- In-plant pneumatic conveying systems for powder, pellets or granular materials.
- Granular transfer lines.
- Milling machine metal chip recovery.
- Sand/shot blast recovery line.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
-4°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
WU150	1 1/2	38.1	1.85	47.0	0.6	25	Full	28	2”	100	.42
WU200	2	50.8	2.40	61.0	0.7	20	Full	28	3”	100	.59
WU250	2 1/2	63.5	3.07	78.0	0.9	20	Full	28	3”	100	.80
WU300	3	76.2	3.64	92.5	1.0	20	Full	28	4”	100	1.18
WU400	4	101.6	4.76	120.9	1.2	18	Full	28	6”	100	1.95
WU57M	2.24	57.0	2.60	66.0	0.7	20	Full	28	3”	100	.62

Note: 45M ID size is available upon request . . . Check with factory for minimum quantity requirements.

Series UVPE Heavy duty Polyurethane/Polypropylene reinforced material transfer hose with embedded copper grounding wire

Made in America

Abrasion Resistant-Clear Hose-Static Dissipative-Dry-Low. Temp.

Features & Benefits
- Polyurethane/polypropylene translucent construction - provides excellent physical durability and abrasion resistance.
- Smooth polyurethane liner - provides resistance to abrasion... eliminates material build up.
- Convoluted polypropylene cover - provides increased flexibility and ideal cold weather flexibility.
- Unique crush-resistant reinforced construction - hose returns to its original shape.

General Applications
- Abrasive material transfer

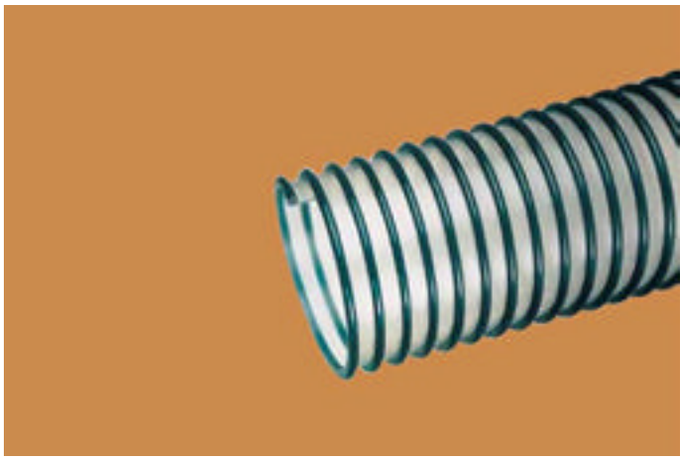
Note: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
UVPE150	1 1/2	38.1	1.87	47.5	20	7	22	14	3”	100	0.39
UVPE200	2	50.8	2.44	62.0	15	6	21	12	4”	100	0.48
UVPE250	2 1/2	63.5	2.99	75.9	10	5	19	10	5”	100	0.55
UVPE300	3	76.2	3.64	92.5	10	5	18	10	6”	100	0.68

CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

UREVAC-1 - Standard duty Polyurethane lightweight blower and ducting hose



Abrasion Resistant-Clear Hose-Air Ducting-Dry-Exposed Helix-Low. Temp.

Features and Benefits
- Lightweight polyurethane construction - provides extreme flexibility in sub-zero temperatures... ideal hose for abrasive dust collection and blower applications.
- Green exposed helix design - allows for high abrasion-resistance
- **Smooth bore** - provides unrestricted airflow when laid straight with ends secured.

General Applications
- Abrasive material chutes.
- Lawn cleaning.
- Leaf collection.
- Insulation blowing.
- Fume removal.
- Concrete surface preparation equip.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
UV1-150	1 1/2	38.1	1.82	46.2	20	7	22	14	.75”	50	.23
UV1-200	2	50.8	2.39	60.7	15	6	21	12	1.5”	50	.32
UV1-250	2 1/2	63.5	2.89	73.4	10	5	19	10	1.5”	50	.39
UV1-300	3	76.2	3.46	87.9	10	5	18	10	2.5”	50	.55
UV1-400	4	101.6	4.50	114.3	8	4	13	8	3”	50	.77
UV1-500	5	127.0	5.50	139.7	7	3	10	7	4”	50	.89
UV1-600	6	152.4	6.54	166.1	6	3	7	5	5”	50	1.15
UV1-800	8	203.2	8.59	218.2	4	2	5	3	7”	50	1.75

† NOTE: Positive and negative pressures in table are for straight length only, with ends secured (fixed). Hose tends to retract lengthwise and become progressively less flexible under increasing negative pressure when one end is free.
NOTE: Available with embedded copper grounding wire upon request . . . Check with factory for minimum quantity requirement.

Series UVF Standard duty Polyurethane food grade lightweight blower and ducting hose

Food-Abrasion Resistant-Clear Hose-Air Ducting-Dry-Exposed Helix-Low. Temp.

Features and Benefits

- Clear polyurethane construction with clear PVC helix - complies with all applicable FDA‡ and USDA★ requirements... allows visual confirmation that material is flowing. Provides high abrasion-resistance.
- Exposed clear helix design - provides high abrasion-resistance with increased flexibility... slides easily for ease of handling.
- Smooth bore construction - eliminates material build-up. General Applications

General Applications

- In-plant blower and ducting applications requiring a food grade hose.
- Abrasive material chutes.
- Pharmaceutical product transfer.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

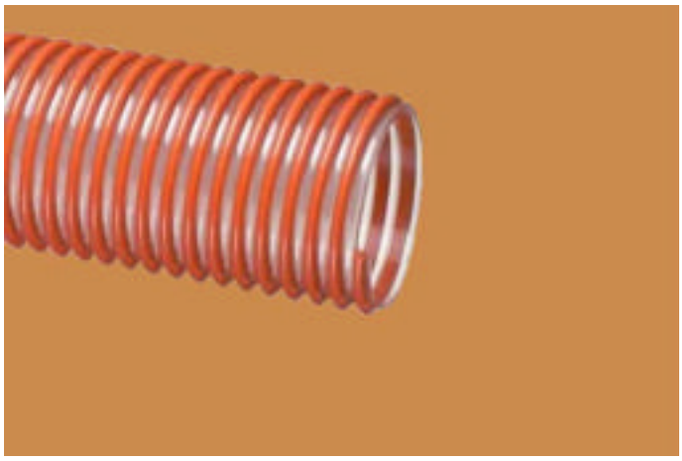
Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
UVF150	1 1/2	38.1	1.82	46.2	20	7	22	14	1”	50	.23
UVF200	2	50.8	2.39	60.7	15	6	21	12	1.5”	50	.32
UVF250	2 1/2	63.5	2.89	73.4	10	5	19	10	1.5”	50	.39
UVF300	3	76.2	3.46	87.9	10	5	18	10	2.5”	50	.55
UVF400	4	101.6	4.50	114.3	8	4	13	8	3”	50	.77
UVF500	5	127.0	5.50	139.7	7	3	10	7	4”	50	.89
UVF600	6	152.4	6.54	166.1	6	3	7	5	5”	50	1.15
UVF800	8	203.2	8.59	218.1	4	2	5	3	7”	50	1.75

‡ FDA - CFR Title 21 Parts 177.1680 and 177.2600 requirements.
★ USDA - For use in Federally-inspected meat and poultry plants.

NOTE: Available with embedded copper grounding wire upon request . . . Check with factory for minimum quantity requirement.

Series MULCH Abrasion-resistant PVC mulch & bark transfer hose



Made in America

Abrasion Resistant-Clear Hose-Low. Temp.

Features and Benefits

- Specially-blended, highly flexible clear PVC compound construction with bright red helix - provides visual confirmation that material is flowing... stays flexible, even at sub-zero temperatures.
- Superb durability - even in the worst rain, snow or cold weather!
- Lightweight - easy to handle.
- Smooth bore construction - provides unrestricted flow... eliminates material build-up and "hose bounce."

General Applications

- Mulch- or bark-blowing ground cover, moist or dry applications.
- Delivery of wood fiber, playground surfacing material, seed, or compost materials.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range

-40°F to 150°F

Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
MULCH400	4	101.6	4.57	116.0	35	15	Full	28	8”	100	1.35
MULCH500	5	127.0	5.61	142.6	30	12	24	22	14”	100	1.75
MULCH600	6	153.4	6.79	172.4	25	10	24	22	16”	100	2.42

Series GC "Ground Cover" Hose Abrasion-resistant Polyurethane-lined mulch and bark transfer hose

TigerClamp™ Spiral Double Bolt Clamps available

Made in America

Abrasion Resistant-Clear Hose-Dry-Low. Temp.

Features & Benefits
- Smooth polyurethane liner - provides resistance to abrasion... eliminates material build up.
- Convoluted HMW PVC cover - provides increased flexibility and sub-zero flexibility.
- Clear HMW PVC/polyurethane construction - allows for visual confirmation of material being transferred.
  - Series GC has black body and helix.
  - Series GC-C has clear body and black helix.

General Applications
- Ground cover delivery of dry mulch, seed, compost, wood fiber, and playground surfacing materials.

Note: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68°F	104°F	68°F	104°F			
GC400	4	101.6	4.59	116.6	1.0	30	15	28	25	6”	100	1.00
GC500	5	127.0	5.57	141.5	1.0	30	15	25	20	10”	100	1.80
GC600	6	153.4	6.67	169.5	1.0	25	12	25	20	12”	100	2.54

Series LK - "Lawn King" Abrasion-resistant low-temperature super flexible PVC blower and ducting hose

Abrasion Resistant-Air Ducting-Exposed Helix-Low. Temp.

Features and Benefits

- Special low-temperature PVC construction with black PVC helix - provides better resistance to abrasion and cracking.
  - Series LK has black body and helix.
  - Series LKC has clear body and black helix.
- Exposed helix design - provides increased flexibility and slides easily for ease of handling.
- Smooth bore construction - resists material build-up.

General Applications

- OEM lawn and leaf collection equipment.
- General ducting applications.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

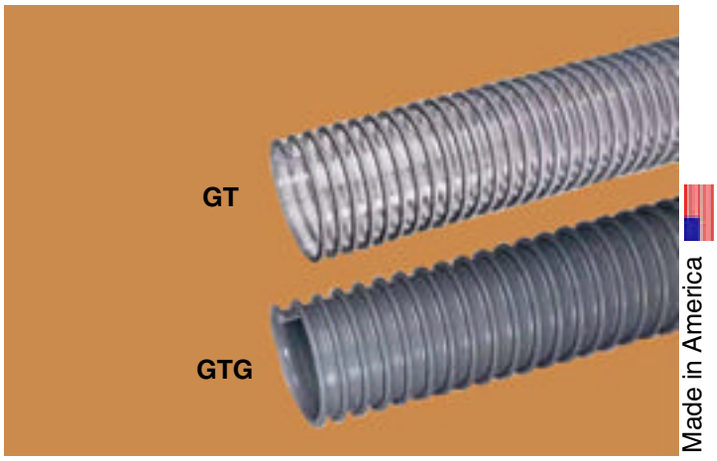
Service Temperature Range

-20°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
LK/LKC400	4	101.6	4.57	114.8	8	4	13	7	3”	100/50	.85
LK/LKC600	6	152.4	6.63	168.3	6	3	7	5	6”	100/50	1.34
* LK/LKC700	7	177.8	7.56	192.0	4	2	6	4	7”	50	1.53
LK/LKC800	8	203.2	8.63	219.3	4	5	3	8	8”	50	2.00

* Special production order size - check with factory for minimum quantity requirements.

Series GT Light duty PVC dust collection and blower hose



Clear Hose-Air Duting-Exposed Helix

Features and Benefits
- PVC construction -
  - Series GT is clear PVC with grey helix... allows visual confirmation that material is flowing.
  - Series GTG is grey PVC with grey helix.
- Exposed helix design - provides extreme flexibility and slides easily for ease of handling.
- Smooth bore construction - eliminates material build-up.

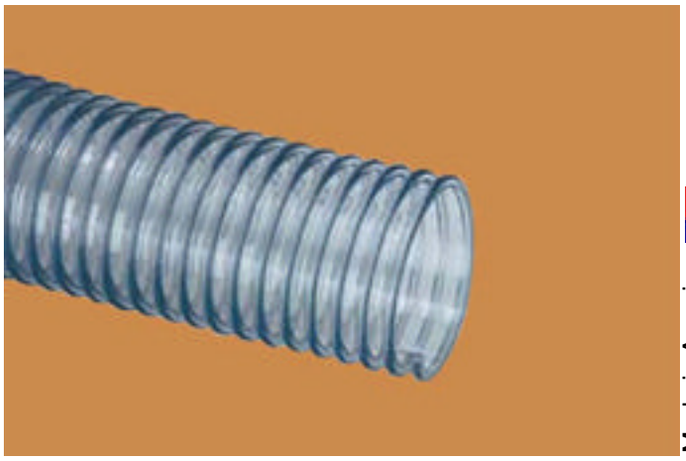
General Applications
- Dust collection.
- Fume removal.
- Air vent lines.
- Material chutes.
- Air seeder lines.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

Service Temperature Range
-4°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
GT/GTG150	1 1/2	38.1	1.82	46.2	20	7	22	14	1”	100/50	.23
GT/GTG200	2	50.8	2.39	60.8	15	6	21	12	2”	100/50	.30
GT/GTG250	2 1/2	63.5	2.89	73.4	10	5	19	10	2”	100/50	.39
GT/GTG300	3	76.2	3.46	87.9	10	5	18	10	3”	100/50	.50
GT/GTG350	3 1/2	88.9	4.02	102.0	9	4	15	8	3”	100/50	.68
GT/GTG400	4	101.6	4.50	114.3	8	4	13	7	3”	100/50	.77
GT/GTG500	5	127.0	5.50	139.7	7	3	10	6	5”	100/50	.91
GT/GTG600	6	152.4	6.54	166.1	6	3	7	5	6”	100/50	1.08
GT/GTG800	8	203.2	8.59	218.2	4	2	5	3	8”	50	1.74
GT/GTG1000	10	254.0	11.68	296.6	2	-	2	-	10”	50	2.70

Series GTF PVC food grade lightweight blower and ducting hose



Made in America

Food-Clear Hose-Air Duting-Exposed Helix

Features and Benefits

- Clear PVC construction - complies with all applicable FDA† and USDA★ requirements and 3-A Sanitary Standards¶... allows visual confirmation that material is flowing.
- Exposed helix design - provides high abrasion-resistance with increased flexibility... slides easily for ease of handling.
- Smooth bore construction - eliminates material build-up.

General Application

- In-plant blower and ducting applications requiring a food grade hose.
- Material chutes.
- Pharmaceutical product transfer.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

Service Temperature Range

-4°F to 150°F

Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
GTF150	1 1/2	38.1	1.82	46.2	20	7	22	14	1”	50	.23
GTF200	2	50.8	2.39	60.8	15	6	21	12	2”	50	.30
GTF250	2 1/2	63.5	2.89	73.4	10	5	19	10	2”	50	.39
GTF300	3	76.2	3.46	87.9	10	5	18	10	3”	50	.50
GTF400	4	101.6	4.50	114.3	8	4	13	7	3”	50	.77
GTF600	6	152.4	6.54	166.1	6	3	7	5	6”	50	1.08
GTF800	8	203.2	8.59	218.2	4	2	5	3	8”	50	1.74

†FDA - CFR Title 21 Parts 170 to 199.
★USDA - For use in Federally-inspected meat and poultry plants.
¶ 3-A Sanitary Standard - No. 20-20, Multi-use plastic materials as product contact surfaces in equipment for production, processing and handling of milk and milk products.

NOTE: Available with embedded copper grounding wire upon request . . . Check with factory for minimum quantity requirement.

Series CG "Cover Guard" - CG: Light duty PVC ducting hose - CG-SL: Factory-Slit MSHA-listed PVC Conduit

CG

CG-SL

Made in America

Clear Hose-Air Duting-Exposed Helix

- Series CG is not slit
- Series CG-SL is factory-slit

Features & Benefits
- PVC construction - clear PVC flexible with white helix... allows for visual confirmation of contents.
- MSHA (US Government) listed - for flame-resistance for use in mines.
- White exposed helix design - provides increased flexibility and slides easily for ease of handling.
- Smooth bore construction - eliminates material build up.

General Applications
- Mine supply line cover protection
- Dust collection o Fume removal
- Air vent lines
- Cable protection

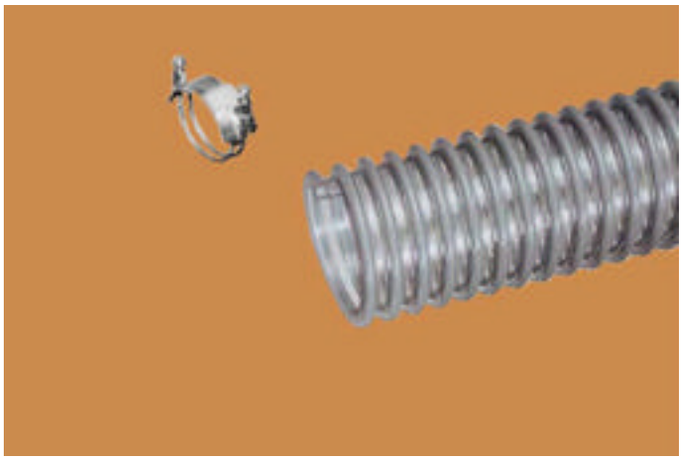
Note: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
-4°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
CG-SL100	1	25.4	1.28	31.9	n/a	n/a	n/a	n/a	.5”	100	0.14
CG-SL125	1 1/4	31.8	1.51	38.4	n/a	n/a	n/a	n/a	.75”	100	0.18
CG-SL150	1 1/2	38.1	1.76	45.1	n/a	n/a	n/a	n/a	1”	100	0.21
CG/CG-SL200	2	50.8	2.30	58.4	12	6	10	5	2”	100	0.28
CG238	2 3/8	60.3	2.76	70.1	12	6	10	5	2”	100	0.38
CG/CG-SL250	2 1/2	63.5	2.81	71.3	10	5	8	4	2”	100	0.39
CG/CG-SL300	3	76.2	3.35	85.0	8	4	7	3	3”	100	0.45
CG/CG-SL350	3 1/2	88.9	3.83	97.4	8	4	7	3	3”	100	0.51

Series WH Medium duty PVC suction, blower and ducting hose

TigerClamp™ Spiral Double Bolt Clamps available



Made in America

Liquid-Clear Hose-Air Duting-Dry

Features and Benefits
- Clear flexible PVC construction with grey helix - allows full visual confirmation of flow.
- Smooth bore construction - eliminates material build-up.
- Convoluted cover design - provides increased flexibility.

General Applications
- Medium duty suction.
- Air seeder lines.
- Dust collection.
- Fume removal.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
-4°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
WH100	1	25.4	1.22	31.0	45	15	Full	24	1”	100	.15
WH125	1 1/4	31.8	1.54	39.2	40	12	Full	24	1”	100	.20
WH150	1 1/2	38.1	1.80	45.7	40	12	Full	24	1.5”	100	.25
WH200	2	50.8	2.32	58.7	35	10	26	20	2.5”	100	.31

Tiger-Duct™ Extendo-Duct™ Polypropylene/Wire Reinforced Chemical fume air ducting hose

Made in America

Air Duting

Features and Benefits

- Chemically-resistant† - Ideal for chemical fume exhaust applications.
- Highly flexible, non-kinking.
- Self-supporting - Unique wire- reinforced polypropylene construction allows hose to maintain its shape and support itself once it is positioned.
  Note: Applications requiring larger IDs and longer lengths may require additional fixed supports to ensure intended performance.
- Highly extendible and contractible - Can be contracted to approximately one-third its full extended working length.
- Simple interlock connection - Just twist the end of one hose into the end of another. No fittings, menders or couplings needed!
- Easy end connections - custom molded cuffs available to make end connections easy.
- Light weight.
- No off-gassing.

† Note: Refer to separate catalog for Chemical Resistance Guide.

General Applications

- Ducting for air conditioning, spot cooling and heating systems.
- Room air exhaust and ventilation.
- Dust collection.
- Fume removal.
- Clean rooms Laboratories.
- OEM equipment applications (Can be compounded on special order to meet UL94HB criteria and other tests).

Service Temperature Range

-4°F to 175°F
Actual service temperature range is application-dependent.

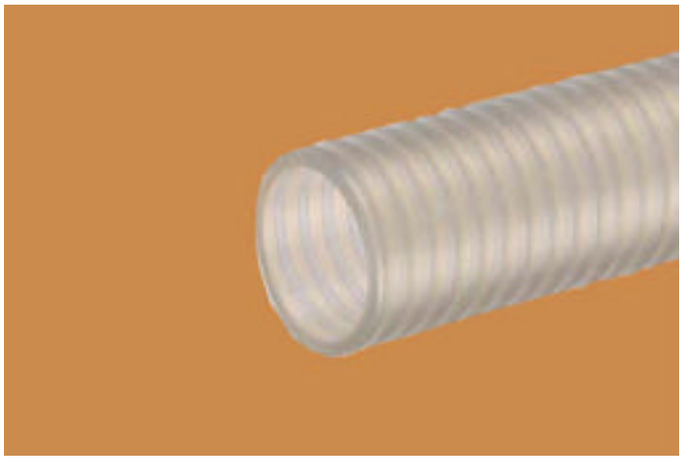
Series		ID (In./mm)	OD (In./mm)	Wire Dia. (mm)	Working Pressure (PSI)		Vacuum Rating (In. HG)		Minimum Bending Radius @ 68°F	Approx. Weight Hose Only (lbs/ft)	Approx. Contracted Shipping Length Hose Only
					68°F	104°F	68°F	104°F			
EDB-150	EDW-150	1 1/2/37.5	1.63/41.5	1.0	20	7	22	14	1.2”	0.10	85"
EDB-200	EDW-200	2/53.5	2.26/57.5	1.0	13	6	21	12	1.6”	0.12	82”
EDB-250	EDW-250	2 1/2/67.0	2.80/71.0	1.0	10	5	19	10	2.0”	0.16	72”
EDB-300	EDW-300	3/76.5	3.17/0.5	1.0	10	5	18	10	2.3”	0.18	72”

Series		ID (In./mm)	OD (In./mm)	Wire Dia. (mm)	Working Pressure (PSI)		Vacuum Rating (In. HG)		Minimum Bending Radius @ 68°F	Approx. Weight Hose Only (lbs/ft)	Approx. Contracted Shipping Length Hose Only
					68°F	104°F	68°F	104°F			
EDB-400	EDW-400	4/102.0	4.17/106.0	1.2	8	4	13	7	3.0”	0.23	70"
EDB-500	EDW-500	5/127.5	5.18/131.5	1.2	7	3	10	6	4.3”	0.27	70"
EDB-600	EDW-600	6/155.0	6.26/159.0	1.2	6	3	7	5	5.1”	0.33	70"
EDB-800	EDW-800	8/202.0	8.19/208.0	1.8	4	2	5	3	7.0”	0.68	70"
EDB-1000	EDW-1000	10/253.0	10.22/259.5	1.8	3	1	4	2	9.0”	0.83	70"
EDB-1200	EDW-1200	12/302.0	12.13/308.0	1.8	2	1	3	1	11.0”	0.91	70"

14" size also available - check with factory for details.

Note: The true ID dimension of the hose can only be measured while the hose is fully extended. The true ID becomes smaller while the hose is in the contracted state. When cutting this hose, care should be taken to fully extend the length to prevent shortages. Service life may vary depending on operating conditions and type of material being conveyed.

Series OV Oil Vac™ Heavy duty polyurethane hose for liquid-oil or dry material applications



Abrasion Resistant-Liquid-Clear House-Dry-Low. Temp.

Features & Benefits
- Clear polyurethane construction - allows visual confirmation that material is flowing. Reinforced with a PVC rigid helix.
- Smooth bore construction - eliminates material build up.
- Smooth cover - makes clamping easier.

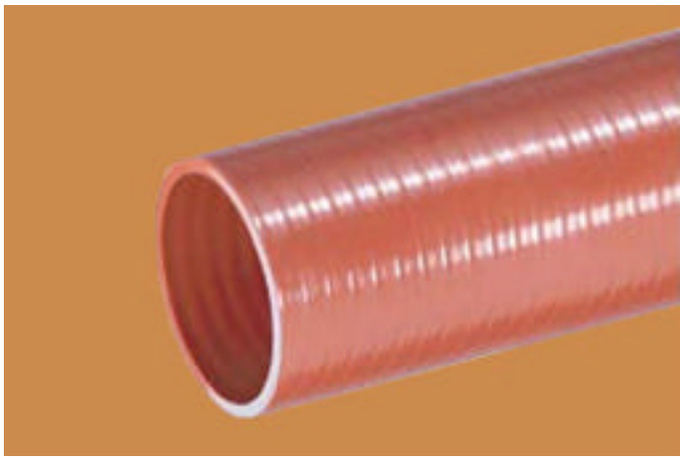
General Applications
- Pneumatic conveying systems for pellets or granular materials.
- Oil, fuel & grease transfer.
- Cold weather material handling applications.

Note: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
OV100	1	25.4	1.26	32.0	85	60	28	26	3"	100	0.23
OV125	1 1/4	31.7	1.49	37.8	85	60	28	24	5”	100	0.30
OV150	1 1/2	38.1	1.76	44.6	70	50	28	24	5”	100	0.35
OV200	2	50.8	2.32	59.0	65	45	28	24	7”	100	0.55
OV250	2 1/2	63.5	2.87	73.0	65	45	28	24	8”	100	0.82
OV300	3	76.2	3.41	86.7	65	40	28	22	10”	100	1.09

Series ORV Oil-Resistant PVC Hose



Made in America

Liquid-Air Ducting-Low. Temp.

Features & Benefits
- Special orange PVC formulation - meets the requirements of controlled collection, recovery and transfer of hydrocarbon emissions.
- Smooth PVC cover - allows for ease of coupling.
- Smooth bore construction - allows unrestricted flow.

General Applications
- Light duty oil suction
- Oil slurry handling
- Recovery and transfer of hydrocarbon emissions

Note: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
-40°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
ORV075	3/4	19.0	1.01	25.6	100	60	28	26	3”	100	0.19
ORV100	1	25.4	1.26	32.0	80	50	28	26	3”	100	0.24
ORV125	11/4	31.8	1.51	38.3	80	50	28	26	4”	100	0.30
ORV150	11/2	38.1	1.76	44.6	60	40	28	24	5”	100	0.35
ORV200	2	50.8	2.32	59.0	60	40	28	24	7”	100	0.55
ORV300	3	76.2	3.41	86.7	65	40	28	22	102	100	1.09

Series WOR PVC vapor recovery hose

Made in America

Liquid-Air Ducting

Features & Benefits

- **Special PVC construction** - provides durablility... is specially formulated to meet the requirements of controlled collection, recovery and transfer of hydrocarbon emissions. Color is brick orange. Banding sleeves are recommended for use with vapor recovery hoses to relieve the stress behind each fitting.
- **Convoluted cover** - allows greater flexibility. **Smooth bore construction** - allows unrestricted flow.

General Applications

- Recovery and transfer of hydrocarbon emissions.
- Light duty oil suction.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range
5°F to 150°F
Actual service temperature range is application-dependent.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
WOR150	1 1/2	38.1	1.92	48.8	50	25	28	24	3”	100	.31
WOR200	2	50.8	2.40	61.0	40	20	28	24	4”	100	.50
WOR300	3	76.2	3.64	92.5	40	20	28	24	6”	100	1.17
WOR400	4	101.6	4.72	119.9	35	18	28	22	10”	100	1.74

Series WOR PVC vapor recovery hose

Made in America

PVC banding sleeve - Banding sleeve (shown at left) is available for use with 3" and 4" vapor recovery hoses. Standard length is 3 ft. and is easily cut to required length.

Series	Fits	Standard length	Wight (lbs/each)
SLV-YL3X3	WOR300	3 ft.	4.0
SLV-YL4X2	WOR400	3 ft.	5.8

Petroleum Resistance Guide for Series ORV and WOR Hoses

	70°F	125°F	150°F		70°F	125°F	150°F		70°F	125°F	150°F
Gasoline Vapor	A	X	X	Transmission Fluid	A	B	X	Gas Oil	A	A	X
Kerosene Vapor	A	B	X	Lubricating Oil	A	B	X	Fuel Oil	A	A	X
Train Oil	A	X	X	Turbine Oil	A	B	X	Dynamo Oil	A	A	B
Soy Bean Oil	A	X	X	Spindle Oil	A	B	X	Machine Oil	A	A	B
Caster Oil	A	X	X					ASTM #3 Oil	A	A	B

KEY: A - Recommended for the service and conditions shown. B - Limited service. X - Not recommended.

Banding Coils For both food grade & non-food grade applications

Made in America

Banding Coils are designed to fit in between the corrugated helixes of Tigerflex® brand hoses to provide a smoother surface and firmer seat for hose bands and clamps. Banding Coils help reduce external hose damage from improperly placed clamps and bands. Bands or clamps should be installed over the Banding Coil.
Tigerflex® Banding Coils are made of new, stronger food grade PVC, for use in both food grade and non-food grade applications. Packaged singly: One piece makes one hose assembly (two coupled ends). Hose assembler to cut the one piece into two separate pieces — one piece for each hose end.

Clear Banding Coils

Part No.	Fits Nominal Hose Size	Approx. Weight (lbs/ea.)
BCCF1.5	1 1/2”	0.65
BCCF2	2”	0.70
BCCF3	3”	0.80
BCCF4	4”	0.90
BCCF5	5”	1.10
BCCF6	6”	1.30
BCCF8	8”	1.40

Banding Sleeves Fits Tigerflex® hoses Series WOR & Series 2020

Made in America

Banding Sleeves are designed to be threaded onto the outside of each end of the hose to relieve the stress from excess bending at the coupling area. Bands or clamps should be installed over the Banding Sleeve. It is suggested that at least 12 inches of Banding Sleeve be used at each coupled end. Hose assembler to cut to length. Made of yellow non-food grade flexible PVC.

Yellow Banding Sleeves

Part No.	Fits Nominal Hose Size	Standard Length	Weight (lbs/ea.)
SLV-YL3X3	3”	3 Ft.	3.7
SLV-YL4X3	4”	3 Ft.	5.3

TigerClamp™ Spiral Double Bolt Clamps

Caution: Proper evaluation of holding power for clamp must be determined for each individual installation.

Threaded protective cap (provided on all sizes) helps prevent injury.

Made in America

For use on Tigerflex® hoses with convoluted cover (counter-clockwise spiral only).

For adequate holding power, a single clamp may be used on each end for 11/2" - 4" ID hose. Two clamps are recommended for each end on 5" ID hose and larger.

NOTE: Use of pneumatic air tools for tightening purposes is not recommended due to potential clamp damage caused by excess torque. Both hex nuts should be tightened equally to prevent possible leakage. If sockets are used, they should be deep well sockets.

Series	Fits Hose ID (In.)	Series	Fits Hose ID (In.)
SDBC-1.5	1 1/2	SDBC-4	4”
SDBC-2	2”	SDBC-5	5”
SDBC-2.25	2 1/4”	SDBC-6	6”
SDBC-2.5	2 1/2”	SDBC-8	8”
SDBC-3	3”	SDBC-10	10”
SDBC-3.5	3 1/2”	SDBC-12	12”

TigerClamp™ Spiral Double Bolt Clamps are recommended for use on the following Tigerflex® convoluted hoses:

Series 2020
Series 2001
Series WT
Series WE
Series WBS
Ureflex-1
Ureflex-2
Series UBK
Series PF
Urevac-3
Series WU
Series GC
Series GC-C
Series CG
Series WH
Series WSTF
Series WST
Series W
Series WG
Series BW
Series S
Series F
Series G
Series H
Series J
Series K

Aluminum Swivel Cam & Groove Couplings

Our specially-designed swivel quick-couplers minimize the torque and twisting that occurs when a hose is in service. Suggested for use with 4" ID 2020, 2001, PF and WU Series hoses.

Made in America

Investment cast stainless steel LTW™ (Lifetime Warranted) handles with Z-Lok™ patented locking feature.

Stainless steel ball bearings ensure smooth swivel action.

New SmoothFlow™ tapered throat design provides full flow... reduces pressure drop and material build-up in hose.

SureSeal™ Aluminum Collar Clamp (included) provides positive seal... eliminates cutting of hose at shank end.

White Nitrile gasket helps prevent product contamination.

Made in America

White Nitrile gasket helps prevent product contamination.

Female Aluminum Swivel Part "C" with Collar Clamp

Part Number	Size	Weight Each
SCAL-C400	4”	5.50

Male Aluminum Part "E" with Collar Clamp

Part Number	Size	Weight Each
SCAL-E400	4”	3.20

SureSeal™ Aluminum Collar Clamp with Allen Wrench and Cap Screws

Part Number	Size	Weight Each
AL-SVC400	4”	1.70

White Nitrile (BUNA-N) Gasket

Part Number	Size	Weight Each
WNIT400	4”	0.66

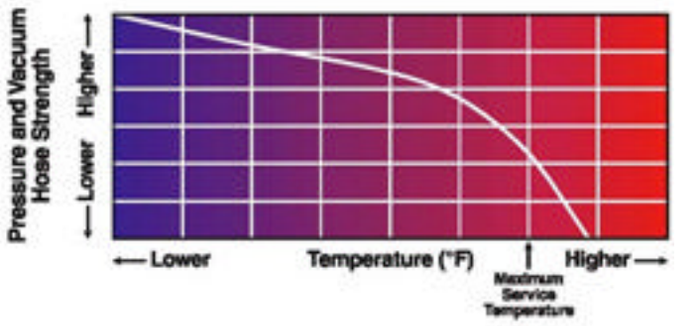
NOTE: Swivel Couplings are fully interchangeable with any other adapters made to MIL Specs.

Care, maintenance and storage of Tigerflex® hose

Proper storage conditions and handling procedures can enhance and substantially extend the ultimate life of *Tigerflex*® hose.
Hose has limited life and the user must be alert to signs of impending failure. The service life of our hose is dependent upon the user's application. Since we have no control over the way in which the hose is used, we do not warrant our hose for any particular service life.
Tigerflex® hose should not be subjected to any form of abuse in storage or service.
Care should be taken to protect the hose from heavy load factors. Hose should be stored flat on smooth surfaces, and should not be stacked more than six coils high. Stacking hose higher than this could cause the compression load factor on the bottom coil to exceed the hose's design load limitations, causing the bottom coil to flatten out.
Hose should not be stored outdoors due to potential damage from the elements, which may shorten hose life.
Hose should not be stored in an upright manner, as this can cause the round coils to become egg shaped, and that stress can cause a deterioration of the hose.
Hose should not be kinked or run over by any equipment. In the handling of larger ID hose, dollies should be used in transporting whenever possible. Slings or handling rigs, properly placed, should be used to support heavier hose, as there is no fabric or wire reinforcements in the hose to provide longitudinal support.

The Effect of Temperature on Working Pressure & Vacuum Ratings

Pressure and vacuum hose strength decreases as temperature increases



As a general rule, the working pressure and vacuum ratings for plastic reinforced hoses are based on room temperature conditions. The maximum allowable working pressure or vacuum/suction for a hose decreases as the temperature increases and the material becomes softer and more elastic. Excessive bending of a hose while in service can also affect the allowable service application working pressure and vacuum.
Working pressure and vacuum ratings can be affected significantly by the type of fitting used, the method of attachment, and the temperature to which the hose assembly is exposed in service. The graph below demonstrates the overall trend.

Working Pressure Ratings

Working pressure and vacuum ratings are given in this catalog at 68°F and 104°F. Between 104°F and the maximum service temperature, it must be noted that a rapid decline in the pressure or vacuum rating of the hose may occur, and all factors relating to the hose, fittings and service conditions must be taken into consideration.
No warranty is expressed or implied, as applications and methods of fitting installation may vary widely. Before placing a hose in service, the user must determine the suitability of the product under the correct working conditions, and assumes all risk and liability in connection therewith.

Chemical Resistance Guide

Many new materials have been developed to handle the wide range of modern chemicals being used in industry today. Many of these materials are now being used in the construction of *Tigerflex*® hose.

The Chemical Resistance Guide which appears on the following pages has been prepared to assist the user in the selection of the correct hose for the application.

These recommendations are based on laboratory and test reports which are, to the best of our knowledge, complete and accurate. However, the degree of chemical resistance of any given material depends upon many variables, including such factors as length of exposure, temperature, pressure, fluid velocity, and chemical concentration.

Therefore, no guarantee is expressed or implied by our publication of this Chemical Resistance Guide. If an element of doubt exists, we advise that a sample of the specific hose selected be obtained and tested under actual conditions.

Furthermore, listings in this Chemical Resistance Guide do not imply conformance to any U. S. Department of Agriculture (USDA), Food and Drug Administration (FDA) or any other federal, provincial or state laws which may be applicable when handling food products. For information on the conformance of any specific hose product with FDA, USDA, or 3-A Sanitary Standards, please refer to the notes accompanying the information and specifications for each hose featured in this catalog.

Warning

The Chemical Resistance Guide shown on the following pages is intended for general guidance only.
The information contained therein is based upon tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No warranty is expressed or implied, as specific application parameters, such as temperature, pressure and chemical concentrations vary widely. Furthermore, use of these hoses for handling multiple chemical products, either singly or as a mixture, may introduce uncontrollable factors relating to chemical resistance.

Before using any hose, the user is responsible for determining the suitability of the hose for the intended application. Therefore, the user assumes all risk and responsibility for determining the suitability of any hose for handling any chemical or chemicals.

The following materials are used in the construction of *Tigerflex*® hoses:

Flex Material	*Tigerflex* Hose	
Polyvinyl Chloride (PVC)	Series WT	Series WSTF
	Series WE	Series WST
	Series WBS	Series W
	Series MULCH	Series WG
	Series LK/LKC	Series CF
	Series GT/GTG	Series BW
	Series GTF	Series S
	Series CG/CG-SL	Series F/G
	Series WH	Series H/J/K
	Series FT	Series MH
	Series MILK/MILK-LT	Spa Hose

Flex Material	*Tigerflex* Hose	
Thermoplastic Polyurethane (TPU)	Series 2020	Urevac-3
	Series 2001	Series WU
	Ureflex-1	Series UVPE
	Ureflex-2	Urevac-1
	Series UBK	Series UVF
	Series PF	Series GC/GC-C
	Urevac-2	Series OV

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Acetaldehyde	U	U	U	U
Acetaldehyde 40 Pct.	—	—	—	—
Acetate Solvents-Crude	U	U	L	U
Acetate Solvents-Pure	U	U	L	U
Acetic Acid 0-10 Pct.	G	L	U	U
Acetic Acid 10-20 Pct.	G	L	U	U
Acetic Acid 20-30 Pct	G	L	U	U
Acetic Acid 30-60 Pct.	G	L	U	U
Acetic Acid 80 Pct.	L	L	U	U
Acetic Acid Vapors	G	G	U	U
Acetic Acid-Glacial	L	U	U	U
Acetic Anhydride	U	U	U	U
Acetone	U	U	L	U
Acetylene	E	E	E	E
Acrylonitrile	E	G	—	—
Adipic Acid	G	L	U	U
Alcohol (See Type)	—	—	—	—
Allyl Alcohol 96 Pct.	U	U	U	U
Allyl Chloride	L	L	U	U
Alum	E	E	E	E
Aluminum Acetate	G	L	—	—
Aluminum Chloride	E	E	L	L
Aluminum Fluoride	E	E	E	E
Aluminum Hydroxide	E	L	G	L
Aluminum Nitrate	E	E	E	E
Aluminum Oxalate	—	—	—	—
Aluminum Oxychloride	E	E	—	—
Aluminum Sulfate	E	E	E	E
Ammonia – Aqueous	L	U	L	U
Ammonia – Dry Gas	L	U	L	U
Ammonia-Liquid	U	U	L	U
Ammoniated Latex	E	L	—	—
Ammonium Bicarbonate	—	—	—	—
Ammonium Carbonate	E	E	E	E
Ammonium Chloride	E	E	G	L
Ammonium Fluoride 25 Pct.	U	U	L	U
Ammonium Hydrosulphide	—	—	—	—
Ammonium Hydroxide 28 Pct.	G	G	L	U
Ammonium Metaphosphate	E	E	G	G
Ammonium Nitrate	E	E	G	G
Ammonium Persulfate	E	E	G	G
Ammonium Phosphate (Ammoniacal)	—	—	—	—
Ammonium Phosphate-Neutral	E	E	G	G
Ammonium Sulfate	E	E	E	E
Ammonium Sulfide	E	E	E	E
Ammonium Thiocyanate	E	E	G	G
Amyl Acetate	U	U	U	U
Amyl Alcohol	L	U	U	U
Amyl Chloride	U	U	—	—
Aniline	L	U	U	U
Aniline Chlorohydrate	U	U	U	U
Aniline Hydrochloride	U	U	U	U
Aniline Sulphate	—	—	—	—

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Barley	E	U	—	—
Beer	E	E	—	—
Beet-Sugar Liquor	E	E	—	—
Benzaldehyde	U	U	U	U
Benzene	U	U	L	U
Benzene-Sulfonic Acid 10 Pct.	E	E	U	U
Benzoic Acid	G	L	U	U
Benzol	U	U	L	U
Benzyl Alcohol	—	—	—	—
Berries	E	E	—	—
Bismuth Carbonate	E	E	E	E
Black Liquor (Paper industry)	E	E	—	—
Bleach-12.5 Pct. Active CL	G	L	L	U
Borax	E	G	E	E
Bordeaux Mixture	E	E	—	—
Boric Acid	E	E	U	U
Boron Trifluoride	E	E	E	E
Brine	E	E	G	U
Bromic Acid	E	L	U	U
Bromine-Liquid	U	U	U	U
Bromine-Water	U	U	U	U
Brussel Sprouts	E	E	—	—
Butadiene	L	U	—	—
Butane	E	E	E	E
Butanediol	—	—	—	—
Butanol-Primary	U	U	L	U
Butanol-Secondary	U	U	L	U
Butter	G	L	—	—
Butyl Acetate	U	U	L	U
Butyl Alcohol	E	L	L	U
Butyl Cellosolve	U	U	—	—
Butyl Phenol	L	U	—	—
Butylene	E	G	E	E
Butynedial (Erythritol)	U	U	U	U
Butyraldehyde	—	—	—	—
Butyric Acid 20 Pct.	L	U	L	U
Calcium Bisulfite	E	E	E	E
Calcium Carbonate	E	E	E	E
Calcium Chlorate	E	E	G	L
Calcium Chloride	E	E	L	U
Calcium Hydroxide	E	E	G	L
Calcium Hypochlorite	E	E	U	U
Calcium Nitrate	E	E	E	E
Calcium Phosphate	—	—	—	—
Calcium Sulfate	E	E	E	E
Camphor Oil	—	—	—	—
Cane Sugar Liquors	E	E	—	—
Carbon Bisulfide	U	U	—	—
Carbon Dioxide (Aqueous Solution)	E	E	E	E
Carbon Dioxide Gas (Wet)	E	E	E	E
Carbon Disulphide	U	U	—	—
Carbon Monoxide	E	E	E	E
Carbon Tetrachloride	U	U	L	U
Carbonic Acid	E	E	U	U

Key: E - Excellent G - Good L - Limited U - Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Animal Oils	E	G	—	—
Anthraquinone	E	E	—	—
Anthraqunonesulfonic Acid	E	E	U	U
Antimony Pentaculcride	—	—	—	—
Antimony Trichloride	E	E	E	E
Apple (Sauce or Juice)	E	E	—	—
Aqua Regia	L	U	U	U
Aromatic Hydrocarbons	U	U	—	—
Arsenic Acid 80 Pct.	E	G	U	U
Arylsulfonic Acid	L	U	U	U
Asphalt	U	U	E	E
ASTM Fuel #1 Oil	G	L	E	E
ASTM Fuel #3 Oil	L	U	E	E
ASTM Fuel A	G	L	E	E
ASTM Fuel B	U	U	G	L
ASTM Fuel C	U	U	G	L
Baby Food	E	E	—	—
Barium Carbonate	E	E	E	E
Barium Chloride	E	E	E	E
Barium Hydroxide	E	E	G	L
Barium Sulfate	E	E	E	E
Barium Sulfide	E	E	E	E
Chromic Acid 10 Pct.	G	L	U	U
Chromic Acid 25 Pct.	G	L	U	U
Chromic Acid 30 Pct.	L	U	U	U
Chromic Acid 40 Pct.	L	U	U	U
Chromic Acid 50 Pct.	L	U	U	U
Chromic Acid Plating Solution	—	—	U	U
Cider	—	—	—	—
Citric Acid	E	E	U	U
Coal Tar	U	U	U	U
Coconut Oil	L	U	E	E
Cola Drinks	E	E	—	—
Copper Chloride	E	G	E	E
Copper Cyanide	E	E	—	—
Copper Fluoride 2 Pct.	E	E	E	E
Copper Nitrate	E	G	E	E
Copper Sulfate	E	G	E	E
Core Oils	E	E	E	E
Corn Oils	E	G	—	—
Cottonseed Oil	G	L	E	E
Creosote	U	U	—	—
Cresol	U	U	L	U
Cresylic Acid 50 Pct.	U	U	U	U
Crude Oil-Sour	E	E	E	E
Crude Oil-Sweet	E	E	E	E
Cyclohexane	L	U	—	—
Cyclohexanol	U	U	L	U
Cyclohexanone	U	U	U	U
Demineralized Water	E	E	G	U
Detergents, Synthetic	E	G	—	—
Developers, Photographic	E	E	—	—
Dextrin	E	E	E	E
Dextrose	E	G	E	E
Di-acetone Alcohol	—	—	—	—
Di-isodecyl Phthalate	U	U	—	—
Diazo Salts	E	E	—	—
Dibutyl Phthalate	U	U	—	—

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Carrots	E	E	—	—
Casein	E	G	E	E
Castor Oil	E	E	E	E
Catsup	E	G	—	—
Caustic Potash	E	E	L	U
Caustic Soda	E	E	L	U
Cellosolve	L	U	G	L
Cheese	E	G	—	—
Cherries	E	E	—	—
Chloracetic Acid	E	U	U	U
Chloral Hydrate	E	E	G	L
Chloric Acid 20 Pct.	E	E	U	U
Chlorinated Hydrocarbons	U	U	—	—
Chlorine Gas (Dry)	E	E	U	U
Chlorine Gas (Moist)	L	U	U	U
Chlorine Water 2 Pct.	L	U	L	U
Chlorine Water Saturated	—	—	—	—
Chlorobenzene	U	U	U	U
Chloroform	U	U	U	U
Chlorsulfonic Acid	L	U	U	U
Chocolate	G	L	—	—
Chrome Alum	E	E	E	E
Fluorine Gas-Wet	U	U	U	U
Fluoroboric Acid	E	E	E	E
Fluorosilicic Acid	E	E	U	U
Fluorosilicic Acid 40 Pct.	—	—	—	—
Fluorosilicic Acid Concentrate	—	—	—	—
Food Products, such as Milk, Buttermilk, Molasses, Salad Oils, Fruit	E	E	—	—
Foric Acid	E	L	U	U
Formaldehyde 40 Pct. Aqueous	U	U	—	—
Formic Acid 10 Pct.	E	G	U	U
Formic Acid 100 Pct.	U	U	U	U
Formic Acid 25 Pct.	E	G	—	—
Formic Acid 3 Pct.	E	G	U	U
Formic Acid 50 Pct.	L	U	U	U
Freon-12	E	G	E	E
Fructose	E	E	E	E
Fruit Pulps and Juices	E	E	E	E
Fuel Oil	G	L	E	E
Furfural	U	U	U	U
Furfuryl Alcohol	E	L	—	—
Gallic Acid	E	E	—	—
Gas-Coke Oven	G	G	G	G
Gas-Manufactured	U	U	—	—
Gas-Natural (Dry)	E	E	E	E
Gas-Natural (Wet)	E	E	E	E
Gasoline	U	U	—	—
Gasoline – Refined	L	U	E	G
Gasoline – Sour	L	U	E	G
Gelatine	E	E	E	E
Gin	E	G	—	—
Ginger Ale	E	E	—	—
Glucose	E	E	E	E
Glycerine (Glycerol)	E	E	E	E
Glycol	E	E	G	G
Glycolic Acid 30 Pct.	E	E	U	U
Grade Sugar	—	—	—	—

Key: E - Excellent G - Good L - Limited U - Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Dichlorobenzene	U	U	—	—
Diesel Oils	L	U	—	—
Diethyl Ether	—	—	—	—
Diethyl Ether	L	U	—	—
Diethylene Glycol	E	E	—	—
Diglycolic Acid	E	G	—	—
Dimethylamine	U	U	U	U
Dioctyl Phthalate	U	U	—	—
Diotylphthalate	U	U	G	L
Disodium Phosphate	E	E	E	E
Distilled Water	E	E	G	U
Eggs (yolks or white)	E	E	—	—
Emulsifiers	E	E	—	—
Emulsions, Photographic	E	E	—	—
Ethers	U	U	G	L
Ethyl Acetate	U	U	L	U
Ethyl Acrylate	U	U	—	—
Ethyl Alcohol	G	L	—	—
Ethyl Alcohol 0-50 Pct.	G	L	G	L
Ethyl Alcohol 50-98 Pct.	L	U	L	U
Ethyl Butyrate	—	—	—	—
Ethyl Chloride	U	U	U	U
Ethyl Ether	U	U	G	L
Ethyl Formate	—	—	—	—
Ethylene Bromide	E	U	U	U
Ethylene Dichloride	U	U	U	U
Ethylene Glycol	E	E	G	L
Ethylene Oxide	U	U	U	U
Fatty Acids	E	G	G	L
Ferric Chloride	E	E	G	L
Ferric Nitrate	E	E	E	E
Ferric Sulfate	E	E	E	E
Ferrous Ammonium Citrate	—	—	—	—
Ferrous Chloride	E	E	E	E
Ferrous Sulfate	E	E	E	E
Figs	E	E	—	—
Fish Solubles	E	E	E	G
Fixing Solution Photographic	E	G	—	—
Flour	E	U	—	—
Fluorine Gas-Dry	U	U	U	U
Jet Fuels JP 3,4,5	U	U	G	L
Kerosene	U	U	E	G
Ketones	U	U	—	—
Kraft Liquor (Paper industry)	E	E	—	—
Lacquer Thinners	L	U	G	—
Lactic Acid 28 Pct.	E	E	U	U
Lard (marginal)	G	L	—	—
Lard Oil	E	G	E	G
Lauric Acid	E	E	L	U
Lauryl Chloride	E	E	E	G
Lauryl Sulfate	E	E	—	—
Lead Acetate	E	E	E	E
Lead Arsenate	—	—	—	—
Lead Nitrate	—	—	—	—
Lead Tetra-ethyl	—	—	—	—
Lemon Juice	E	G	—	—
Lime Sulfur	E	E	—	—
Linoleic Acid	E	E	L	U

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Grape Juice	E	E	—	—
Grapefruit Juice	E	E	—	—
Grease	E	L	—	—
Green Liquor (Paper industry)	E	E	—	—
Heptachlor	E	L	—	—
Heptane	L	U	E	—
Hexadecanol	—	—	—	—
Hexane	L	U	—	—
Hexanol, Tertiary	L	U	G	—
Honey	E	E	—	—
Hydrochloric Acid 10 Pct.	E	E	U	U
Hydrochloric Acid 48 Pct.	E	L	U	U
Hydrocyanic Acid 10 Pct.	—	—	—	—
Hydrofluoric Acid 10 Pct.	G	L	U	U
Hydrofluoric Acid 4 Pct.	G	G	U	U
Hydrofluoric Acid 48 Pct.	G	U	U	U
Hydrofluoric Acid 60 Pct.	G	U	U	U
Hydrofluoroboric Acid	E	E	—	—
Hydrofluorosilic Acid	G	L	U	U
Hydrogen	E	G	E	E
Hydrogen Bromide (Dry)	—	—	—	—
Hydrogen Chloride (Dry) (Liquid)	—	—	E	E
Hydrogen Cyanide	E	E	U	U
Hydrogen Peroxide 3 –12 Pct.	E	G	—	—
Hydrogen Peroxide 30 Pct.	E	G	G	L
Hydrogen Peroxide 50 Pct.	E	L	L	U
Hydrogen Peroxide 90 Pct.	U	U	U	U
Hydrogen Phosphide	E	L	—	—
Hydrogen Sulfide – Aqueous Solution	E	E	—	—
Hydrogen Sulfide – Dry	E	E	—	—
Hydrombromic Acid 20 Pct.	E	G	U	U
Hydroquinone	E	E	E	E
Hydroxylamine Sulfate	E	E	—	—
Hypochlorous Acid	E	E	L	U
Inks	—	—	—	—
Iodine (In Alcohol)	U	U	U	U
Iso-octane	G	L	—	—
Isopropyl Acetate	U	U	—	—
Isopropyl Alcohol	E	G	—	—
Jelly	E	E	—	—
Oleum	U	U	U	U
Olives	E	E	—	—
Orange Juice	E	E	—	—
Oxalic Acid	E	E	U	U
Oxygen	E	E	E	E
Ozone	L	U	—	—
Palmitic Acid 10 Pct.	E	G	U	U
Palmitic Acid 70 Pct.	L	U	U	U
Paraffin	E	G	—	—
Peaches	E	E	—	—
Peanut Butter	E	G	—	—
Peas	E	E	—	—
Pentachlorophenol in Oil	G	L	—	—
Pentane	G	U	—	—
Peracetic Acid 40 Pct.	U	U	U	U
Perchloric Acid 10 Pct.	G	L	U	U
Perchloric Acid 70 Pct.	L	U	U	U
Perchlorethylene	U	U	—	—

Key: E - Excellent G - Good L - Limited U - Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Linseed Oil	E	E	E	E
Liquors (Chemical)	E	G	—	—
Lubricating Oils	U	U	E	E
Magnesium Carbonate	E	E	E	E
Magnesium Chloride	E	E	G	L
Magnesium Hydroxide	E	E	G	L
Magnesium Nitrate	E	E	E	E
Magnesium Sulfate	E	E	E	E
Maleic Acid 25 Pct. Aqueous	E	E	L	U
Maleic Acid 50 Pct.	—	—	—	—
Maleic Acid Concentrated	—	—	—	—
Malic Acid	E	E	L	U
Manganese Suphate	—	—	—	—
Mayonnaise	E	E	—	—
Mercuric Chloride	G	G	G	L
Mercuric Cyanide	G	G	—	—
Mercurous Nitrate	G	G	G	G
Mercury	G	G	—	—
Metallic Soaps	—	—	—	—
Methyl Acetate	U	U	—	—
Methyl Alcohol	L	U	L	U
Methyl Bromide	U	U	—	—
Methyl Chloride	U	U	U	U
Methyl Ethyl Ketone	U	U	L	U
Methyl Isobutyl Ketone	U	U	—	—
Methyl Sulfate	E	G	E	G
Methyl Sulfuric Acid	E	E	U	U
Methylated Spirit	—	—	—	—
Methylene Chloride	U	U	U	U
Milk	E	E	—	—
Mineral Oils	E	G	E	E
Mineral Spirits	—	—	—	—
Molasses	E	E	E	E
Monochlorobenzene	U	U	—	—
Naphtha	U	U	E	E
Napthalene	L	U	—	—
Nickel Acetate	E	E	E	E
Nickel Chloride	E	E	E	E
Nickel Nitrate	E	E	E	E
Nickel Sulphate	E	E	E	E
Nicotine	E	E	E	E
Nicotine Acid	E	G	L	U
Nitric Acid (Anhydrous)	U	U	U	U
Nitric Acid 10 Pct.	E	G	U	U
Nitric Acid 25 Pct.	G	L	U	U
Nitric Acid 35 Pct.	G	L	U	U
Nitric Acid 40 Pct.	G	L	U	U
Nitric Acid 50 Pct.	—	—	—	—
Nitric Acid 60 Pct.	G	U	U	U
Nitric Acid 68 Pct.	L	U	U	U
Nitric Acid 70 Pct.	U	U	—	—
Nitrobenzene	U	U	U	U
Nitrous Oxide	E	E	E	E
Oats	E	U	—	—
Octyl Alcohol	—	—	—	—
Oils and Fats	E	G	E	E
Oils, Petroleum	E	G	E	E
Oleic Acid	G	L	U	U

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Petrol	U	U	—	—
Petroleum Ether	L	L	—	—
Phenol	U	U	U	U
Phenylhydrazine	U	U	—	—
Phenylhydrazine Hydrochloride	L	U	—	—
Phosgene (Gas)	E	G	—	—
Phosgene (Liquid)	U	U	—	—
Phosphoric Acid — 0-25 Pct.	E	E	U	U
Phosphoric Acid — 25-50 Pct.	E	E	U	U
Phosphoric Acid — 50-90 Pct.	E	E	U	U
Phosphorus (Yellow)	G	L	—	—
Phosphorus Pentoxide	U	U	—	—
Phosphorus Trichloride	U	U	—	—
Photographic Chemicals	E	E	E	G
Photographic Developers	—	—	—	—
Photographic Emulsions	—	—	—	—
Photographic Fixers	—	—	—	—
Picric Acid	U	U	U	U
Pineapple Juice	E	E	—	—
Pitch	G	L	—	—
Plating Solutions	—	—	—	—
Brass	E	E	E	E
Cadmium	E	E	E	E
Chromium	G	G	G	G
Copper	E	E	E	E
Gold	E	E	E	E
Judium	E	E	E	E
Lead	E	E	E	E
Nickel	E	E	E	E
Rhodium	E	E	E	E
Silver	E	E	E	E
Tin	E	E	E	E
Zinc	E	G	E	E
Potassium Acid Sulfate	E	E	E	E
Potassium Antimonate	E	E	E	E
Potassium Bicarbonate	E	E	E	E
Potassium Bichromate	E	E	E	E
Potassium Bisulfite	E	E	E	E
Potassium Bisulphate	—	—	—	—
Potassium Borate 1 Pct.	E	E	E	E
Potassium Bromate 10 Pct.	E	E	E	E
Potassium Bromide	E	E	E	E
Potassium Carbonate	E	E	E	E
Potassium Chlorate	E	E	G	G
Potassium Chloride	E	E	E	G
Potassium Chromate 40 Pct.	E	E	G	G
Potassium Cuprocyanide	E	E	—	—
Potassium Cyanide	E	E	E	E
Potassium Dichromate 40 Pct.	E	E	G	G
Potassium Ferricyanide	E	E	E	E
Potassium Fluoride	E	E	E	G
Potassium Hydroxide 10 Pct.	E	E	L	U
Potassium Hydroxide 20 Pct.	E	E	U	U
Potassium Hydroxide 35 Pct.	E	E	U	U
Potassium Hydroxide Conc.	—	—	—	—
Potassium Hypochlorite	G	L	U	U
Potassium Nitrate	E	E	E	E
Potassium Perborate	E	E	E	E

Key: E - Excellent G - Good L - Limited U - Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Potassium Perchlorite	E	E	G	L
Potassium Permanganate 10 Pct.	G	G	G	L
Potassium Persulfate	E	E	E	E
Potassium Phosphate	—	—	—	—
Potassium Sulfate	E	E	E	E
Potassium Sulfide	E	E	E	E
Potassium Thiosulfate	E	E	E	E
Potatoes	E	E	—	—
Propane	E	E	E	E
Propargyl Alcohol	E	E	—	—
Propyl Alcohol	E	L	G	L
Propylene Dichloride	U	U	U	U
Propylene Glycol	U	U	U	U
Prune Juice	E	E	—	—
Raisins	E	E	—	—
Ritchfield "A" Weed Killer	E	L	—	—
Salicylic Acid	—	—	—	—
Salt Water	E	E	G	U
Selenic Acid	E	G	U	U
Shortening	G	L	—	—
Silicic Acid	E	E	U	U
Silicone Fluids	—	—	—	—
Silver Cyanide	E	E	E	E
Silver Nitrate	E	E	E	E
Silver Plating Solutions	E	G	E	E
Soap Solution	E	E	G	U
Soda	E	E	—	—
Sodium Acetate	E	E	E	E
Sodium Acid Sulfate	E	E	E	E
Sodium Aluminate	—	—	—	—
Sodium Antimonate	E	E	E	E
Sodium Arsenite	E	E	E	E
Sodium Benzoate	E	G	E	E
Sodium Bicarbonate	E	E	E	E
Sodium Bisulfate	E	E	E	E
Sodium Bisulfite	E	E	E	E
Sodium Bromide	E	E	E	G
Sodium Carbonate (Soda Ash)	E	E	E	E
Sodium Chlorate	G	L	G	G
Sodium Chloride	E	E	E	G
Sodium Cyanide	E	E	E	E
Sodium Dichromate	E	G	E	G
Sodium Ferricyanide	E	E	E	E
Sodium Ferrocyanide	E	E	E	E
Sodium Fluoride	E	E	E	G
Sodium Hydroxide 10 Pct.	E	E	L	U
Sodium Hydroxide 35 Pct.	E	G	U	U
Sodium Hydroxide 50 Pct.	E	L	—	—
Sodium Hydroxide Saturated	E	E	U	U
Sodium Hypochlorite	E	E	U	U
Sodium Nitrate	E	E	E	E
Sodium Nitrite	E	E	E	E
Sodium Phosphate-Acid	G	G	U	U
Sodium Silicate	E	E	E	E
Sodium Sulfate	E	E	E	E
Sodium Sulfide	E	E	E	E
Sodium Sulfite	E	E	E	E
Sodium Thisulfate (Hypo)	E	E	E	G
Soya Beans	E	U	—	—
Soya Oil	E	G	—	—

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Sulfuric Acid 95 Pct.	U	U	U	U
Sulfuric Acid 95 Pct. to Fuming	L	L	U	U
Sulfurous Acid	G	L	U	U
Sulphur Dioxide Gas-Dry	E	E	—	—
Sulphur Dioxide Gas-Wet	U	U	—	—
Sulphur Dioxide-Liquid	L	U	—	—
Sulphur Trioxide	E	G	—	—
Sulphurous Acid 10 Pct.	—	—	—	—
Sulphurous Acid 30 Pct.	—	—	—	—
Tall Oil	U	U	—	—
Tallow	—	—	—	—
Tannic Acid	E	E	L	U
Tanning Extracts	—	—	—	—
Tanning Liquors	E	E	—	—
Tartaric Acid	E	G	L	U
Tea (Brewed)	E	E	—	—
Tetraethyl Lead	G	L	G	G
Tetrahydrofurane	U	U	U	U
Tetrahydronaphihalene	—	—	—	—
Thionyl Chloride	U	U	U	U
Tin Chloride	E	E	E	E
Titanium Tertachloride	E	U	L	U
Titanium Trichloride	—	—	—	—
Toluol or Toluene	U	U	L	U
Tomato Juice	E	E	—	—
Tomato Puree & Paste	E	E	—	—
Tomatoes	E	E	—	—
Transformer Oil	—	—	—	—
Tributyl Phosphate	U	U	—	—
Trichlorobenzene	—	—	—	—
Trichloroethylene	U	U	L	U
Tricresyl Phosphate	U	U	U	U
Triethanolamine	L	U	—	—
Triethylamine	G	L	—	—
Trimethyl Propane	L	U	—	—
Trisodium Phosphate	E	E	E	E
Turpentine	L	U	E	G
Urea	E	G	E	E
Urine	E	E	E	E
Vanilla Extract	—	—	—	—
Varnish	U	U	E	G
Vegetable Oils	G	L	—	—
Vinegar	E	G	G	L
Vinyl Acetate	U	U	U	U
Vinyl Chloride	U	U	—	—
Vodka	E	G	—	—
Water-Acid Mine Water	E	E	G	U
Water-Distilled	E	E	G	U
Water-Fresh	E	E	G	U
Water-Salt	E	E	G	U
Wetting Agents	—	—	—	—
Whey	—	—	—	—
Whiskey	E	G	—	—
White Gasoline	E	E	E	G
White Liquor (Paper industry)	E	E	—	—
Wines	E	G	—	—
Xylene or Xylol	U	U	G	L
Yeast	E	U	—	—
Yogurt	E	G	—	—
Zinc Chloride	E	E	E	E

Key: E - Excellent G - Good L - Limited U - Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Soybean Oil	E	E	—	—
Spinach	E	E	—	—
Squash	E	E	—	—
Stannic Chloride	E	E	E	G
Stannous Chloride	E	G	E	G
Starch	—	—	—	—
Stearic Acid	E	G	L	U
Stoddard Solvent	L	U	G	G
Styrene	U	U	—	—
Sucrose	—	—	—	—
Sugar (All Forms)	E	E	—	—
Sulfur	G	G	—	—
Sulfuric Acid 0-10 Pct.	E	G	L	U
Sulfuric Acid 10-40 Pct.	E	G	U	U
Sulfuric Acid 50-60 Pct.	E	G	U	U
Sulfuric Acid 70 Pct.	E	G	U	U

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Zinc Chromate	E	E	E	E
Zinc Cyanide	E	E	E	E
Zinc Nitrate	E	E	E	E
Zinc Sulfate	E	E	E	E
Mixtures of Acids:				
Nitric 15 Pct., Hydrofluoric 4 Pct.	E	G	U	U
Sodium Dichromate 13 Pct., Nitric Acid 16 Pct., Water 71 Pct.	E	G	U	U

Key: E - Excellent G - Good L - Limited U - Unsatisfactory

KURI TEC

KURI TEC® APPLICATION GUIDE

	K018 K010	K050	3300	2600	2840 2841 2844 2846	HSC2840 HSC2841 HSC2844 HSC2846	HSC2960	220	221	A1730	A3236	K6136 K6155 K6158	K3280 K3285	136	K3150	K3130	K7300	K7160 K7130	K5090 K5094 K5096 HS5090 HS5094
Abrasive Slurry Transfer				x	x														
Aeration Systems, Ponds & Lakes																			
Air Conditioning Drainage	x	x						x	x										
Air Lines, Assembly Operations		x				x	x												x
Air Lines, Breathing															x	x		x	
Air Lines, Low Temperature					x	x	x												x
Air Supply Type C																			
Anti-Stat Blasting Agents																			
Car Wash Applications					x	x												x	
Chemical Transfer		x																	
Chemical Transfer, Low Temperature																			
Conductive Applications, Air												x							
Contamination Disposal - Incinerate										x									
Construction Water Transfer																			
Coolant Lines																			
Deionized Water Transfer	x										x	x	x		x	x		x	
Drain Lines - Furnace, Refrigeration, etc.	x	x						x	x										
Drinking Water Lines, Marine & RV														x					
Environmental Clean-Up											x								
Flexible Water Connectors												x							
Food and Beverage Transfer	x									x	x				x	x	x	x	
Granular Transfer Lines				x	x														
Ice Clearing, Aeration																			
Ice Making Machines	x							x											
Induction Welding Tubing Lines												x							
Injection Molding Coolant Lines																			
In-Plant Air/Water Lines																			
Irrigation Supply Lines																			
Laboratory Tubing	x																		
Light Duty Washdown																			
Liquid Food Products				x				x			x				x	x	x	x	
Lubrication/Air Drop Lines					x														
Marine Water Supply Line														x					
Metering Pumps				x	x														
Municipal & Industrial Watering																			
Paint Fluid Transfer - High Pressure																			
Paint Fluid Transfer - Low Pressure																			

	K018 K010	K050	3300	2600	2840 2841 2844 2846	HSC2840 HSC2841 HSC2844 HSC2846	HSC2960	220	221	A1730	A3236	K6136 K6155 K6158	K3280 K3285	136	K3150	K3130	K7300	K7160 K7130	K5090 K5094 K5096 HS5090 HS5094
Paint Fluid Transfer - Static Conducting																			
Pneumatic Air Lines						x	x												x
Pneumatic Lines	x							x	x						x	x			
Pneumatic Parts Transfer																		x	
Powdered Food Products				x											x	x			
Printing Press Equipment	x	x																	
Recreational Vehicle Water Supply Line														x					
Robotic Air Lines					x														
Semiconductor Water Transfer											x	x	x						
Spray, Lawn, Low Pressure																			
Spraying - Agricultural, Vineyard																			
Spraying, Nursery																			
Spraying, Pest Control																			
Spraying, Tree, High Pressure																			
Static Dissipation, In-Plant Air																			
Static Dissipation, Painting Equipment																			
Static Dissipation, Pneumatic Tools																			
Temporary Residential Water Supply Line											x	x							
Transmission Fluid Transfer																			
Vacuum & Pressure Combination Lines																	x		
Vacuum Pumps & Lines																	x	x	
Wastewater Lagoons, Aeration																			
Washdown, Geavy Duty																			
Water Bottling Equipment	x		x						x		x								
Water Distribution Lines	x		x					x											
Water Purification Systems	x		x									x							
Water Recirculation																			
Water Sampling											x								
Wate Softener Lines								x											
Water Transfer	x											x	x	x	x	x	x	x	
Water Transfer, Potable			x									x	x	x	x	x	x	x	
Watering - Golf Courses, Lawns																			

NOTE: Color coded to match page tabs.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

	A1141 A1144 A1146 A1147 A1148	K1131 K1134 K1136 K1137 K1138 HS1231 K1231 K1234 K1236	K1154 K1156 K1181 K1184 K1186 HS1181 HS1184 HS1189	K1171 K1173 K1174 K1176 HS1171 HS1174 HS1176	K2163 HS2163 HDW	A1307	A1317 HS1317	NYLON A4143	A4143S	A4086	A1687	A1628 A1661	K4131 K4232 K4137 K1251	K4350	A9350	A1243 A1263	A4164 A4176	K2W	K7000
Abrasive Slurry Transfer																			
Aeration Systems, Ponds & Lakes																		x	
Air Conditioning Drainage																			
Air Lines, Assembly Operations	x	x	x	x															
Air Lines, Breathing															x				
Air Lines, Low Temperature		x		x															
Air Supply Type C															x				
Anti-Stat Blasting Agents																			x
Car Wash Applications																			
Chemical Transfer										x									
Chemical Transfer, Low Temperature								x		x									
Contamination Disposal - Incinerate																			
Construction Water Transfer					x														
Coolant Lines																			
Deionized Water Transfer	x																		
Drain Lines - Furnace, Refrigeration, etc.																			
Drinking Water Lines, Marine & RV																			
Environmental Clean-Up																			
Flexible Water Connectors																			
Food and Beverage Transfer																			
Granular Transfer Lines																			
Ice Clearing, Aeration																		x	
Ice Making Machines																			
Induction Welding Tubing Lines	x																		

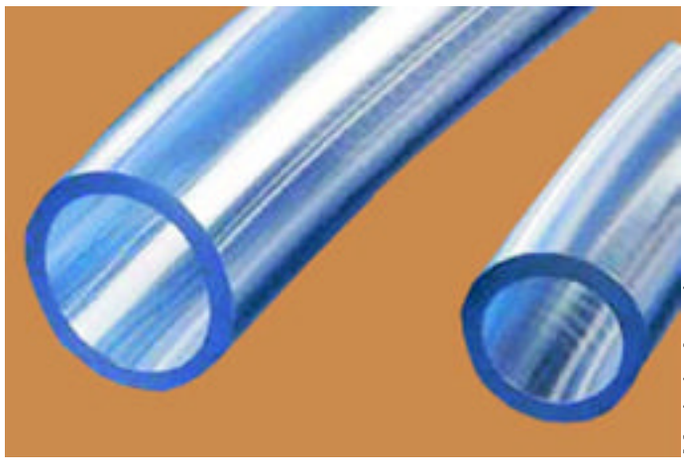
	A1141 A1144 A1146 A1147 A1148	K1131 K1134 K1136 K1137 K1138 HS1231 K1231 K1234 K1236	K1154 K1156 K1181 K1184 K1186 HS1181 HS1184 HS1189	K1171 K1173 K1174 K1176 HS1171 HS1174 HS1176	K2163 HS2163 HDW	A1307	A1317 HS1317	NYLON A4143	A4143S	A4086	A1687	A1628 A1661	K4131 K4232 K4137 K1251	K4350	A9350	A1243 A1263	A4164 A4176	K2W	K7000
Injection Molding Coolant Lines	x																		
In-Plant Air/ Water Lines		x	x																
Irrigation Supply Lines					x		x												
Laboratory Tubing																			
Light Duty Washdown						x													
Liquid Food Products																			
Lubrication/Air Drop Lines	x																		
Marine Water Supply Line																			
Metering Pumps																			
Municipal & Industrial Watering					x														
Non-Conductive Applications																x			
Paint Fluid Transfer - High Pressure										x									
Paint Fluid Transfer - Low Pressure										x									
Paint Fluid Transfer - Static Conducting									x										
Pneumatic Air Lines		x	x	x															
Pneumatic Lines																			
Pneumatic Parts Transfer																			
Powdered Food Products																			
Printing Press Equipment																			
Recreational Vehicle Water Supply Line																			
Robotic Air Lines	x																		
Semiconductor Water Transfer																			
Spray, Lawn, Low Pressure													x	x					
Spraying - Agricultural, Vineyard												x	x	x					
Spraying, Nursery													x						
Spraying, Pest Control												x							
Spraying, Tree, High Pressure										x	x								

	A1141 A1144 A1146 A1147 A1148	K1131 K1134 K1136 K1137 K1138 HS1231 K1231 K1234 K1236	K1154 K1156 K1181 K1184 K1186 HS1181 HS1184 HS1189	K1171 K1173 K1174 K1176 HS1171 HS1174 HS1176	K2163 HS2163 HDW	A1307	A1317 HS1317	NYLON A4143	A4143S	A4086	A1687	A1628 A1661	K4131 K4232 K4137 K1251	K4350	A9350	A1243 A1263	A4164 A4176	K2W	K7000
Static Dissipation, In-Plant Air																	x		
Static Dissipation, Painting Equipment																	x		
Static Dissipation, Pneumatic Tools																	x		
Temporary Residential Water Supply Line																			
Transmission Fluid Transfer	x																		
Vacuum & Pressure Combination Lines																			
Vacuum Pumps & Lines																			
Wastewater Lagoons, Aeration																		x	
Washdown, Geavy Duty					x		x						x						
Water Bottling Equipment																			
Water Distribution Lines																			
Water Purification Systems																			
Water Recirculation																		x	
Water Sampling																			
Wate Softener Lines																			
Water Transfer		x	x	x		x	x												
Water Transfer, Potable																			
Watering - Golf Courses, Lawns						x	x												

NOTE: Color coded to match page tabs.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

KLEARON™ 68 - Series K018 - Clear PVC Tubing



Made in America

Clear Non-toxic PVC food grade tubing for applications requiring more flexibility.

Construction:
Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA(0), RoHS(15) and USP(18) Class VI requirements.

Features:
- High gloss.
- Non-toxic blue.
- Food grade clear PVC tubing.
- Self-extinguishing.
- Compound hardness 68±3 Shore "A".

Applications:
- Ideal for medical applications requiring USP class VI.
- Similar to K010 applications in which a slightly more flexible tube is desired by the customer.
- Tubing for laboratories.
- Water transfer, purification systems.
- Beverage dispensing & ice making applications.
- Water, air, drainage lines.

Service Temperature Range: + 5°F (-4°C) to + 150°F (+65°C)

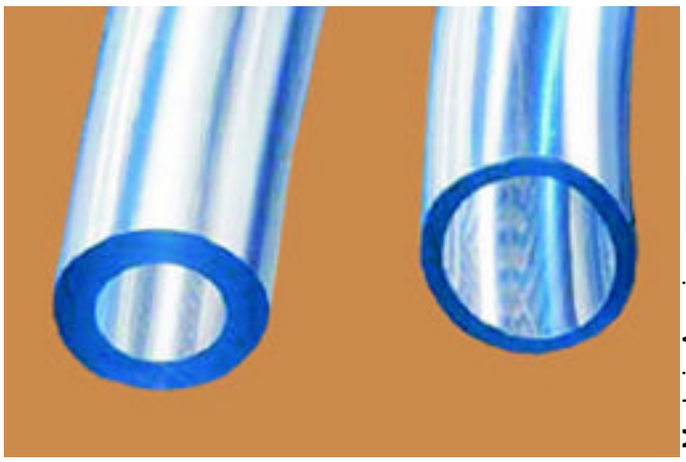
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Nominal Wall		Working Pressure† (PSI) @70°F (20°C)	Standard Length Ctn/Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)			
K018	0204	1/8	3.2	1/4	6.4	1/16	1.6	65	100 ft.	2.0 lbs.
K018	0305	3/16	4.8	5/16	7.9	1/16	1.6	55	100 ft.	2.7 lbs.
K018	0306	3/16	4.8	3/8	9.5	3/32	2.4	60	100 ft.	4.5 lbs.
K018	0406	1/4	6.4	3/8	9.5	1/16	1.6	55	100 ft.	3.4 lbs.
K018	0407	1/4	6.4	7/16	11.1	3/32	2.4	58	100 ft.	5.5 lbs.
K018	0507	5/16	7.9	7/16	11.1	1/16	1.6	50	100 ft.	4.0 lbs.
K018	0508	5/16	7.9	1/2	12.7	3/32	2.4	55	100 ft.	6.5 lbs.
K018	0608	3/8	9.5	1/2	12.7	1/16	1.6	45	100 ft.	4.7 lbs.
K018	0609	3/8	9.5	9/16	14.3	3/32	2.4	50	100 ft.	7.5 lbs.
K018	0709	7/16	11.1	9/16	14.3	1/16	1.6	35	100 ft.	5.3 lbs.
K018	0810	1/2	12.7	5/8	15.9	1/16	1.6	30	100 ft.	6.0 lbs.
K018	1013	5/8	15.9	13/16	20.6	3/32	2.4	35	100 ft.	11.6 lbs.

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® non-reinforced PvC tubing is not recommended. hose claims involving use of these fittings will be disallowed.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(0), RoHS(15), USP(18)

KLEARON™ 73 - Series K010 - Clear PVC Tubing



Made in America

Clear non-toxic food and beverage grade PVC tubing.

Construction:
Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA(03) requirements, meets USDA(17), 3A(01), NSF(13), UL(16), RoHS(15) and USP(18) Class VI criteria.

Features:
- High gloss crystal clear appearance with glass smooth interior to reduce sediment buildup.
- Non-toxic blue tint to enhance clarity.
- NSF-51 and NSF-61 certified material.
- Self-extinguishing.
- Compound hardness 7±3 Shore “A”.

Applications:
- Tubing for laboratories.
- Water distillation lines.
- Deionized water systems.
- Air conditioning drainage.
- Refrigeration drainage.
- Air lines.
- Bottling plants.
- Beverage dispensing units.
- Ice making machines.
- Printing press equipment.
- High efficiency furnace drainage.
- Transfer of weak chemicals & acids.

Service Temperature Range: + 5°F (-4°C) to + 150°F (+65°C)

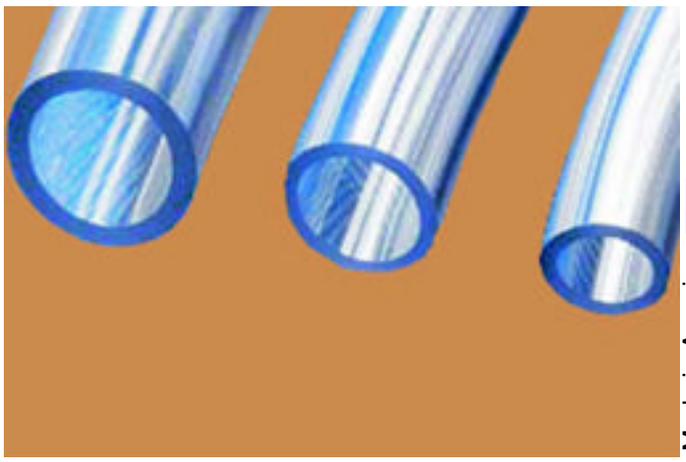
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Nominal Wall		Working Pressure† (PSI) @70°F (20°C)	Standard Length Ctn/Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)			
K010	0204	1/8	3.2	1/4	6.4	1/16	1.6	65	100 ft.	2.0 lbs.
K010	0304	3/16	4.8	1/4	6.4	1/32	0.8	50	100 ft.	1.2 lbs.
K010	0305	3/16	4.8	5/16	7.9	1/16	1.6	55	100 ft.	2.7 lbs.
K010	0306	3/16	4.8	3/8	9.5	3/32	2.4	60	100 ft.	4.5 lbs.
K010	0406	1/4	6.4	3/8	9.5	1/16	1.6	55	100 ft.	3.4 lbs.
K010	0407	1/4	6.4	7/16	11.1	3/32	2.4	58	100 ft.	5.5 lbs.
K010	0408	1/4	6.4	1/2	12.7	1/8	3.2	60	100 ft.	8.0 lbs.
K010	0507	5/16	7.9	7/16	11.1	1/16	1.6	50	100 ft.	4.0 lbs.
K010	0508	5/16	7.9	1/2	12.7	3/32	2.4	55	100 ft.	6.5 lbs.
K010	0509	5/16	7.9	9/16	14.3	1/8	3.2	60	100 ft.	9.4 lbs.
K010	0608	3/8	9.5	1/2	12.7	1/16	1.6	45	100 ft.	4.7 lbs.
K010	0609	3/8	9.5	9/16	14.3	3/32	2.4	50	100 ft.	7.5lbs.
K010	0610	3/8	9.5	5/8	15.9	1/8	3.2	55	100 ft.	10.7 lbs.
K010	0709	7/16	11.1	9/16	14.3	1/16	1.6	35	100 ft.	6.0 lbs.
K010	0810	1/2	12.7	5/8	15.9	1/16	1.6	30	100 ft.	6.0 lbs.
K010	0811	1/2	12.7	11/16	17.5	3/32	2.4	40	100 ft.	9.5 lbs.
K010	0812	1/2	12.7	3/4	19.1	1/8	3.2	45	100 ft.	13.4 lbs.
K010	1012	5/8	15.9	3/4	19.1	1/16	1.6	25	100 ft.	8.2 lbs.
K010	1013	5/8	15.9	13/16	20.6	3/32	2.4	35	100 ft.	11.6 lbs.
K010	1014	5/8	15.9	7/8	22.2	1/8	3.2	40	100 ft.	16.1 lbs.
K010	1216	3/4	19.1	1	25.4	1/8	3.2	35	100 ft.	18.8 lbs.
K010	1218	3/4	19.1	1 1/8	28.6	3/16	4.8	40	100 ft.	30.0 lbs.
K010	1220	3/4	19.1	1 1/4	31.8	1/4	6.4	45	100 ft.	42.9 lbs.
K010	1418	7/8	22.2	1 1/8	28.6	1/8	3.2	30	100 ft.	21.4 lbs.
K010	1420	7/8	22.2	1 1/4	31.8	3/16	4.8	35	100 ft.	34.1 lbs.
K010	1620	1	25.4	1 1/4	31.8	1/8	3.2	25	100 ft.	24.1 lbs.
K010	1622	1	25.4	1 3/8	34.9	3/16	4.8	30	100 ft.	38.2 lbs.
K010	1624	1	25.4	1 1/2	38.1	1/4	6.4	35	100 ft.	53.6 lbs.
K010	2024	1 1/4	31.8	1 1/2	38.1	1/8	3.2	20	50 ft.	14.8 lbs.
K010	2026	1 1/4	31.8	1 5/8	41.3	3/16	4.8	30	50 ft.	23.1 lbs.
K010	2028	1 1/4	31.8	1 3/4	44.5	1/4	6.4	40	50 ft.	32.2 lbs.
K010	2430	1 1/2	38.1	1 7/8	47.6	3/16	4.8	30	50 ft.	27.1 lbs.
K010	2432	1 1/2	38.1	2	50.8	1/4	6.4	35	50 ft.	37.5 lbs.
K010	3240	2	50.8	2 1/2	63.5	1/4	6.4	35	50 ft.	48.2 lbs.

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. use of compression fittings with Kuri Tec® non-reinforced PvC tubing is not recommended. hose claims involving use of these fittings will be disallowed.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
3A(01), FDA(03), NSF(13), RoHS(15), UL(16), USDA(17), USP(18)

Series K050 - Clear PVC Tubing



Made in America

Utility grade non-toxic clear food grade PVC tubing for general use applications.

Construction:
Clear PVC compound formulated with ingredients in compliance with applicable FDA(03) and RoHS(15) requirements.

Features:
- High gloss clear appearance with glass smooth interior to reduce sediment buildup.
- FDA compliant, non-toxic PVC compound.
- Self-extinguishing.
- Compound hardness 7± Shore "A".

Applications:
- Air conditioning drainage.
- Refrigeration drainage.
- Air lines.
- Printing press equipment.
- High efficiency furnace drainage.
- Transfer of weak chemicals and acids.

Service Temperature Range: + 5°F (-4°C) to + 150°F (+65°C)

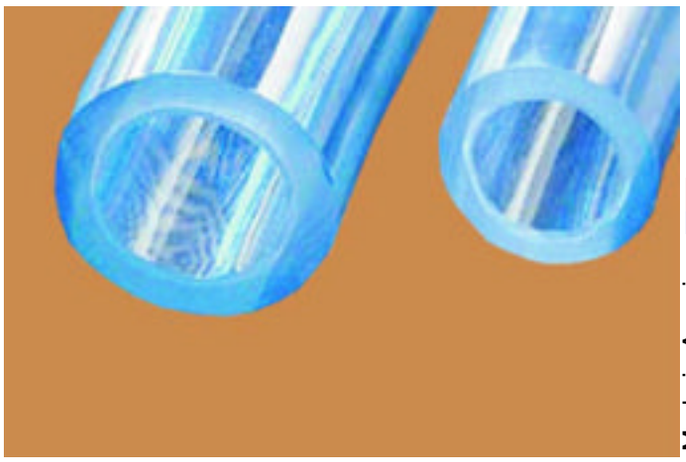
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Nominal Wall Thickness		Working Pressure† (PSI) @70°F (20°C)	Standard Length Ctn/Coils	Approx. Wt. per Pkg. (lbs)
		(In)	(mm)	(In)	(mm)	(In)	(mm)			
K050	0204	1/8	3.2	1/4	6.4	1/16	1.6	65	100 ft.	2.0 lbs
K050	0305	3/16	4.8	5/16	7.9	1/16	1.6	55	100 ft.	2.7 lbs
K050	0406	1/4	6.4	3/8	9.5	1/16	1.6	55	100 ft.	3.4 lbs
K050	0408	1/4	6.4	1/2	12.7	1/8	3.2	60	100 ft.	8.0 lbs
K050	0507	5/16	7.9	7/16	11.1	1/16	1.6	50	100 ft.	4.0 lbs
K050	0608	3/8	9.5	1/2	12.7	1/16	1.6	45	100 ft.	4.7 lbs
K050	0609	3/8	9.5	9/16	14.3	3/32	2.4	50	100 ft.	7.5 lbs
K050	0610	3/8	9.5	5/8	15.9	1/8	3.2	55	100 ft.	10.7 lbs
K050	0810	1/2	12.7	5/8	15.9	1/16	1.6	30	100 ft.	6.0 lbs
K050	0812	1/2	12.7	3/4	19.1	1/8	3.2	45	100 ft.	13.4 lbs
K050	1013	5/8	15.9	13/16	20.6	3/32	2.4	35	100 ft.	11.6 lbs
K050	1014	5/8	15.9	7/8	22.2	1/8	3.2	40	100 ft.	16.1 lbs
K050	1216	3/4	19.1	1	25.4	1/8	3.2	35	100 ft.	18.8 lbs
K050	1418	7/8	22.2	1 1/8	28.6	1/8	3.2	30	100 ft.	21.4 lbs
K050	1620	1	25.4	1 1/4	31.8	1/8	3.2	25	100 ft.	24.1 lbs
K050	2024	1 1/4	31.8	1 1/2	38.1	1/8	3.2	20	50 ft	14.8 lbs
K050	2430	1 1/2	38.1	1 7/8	47.6	3/16	4.8	30	50 ft	27.1 lbs
K050	2432	1 1/2	38.1	2	50.8	1/4	6.4	35	50 ft	37.5 lbs
K050	3240	2	50.8	2 1/2	63.5	1/4	6.4	35	50 ft.	48.2 lbs

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(03), RoHS(15)

Series 3300 - Ether-Based - Polyurethane-Lined - Clear PVC Tubing



Special clear flexible tubing combining a food grade PVC outer surface with an inner liner of NSF-61 listed polyurethane.

Construction:712
73 ± 3 Shore "A" Clear FDA(03) PVC, lined with an 80 Shore "A" clear Ether-Based Polyurethane which is in compliance with NSF(09) and RoHS(15) requirements.

Features:
- NSF-61 listed polyurethane liner inside a 73 ±3 Shore "A" PVC outer layer.
- Non-PVC contact surface.
- The polyurethane liner offers improved oil resistance compared to PVC.

Applications:
- Applications in which a flexible tube with NSF-61 contact material is desired.
- Lower cost alternative to urethane tubing.
- Sight glass tubing.
- Low pressure oil transfer.

Service Temperature Range: + 5°F (-4°C) to + 140°F (+60°C)

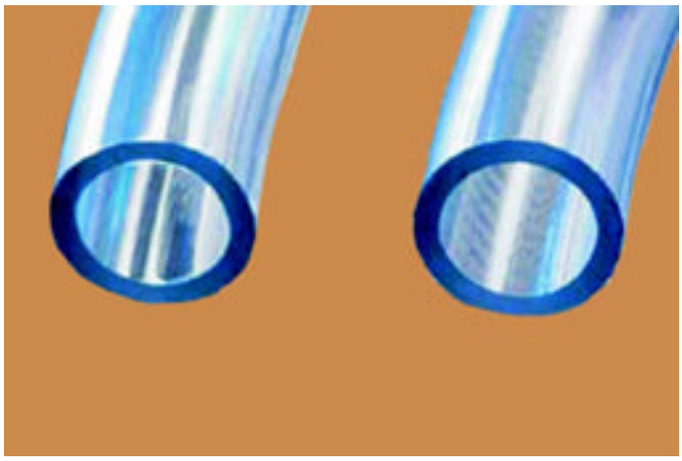
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Nominal Wall		Working Pressure† (PSI) @70°F (20°C)	Standard Length Ctn/Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)			
3300	0406	1/4	6.4	3/8	9.5	1/16	1.6	40	100 ft.	3.2 lbs
3300	0507	5/16	7.9	7/16	11.1	1/16	1.6	50	100 ft.	4.0 lbs
3300	0609	3/8	9.5	9/16	14.3	3/32	2.4	25	100 ft.	7.2 lbs
3300	0812	1/2	12.7	3/4	19.1	1/8	3.2	25	100 ft.	12.2 lbs

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(03), NSF(09), RoHS(15)

Series 2600 - 85 Shore "A" Ether-Based Clear - Food Grade Polyurethane Tubing



Clear polyurethane ether-based food grade tubing for transfer of air, fluids and abrasive slurries.

Construction:
85 Shore "A" Durometer ether-based polyurethane tubing in transparent blue tint. Blue tint 600 material conforms to FDA(07) requirements. Also in compliance with RoHS(15) requirements.

Features:
- Abrasion and cut resistance.
- Good flex fatigue and resilience characteristics.
- Excellent resistance to ozone, solvents and fuel.
- Good resistance to hydrolysis and algae.
- Slight blue tint allows see-through convenience.
- Complies with RMA's Class A designation for high oil resistance.
- Silicone-free.
- One-piece lengths.

Applications:
- Transfer of air and fluids under severe conditions.
- Feed and return lines.
- Abrasive slurry transfer.
- Granular transfer lines.
- Robotics control lines.
- Insulating sleeves.
- Lubrication lines.
- Metering pumps.

Note: Not recommended for transfer of brake fluids.

Service Temperature Range: -40°F (-40°C) to + 175°F (+80°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Nominal Wall		Max. Working Pressure† (PSI)		Standard Length Ctn/Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
2600	0204	1/8	3.2	1/4	6.4	1/16	1.6	100	75	100 ft.	2 lbs.
2600	0305	3/16	4.8	5/16	7.9	1/16	1.6	75	50	100 ft.	3 lbs.
2600	0406	1/4	6.4	3/8	9.5	1/16	1.6	60	45	100 ft.	3.5 lbs.
2600	0507	5/16	7.9	7/16	11.1	1/16	1.6	50	35	100 ft.	4 lbs.
2600	0608	3/8	9.5	1/2	12.7	1/16	1.6	45	30	100 ft.	5 lbs.
2600	0812	1/2	12.7	3/4	19.1	1/8	3.2	60	45	100 ft.	13 lbs.

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: when exceptional oil and fuel resistance is needed, we suggest use of Series 2810 ester-based tubing - call for details.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(07), RoHS(15)

Series 2840, 2841, 2844, 2846 - 95 Shore "A" Ether-Based - Heavy Duty Polyurethane Tubing

Made in America

Ether-based polyurethane tubing available in colors for transfer of air, fluids and abrasive slurries.

Construction:
Series 2840, 2841, 2844, 2846 - 95 Shore "A" Durometer ether-based polyurethane tubing in transparent FDA(07) blue tint, as well as three standard solid colors:
840 - Blue Tint, 841 - Yellow, 844 - Red, 846 - Blue

Features:
- Abrasion and cut resistance.
- Good flex fatigue and resilience characteristics.
- Excellent resistance to ozone, solvents and fuel.
- Good resistance to hydrolysis and algae.
- Slight blue* tint allows see-through convenience.
- Complies with RMA's Class A designation for high oil resistance.
- Silicone-free.
- One-piece lengths.
- Individually bagged self store assemblies are available.
- RoHS(15) compliant.

Applications:
- Transfer of air and fluids under severe conditions.
- Feed and return lines.
- Abrasive slurry transfer.
- Granular transfer lines.
- Robotics control lines.
- Insulating sleeves.
- Lubrication lines.
- Metering pumps.

Note: Not recommended for transfer of brake fluids.

Service Temperature Range: -40°F (-40°C) to + 175°F (+80°C)

Nominal Specifications

Series No.				Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
2840 Clear	2841 Yellow	2844 Red	2846 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Spool/ Box	Coil/ Box	300 ft.	100 ft.
x	x	x	x	04	1/4	6.5	.375	9.5	125	75	300 ft.	100 ft.	9.5 lbs.	3.1 lbs.
			x	05	5/16	8.0	.472	12.0	125	75	300 ft.	100 ft.	14.7 lbs.	4.9 lbs.
x	x	x	x	06	3/8	9.5	.570	14.5	125	75	300 ft.	100 ft.	21.7 lbs.	7.2 lbs.

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
*** Note:** The blue tint Series 2840 material conforms to the same FDA regulations as Series 2600.

Note: when exceptional oil and fuel resistance is needed, we suggest use of Series 2810 ester-based tubing which is rohS(15) compliant - call for details.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(07), RoHS(15)

220 Series - Linear Low Density - Food Grade - Polyethylene Tubing

Made in America

LLDPE food grade tubing for standard industrial applications.

Construction:
Linear low density food grade polyethylene tubing in compliance with FDA(06) requirements - natural color. Also in compliance with RoHS(15) requirements.

Features:
- Economical and lightweight.
- LLDPE resin provides excellent environmental stress crack resistance.
- Natural color.
- Excellent resistance to solvents.
- Chemically inert.

Applications:
- Transfer of air and liquids in industrial applications.
- Water lines.
- Water softener lines.
- Pneumatic logic control lines.
- Vending equipment.

Service Temperature Range: -50°F (-45°C) to + 140°F (+60°C)

Nominal Specifications

Series No.	Size Code	Nominal OD		Nominal ID		Nominal Wall		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Spool/ Coil	Pkg.	
220	0440x1K	1/4	6.4	.170	4.3	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
220	0440x2K	1/4	6.4	.170	4.3	.040	1.0	140	60	2000 ft.	Spool	22 lbs.
220	0440x500	1/4	6.4	.170	4.3	.040	1.0	140	60	500 ft.	Spool	6 lbs.
220	0440x100	1/4	6.4	.170	4.3	.040	1.0	140	60	100 ft.	Coil	1 lbs.
220	0462x2K	1/4	6.4	.125	3.1	.062	1.6	150	75	2000 ft.	Spool	30 lbs.
220	0562x15C	5/16	7.9	.188	4.8	.062	1.6	150	75	1500 ft.	Spool	30 lbs.
220	0662x1K	3/8	9.5	.250	6.4	.062	1.6	125	50	1000 ft.	Spool	25 lbs.
220	0662x500	3/8	9.5	.250	6.4	.062	1.6	125	50	500 ft.	Spool	13 lbs.
220	0662x100	3/8	9.5	.250	6.4	.062	1.6	125	50	100 ft.	Coil	3 lbs.
220	0862x500	1/2	12.7	.375	9.5	.062	1.6	100	35	500 ft.	Spool	18 lbs.
220	0862x100	1/2	12.7	.375	9.5	.062	1.6	100	35	100 ft.	Spool	3.6 lbs.
220	1062x500	5/8	15.9	.500	12.7	.062	1.6	75	25	500 ft.	Coil	23 lbs.
220	1062x100	5/8	15.9	.500	12.7	.062	1.6	75	25	100 ft.	Coil	4.8 lbs.

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(06), RoHS(15)

221 Series - Linear Low Density - Industrial Grade - Polyethylene Tubing

Made in America

LLDPE industrial grade colored tubing for general industrial applications.

Construction:
- Linear low density polyethylene tubing - black color in compliance with RoHS(15) requirements.

Features:
- Economical and lightweight.
- LLDPE resin provides excellent environmental stress crack resistance.
- Resistant to sunlight and other forms of ultra-violet radiation.
- Chemically inert.
- Excellent resistance to solvents.

Applications:
- Transfer of air and liquids in industrial applications.
- Humidifier fill lines.
- For outdoor uses where exposure to sunlight occurs.
- Air conditioning drain lines.
- Instrument air lines.

Additional sizes not shown of the following colors are available on special order: 2231-Yellow, 2232-Orange, 2234-Red, 2236-Blue, 2237-Green and are in compliance with RoHS(15) requirements.

Service Temperature Range: -50°F (-45°C) to + 140°F (+60°C)

Nominal Specifications

Series No.	Size Code	Nominal OD		Nominal ID		Nominal Wall		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Spool/ Coil	Pkg.	
221	0440x2K	1/4	6.4	.170	4.3	.040	1.0	140	60	2000 ft.	Spool	22 lbs.
2231	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
2232	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
2234	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
2236	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
2237	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
221	0462x2K	1/4	6.4	.125	3.1	.062	1.6	150	75	2000 ft.	Spool	30 lbs.
221	0562x15C	5/16	7.9	.188	4.8	.062	1.6	150	75	1500 ft.	Spool	30 lbs.
221	0662x500	3/8	9.5	.250	6.4	.062	1.6	125	50	500 ft.	Spool	13 lbs.
221	0662x1K	3/8	3/8	.250	6.4	.062	1.6	125	50	1000 ft.	Spool	25 lbs.
221	0862x500	1/2	12.7	.375	9.5	.062	1.6	100	35	500 ft.	Spool	18 lbs.
221	1062x500	5/8	15.9	.500	12.7	.062	1.6	75	25	500 ft.	Coil	23 lbs.

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

Series A1730 - Flexible FDA lyethylene Hose

Made in America

A flexible food grade hose for those applications in which a PVC hose may not be suitable.

Construction:
- Tube - 8 Shore "A" polyethylene in compliance with FDA(04) and RoHS(15) requirements.
- Reinforcement - High tensile strength yarn.
- Cover - 68 Shore "A" flexible polyethylene cover in compliance with FDA(04) and RoHS(15) requirements.

Features:
- Flexible non-chlorinated non-PVC hose.
- Can be incinerated without harmful emissions.
- Light weight.

Applications:
- Applications involving radiation or other contaminants that require disposal of the hose after use.
- Food transfer.

Service Temperature Range: -60°F (-51°C) to +1 120°F (+49°C)

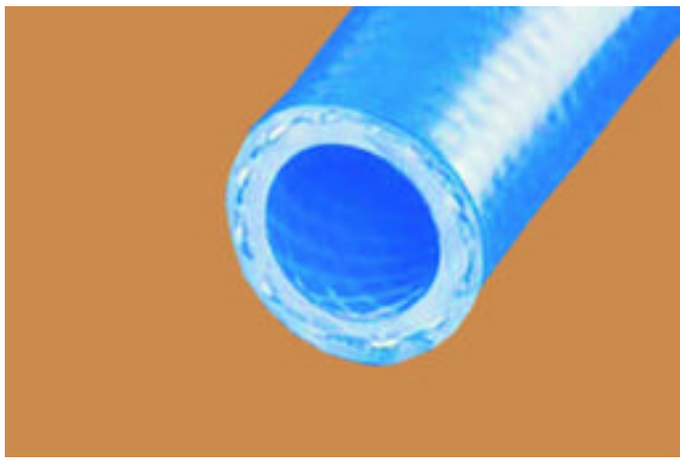
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Full Coil	Cut Length	Full Coil	Cut Length
A1730	04	1/4	6.5	.460	11.7	150	75	500 ft.	100 ft.	22.5 lbs.	4.5 lbs.
A1730	06	3/8	9.5	.593	15.1	150	75	300 ft.	100 ft.	19.8 lbs.	6.6 lbs.
A1730	08	1/2	12.7	.740	18.8	150	75	300 ft.	100 ft.	17.3 lbs.	9.1 lbs.

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(04), RoHS(15)

Series A3236 - High Purity Non-Toxic LLDPE Water Hose



A flexible, non-contaminating food grade hose that is ideal for use in food, beverage and water applications.

Construction:
- Tube - Special co-extruded tube with the inner contact surface meeting applicable FDA(04), NSF(12) and RoHS(15) requirements.
- Reinforcement - High tensile strength yarn.
- Cover - Blue EVA copolymer . . . complies with FDA(04) and RoHS(15) requirements.

Features:
- Extremely light weight.
- Good resistance to U. V. and weather aging.
- Exceptionally low hydrocarbon extraction into water, as compared to the EPA MCL's (maximum contaminant levels) for drinking water.
- Extremely low hydrocarbon absorption from contaminated water samples.
- Excellent low temperature flexibility.
- Excellent chemical resistance.
- Silicone-free.
- One-piece lengths.
- Opaque jacket reduces tendency for algae growth in warm, sunny applications.

Applications:
- Transfer of food, beverages and water.
- Transfer of deionized water.
- Water sampling.
- Water bottling equipment.
- Water transfer lines for semiconductor manufacturing, where applicable.
- Temporary residential water supply lines.
- Environmental clean-up applications involving water and chemicals.

Service Temperature Range: -10°F (-23°C) to + 140°F (+60°C)

Nominal Specifications

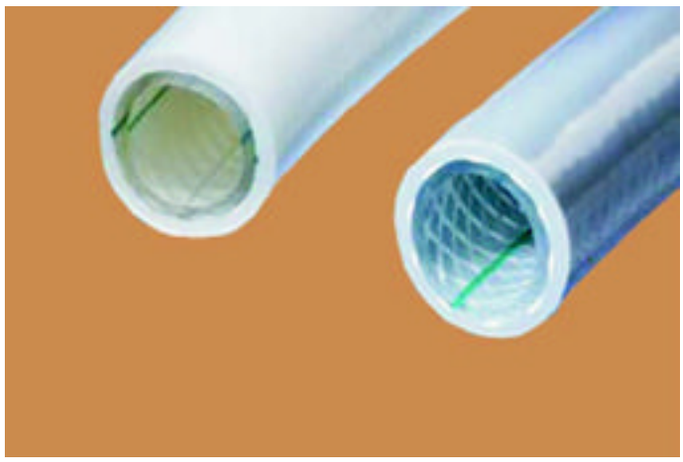
Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
A3236	08	1/2	12.7	.750	19.1	200	100	300 ft.	33 lbs.
A3236	12	3/4	19.1	1.125	28.6	200	100	300 ft.	68 lbs.
A3236	16	1	25.4	1.375	34.9	150	75	200 ft.	59 lbs.

Note: * for applications requiring minimal stretch, this hose is also available with longitudinal cords by ordering Series A3246 . . . check with factory for minimum quantity requirements. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(04), NSF(12), RoHS(15)

Series K6155, K6158 - High Purity Non-Toxic PVC - Potable Water Hose



Made in America

A High Purity non-conductive hose with colored jacket which is ideal for potable water and deionized water transfer.

Construction:
- Tube - Clear PVC compound, formulated in compliance with FDA(03) and NSF(13) criteria.
- Reinforcement - High tensile strength yarn.
- Cover - Non-toxic PVC compound, available in two solid colors: K6155 - White and K6158 - Grey. Additional non-toxic colors (Red, Black, Blue, Green and Sand) are available on a special order basis.

Features:
- Made with PVC compounds certified under
- NSF-51/NSF-61.
- White or gray jacket to reduce tendency for algae growth and U. V. degradation in warm sunny applications.
- Non-marking cover.
- Non-perforated cover.
- Non-conductive compounds.
- Silicone-free.
- One-piece lengths.
- RoHS(15) compliant.

Applications:
- Transfer of potable water.
- Transfer of deionized water.
- Induction welding tubing lines.
- Temporary residential water supply lines.
- Water transfer lines for semiconductor manufacturing, where applicable.
- Applications requiring a non-conductive hose.

Service Temperature Range: + 25°F (-4°C) to + 150°F (+65°C)

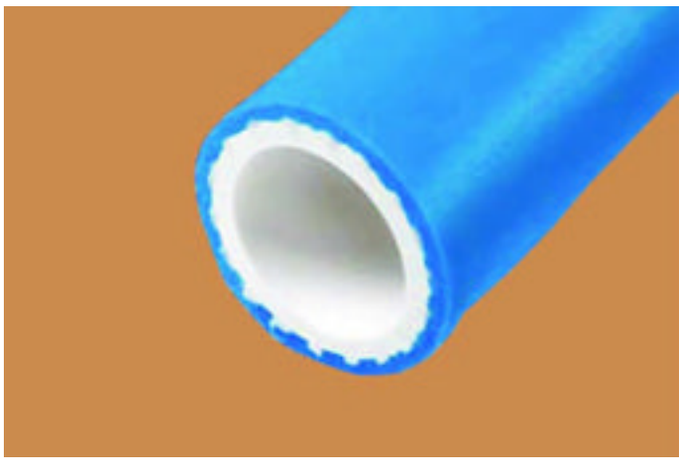
Nominal Specifications

Standard Stock Colors		Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. wt. per Pkg.
K6155 White	K6158 Grey		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
	x	06	3/8	9.5	.594	15.1	225	125	300 ft.	27 lbs.
x	x	08	1/2	12.7	.750	19.1	200	100	300 ft.	40 lbs.
x	x	12	3/4	19.1	1.031	26.2	150	85	200 ft.	43 lbs.
x	x	16	1	25.4	1.300	33.0	125	75	200 ft.	59 lbs.
	x	24	1 1/2	38.1	1.938	49.2	100	50	100 ft.	64 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(03), NSF(13), Rohs(15)

Series K6136 - High Purity Street to Home - Potable Water Hose



A quality potable water hose specifically designed for temporary water supply and bypass applications.

Construction:
- Tube - Pure white PVC compound, formulated in compliance with applicable FDA(03) and RoHS(15) requirements. . . meets NSF(11) criteria.
- Reinforcement - High tensile strength yarn, with longitudinal yarns to prevent elongation under pressure.
- Cover - Blue high quality PVC compound, uniquely blended to provide excellent abrasion- and weather- resistance . . . blue color signifies pure water line.

Features:
- KC046-W high purity NSF-61(11) certified tube material diminishes water quality concerns regarding surfaces which are contacted by potable water.
- KC046-W inner tube is less porous than the tube in commonly-used conventional rubber hoses, and is easier to flush and keep clean.
- Silicone-free.
- White inner tube and blue cover reduce tendency for algae growth in warm, sunny environments.
- Extremely light weight - 22 to 25% lighter than conventional rubber hose . . . helps to reduce worker fatigue.
- Hassle-free and easier to use . . . requires less installation time than rigid pipe.
- Strong and durable . . . ideal for construction site environments.
- Heavy duty construction limits linking in the hot summer sun.
- Good abrasion resistance.
- Does not leave a bad taste or odor in the water, unlike conventional rubber hoses.

Applications:
- Transfer of potable water.
- Water purification systems.
- Temporary surface bypass potable water lines for municipal construction sites.
- Water sampling.

Service Temperature Range: -10°F (-23°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
K6136	12	3/4	19.1	1.125	28.6	250	110	500 ft.	168 lbs.
K6136	32	2	50.8	2.48	63.0	250	100	100 ft.	96 lbs.

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

Note: Series K6136 is sold in Canada under the Pureflex® name.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(03), NSF(11), RoHS(15)

Series K3280, K3285 - NSF-61 Certified - Reinforced PVC - Flexible - Connection Hose

Made in America

A flexible tube, non-contaminating NSF-61 certified hose that is ideal use in drinking water applications.

Construction:
- Tube - Clear K3280 or white K3285 tube compound is formulated in compliance with applicable FDA(03) regulations, certified under NSF(10) and RoHS(15) criteria.
- Reinforcement - High tensile strength multifilament polyester yarn.
- Cover - Clear PVC compound formulated in compliance with applicable FDA(03) regulations, certified underNSF(11) criteria.

Features:
- Made with PVC compounds certified under NSF-61.
- When coupled properly, hose will pass high temperature extreme test requirement of ASME(02) criteria.
- Closely-packed white polyester yarn design ensures minimal expansion of the hose while in service.
- Silicone-free.
- One-piece lengths (cut pieces also available).

Applications:
- Flexible water connectors.
- Transfer of potable water.
- Transfer of deionized water.
- Water transfer lines for semiconductor manufacturing, where applicable.

Service Temperature Range: +14°F (-10°C) to +140°F (+60°C) Domestic Hot and Cold Water

Nominal Specifications

Standard Stock Colors		Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. wt. per Pkg.
K3280 Clear	K3285 White Tube		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
x		04	.260	6.6	.440	11.1	180	125	500 ft.	28 lbs.
*	x	05	.320	8.1	.485	12.3	180	125	500 ft.	29 lbs.
x	x	06	.380	9.7	.595	15.1	180	125	500 ft.	46 lbs.
x	x	08	.505	12.8	.740	18.8	180	125	500 ft.	64 lbs.

† Note: working pressure decreases as temperature increases. The pressure ratings of hose assemblies can be affected by the type of fitting used and the coupling procedure. we cannot be responsible for the suitability of the user's fittings or the coupling method used. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

*** Note:** Non stock item.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
ASME(02), FDA(03), NSF(10), Rohs(15)

Series 136 - Non-Toxic RV Water - Hose - IAPMO Listed - Under Accuflex File T®-2008

Made in America

Specifically designed for use in water pressure lines on recreational vehicles and boats - certified with IAPMO for cold water systems.

Construction:
- Tube - White PVC compound, formulated in compliance with FDA(03), NSF(11) and RoHS(15) criteria.
- Reinforcement - High tensile strength yarn.
- Cover - Clear PVC compound, formulated in compliance with FDA(03) and NSF(11) criteria.

Features:
- Manufactured in compliance with standard IAPMO TS 25 - 006.
- Certified for use in recreational vehicle cold water pressure systems.
- Opaque core tube reduces tendency for algae growth in warm sunny applications.
- Core tube material complies with standard IAPMO TS 31 - 004 and the requirements of NSF 61(11).
- IAPMO T®-2008 listing printed on hose.
- Silicone-free.
- One-piece lengths.

Applications:
- Specifically designed and formulated for use as water pressure lines in the recreational vehicle and marine markets.
- Drinking water lines in recreational vehicles and pleasure craft.
- Suitable for non-toxic and potable water applications where a transparent hose is not required.

Service Temperature Range: + 25°F (-4°C) to +125°F (+52°C)

Nominal Specifications

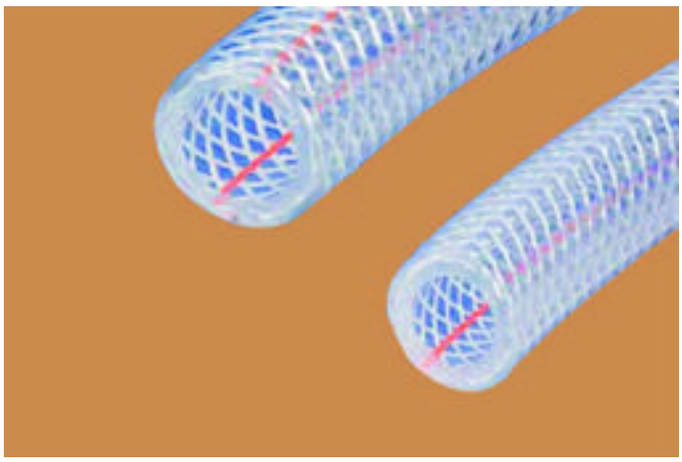
Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
136	06	3/8	9.5	.565	16.7	150	60	500 ft.	39 lbs.
136	08	1/2	12.7	.688	17.5	150	60	500 ft.	49 lbs.
136	10	5/8	15.9	.813	20.7	150	60	300 ft.	36 lbs.

† Note: working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

Note: A black colored jacket version (Series 133) is also available on request.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(03), IAPMO(08) , NSF(11), Rohs(15)

CLEARBRAID® - K3150 Series RF - Standard Wall PVC Food - & Beverage Hose



Made in America

A lightweight standard wall crystal clear yarn reinforced hose suitable for a wide variety of food and beverage applications.

Construction:
Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA(03) requirements, meets USDA(17), 3A(01), NSF(13), UL(16), RoHS(15) and USP(18) Class VI criteria. Reinforced with spiraled polyester yarn and longitudinal orange tracer yarns for identification.

Features:
- Constructed with non-toxic compounds.
- NSF-51 and NSF-61 certified material.
- Crystal clear - allows visual confirmation of product flow.
- Longitudinally-reinforced to reduce elongation under pressure.
- Light weight.
- Self-extinguishing.
- Non-marking.
- Silicone-free.
- Non-conductive.
- One-piece lengths.
- Resistant to chemicals (see chemical-resistance chart).
- Compound hardness 7 ± Shore "A".

Applications:
- Food & beverage dispensing.
- Deionized water.
- Liquid food products.
- Air and water lines.
- Powdered food products.
- Potable water transfer.
- Air breathing lines.
- Pneumatic lines.
- Packaging machines.

Service Temperature Range: + 25°F (-4°C) to +150°F (+65°C)

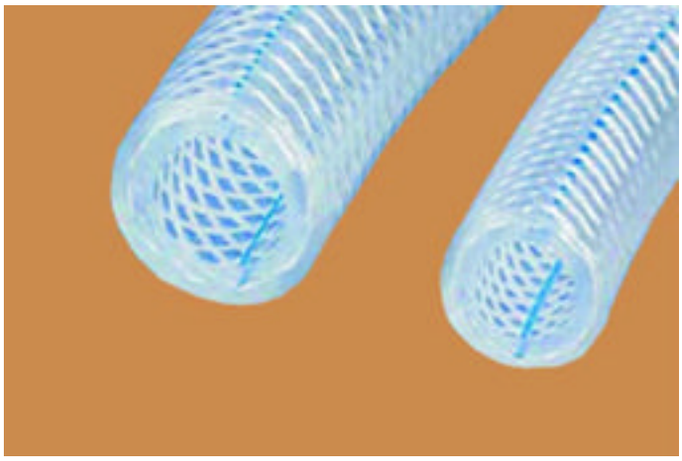
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
K3150	03	3/16	4.8	.375	9.5	250	150	300 ft.	100 ft.
K3150	04	1/4	6.5	.438	11.1	250	150	300 ft.	100 ft.
K3150	05	5/16	7.9	.531	13.5	250	135	300 ft.	100 ft.
K3150	06	3/8	9.5	.594	15.1	225	125	300 ft.	100 ft.
K3150	08	1/2	12.7	.750	19.1	200	100	300 ft.	100 ft.
K3150	10	5/8	15.9	.891	22.6	200	100	200 ft.	100 ft.
K3150	12	3/4	19.1	1.031	26.2	150	85	200 ft.	100 ft.
K3150	16	1	25.4	1.300	33.0	125	75	200 ft.	100 ft.
K3150	20	1 1/4	31.8	1.620	41.1	100	55	100 ft.	50 ft.
K3150	24	1 1/2	38.1	1.938	49.2	100	50	100 ft.	50 ft.
K3150	32	2	50.8	2.490	63.2	75	35	100 ft.	50 ft.
K3150	MM04	.157	4.0	.354	9.0	250	150	—	100 ft.
K3150	MM06	.236	6.0	.433	11.0	250	150	—	100 ft.
K3150	MM08	.315	8.0	.531	13.5	250	135	—	100 ft.
K3150	MM10	.394	10.0	.630	16.0	225	125	—	100 ft.
K3150	MM12	.472	12.0	.709	18.0	200	100	—	100 ft.
K3150	MM19	.748	19.0	1.024	26.0	150	85	—	100 ft.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.
ClEArBrAid® is a registered trademark of Accuflex industrial hose, ltd. and is used under license by Kuriyama of America, inc.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
3A(01), FDA(03), NSF(13), RoHS(15), UL(16), USDA(17), USP(18)

CLEARBRAID® - K3130 Series BF - BF Heavy Wall PVC Food - & Beverage Hose



Made in America

A heavier walled crystal clear yarn reinforced hose suitable for a wide variety of food and beverage applications.

Construction:
Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA(03) requirements, meets USDA(17), 3A(01), NSF(13), UL(16), RoHS(15) and USP(18) Class VI criteria. Reinforced with spiraled polyester yarn and longitudinal blue tracer yarns for identification.

Features:
- Constructed with non-toxic compounds.
- NSF-51 and NSF-61 certified material.
- Crystal clear - allows visual confirmation of product flow.
- Longitudinally-reinforced to reduce elongation under pressure.
- Light weight.
- Self-extinguishing.
- Non-marking.
- Silicone-free.
- One-piece lengths.
- Resistant to chemicals (see chemical-resistance chart).
- Compound hardness 7 ± Shore "A".

Applications:
- Food & beverage dispensing.
- Deionized water.
- Liquid food products.
- Air and water lines.
- Powdered food products.
- Potable water transfer.
- Air breathing lines.
- Pneumatic lines.
- Packaging machines.

Service Temperature Range: + 25°F (-4°C) to + 150°F (+65°C)

Nominal Specifications

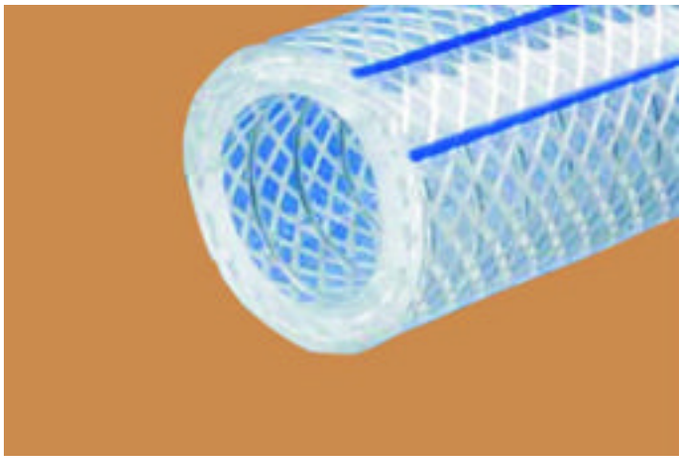
Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Full Coil	Cut Length	Full Coil	Cut Length
K3130	02	1/8	3.2	.328	8.3	350	200	300 ft.	100 ft.	12 lbs.	4 lbs.
K3130	03	3/16	4.8	.406	10.3	350	200	300 ft.	100 ft.	17 lbs.	6 lbs.
K3130	04	1/4	6.5	.500	12.7	350	200	300 ft.	100 ft.	24 lbs.	8 lbs.
K3130	05	5/16	7.9	.563	14.3	275	160	300 ft.	100 ft.	28 lbs.	9 lbs.
K3130	06	3/8	9.5	.625	15.9	275	145	300 ft.	100 ft.	32 lbs.	11 lbs.
K3130	08	1/2	12.7	.813	20.7	250	130	300 ft.	100 ft.	52 lbs.	17 lbs.
K3130	10	5/8	15.9	1.000	25.4	225	125	200 ft.	100 ft.	52 lbs.	26 lbs.
K3130	12	3/4	19.1	1.125	28.6	200	120	200 ft.	100 ft.	60 lbs.	30 lbs.
K3130	16	1	25.4	1.375	34.9	150	85	200 ft.	100 ft.	76 lbs.	38 lbs.
K3130	20	1 1/4	31.8	1.750	44.5	125	75	100 ft.	50 ft.	64 lbs.	32 lbs.
K3130	24	1 1/2	38.1	2.000	50.8	100	65	100 ft.	50 ft.	75 lbs.	38 lbs.
K3130	32	2	50.8	2.500	63.5	75	55	100 ft.	50 ft.	96 lbs.	48 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

ClEArBrAid® is a registered trademark of Accuflex industrial hose, ltd. and is used under license by Kuriyama of America, inc.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
3A(01), FDA(03), NSF(13), RoHS(15), USDA(17), UL(16), USP(18)

POLYWIRE® PLU - Series K7300 - Hose Heavy Wall Wire-Yarn - Reinforced Vacuum/Pressure Hose



Made in America

A unique crystal clear PVC hose suitable for applications requiring a vacuum hose with higher pressure capability or as a pressure hose with vacuum capability.

Construction:
- Crystal clear PVC compound reinforced with high tensile yarns and helically-wound spring steel wire.
- The inner food contact surface is made with PVC compound formulated with ingredients in compliance with applicable FDA(03) requirements, meets USDA(17), 3A(01), NSF(13) and RoHS(15) criteria.

Features:
- Wire helix reinforcement prevents kinking or collapsing… hose diameter will not expand under normal rated working pressures.
- 29.9" Hg vacuum rating @ 70°F.
- Electrogalvanized helical steel wire can be used for static dissipation (see below ††).
- Yarn reinforcement provides higher working pressure.
- Heavy duty construction prevents hose O.D. from expanding and I.D. from collapsing.
- Crystal clear - allows visual confirmation of product flow Glass-smooth interior - reduces material buildup.
- Inner contact surface material is NSF certified for food applications (standard 51) and drinking water (standard 61). It also meets other criteria such as 3A and USDA.
- Resistant to chemicals (see chemical-resistance chart in Kuri Tec Catalog).
- Self-extinguishing.
- Non-marking.
- Non-toxic.
- Silicone-free.

Applications:
- Pressure and vacuum applications which require excellent kink resistance.
- Ideal for applications which require the hose to withstand both high vacuum and pressure.
- Water transfer.
- Liquid food transfer.

Service Temperature Range: +15°F (-9°C) to +150°F (+65°C)

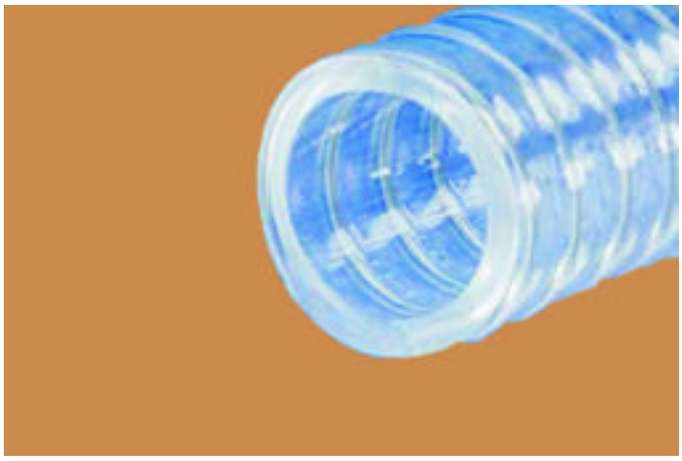
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.	Min Bend Radius @ 70°F
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)			
K7300	08	1/2	12.7	.906*	23.0*	250	125	100 ft.	26 lbs.	2”
K7300	12	3/4	19.1	1.196*	30.4*	225	112	100 ft.	40 lbs.	2 1/2”
K7300	16	1	25.4	1.464*	37.2*	225	112	100 ft.	53 lbs.	3 1/2”
K7300	20	1 1/4	31.8	1.780*	45.2*	175	87	50 ft.*	37 lbs.	4 1/2”
K7300	24	1 1/2	38.1	2.030*	51.6*	175	87	50 ft.*	43 lbs.	5 1/2”
K7300	32	2	50.8	2.600*	66.0*	150	75	50 ft.*	64 lbs.	7”

* 25 ft. coils available - call for details.
† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.
†† Caution: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
3A(01), FDA(03), NSF(13), RoHS(15), USDA(17)

POLYSPRING® - Series K7160 - Standard Wall PVC Food - & Beverage Vacuum/Transfer Hose



Standard wall food and beverage grade vacuum/trans- fer hose with rated working pressures.

Construction:
Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA(03) requirements, meets USDA(17), 3A(01), NSF(13) and RoHS(15) criteria. Reinforced with helically-wound spring steel wire.

Features:
- 29.9" HG vacuum rating.
- Spiral wire reinforcement prevents kinking or collapsing... hose diameter will not expand under normal rated working pressures.
- Crystal clear - allows visual confirmation of product flow.
- Glass-smooth interior - reduces material buildup.
- Electrogalvanized helical steel wire can be used for static dissipation (see below‡).
- Resistant to chemicals (see chemical-resistance chart).
- Self-extinguishing.
- Non-marking.
- Non-toxic.
- Silicone-free.
- One-piece lengths.
- Special cut piece lengths available through 1" ID size - check with factory.

Applications:
- Full vacuum lines.
- Industrial vacuum pumps.
- Food & beverage dispensing.
- Air and water supply lines.
- Pneumatic parts transfer.
- Car wash applications.
- Coolant lines.
- Air breathing lines.
- Deionized water systems.

Service Temperature Range: + 5°F (-4°C) to +150°F (+65°C)

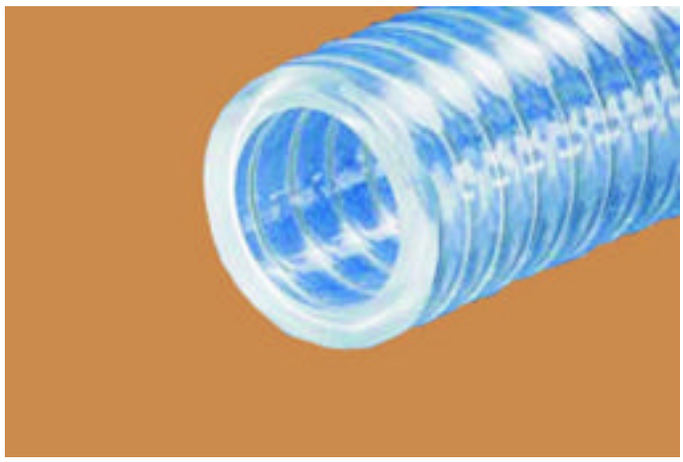
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.	Min Bend Radius @ 70°F
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)			
K7160	04	1/4	6.4	.460	11.7	150	70	100 ft.	7 lbs.	1”
K7160	06	3/8	9.5	.600	15.2	100	70	100 ft.	11 lbs.	1 1/2"
K7160	08	1/2	12.7	.750	19.1	100	50	100 ft.	15 lbs.	2"
K7160	10	5/8	15.9	.891	22.6	100	50	100 ft.	19 lbs.	2 1/2"
K7160	12	3/4	19.1	1.031	26.2	70	50	100 ft.	24 lbs.	3"
K7160	16	1	25.4	1.297	32.9	70	35	100 ft.	33 lbs.	4"
K7160	20	1 1/4	31.8	1.609	40.9	70	35	50 ft.*	25 lbs.	5"
K7160	24	1 1/2	38.1	1.860	47.2	50	30	50 ft.*	29 lbs.	6"
K7160	32	2	50.8	2.391	60.7	50	30	50 ft.*	42 lbs.	8"
K7160	36	2 1/4	57.2	2.750	69.9	50	30	50 ft.*	58 lbs.	9"
K7160	40	2 1/2	63.5	3.000	76.2	50	30	50 ft.*	69 lbs.	10"
K7160	48	3	76.2	3.500	88.9	50	30	50 ft.*	81 lbs.	12"

* 25 ft. coils available - call for details.
† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.
‡ CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
3A(01), FDA(03), NSF(13), RoHS(15), USDA(17)

POLYWIRE® - Series K7130 - Heavy Wall PVC Food & Beverage Vacuum/Transfer Hose



Heavy wall food and beverage grade vacuum/transfer hose with rated working pressures.

Construction:
Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA(03) requirements, meets USDA(17), 3A(01), NSF(13), UL(16), USP(18) and RoHS(15) criteria. Reinforced with helically-wound spring steel wire.

Features:
- 29.9" HG vacuum rating.
- Spiral wire reinforcement prevents kinking or collapsing... hose diameter will not expand under normal rated working pressures.
- Crystal clear - allows visual confirmation of product flow.
- Glass-smooth interior - reduces material buildup.
- Electrogalvanized helical steel wire can be used for static dissipation (see below‡).
- Resistant to chemicals (see chemical-resistance chart).
- Compound hardness 7 ± Shore "A".
- Self-extinguishing.
- Non-marking.
- Non-toxic.
- Silicone-free.
- One-piece lengths.
- Special cut piece lengths available through 1" ID size - check with factory.

Applications:
- Full vacuum lines.
- Industrial vacuum pumps.
- Food & beverage dispensing.
- Air and water supply lines.
- Car wash applications.
- Coolant lines.
- Air breathing lines.
- Pneumatic parts transfer.
- Deionized water systems.

Service Temperature Range: + 5°F (-4°C) to +150°F (+65°C)

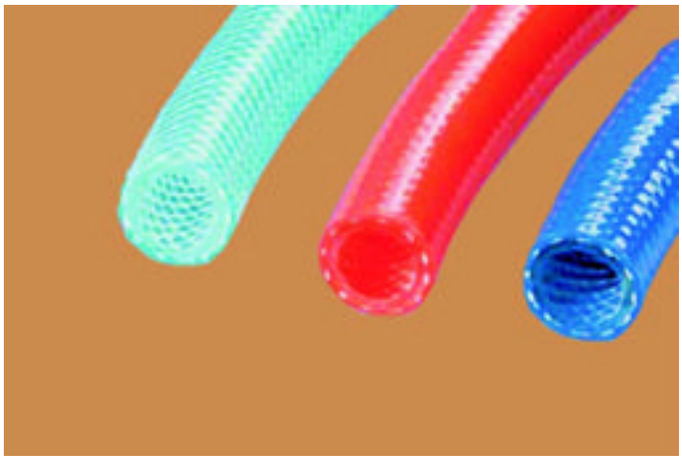
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.	Min Bend Radius @ 70°F
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)			
K7130	04	1/4	6.4	.500	12.7	250	80	100 ft.	10 lbs.	1"
K7130	06	3/8	9.5	.625	15.9	150	80	100 ft.	13 lbs.	1 1/2"
K7130	08	1/2	12.7	.813	20.7	150	80	100 ft.	21 lbs.	2"
K7130	10	5/8	15.9	1.000	25.4	150	65	100 ft.	30 lbs.	2 1/2"
K7130	12	3/4	19.1	1.125	28.6	150	65	100 ft.	36 lbs.	3"
K7130	16	1	25.4	1.375	34.9	100	50	100 ft.	44 lbs.	4"
K7130	20	1 1/4	31.8	1.750	44.5	100	50	50 ft.*	37 lbs.	5"
K7130	24	1 1/2	38.1	2.000	50.8	100	35	50 ft.*	42 lbs.	6"
K7130	32	2	50.8	2.500	63.5	100	35	50 ft.*	56 lbs.	8"

* 25 ft. coils available - call for details.
† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.
‡ CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
3A(01), FDA(03), NSF(13), RoHS(15), UL(16), USDA(17), USP(18).

PNEU-THANE™ - Series K5090, K5094, K5096 - Lightweight Reinforced - Polyurethane Pneumatic - Air Tool Hose



An extremely lightweight, tough, flexible pneumatic air tool hose that is suitable for a wide range of industrial and construction applications.

Construction:
- Tube - Clear ether-based polyurethane.
- Reinforcement - High tensile strength yarn.
- Cover - Ether-based polyurethane, available in three colors: K5090 - Turquoise Tint, K5094 - Red, K5096 - Blue.

Features:
- Very lightweight and flexible...helps to cut down on work-related injuries.
- Good flex fatigue and resilience characteristics.
- Excellent resistance to oils and solvents.
- High oil resistance, complies with RMA's Class A Designation.
- Superior cut-resistance.
- High abrasion-resistance... provides extra long life compared with conventional PVC or rubber air hoses.
- Good resistance to hydrolysis and algae in warm water applications.
- Silicone-free core and cover.
- Non-conductive compounds.
- Non-marking cover.
- One-piece lengths.
- Individually shrink-wrapped assemblies are available.
- RoHS(15) compliant.

Applications:
- For use with pneumatic air tools such as roofing nailers, sanders, chippers, impact wrenches, screwdrivers and staplers.
- In-plant assembly line air service.
- Automotive repair and body shops.
- Construction sites.
- Marine applications.
- Air service for spray painting equipment.

Service Temperature Range: -40°F (-40°C) to +185°F (+85°C)

Nominal Specifications

Standard Stock Colors		Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
K5090 Turquoise	K5094 Red K5096 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reel	Coil/Box	500 ft.	100 ft.
x	x	04	1/4	6.5	.395	10.0	250	200	500 ft.	100 ft.	27 lbs.	4 lbs.
	x	05	5/16	8.0	.472	12.0	250	200	500 ft.	100 ft.	32 lbs.	5 lbs.
x	x	06	3/8	9.5	.560	14.2	250	200	500 ft.	100 ft.	47 lbs.	8 lbs.
x	x	08	1/2	12.5	.688	17.5	250	200	500 ft.	100 ft.	57 lbs.	10 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

Series A1141, A1144, A1146, A1148 - Special Purpose PVC/Polyurethane Air Hose

This special blended hose is ideal for general air and water applications that need to operate at higher temperatures than traditional PVC hoses.

Construction:
- Tube - Grey PVC/polyurethane alloy.
- Reinforcement - High tensile strength yarn.
- Cover - PVC/polyurethane alloy, available in four colors: A1141 - Yellow, A1144 - Red, A1146 - Blue, A1148 - Grey.

Features:
- Grey core tube has excellent cut resistance... complies with RMA's Class A designation for high oil resistance.
- Highly abrasion-resistant alloy jacket.
- Smooth, non-marking pin-pricked cover.
- Good flexibility over a wide temperature range.
- Good fitting retention at elevated temperatures.
- Silicone-free.
- One-piece lengths.
- RoHS(15) compliant.

Applications:
- Transfer of air and water.
- Ideal for applications in rugged or higher temperature environments.
- Induction welding tubing lines.
- Injection molding coolant lines.
- Transfer of deionized water.
- Transfer of transmission and power steering fluids.
- Lubrication/air drop lines.
- Robotic and pneumatic air lines.
- Automotive assembly line air hoses.

Note: Not recommended for transfer of brake fluids.

Service Temperature Range: 0°F (-18°C) to +185°F (+85°C)

Nominal Specifications

Standard Stock Colors		Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Reels	Approx. Wt. per Pkg.
A1144 Red	A1141 Yellow A1146 Blue A1148 Grey		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
x	x	04	1/4	6.5	.460	11.7	300	200	500 ft.	37 lbs.
*		05	5/16	8.0	.520	13.2	300	200	500 ft.	44 lbs.
x	x	06	3/8	9.5	.625	15.9	300	200	500 ft.	67 lbs.
x	x	08	1/2	12.7	.770	19.6	300	200	500 ft.	88 lbs.
*		10	5/8	15.9	.969	24.6	300	175	300 ft.	76 lbs.
x	x	12	3/4	19.0	1.060	26.9	300	150	300 ft.	79 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
*** Note:** Series A1144 5/16" and 5/8" id sizes are non stock items.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

TUNDRA-AIR® - Series K1231, K1234, K1236 - Air & Water Hose

Made in America

These hoses, made from specially formulated compounds of high grade PVC resin, are engineered to be tough and flexible at very low temperatures. The superior physical properties and design of the hose makes it outperform other general purpose PVC and rubber hoses in cold weather air tool applications.

Construction:
- Tube - High grade low temperature PVC compound.
- Reinforcement - High tensile strength polyester yarn.
- Cover - High grade low temperature PVC compound, available in three colors: K1231 - Yellow, K1234 - Red, K1236 - Blue.

Features:
- Excellent low temperature flexibility.
- Extremely easy to handle, even in cold weather where other PVC hoses become stiff.
- Excellent abrasion resistance.
- Resilient material avoids permanent deformation caused by stresses.
- One-piece lengths.
- Medium Class B oil resistance.
- Non-marking pin-pricked cover.
- Light weight.
- Silicone-free materials.
- RoHS(15) compliant.
- Individually shrink-wrapped assemblies are available.

Applications:
- Outdoor air and water hose for use in cold weather, where flexibility is required.
- Ideal for in-plant applications that require very easy handling in tight workspaces.
- In-plant freezer applications requiring air or water service.
- A versatile, lightweight multi-function hose for air, water, or mild chemical use.

Service Temperature Range: -40°F (-40°C) to +150°F (+65°C)

Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils/Reels	Approx. Wt. per Pkg.		
K1231 Yellow	K1234 Red	K1236 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		100 ft.	300 ft.	500 ft.
x	x	x	04	1/4	6.5	.500	12.7	300	160	100/500 ft.	8 lbs.		38 lbs.
x	x	x	06	3/8	9.5	.625	15.9	300	160	100/500 ft	10 lbs.		52 lbs.
x	x	x	08	1/2	12.7	.781	19.8	300	160	100/500 ft	15 lbs.		77 lbs.
*	*	*	12	3/4	19.1	1.080	27.4	200	120	100/300 ft	25 lbs.	74 lbs.	
*	*	*	16	1	25.4	1.360	34.5	200	120	100/300 ft	35 lbs.	104 lbs.	

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
***Note:** Series K1231, K1234 and K1236 in 3/4" and 1" id sizes are non stock items.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

POLYAIR® - Series K1131, K1134, K1136, K1137, K1138 - Multi-Purpose - Air & Water Hose

Made in America

Our high quality flexible PVC compounds are uniquely blended to make this hose look and feel like comparable rubber hose and stay flexible at low temperatures. Its light weight makes it an ideal hose for air tool applications.

Construction:
- Tube - Black PVC compound.
- Reinforcement - Spiral polyester yarn with additional longitudinal yarns... reduces elongation under pressure.
- Cover - PVC compound in five colors: K1131 - Yellow, K1134 - Red, K1136 - Blue, K1137 - Green, K1138 - Grey.

Features:
- U. V. and weather resistant.
- Excellent cold weather flexibility.
- Easily re-coiled after use.
- Medium/high oil resistance, complies with RMA's Class B Designation.
- Non-marking pin-pricked cover.
- Lightweight.
- One-piece lengths.
- Chemical resistance of PVC.
- Silicone-free core and cover.
- RoHS(15) compliant.
- Individually shrink-wrapped assemblies are available.

Applications:
- Ideal for in-plant applications requiring color coding of hose supply lines.
- Transfer of air, water and mild water-soluble chemicals.
- Outdoor applications requiring a low temperature hose.
- General air supply line for pneumatic tools and paint spray systems.
- Low pressure spray hose for water-soluble chemicals.

Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)

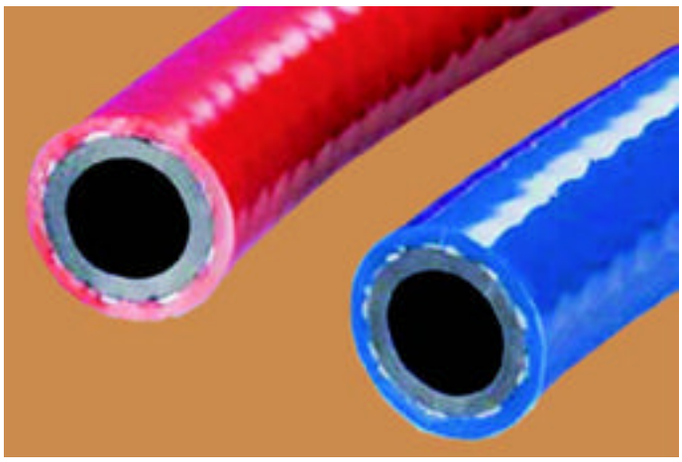
Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
K1134Red	K1131Yellow K1136 Blue K1138 Grey	K1137Green		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reels	Coil	Reels	Coil
x	x		04	1/4	6.5	.500	12.7	300	180	500 ft.	100 ft.	44 lbs.	8 lbs.
x			05	5/16	8.0	.625	15.9	300	180	500 ft.	100 ft.	67 lbs.	13 lbs.
x	x	x	06	3/8	9.5	.625	15.9	300	180	500 ft.	100 ft.	58 lbs.	11 lbs.
x	x		08	1/2	12.7	.813	20.7	300	180	500 ft.	100 ft.	93 lbs.	18 lbs.
x			10	5/8	15.9	.906	23.0	250	125	300 ft.	100 ft.	64 lbs.	19 lbs.
x	x		12	3/4	19.0	1.125	28.6	250	100	300 ft.	100 ft.	96 lbs.	30 lbs.
x	x		16	1	25.4	1.406	35.7	250	100	300 ft.	100 ft.	130 lbs.	41 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

Series K1154, K1156 - General Purpose PVC - Air & Water Hose



Made in America

A general purpose PVC air and water hose for in plant and outdoor applications in temperate climate conditions.

Construction:
- Tube - Black PVC compound.
- Reinforcement - High tensile strength yarn.
- Cover - PVC compound, available in two colors: K1154 - Red and K1156 - Blue.

Features:
- Economical, flexible and lightweight.
- Excellent abrasion resistance.
- U. V. and weather resistant.
- Non-marking pin-pricked cover.
- Silicone-free core and cover.
- Complies with RMA's Class B designation for medium/high oil resistance.
- One piece lengths.

Applications:
- Transfer of air, water and mild water soluble chemicals.
- Ideal for in-plant applications that require an economical general purpose hose.
- Excellent air supply line for pneumatic tools and paint spray systems.

Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

Nominal Specifications

Series No.		Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
K1154 Red	K1156 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reels	Coil	Reels	Coil
x	x	04	1/4	6.4	.500	12.7	300	150	500 ft.	100 ft.	44 lbs.	2 lbs.
x	*	05	5/16	7.9	.625	15.9	300	150	500 ft.	100 ft.	68 lbs.	13 lbs.
x	x	06	3/8	9.5	.625	15.9	300	150	500 ft.	100 ft.	56 lbs.	11 lbs.
x	x	08	1/2	12.7	.750	19.1	300	150	500 ft.	100 ft.	77 lbs.	14 lbs.
x	x	10	5/8	15.9	.895	22.6	200	100	300 ft.	100 ft.	60 lbs.	18 lbs.
x	x	12	3/4	19.1	1.030	26.2	200	75	300 ft.	100 ft.	72 lbs.	22 lbs.
x	x	16	1	25.4	1.313	33.3	120	75	300 ft.	100 ft.	105 lbs.	31 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
*** Note:** Series K1156 5/16" id size is a non stock item.

Series K1171, K1173, K1174, K1176 - General Service PVC - Air & Water Hose

A general service PVC air and water hose for indoor or outdoor applications requiring a lightweight hose that can operate at lower temperatures.

Construction:
- Tube - Black PVC compound.
- Reinforcement - High tensile strength yarn.
- Cover - PVC compound, available in four colors: K1171 - Yellow, K1173 - Black, K1174 - Red, K1176 - Blue.

Features:
- Economical, lightweight, low temperature alternative to rubber hose.
- Excellent abrasion resistance.
- 300 PSI working pressure on all sizes.
- U. V. and weather resistant.
- Non-marking pin-pricked cover.
- Complies with RMA's Class B designation for medium/high oil resistance.
- One piece lengths.
- Formulated for low temperature flexibility.
- Individually shrink-wrapped assemblies are available.

Applications:
- Transfer of air, water and mild water soluble chemicals.
- Ideal for in-plant and outdoor applications that require an economical general purpose hose.
- Excellent air supply line for pneumatic tools and paint spray systems.

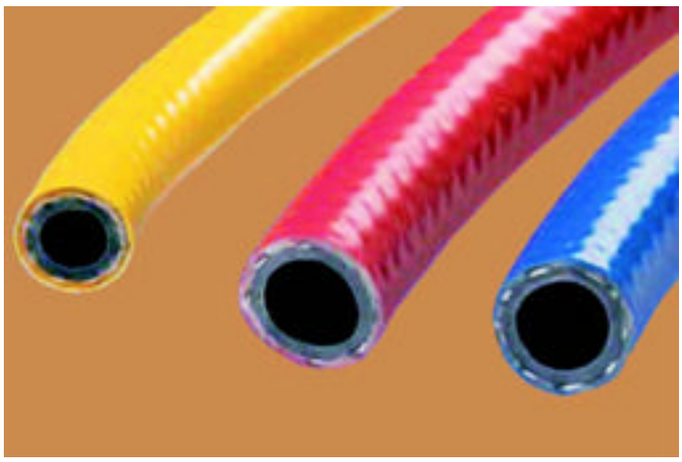
Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)

Nominal Specifications

Standard Stock Colors				Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
K1171 Yellow	K1173 Black	K1174 Red	K1176 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
x		x	x	04	1/4	6.5	.475	12.1	300	150	500 ft.	36 lbs.
x	x	x	x	06	3/8	9.5	.600	15.2	300	150	500 ft.	48 lbs.
x		x	x	08	1/2	12.7	.750	19.1	300	150	300 ft.	42 lbs.
		x		10	5/8	15.9	.860	21.8	250	125	300 ft.	46 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Series K1181, K1184, K1186 - Utility Grade PVC Air Hose



A lightweight utility air and water hose economically designed for indoor and outdoor applications operating in temperate climate conditions.

Construction:
- Tube - Black PVC compound.
- Reinforcement - High tensile strength yarn.
- Cover - PVC compound, available in three colors: K1181 - Yellow, K1184 - Red, K1186 - Blue.

Features:
- Economical, lightweight construction.
- U. V. and weather resistant.
- One-piece coils.
- Individually shrink-wrapped assemblies are available.

Applications:
- Transfer of air, water and mild water soluble chemicals.
- Indoor/outdoor air tool service.

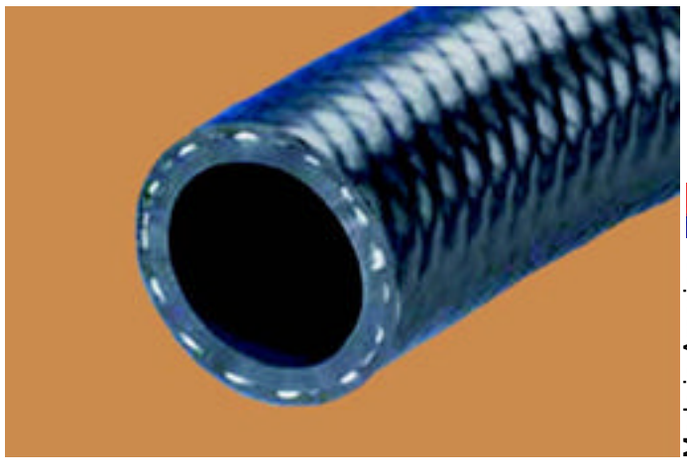
Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI) @70°F (20°C)	Standard Length Coil	Approx. Wt. per Coil (lbs)
K1181 Yellow	K1184 Red	K1186 Blue		(In)	(mm)	(In)	(mm)			
x	x	x	04	1/4	6.5	.475	12.1	300	500 ft.	35.0
x	x	x	06	3/8	9.5	.600	15.2	300	500 ft.	47.5

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Series K2163 - Contractor PVC - Water Hose



A heavy duty PVC water hose suitable for general industrial water and construction applications.

Construction:
Tube: Black PVC compound.
Reinforcement: High tensile strength yarn.
Cover: Black PVC weather resistant compound.

Features:
Cost effective.
Lightweight.
Higher working and burst pressures.
Weather resistant PVC cover.
Silicone-free.
One-piece lengths.
Individually shrink-wrapped assemblies are available.

Applications:
Construction water transfer.
Heavy duty industrial and commercial watering.
Irrigation supply lines.
Municipal maintenance watering.

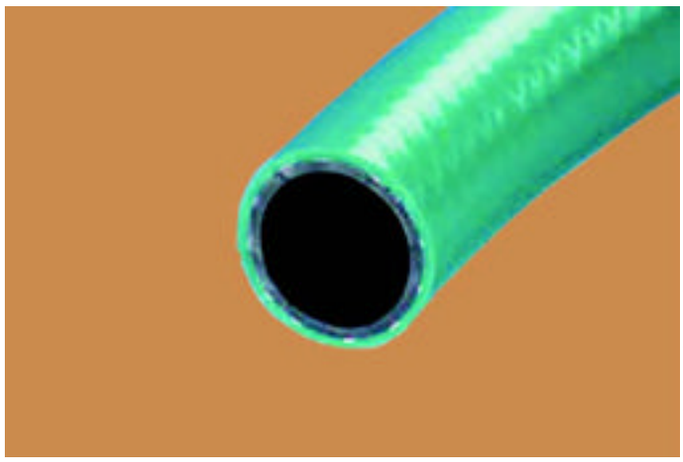
Service Temperature Range: + 25°F (-4°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
K2163	12	3/4	19.1	1.030	26.2	150	75	300 ft.	65 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Series A1307 - Standard Duty Reinforced - PVC Water Hose



An all-purpose PVC hose for light duty industrial watering applications.

Construction:
- Tube - Smooth black PVC compound.
- Reinforcement - High tensile strength yarn.
- Cover - Smooth opaque green PVC compound.

Features:
- Economical.
- Lightweight and easy to handle.
- Good resistance to weather aging, ozone and ultraviolet light.
- Silicone-free.
- One-piece lengths.

Applications:
- Light duty industrial watering.
- Lawn and garden watering.
- Nursery water supply lines.
- Light duty commercial washdown.

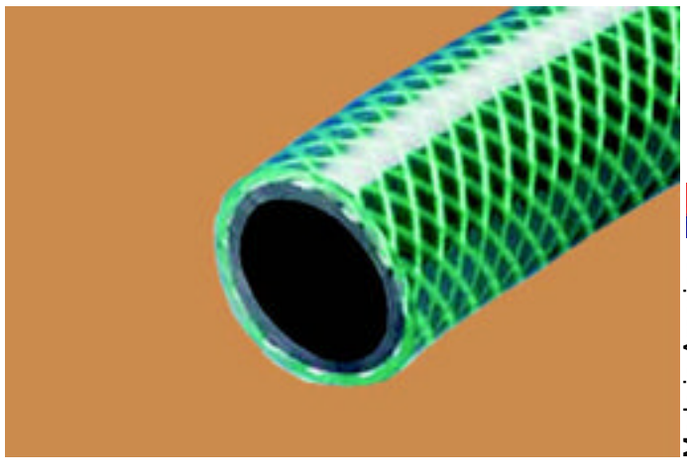
Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
A1307	08	1/2	12.7	.692	17.6	125	50	300 ft.	34 lbs.
A1307	10	5/8	5.9	.817	20.8	125	50	300 ft.	40 lbs.
A1307	12	3/4	9.1	.972	24.7	100	100	300 ft.	53 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Series A1317 - Heavy Duty Reinforced - PVC Water Hose



An all-purpose heavy duty PVC hose that's ideal for golf courses, parks and construction projects.

Construction:
- Tube - Smooth black PVC compound.
- Reinforcement - High tensile strength yarn.
- Cover - Smooth transparent green PVC compound.

Features:
- Higher working and burst pressures.
- Abrasion-resistant cover.
- Good resistance to weather aging.
- Silicone-free.
- One-piece lengths.
- Individually shrink-wrapped assemblies are available.

Applications:
- Golf course water lines.
- Heavy duty commercial and construction use.
- Municipal maintenance and park departments.
- Irrigation supply lines.
- Heavy duty washdown.

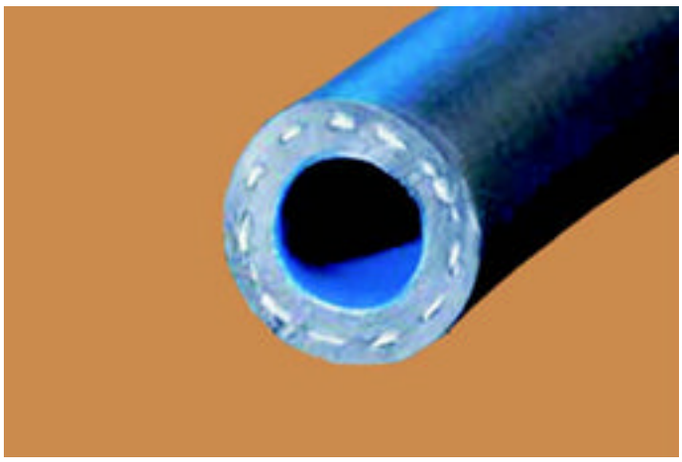
Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
A1317	12	3/4	19.1	1.025	26.0	125	50	300 ft.	65 lbs.
A1317	16	1	25.4	1.297	32.9	125	50	200ft./ 300 ft.	60 lbs./ 90 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Series A4143 - Medium Pressure - Paint Fluid Transfer Hose



Lightweight polyethylene-lined rubber blend hose that is the ideal choice for handling paint and paint-related products in a variety of applications.

Construction:
- Tube - Co-extruded blue LLDPE/rubber blend.
- Reinforcement - High tensile strength yarn.
- Cover - Black rubber blend compound; Branded "Paint Fluid".

Features:
- Excellent resistance to paint fluids, lacquers and solvents... see chemical resistance chart, referring to both core and cover materials.
- Excellent flexibility.
- Lightweight.
- Silicone-free.
- One-piece lengths.
- Compatible with popular spray fittings, such as Binks and DeVilbiss.
- Excellent cold weather properties.
- RoHS(15) compliant.

Applications:
- Lower pressure transfer of enamels, lacquers and other finishes.
- Robotic paint spraying equipment.
- Manual paint spraying.
- Spraying of automobile "rustproofing" fluids.
- Low temperature transfer of chemicals.

Service Temperature Range: -40°F (-40°C) to +125°F (+52°C)

Nominal Specifications

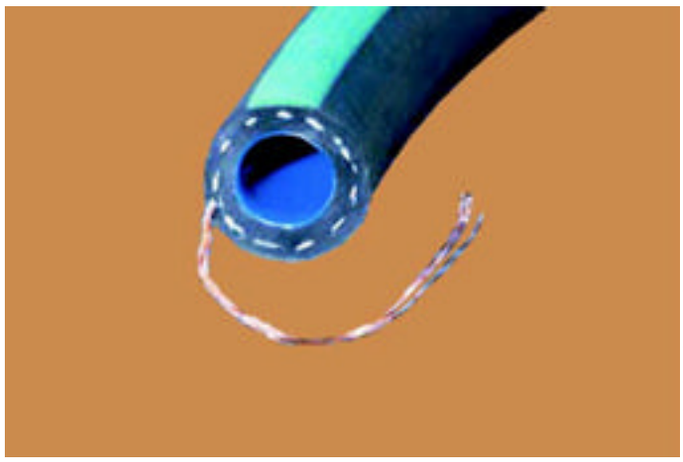
Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reel	Coil	Reel	Coil
A4143	04	1/4	6.5	.500	12.7	175	85	500 ft.	100 ft.	36 lbs.	7 lbs.
A4143	06	3/8	9.5	.690	17.3	175	85	500 ft.	100 ft.	60 lbs.	12 lbs.
A4143	08	1/2	12.7	.875	22.2	175	85	500 ft.	100 ft.	93 lbs.	18 lbs.
A4143	12	3/4	19.0	1.188	30.2	150	75	-	300/100 ft.	-	85/28 lbs.
A4143	16	1	25.4	1.500	38.1	125	60	-	200/100 ft.	-	86/43 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Compatible with popular spray fittings, such as Binks and devilbiss.

CAUTION: NOT FOR USE WITH HOT PAINT. DO NOT EXCEED TEMPERATURE OF 125°F (+5°C).
WARNING: IMMERSION OF THE HOSE IN SOLVENTS FOR AN EXTENDED PERIOD OF TIME IS NOT RECOMMENDED DUE TO POTENTIAL SWELLING OF THE HOSE jACKET.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

Series A4143S (with Static Wire) - Medium Pressure - Paint Fluid Transfer Hose



Made in America

Lightweight polyethylene-lined rubber blend hose that is the ideal choice for handling paint and paint-related products in a variety of applications.

Construction:
- Tube - Co-extruded blue LLDPE/rubber blend.
- Static wire - Embedded copper wire for static conductivity (see note below).‡
- Reinforcement - High tensile strength yarn.
- Cover - Black rubber blend compound; Branded "Paint Fluid".

Features:
- Excellent resistance to paint fluids, lacquers and solvents... see chemical resistance chart, referring to both core and cover materials.
- Excellent flexibility.
- Lightweight.
- Silicone-free.
- One-piece lengths.
- Compatible with popular spray fittings, such as Binks and DeVilbiss.
- Excellent cold weather properties.
- Static conductivity.
- RoHS(15) compliant.

Applications:
- Lower pressure transfer of enamels, lacquers and other finishes.
- Robotic paint spraying equipment.
- Manual paint spraying.
- Spraying of automobile "rustproofing" fluids.
- Low temperature transfer of chemicals.

Service Temperature Range: -40°F (-40°C) to +125°F (+52°C)

Nominal Specifications

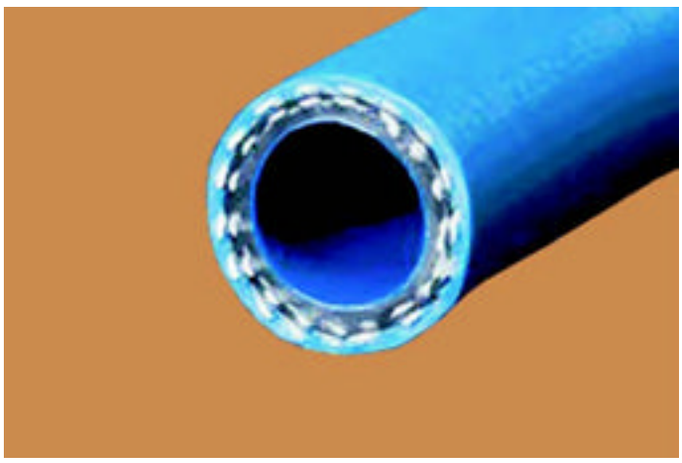
Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reel	Coil	Reel	Coil
A4143S	04	1/4	6.5	.500	12.7	175	85	500 ft.	100 ft.	36 lbs.	7 lbs.
A4143S	06	3/8	9.5	.690	17.3	175	85	500 ft.	100 ft.	60 lbs.	12 lbs.
A4143S	08	1/2	12.7	.875	22.2	175	85	500 ft.	100 ft.	93 lbs.	18 lbs.
A4143S	12	3/4	19.0	1.188	30.2	150	75	-	300/100 ft.	-	85/28 lbs.
A4143S	16	1	25.4	1.500	38.1	125	60	-	200/100 ft.	-	86/43 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Compatible with popular spray fittings, such as Binks and devilbiss.
‡ Caution: This product is designed to dissipate static electricity when the metal wire is properly grounded through the fitting or by other means.

CAUTION: NOT FOR USE WITH HOT PAINT. DO NOT EXCEED TEMPERATURE OF 125°F (+5°C).
WARNING: IMMERSION OF THE HOSE IN SOLVENTS FOR AN EXTENDED PERIOD OF TIME IS NOT RECOMMENDED DUE TO POTENTIAL SWELLING OF THE HOSE JACKET.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

Series A4086 - High Pressure Polyethylene - Rubber Blend Reinforced - Chemical Spray &Transfer Hose



A premium chemical spray and transfer hose for applications requiring greater chemical-resistance... excellent for high pressure tree and orchard spraying, as well as paint, solvent and chemical transfer.

Construction:
- Tube - Co-extruded blue LLDPE/rubber blend.
- Reinforcement - High tensile strength yarn . . . two-pass spiral construction.
- Cover - Blue rubber blend compound.

Features:
- Excellent chemical-resistance.
- Extremely light weight.
- Excellent low temperature properties.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Silicone-free.
- RoHS(15) compliant.

Applications:
- For use in applications where additional chemical resistance is required . . . see chemical resistance chart, referring to both core and cover materials.
- High pressure tree, orchard and vineyard spraying.
- Concrete curing and spraying.
- Paint and solvent transfer.
- Chemical transfer.

Service Temperature Range: -40°F (-40°C) to +130°F (+54°C)

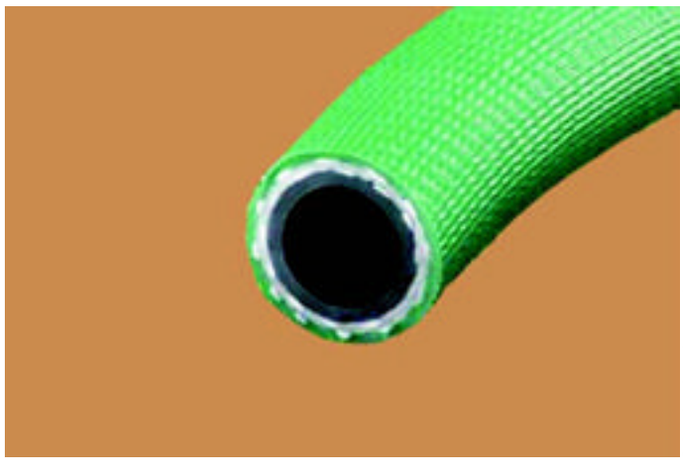
Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
A4086	06	3/8	9.5	.688	17.5	800	300	300/100 ft.	33/11 lbs.
A4086	08	1/2	12.7	.840	21.3	800	300	300/100 ft.	45/15 lbs.
A4086	12	3/4	19.1	1.140	29.0	800	250	300/100 ft.	72/24 lbs.
A4086	16	1	25.4	1.400	35.6	400	125	200/100 ft.	65/33 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
Note: use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. hHose claims involving use of these fittings will be disallowed.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

Series A1687 - 800 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose



Unique PVC/polyurethane blended core provides excellent resistance to hydrocarbon-based tree spray, lawn care and pest control chemicals. Reinforced with high tensile strength yarn. PVC ribbed cover provides abrasion resistance.

Construction:
- Tube - Black PVC/polyurethane blend.
- Reinforcement - High tensile strength yarn two-pass spiral construction.
- Cover - Ribbed PVC.

Features:
- Extremely tough and kink resistant.
- PVC/polyurethane blended core - provides better chemical resistance than comparable all-PVC hoses.
- Ribbed cover provides excellent abrasion-resistance.
- 800 PSI working pressure.
- Pin-pricked cover vents vapor... helps prevent ballooning.
- Silicone-free.
- One-piece lengths.

Applications:
- Tree and orchard spraying.
- Agricultural spraying.
- Commercial weed spraying.

Service Temperature Range: +15°F (-10°C) to +160°F (+70°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Coil Length	Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		300 ft. Coil	400 ft. Coil
A1687	06	3/8	9.5	.650	16.5	800	450	300 or 400 ft.	41 lbs.	54 lbs.
A1687	08	1/2	12.7	.850	21.6	800	450	300 or 400 ft.	68 lbs.	90 lbs.
A1687	10	5/8	15.9	1.030	26.2	800	400	300 ft.	96 lbs.	-
A1687	12	3/4	19.1	1.170	29.7	800	400	300 ft.	126 lbs.	-

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
Note: use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

Series A1661 - 600 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose

Made in America

Unique PVC/polyurethane blended core provides excellent resistance to hydrocarbon-based lawn care and pest control chemicals. Reinforced with high tensile strength yarn. PVC ribbed cover provides abrasion resistance.

Construction:
- Tube - Black PVC/polyurethane blend.
- Reinforcement - High tensile strength yarn.
- **Cover** - Ribbed PVC.

Features:
- Extremely tough and kink resistant.
- PVC/polyurethane blended core - provides better chemical resistance than comparable all-PVC hoses.
- Ribbed cover provides excellent abrasion-resistance.
- 600 PSI working pressure.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Silicone-free.
- One-piece lengths.

Applications:
- Agricultural spraying.
- Commercial weed spraying.
- Pest control spraying.

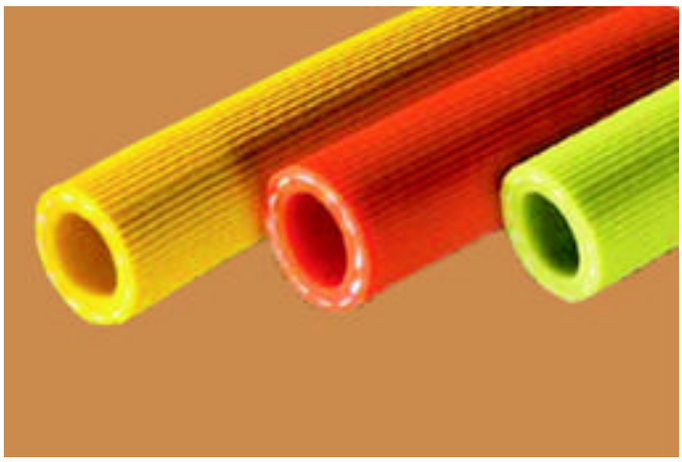
Service Temperature Range: +15°F (-10°C) to +160°F (+70°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Coil Length	Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		300 ft. Coil	400 ft. Coil
A1661	06	3/8	9.5	.650	16.5	600	350	300 or 400 ft.	41 lbs.	54 lbs.
A1661	08	1/2	12.7	.790	20.1	600	350	300 or 400 ft.	57 lbs.	76 lbs.
A1661	10	5/8	15.9	1.030	26.2	600	300	300 ft.	96 lbs.	-
A1661	12	3/4	19.1	1.170	29.7	600	300	300 ft.	126 lbs.	-

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
Note: use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® Hose products. hose claims involving use of these fittings will be disallowed.

Series K4131, K4132, K4137 - 600 PSI PVC Spray - Reinforced Hose



Made in America

Excellent quality spray hoses made with premium quality PVC compounds, ideally-suited for lawn and ornamental spray applications using wettable powder chemicals. (Not recommended for high pressure tree spray applications.)

Construction:
- K4131 - Yellow, K4123 - Orange and K4137 - Mint Green.
- Tube - Yellow, Orange, or Mint Green PVC.
- Reinforcement - High tensile strength yarn; one-pass spiral construction.
- Cover - Yellow, Orange, or Mint Green ribbed PVC.

Features:
- Economically priced.
- Ribbed cover for reduced drag and increased flexibility.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Non-marking.
- Light weight - easily coiled after use.
- Longitudinal reinforcing yarns enhance coupling retention and reduce elongation under pressure.
- Chemical resistance of quality PVC for the transfer or spraying of "wettable powder" type chemicals. Not recommended for use with emulsifiable chemicals based on hydrocarbon carriers.
- Silicone-free.
- One-piece lengths.

Applications:
- Lawn spraying.
- Agricultural spraying.
- Vineyard spraying.
- Nursery spraying.
- Building washdown.

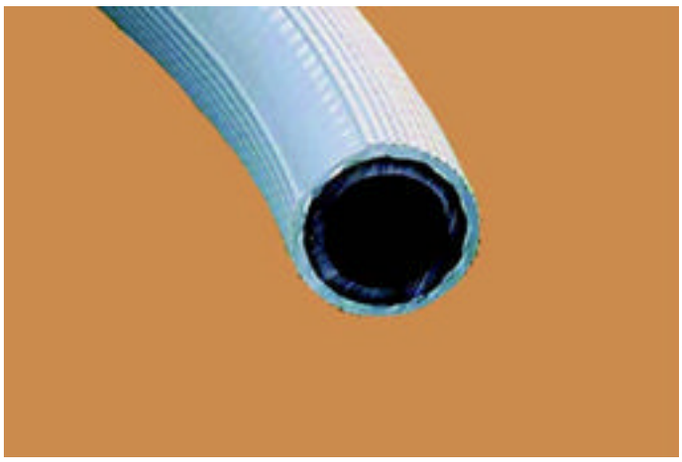
Service Temperature Range: +25°F (-5°C) to +150°F (+65°C)

Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Coil Length	Approx. Wt. per Pkg.	
K4131 Yellow	K4132 Orange	K4137 Mint Green		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		300 ft. Coil	400 ft. Coil
x	x	x	06	3/8	9.5	.625	15.9	600	250	300 or 400 ft.	35 lbs.	46 lbs.
x	x	x	08	1/2	12.7	.790	20.0	600	250	300 or 400 ft.	54 lbs.	72 lbs.

† Note: working pPressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
Note: use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

Series A1628 - 300 PSI PVC/Polyurethane - Blend Reinforced - Spray Hose



Unique PVC/polyurethane blended core provides excellent resistance to hydrocarbon-based lawn care and pest control chemicals. Reinforced with high tensile strength yarn. PVC ribbed cover provides abrasion resistance.

Construction:
- Tube - Black PVC/polyurethane blend.
- Reinforcement - High tensile strength yarn.
- Cover - Ribbed PVC.

Features:
- Extremely tough and kink resistant.
- PVC/polyurethane blended core - provides better chemical resistance than comparable all-PVC hoses.
- Ribbed cover provides excellent abrasion-resistance.
- 300 PSI working pressure.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Silicone-free.
- One-piece lengths.

Applications:
- Pest control spraying.
- Agricultural spraying.
- Commercial weed spraying.

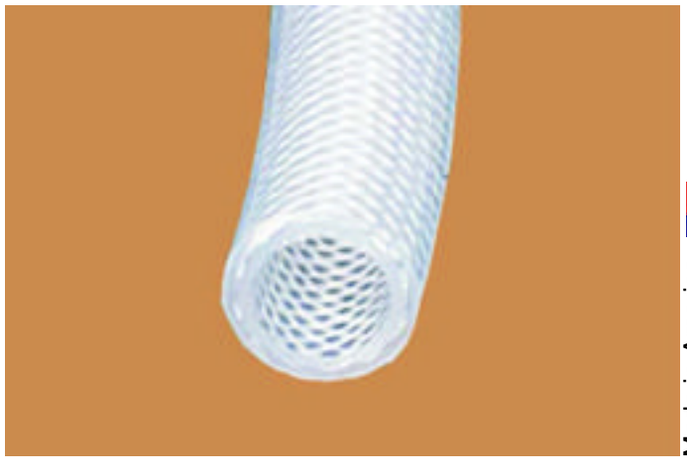
Service Temperature Range: +15°F (-10°C) to +160°F (+70°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Coil Length	Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		300 ft. Coil	400 ft. Coil
A1628	06	3/8	9.5	.625	15.9	300	150	300 or 400 ft.	36 lbs.	47 lbs.
A1628	08	1/2	12.7	.770	19.6	300	150	300 or 400 ft.	49 lbs.	65 lbs.
A1628	12	3/4	19.1	1.060	26.9	200	100	300 ft.	80 lbs.	-
A1628	16	1	25.4	1.306	33.2	200	100	200 ft.	67 lbs.	

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
Note: use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

Series K4350 - EVA Yarn-Reinforced - Spray Hose



Made in America

A yarn reinforced EVA hose suitable for low pressure spraying and transfer of agricultural chemicals.

Construction:
- Tube - Translucent EVA copolymer.
- Reinforcement - High tensile strength yarn.
- Cover - Translucent EVA copolymer.

Features:
- Highly flexible.
- Higher working pressures than non-reinforced EVA tubing.
- Excellent low temperature flexibility.
- Excellent chemical-resistance.
- Silicone-free.
- One-piece lengths.
- RoHS(15) compliant.

Applications:
- Agricultural spray applications, including anhydrous ammonia fertilizer.
- Low pressure lawn spray.
- Low pressure transfer of liquids and gases, including chemicals.

Service Temperature Range: -30°F (-35°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. WorkingPressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Coil	Reel	Coil	Reel
K4350	06	3/8	9.5	.594	15.1	300	100	300 ft.	500 ft.	22 lbs.	41 lbs.
K4350	08	1/2	12.7	.719	18.3	250	75	300 ft.	500 ft.	26 lbs.	51 lbs.
K4350	12	3/4	19.1	.970	24.6	150	40	300 ft.	-	36 lbs.	-
K4350	16	1	25.4	1.313	33.4	150	30	200 ft.	-	47 lbs.	-

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

Series A9350 - Polyethylene - Yarn-Reinforced Dual Line - Spray Hose

Made in America

Special light weight dual line reinforced hose which offers chemical resistance along with ease of handling for spraying of herbicides and fertilizers.

Construction:
- Tube - Special translucent LLDPE.
- Reinforcement - High tensile strength yarn.
- Cover - Special "low friction" translucent copolymer.

Features:
- Extremely light weight.
- Exceptionally low resistance to dragging.
- Both core and cover offer excellent chemical-resistance and resistance to environmental stress cracking.
- Silicone-free.
- One-piece lengths.
- RoHS(15) compliant.

Applications:
- Spot herbicide treatment, while fertilizing.
- Automatic dilution of liquid concentrate at the spray head.

Service Temperature Range: -30°F (-35°C) to +150°F (+65°C)

Nominal Specifications

Part No.	Line 1				Line 2				Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
	Nominal ID		Nominal OD		Nominal ID		Nominal OD					
	(In)	(mm)	(In)	(mm)	(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
A9350-04060-03S	1/4	6.5	.457	11.6	3/8	9.5	.593	15.1	250	100	300 ft.	37 lbs.
A9350-04060-04S	1/4	6.5	.457	11.6	3/8	9.5	.593	15.1	250	100	400 ft.	49 lbs.
A9350-04080-03S	1/4	6.5	.457	11.6	1/2	12.7	.740	18.8	250	100	300 ft.	46 lbs.
A9350-04080-04S	1/4	6.5	.457	11.6	1/2	12.7	.740	18.8	250	100	400 ft.	61 lbs.

Note: individual components of Series A9350 dual line Spray hose are available on special order as Series A1710S.
† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
RoHS(15)

Kuri Tec® Performance - Plus Warranty Program
Subject to the provisions below, products sold or distributed by Seller are warranted to be free from defects in material and workmanship for the following time periods:

- For Kuri Tec® Series K4131, K4132, K4137, A1628, A1661, A1687 and A9350 spray hoses - a period of three years from the date of purchase.

Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® spray hose products. hose claims involving use of these fittings will be disallowed.

A phone call to our Customer Service department; in the u.S., Kuriyama of America, inc., Schaumburg, il (847)-755-0360 or in Canada, (519) 753-6717 Kuri Tec Corporation, Brantford, ON, Canada should be made to report any product claims." "The Seller, Kuriyama of America, inc. or Kuri Tec Corporation, (please refer to address information on back page of catalog) may require a prepaid return of the affected hose before the following refund/credit schedule can be implemented. Note: Any hose that is to be returned must be fully drained. mSdS, material Safety data Sheets must also be submitted to Kuriyama of America, inc. or Kuri Tec Corporation (please refer to address information on back page of catalog), via mail or fax prior to any authorized return. For claims made the Seller's liability is limited exclusively to the following:
1. For claims made during the first year: full replacement of hose or a credit of the original purchase price at Seller's option.
2. For claims made during the second year, for spray hoses having a three year warranty: A credit for two thirds of the original purchase price will be refunded as a credit.
3. For claims made during the third year, for spray hoses having a three year warranty: A credit for one third of the original purchase price will be refunded as a credit.

This warranty is in lieu of and excludes all other warranties, expressed, implied, statutory, or otherwise created under applicable law including, but not limited to, the warranty of merchantability and the warranty of fitness for a particular purpose. in no event shall seller or the manufacturer of the product be liable for special, incidental, or consequential damages, including loss of profits, whether or not caused by or resulting from the negligence of seller and/or the manufacturer of the product, unless specifically provided herein. in addition, this warranty shall not apply to any products or portions thereof which have been subjected to abuse, misuse, improper installation, maintenance, or operation, electrical failure or abnormal conditions, and to products which have been tampered with, altered, modified, repaired, reworked by anyone not approved by seller, or used in any manner inconsistent with the provisions of the "Cautionary Statement" above or any instructions or specifications provided with or for the product. No distributor is authorized to extend any other warranty on behalf of the Seller. 2/2005

Considerations for Selecting and Using Spray Hose

One of the most demanding hose applications is chemical spray, as seen in lawn care and pest control. The hose is subject to both internal and external stress. Internal hose stress results from the high pressures used and the aggressive nature of the chemicals. External stress is applied to the hose by pulling and dragging the hose, as well as exposure to the freshly applied chemicals.
Several Kuri Tec® hoses are offered for use in chemical spray applications and, in order to obtain optimum performance and service life, it is essential that the proper hose be selected and that proper care be taken in handling the hose.

What type of chemical is being conveyed?
In general, lawn care and pest control chemicals fall into two classifications, based on the physical form of the substance: wettable powders (WP) and emulsifiable liquid concentrates (EC).
Wettable powders are supplied in dry powder or granular form and are dissolved in water to create a sprayable solution. The substances are generally stable when in solution and will not "settle out" when allowed to stand. All of our pest control, lawn, and tree chemical spray hoses will handle most of these wettable concentrates in aqueous solutions at normal suggested concentrations.
Emulsifiable concentrates are supplied in a liquid form in which the herbicide or pesticide is dissolved in a carrier that is itself a solvent or oil-based substance. When mixed with water, these substances become "emulsions" in which the chemicals are not truly dissolved in the water. When allowed to stand, the chemicals will separate from the water, generally floating to the top. The emulsified carriers themselves have an effect on the hose's core tube and, in combination with the other chemicals being used, can have a significant effect on the hose material when they separate and form a more concentrated phase.
For emulsifiable concentrate chemicals, we suggest the use of Kuri Tec hoses using PVC/Polyurethane blend compounds in the core tube, such as Series A1628, A1661 and A1687. "All PVC" spray hoses such as Series K4131 are not suggested for use with these chemicals, because of the possibility of phase separation in the mixture.
Regardless of the type of hose used with the emulsifiable concentrate chemicals, it is recommended that the hose be drained if it is going to stand for an extended period of time, since even on a reel the chemicals may separate out of the water emulsion and collect in concentrated bands at the top of the reel.
NOTE: All Kuri Tec hose suggestions are for aqueous solutions or emulsions of the chemical herbicide, pesticide or fertilizer in the suggested concentrations. For transfer of an emulsifiable concentrate in its pure form, a premium chemical spray hose such as Series A4086, with its polyethylene liner, is suggested.

At what working pressure and operating temperature will the hose be used?
All hoses, but particularly thermoplastic hoses, are affected by temperature. As the operating temperature rises, the material will soften slightly and the working and burst pressures will be reduced. It is not unusual for the hose temperature in a lawn spraying application to rise to 120°F. in summer. The individual pressure rating tables should be consulted to determine the maximum working pressure at 122°F. In general, one can expect a reduction of 40% to 60% in the working pressure rating at 120°F., when compared to the working pressures for the same hose at 70°F. This factor must be considered when selecting the proper hose.

What type of fittings should be used?
As explained in the Fitting Compatibility Guide on pages 64-65, a double-barbed fitting held in place with two band clamps appears to be the best choice for Kuri Tec spray hoses. In addition, the use of spring guards is highly recommended in order to prevent kinking of the hose at the fittings. Properly crimped ferrules over multi-barbed fittings are also suitable, provided a gap is provided at the end of the ferrule to avoid "wicking" of the fluid along the yarn.

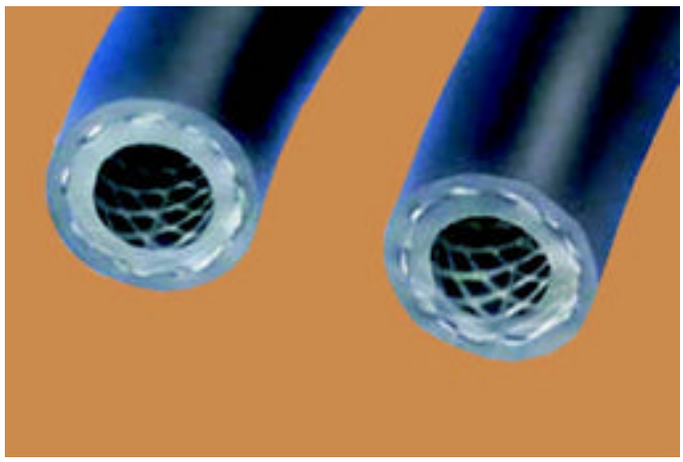
Summary of Suggested Spray Hose Applications

Series	Description						Suitability	
	Core Materials	Jacket Properties				Working Pressure† (PSI@ 70°F)	Wettable Powders	Emulsifiable Liquids
		Material	Color	Surface	Perforations			
K3150	PvC	PvC	Clear	Smooth	No	250	yes	No
K4131, 32, 37	PvC	PvC	yellow	ribbed	yes	600	yes	No
A1628	PvC/TPu	PvC	grey	ribbed	yes	300	yes	yes
A1661 (i)	PvC/TPu	PvC	yellow	ribbed	yes	600	yes	yes
A1687 (i)	PvC/TPu	PvC	green	ribbed	yes	800	yes	yes
A4086 (i)	lldPE	TPE	Blue	Smooth	yes	800	yes	yes (ii)
A1710S	lldPE	EvA	Translucent	Smooth	No	250	yes	yes (ii)
K4350	EvA	EvA	Translucent	Smooth	No	150 - 250	yes	yes (ii)

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE : (i) Two-pass reinforcement provides improved kink resistance and pressure performance.
(ii) Suitable for transfer of emulsifiable concentrate in undiluted form.

Series A1243 - Non-Toxic PVC Air - Breathing Hose



Made in America

A specially-designed non-toxic air breathing hose that provides low temperature flexibility and low odor.

Construction:
- Tube - Clear PVC compound, formulated in compliance with FDA(03) and RoHS(15) requirements.
- Reinforcement - High tensile strength yarn.
- Cover - Non-toxic, U. V. and weather resistant black PVC compound.

Features:
- Good low temperature flexibility.
- Low odor, compared with traditional rubber hose.
- Heavy wall construction matches the dimensions of rubber hose.
- Light-wall version available (1/4" size).
- One-piece lengths.
- Hose meets NIOSH(14) requirements for Type C respirator.

Applications:
- General Type C air supply lines.
- Paint spray booths.
- Indoor, in-plant air service.
- Outdoor, open air service.

Service Temperature Range: -15°F (- 26°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
A1243H	04	1/4	6.5	.625	15.9	250	150	300 ft.	42 lbs.
A1243	04	1/4	6.5	.500	12.7	250	150	500 ft.	40 lbs.
A1243H	06	3/8	9.5	.688	17.5	250	150	300 ft.	43 lbs.
A1243H	08	1/2	12.7	.840	21.3	250	150	300 ft.	66 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
NOTE: NIOSH only certifies complete breathing respirators and does not issue certifications on individual components, such as hoses. All replacement hoses for NiOSh-certified apparatus must have prior NiOSh certification as a part of that unit.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(03), NIOSH(14), RoHS(15)

Series A1263 - Low Temperature - Non-Toxic PVC - Air Breathing Hose

This specially-designed non-toxic/low odor air breathing hose provides air service in extreme low temperature conditions.

Construction:
- Tube - Clear PVC compound, formulated in compliance with FDA(03) and RoHS(15) requirements.
- Reinforcement - High tensile strength yarn.
- Cover - Non-toxic, U. V. and weather resistant black PVC compound.

Features:
- Provides increased low temperature flexibility versus Series A1243 hose.
- Low odor, compared with traditional rubber hose.
- Heavy wall construction matches the dimensions of rubber hose.
- One-piece lengths.
- Passes non-collapsibility test.
- Hose meets NIOSH(14) requirements for Type C respirator.

Applications:
- Outdoor, open air service in extreme low temperature conditions .
- General Type C air supply lines.
- Paint spray booths.
- Indoor, in-plant air service.

Service Temperature Range: -40°F (-40°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coil	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
A1263	04	1/4	6.5	.594	15.1	400	240	500 ft.	63 lbs.
A1263	06	3/8	9.5	.750	19.1	400	240	300 ft.	58 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.
NOTE: NIOSH only certifies complete breathing respirators and does not issue certifications on individual components, such as hoses. All replacement hoses for NIOSH-certified apparatus must have prior NIOSH certification as a part of that unit.

NOTE: for details of the following compliances mentioned above, refer to footnotes listed on page 711.
FDA(03), NIOSH(14), RoHS(15)

Series A4164 - Conductive PVC Air Hose - with PVC Cover

Uniquely different PVC air hose that prevents static build-up without the need of a static wire.

Construction:
Tube - Co-extruded electrically-conductive PVC.
Reinforcement - Spiral polyester yarn.
Cover - Red weather resistant PVC.

Features:
- Continuous flexible conductive liner assures contact with fittings, without special preparation or clamping techniques.
- No wires to break when the hose is flexed.
- Distinctive color and branding allows easy identification.
- Silicone-free.
- One-piece lengths.
- Branded as "Conductive Air".
- Non-marking non-perforated cover.

Applications:
- In-plant air service where static dissipation is required.
- Air lines for painting equipment.
- Applications requiring the use of grounded pneumatic tools.

Electrical Data:
- Resistance is less than 100,000 ohms per foot when tested with an ohmmeter, with normal open-circuit output voltage of 500 VDC.
- **Note:** Conductivity is through the inner liner only. To dissipate static electricity, the hose must be fitted with a grounded conductive coupling. When measured through the wall of the hose, the product demonstrates electrical insulation.

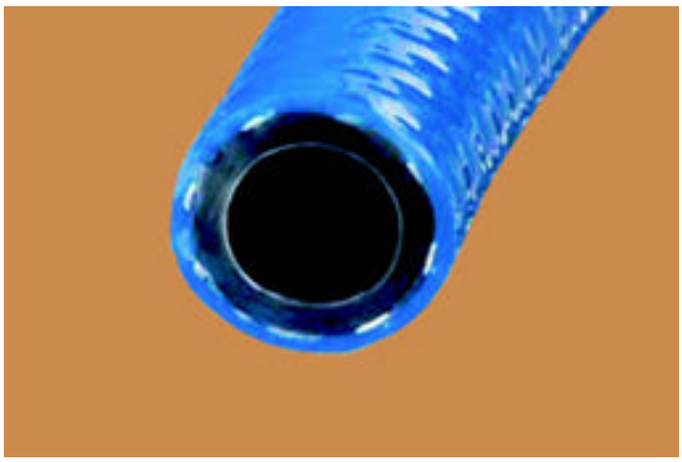
Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. WorkingPressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Coil	Reel	Coil	Reel
A4164	04	1/4	6.5	.500	12.7	300	180	500 ft.	100 ft.	44 lbs.	8 lbs.
A4164	06	3/8	9.5	.625	15.9	300	180	500 ft.	100 ft.	58 lbs.	11 lbs.
A4164	08	1/2	12.7	.813	20.7	300	180	500 ft.	100 ft.	93 lbs.	18 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Series A4176 - Conductive PVC Air Hose with Polyurethane Cover



Uniquely different PVC air hose that prevents static build-up without the need of a static wire.

Construction:
- Tube - Co-extruded electrically-conductive PVC.
- Reinforcement - Spiral polyester yarn.
- Cover - Blue polyurethane for superior abrasion resistance.

Features:
- Continuous flexible conductive liner assures contact with fittings, without special preparation or clamping techniques.
- No wires to break when the hose is flexed.
- Distinctive color and branding allows easy identification.
- Silicone-free.
- One-piece lengths.
- Branded as "Conductive Air".
- Excellent chemical and abrasion resistance afforded by polyurethane cover.
- Non-marking non-perforated cover.

Applications:
- In-plant air service where static dissipation is required.
- Air lines for painting equipment.
- Applications requiring the use of grounded pneumatic tools.

Electrical Data:
- Resistance is less than 100,000 ohms per foot when tested with an ohmmeter, with normal open-circuit output voltage of 500 VDC.
- **Note:** Conductivity is through the inner liner only. To dissipate static electricity, the hose must be fitted with a grounded conductive coupling. When measured through the wall of the hose, the product demonstrates electrical insulation.

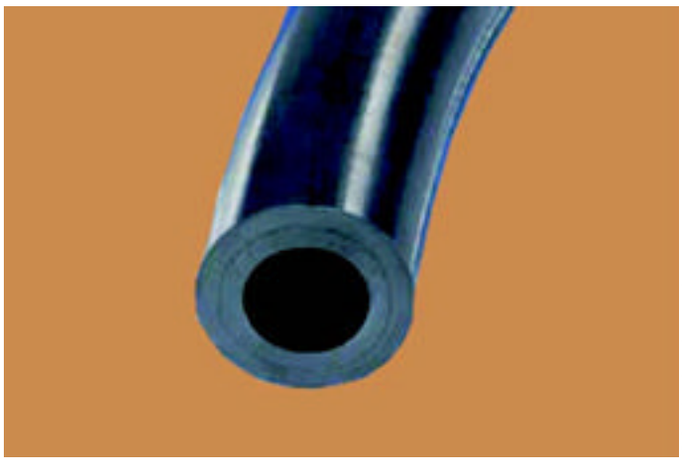
Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. WorkingPressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Coil	Reel	Coil	Reel
A4176	04	1/4	6.5	.500	12.7	300	180	500 ft.	100 ft.	44 lbs.	8 lbs.
A4176	06	3/8	9.5	.625	15.9	300	180	500 ft.	100 ft.	58 lbs.	11 lbs.
A4176	08	1/2	12.7	.813	20.7	300	180	500 ft.	100 ft.	93 lbs.	18 lbs.

† Note: working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NAUTILUS™ - Series K2W - Weighted Aeration Tubing



Made in America

A special weighted flexible PVC tubing that is ideal for trouble free delivery of air to pond aeration systems.

Construction:
Special black weighted PVC compound ensures durability, reliability and sinkability while in use.

Features:
- Remains flexible for use in a wide range of temperatures.
- Greatly reduces installation time, requires no maintenance following instructions.
- Naturally sinks without the use of additional weights or anchors.
- Available in 3/8", 1/2", 5/8, 3/4 and 1" ID sizes to fit most aeration systems.
- Packaged in coils or reels depending on application lengths required.

Applications:
- Pond and lake aeration.
- Water recirculation.
- Ice clearing.
- Wastewater lagoons.
- Commercial hatcheries.

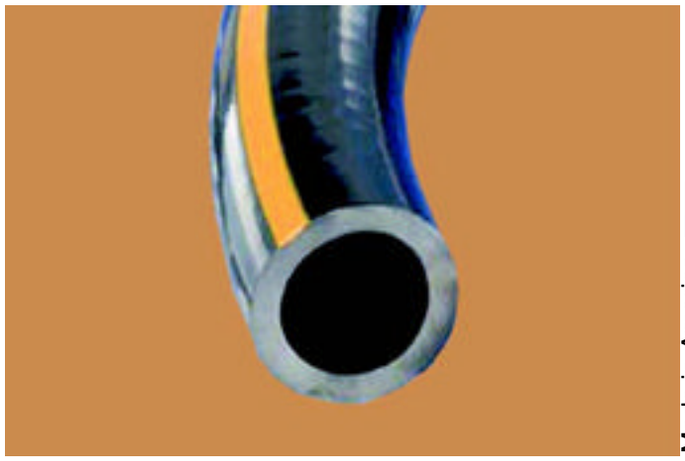
Service Temperature Range: 25°F (-4°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Standard Length	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)		
K2W	0611	3/8”	9.5	0.690	17.5	300 ft.	60 lbs.
K2W	0815	1/2”	12.7	0.960	24.4	200 ft.	80 lbs.
K2W	1017	5/8”	15.9	1.065	27.1	100 ft.	44 lbs.
K2W	1220	3/4”	19.1	1.275	32.4	100 ft.	63 lbs.
K2W	1627	1”	25.4	1.690	42.9	100 ft.	111 lbs.

Note: The Nautilus weighted Aeration Tubing id sizes and specification information listed above are based on average dimensions. Special id sizes and lengths are available on request. All products are priced on request. Check with your local sales office for additional details.

Series K7000 - Anti-Stat Blasting Tubing



Made in America

A specially formulated anti-static PVC tubing for the loading of ammonium nitrate/fuel oil blasting agents used in the mining and construction industries.

Construction:
Specially-formulated anti-static PVC compound.

Features:
- Conductivity - effectively limits build-up of static electricity; provides path for its safe dissipation to ground.
- Bleeds off static charges built up during pneumatic loading of Ammonium Nitrate/Fuel Oil mixtures.
- Sufficient resistance - guards blasting circuit against stray electrical currents.
- Wear resistance - smooth interior and exterior surfaces, combined with tough material formulation, provide good wear resistance.
- Self-extinguishing characteristics.
- Excellent flexibility - sufficiently flexible to handle easily, yet rigid enough to reach upwards into collars of steeply-inclined holes.
- Easily identifiable - co-extruded continuous orange stripe makes tubing visible in underground lighting.
- Embossed branding - provides lasting identification.
- Packaged for ease of handling and shipping.

Applications:
- Bulk unloading of ammonium nitrate/fuel oil blasting agents in small diameter holes.
- Successfully used for years with Orica's blast hole chargers, intermediate loaders and the Penberthy Anoloader.
- Mining and construction site blasting.

Service Temperature Range: - 30°F (-35°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Inside Diameter		Approx. O.D.		Max. W.P.		Approx. Wt. per 100 ft. (lbs)	Approx. Massper 100 m (kg.)	Lenghth/ Coil	
		Inches	mm	Inches	mm	PSI	MPa			ft.	m
K7000	10	5/8	16	55/64	22	120	0.83	17.5	25	200	61
K7000	12	3/4	19	1 1/16	27	120	0.83	28	40	200	61
K7000	16	1	25	1 21/64	34	120	0.83	38	55	300	91
K7000	20	1 1/4	32	1 5/8	41	120	0.83	55	78	100	30

NOTE: A new coil of tubing can have its pliancy restored by the application of heat before it is placed in service underground. This will facilitate handling and its attachment to pneumatic loading equipment. Steam or very hot water passed through the coiled tubing will remove the "set" from the new tubing and allow it to be straightened easily. The tubing should then be left to cool in the straight position.

ISO REGISTRATION / COMPLIANCE FOOTNOTES

Kuri Tec®

ISO 9001-2000 Registration

Kuri Tec® hose and tubing products are manufactured in our own plants, which are ISO 9001-2000 Registered facilities in Canada and the United States.
The ISO 9001 family of standards represents an international consensus on good management practices with the aim of ensuring that the organization can time and time again deliver the product or services that meet the customer's quality requirements.
ISO 9001 is a quality assurance model against which a plant's quality system can be audited. The standard sets out the requirements for an organization whose business processes range all the way from design and development to production.

Compliance Footnotes for
Kuri Tec® Catalog Products

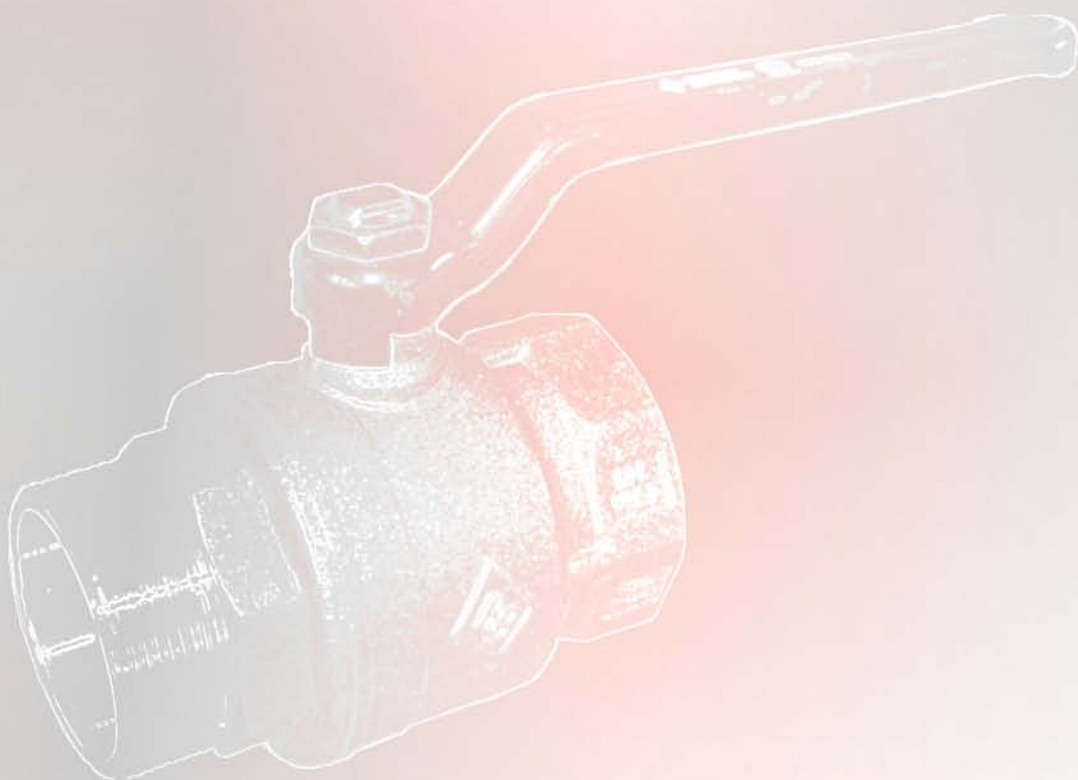
Many of the Kuri Tec hose & tubing products comply with one or more of the regulatory requirements pertaining to specific applications, such as:

(01) 3A- The PVC compound complies with the criteria in 3-A Sanitary Standards for Multiple-Use Plastic Materials, number 20.
(02) ASME A112.18.6 - When properly coupled with suitable fittings, this hose will pass the performance tests as outlined in the ASME standard A112.18.6 for Flexible Water Connectors.
(03) FDA - The PVC ingredients used are sanctioned for food contact use under CFR title 21, parts 170-199.
(04) FDA - Material complies with 21 CFR 177.1350.
(05) FDA - Material complies with 21 CFR 177.1520 (c) 3.1 (b).
(06) FDA - Type 1, Class A, Category 4 Polyethylene (complies with FDA21 CFR 177.1520 for Olefin Polymers (par (c) 3.2a).
(07) FDA - Material conforms to FDA CFR 21-177-2600.
(08) IAPMO certified under standard TS 25-2006 for use in recreational vehicle cold water systems with IAPMO T®-2008 listing printed on hose.
(09) NSF - The polyurethane material is listed under NSF Standard 61.
(10) NSF - This hose is certified under NSF/ANSI Standard 61: Drinking Water System Components -- Health Effects. This product has also been evaluated for use in Mechanical Plumbing Device applications with a maximum use restriction of 130 sq. in./L. This certification applies only to the hose without other components attached to the hose.
(11) NSF - The inner core tube PVC material is certified under NSF/ANSI standard 51: Food Equipment Materials and is also certified as Potable Water Material under NSF/ANSI Standard 61: Drinking Water System Components -- Health Effects for end use not to exceed a miximum of 128.9 square inches per liter.
(12) NSF - Hose is listed under Standard 51, Plastic Materials and Components used in Food Equipment for food contact up to 125°F., and under NSF-61 for transfer of drinking water up to a temperature of 87°F.
(13) NSF - This hose is certified under NSF/ANSI standard 51: Food Equipment Materials. The inner core tube PVC material is also certified as Potable Water Material under NSF/ANSI Standard 61: Drinking Water System Components -- Health Effects for end use not to exceed a maximum of 128.9 square inches per liter.
(14) NIOSH -When coupled with suitable fittings and apparatus, this air breathing hose will satisfy the NIOSH Air-Supply-Line requirements and tests of Type C Respirators as described in Table 8 to 42 CFR Part 84, subpart j including the test for permeation of hose by gasoline. NOTE: NIOSH only certifies complete breathing respirators and does not issue certification on individual components, such as hoses. All replacement hoses for NIOSH-certified apparatus must have prior NIOSH certification as a part of that unit.
(15) RoHS - The product complies with the requirements of the EU directive 2002/95/EC which is on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
(16) UL - The clear PVC plastic material is certified for Flame Class HB under the Plastics - Components category by UL with a minimum thickness of 0.8 mm.
(17) USDA - The PVC hose has been found chemically acceptable for use in slaughtering, processing, transporting, or storage areas in direct contact with meat or poultry food product prepared under Federal Inspection.
(18) USP - The PVC compound has been tested and meets the requirements of the USP guidelines, for Class VI Plastics.

See Kuri Tec products on our web site for more details.

mori s.p.a.

take care of your business

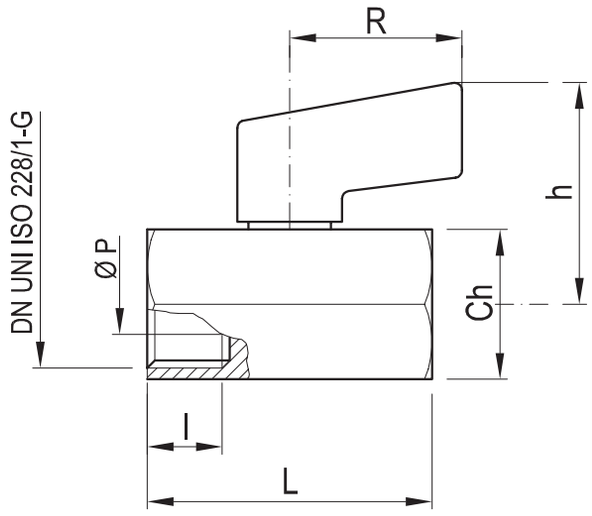


low pressure ball valves

robinets sphériques puor basse pression

valvole a sfera per bassa pressione

MINI-SFER Art. 3930
MINI-SFER Art. 3930
MINI-SFER Art. 3930



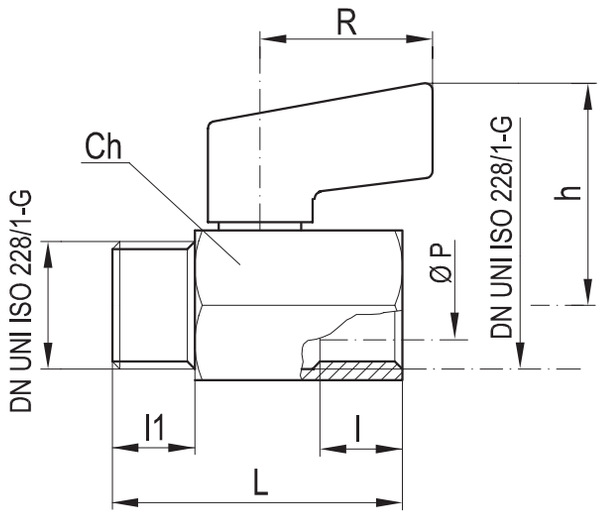
Ball valve, F/F threaded, chrome plated, with handle.
Robinet sphérique taraudée F/F, chromé, avec poignée.
Valvola a sfera, filettatura F/F, cromata, con maniglia.

	DN	ØP	l	L	h	Ch	R	Kv	PN	Kg
1/4”	8	8	10	41	36,5	21	27	4,3	10	0,11
3/8”	10	8	10	41	36,5	21	27	4,3	10	0,10
1/2”	15	10	11	46	37,7	25	27	2,7	10	0,14

Temperature range: -20°C +150°C
Limites de température: -20°C +150°C
Limiti di temperatura: -20°C +150°C

Low pressure ball valves
Robinets sphériques pour basse pression
Valvole a sfera per bassa pressione

MINI-SFER Art. 3931
MINI-SFER Art. 3931
MINI-SFER Art. 3931

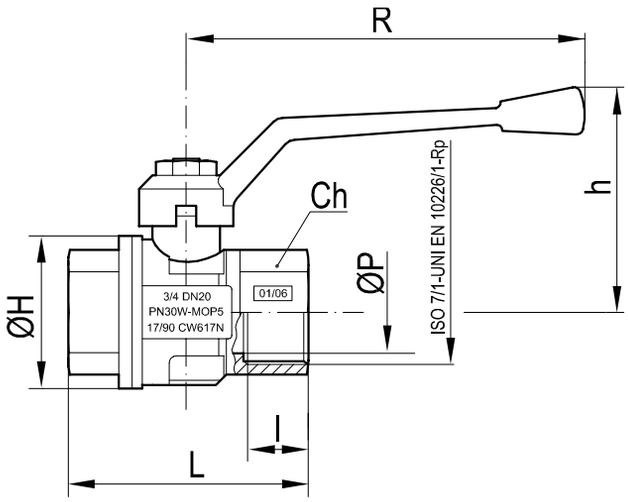


Ball valve, M/F theaded, chrome plated, with handle.
Robinet à boissearu sphérique taraudée M/F, chromé, avec poignée.
Valvola a sfera, filettatura M/F, cromata, con maniglia.

	DN	ØP	l	l1	L	h	R	Ch	Kv	PN	Kg
1/4”	8	8	10	10	41	36,5	27	21	4,3	10	0,10
3/8”	10	8	10	10	41	36,5	27	21	2,7	10	0,09
1/2”	15	10	11	11	46	37,7	27	25	5,4	10	0,14

Temperature range: -20°C +150°C
Limites de température: -20°C +150°C
Limiti di temperatura: -20°C +150°C

EURO-SFER Art. 1700
EURO-SFER Art. 1700
EURO-SFER Art. 1700



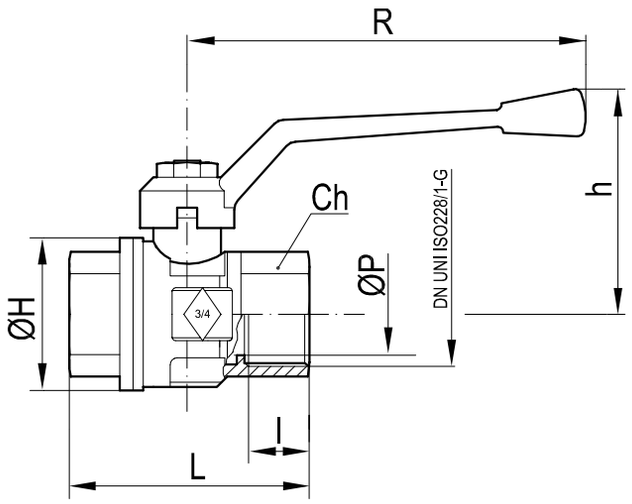
Full bore ball valve, F/F threaded, with aluminium handle.
Robinet sphérique à passage total, taraudée F/F, avec poignée en aluminium.
Valvola a sfera a passaggio totale, filettatura F/F, con leva in alluminio.

	DN	ØP	l	L	ØH	Ch	R	h	Kv	PN	Kg
1/4”	8	10	11	51,5	23	20	95	47,5	5,4	64	0,41
3/8”	10	10	11,4	51,5	23	20	95	47,5	6	64	0,13
1/2”	15	15	15	62	33	25	95	51	16,3	30	0,21
3/4”	20	20	16,3	69	39	31	110	62	29,5	30	0,33
1”	25	25	19,1	83	49	38	110	66	43	30	0,53
1”1/4	32	32	21,4	96	59	48	160	80	89	25	0,97
1”1/2	40	40	21,4	108	73	54	160	86	230	25	1,45
2”	50	50	25,7	126	86	67	170	105	265	25	1,98
2”1/2	65	65	30,2	152	111	90	205	129	540	25	3,71
3”	80	80	33,3	177	136	105	205	140	873	25	5,90
4”	100	100	39,3	214	166	130	260	160	1390	25	10,00

Temperature range: -20°C +160°C
Limites de température: -20°C +160°C
Limiti di temperatura: -20°C +160°C

Low pressure ball valves
Robinets sphériques pour basse pression
Valvole a sfera per bassa pressione

EXPO-SFER Art. 1800
EXPO-SFER Art. 1800
EXPO-SFER Art. 1800



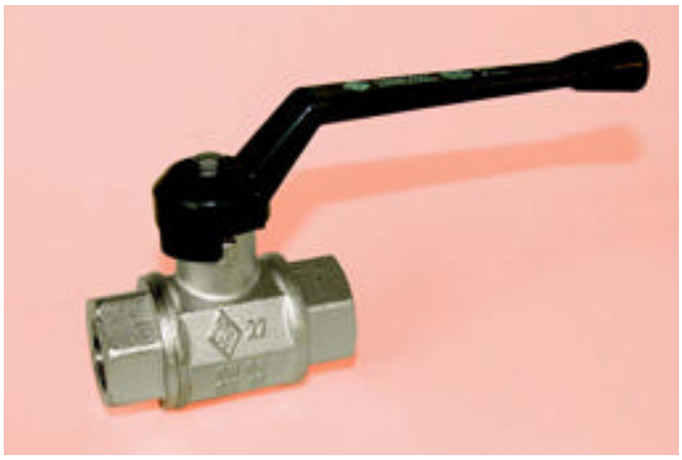
Full bore ball valve, F/F threaded, with aluminium handle.
Robinet sphérique à passage total, taraudée F/F, avec poignée an aluminium.
Valvola a sfera a passaggio totale, filettatura F/F, con leva in alluminio.

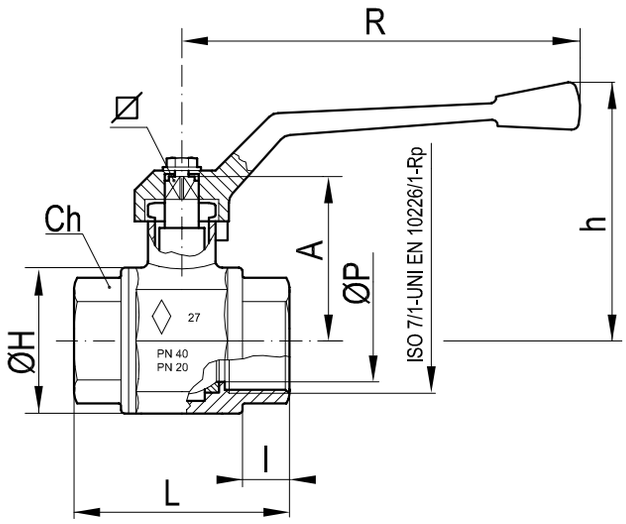
	DN	ØP	l	L	ØH	Ch	R	h	Kv	PN	Kg
1/4" *	8	10	11	51,5	23	20	95	47,5	5,4	64	0,14
3/8" *	10	10	11,4	51,5	23	20	95	47,5	6	64	0,13
1/2"	15	15	13,5	55	33	25	95	51	16,3	30	0,19
3/4"	20	20	12,5	57	39	31	110	62	29,5	30	0,30
1"	25	25	15	69,5	49	38	110	66	43	30	0,47
1"1/4	32	32	17	81,5	59	48	160	80	89	25	0,75
1"1/2	40	40	18	95	73	54	160	86	230	25	1,15
2"	50	50	22	113	86	67	170	105	265	25	1,78
2"1/2 *	65	65	30,2	152	111	90	205	129	540	25	3,71
3" *	80	80	33,3	177	136	105	205	140	873	25	5,90
4" *	100	100	39,3	214	166	130	260	160	1390	25	10,00

* Art. 1700

Temperature range: -20°C +160°C
Limites de température: -20°C +160°C
Limiti di temperatura: -20°C +160°C

VAL-SFER Art. 2700
VAL-SFER Art. 2700
VAL-SFER Art. 2700





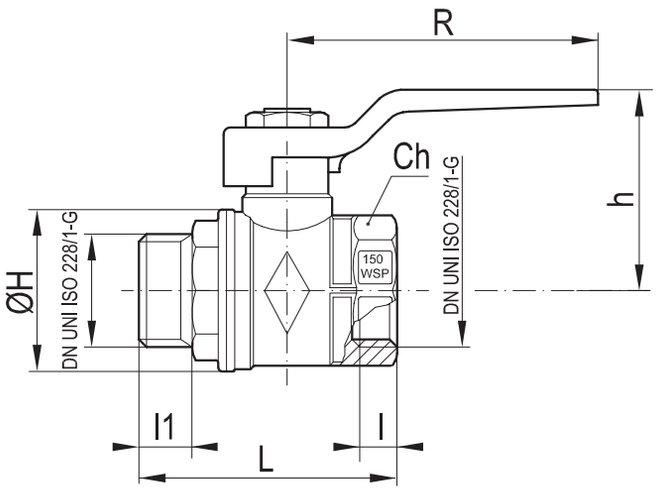
Full bore valve, F/F threaded, with alluminium handle.
Robinet sphérique à passage total, taraudée F/F, avec poignée en alluminium.
Valvola a sfera a passaggio totale, filettatura F/F, con leva in alluminio.

	DN	ØP	A	⍁	l	L	ØH	Ch	R	h	Kv	PN	Kg
1/4”	8	10	41,5	6,4	11	52	28	22	120	63	5,4	64	0,25
3/8”	10	10	41,5	6,4	11,4	52	28	22	120	63	6	64	0,24
1/2”	15	15	43,5	6,4	15	64	34,5	27	120	65	16,3	64	0,34
3/4”	20	20	53	8,2	16,3	79	43	32	134	81,5	29,5	40	0,56
1”	25	25	57	8,2	19,1	89	53	41	134	85,5	43	40	0,91
1”1/4	32	32	68	12	21,4	100	63	50	170	104	89	25	1,38
1”1/2	40	40	74,5	12	21,4	110	77	55	170	111	230	25	2,08
2”	50	50	91	14	25,7	130	93	70	205	127	265	25	3,08

Temperature range: -20°C +160°C
Limites de température: -20°C +160°C
Limiti di temperatura: -20°C +160°C

Low pressure ball valves
Robinets sphériques pour basse pression
Valvole a sfera per bassa pressione

UNI-SFER Art. 1501
UNI-SFER Art. 1501
UNI-SFER Art. 1501



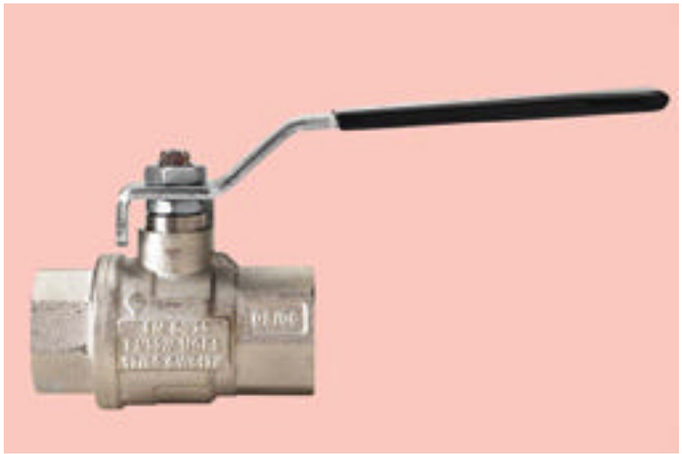
Full bore ball valve, M/F threaded, with pressed steel handle.
Robinet à boisseau sphérique à passage total taraudée M/F, avec poignée en acier embouti.
Valvola a sfera a passaggio totale, filettatura M/F, con leva in acciaio imbutito.

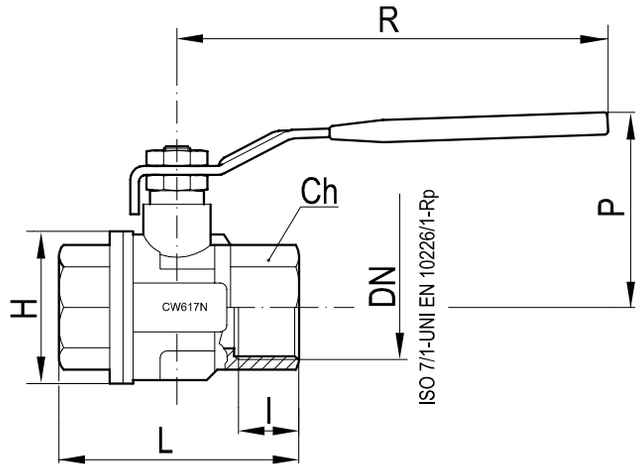
	DN	I	I1	L	ØH	Ch	R	H	Kv	PN	Kg
1/4" *	8	11	11	59	23	20	95	47,7	5,4	64	0,14
3/8" *	10	11,4	11,4	59,5	23	20	95	47,7	6	64	0,14
1/2"	15	12	13	59	30	25	84,5	41	16,3	30	0,18
3/4"	20	12	14	66,5	36	31	110	52	29,5	30	0,29
1"	25	14,5	15	77,7	43,5	38	110	55	43	30	0,43
1"1/4	32	16	17	91,2	53	48	140	70	89	25	0,78
1"1/2	40	18	18	104,7	65	54	140	75	230	25	1,08
2"	50	19	22	121	80	67	170	86,5	265	25	1,65

* Art. 1701

Temperature range: -20°C +130°C
Limites de température: -20°C +130°C
Limiti di temperatura: -20°C +130°C

INOX-VAL Art. 702000
INOX-VAL Art. 702000
INOX-VAL Art. 702000





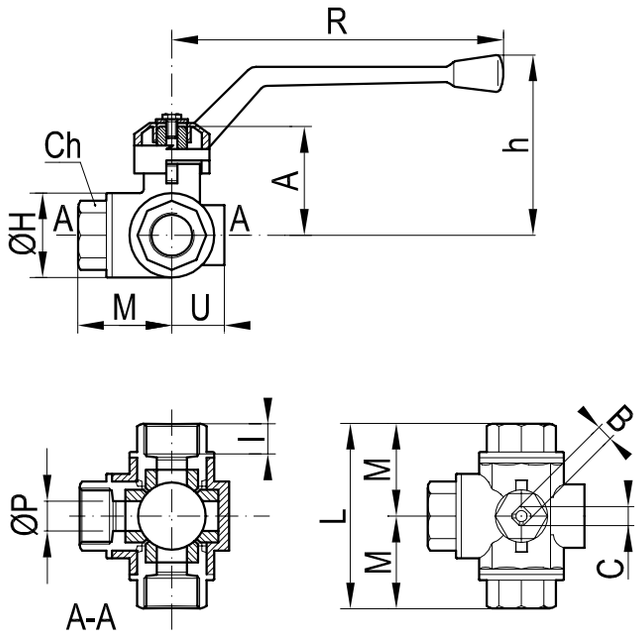
Full bore brass ball valve with stainless steel AISI 304 ball, F/F threading.
Robinet sphérique en laiton avec sphère en AISI 304, F/F, à passage intégral.
Valvola a sfera in ottone, con sfera in acciaio inox AISI 304, filettatura F/F, a passaggio totale.

	DN	l	L	H	Ch	R	P	Kv	PN	Kg
1/4”	8	11	51,5	23	20	96	42	5,4	64	0,15
3/8”	10	11,4	51,5	23	20	96	42	6	64	0,14
1/2”	15	15	62	33	25	96	46	16,3	30	0,22
3/4”	20	16,3	69	39	31	121	58	29,5	30	0,36
1”	25	19,1	83	49	38	121	62	43	30	0,55
1”1/4	32	21,4	96	59	48	151	76	89	25	0,99
1”1/2	40	21,4	108	73	54	151	82	230	25	1,49
2”	50	25,7	126	86	67	160	95	265	25	1,97
2”1/2	65	30,2	152	111	90	206	123	540	16	3,71
3”	80	33,3	177	136	105	206	133	873	16	5,90
4”	100	39,3	214	166	130	261	165	1390	16	10,00

Temperature range: -20°C +160°C
Limites de température: -20°C +160°C
Limiti di temperatura: -20°C +160°C

Vacuum: 10^{-3} torr.
Vide: 10^{-3} torr.
Vuoto: 10^{-3} torr.

COMBI-SFER Art. 3300 T
COMBI-SFER Art. 3300 T
COMBI-SFER Art. 3300 T

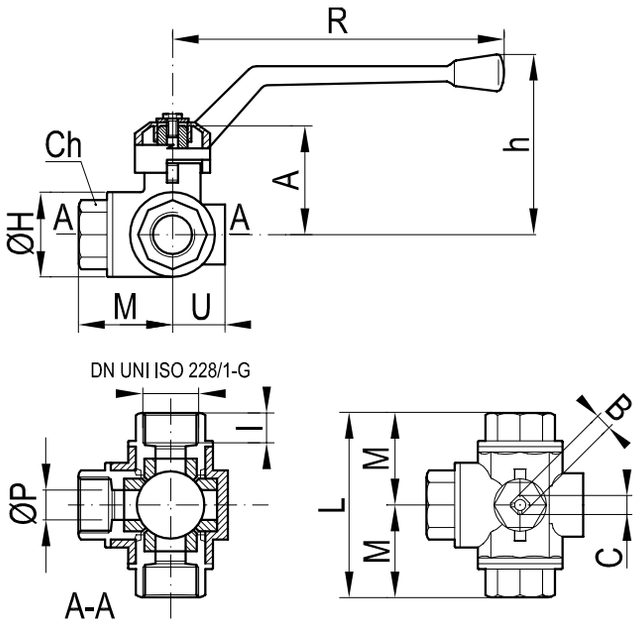


Three way ball valve, female threaded, T-port, with aluminium handle.
Robinet sphérique à trois voies, manœuvre à T, taraudée F/F/F, avec poignée en aluminium.
Valvola a sfera a tre vie, manovra a T, filettatura F/F/F, con leva in alluminio.

	DN	ØP	I	L	M	Ch	R	h	U	A	B	C	ØH	Kv	PN	kg
1/4”	8	11	12,5	80,5	40,2	22	134	77,5	23	50	8,2	11	39	2,8	40	0,77
3/8”	10	11	12,5	80,5	40,2	22	134	77,5	23	50	8,2	11	39	3	40	0,73
1/2”	15	11	14	80,5	40,2	31	134	77,5	23	50	8,2	11	39	3,6	40	0,76
3/4”	20	15	14	93,4	46,7	34	170	94	28	60	12	15,5	47	6	40	1,25
1”	25	20	17	107,3	53,6	41	205	107	31,5	72	14	18	54	11	25	1,91
1”1/4	32	25	19	118	59	50	205	111	35,5	77	14	18	66	16	16	2,61
1”1/2	40	32	23	141	70,5	57	205	117,5	43,5	83	14	18	80	25,5	16	4,05
2”	50	40	27	164	82	70	260	132	48,3	107	20	25	95	37,5	16	6,60

Temperature range: -20°C +160°C
Limites de température: -20°C +160°C
Limiti di temperatura: -20°C +160°C

COMBI-SFER Art. 3400 L
COMBI-SFER Art. 3400 L
COMBI-SFER Art. 3400 L



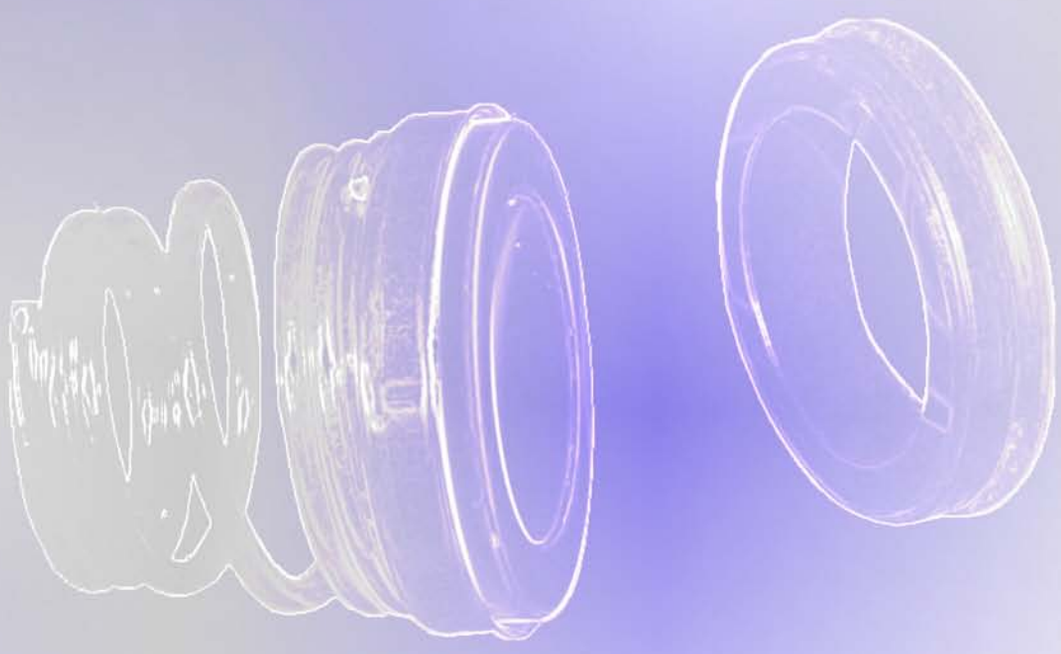
Three way ball valve, female threaded, L-port, with aluminium handle.
Robinet sphérique à trois voies, manœuvre à L, taraudée F/F/F, avec poignée en aluminium.
Valvola a sfera a tre vie, manovra a L, filettatura F/F/F, con leva in alluminio.

	DN	ØP	I	L	M	Ch	R	h	U	A	B	C	ØH	Kv	PN	Kg
1/4”	8	11	12,5	80,5	40,2	22	134	77,5	23	50	8,2	11	39	2,8	40	0,77
3/8”	10	11	12,5	80,5	40,2	22	134	77,5	23	50	8,2	11	39	3	40	0,73
1/2”	15	11	14	80,5	40,2	31	134	77,5	23	50	8,2	11	39	3,6	40	0,76
3/4”	20	15	14	93,4	46,7	34	170	94	28	60	12	15,5	47	6	40	1,25
1”	25	20	17	107,3	53,6	41	205	107	31,5	72	14	18	54	11	25	1,91
1”1/4	32	25	19	118	59	50	205	111	35,5	77	14	18	66	16	16	2,61
1”1/2	40	32	23	141	70,5	57	205	117,5	43,5	83	14	18	80	25,5	16	4,05
2”	50	40	27	164	82	70	260	132	48,3	107	20	25	95	37,5	16	6,60

Temperature range: -20°C +160°C
Limites de température: -20°C +160°C
Limiti di temperatura: -20°C +160°C

mori s.p.a.

take care of your business



mechanical seals for liquids

joints mécaniques puor liquides

tenute meccaniche per liquidi

ROTEN 2 Seals – code X6GV6

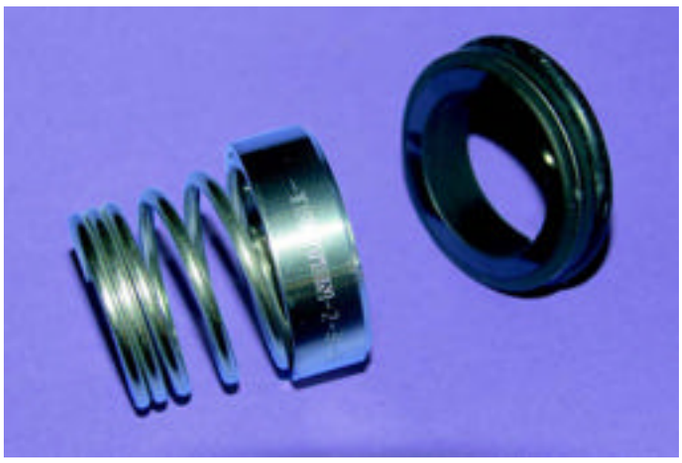
Joints ROTEN 2 cod. X6GV6

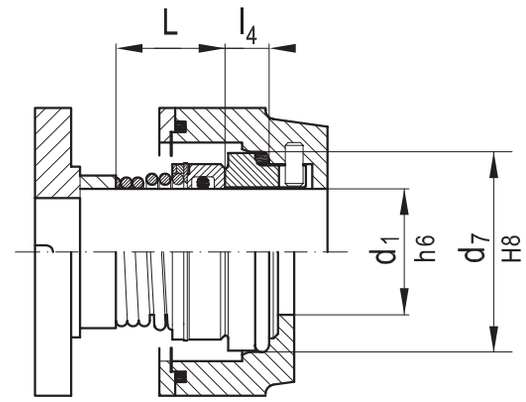
Tenute ROTEN 2 cod. X6GV6

For clean water with temperature ranges -30°C +90°C

Pour eau propre avec température limite de -30°C à +90°C

Per acqua pulita con temperatura limite -30° +90°





Seal with steel-carbon rings. Usually provided with right spring, left spring available upon request. To order, add SX after the code, ex. 0101012SX

Joints avec anneaux en acier-carbone normalement fourni avec ressort droit, sur demande, disponible avec ressort gauche. Pour effectuer la commande, ajouter SX après le code, ex 0101012SX.

Tenuta con anelli in acciaio carbone normalmente fornita con molla dx, a richiesta disponibile con molla sx. Per effettuare l'ordine aggiungere SX dopo il codice, es. 0101012SX.

d1 **Ø Shaft** *Ø Arbre* Ø Albero	**d7**	**L**	**l4**	**Complete code** *Code complet* Cod. completo	**Counter-face code** *Code contre face* Cod. controfaccia
6	13,1	15	4,5	0101006	0151006
7	17,1	15	5,5	0101007	0151007
8	17,1	15	5,5	0101008	0151008
9	17,1	15	5,5	0101009	0151009
10	18,1	15	5,5	0101010	0151010
11	20,6	18	5,5	0101011	0151011
12	20,6	18	5,5	0101012	0151012
13	23,1	22	6	0101013	0151013
14	23,1	22	6	0101014	0151014
15	26,9	22	7	0101015	0151015
16	26,9	23	7	0101016	0151016
17	26,9	23	7	0101017	0151017
18	30,9	24	8	0101018	0151018
19	30,9	25	8	0101019	0151019
20	30,9	25	8	0101020	0151020
21	35,4	25	8	0101021	0151021
22	35,4	25	8	0101022	0151022
23	35,4	27	8	0101023	0151023
24	35,4	27	8	0101024	0151024

Mechanical seals for liquids
Joints mécaniques pour liquides
Tenute meccaniche per liquidi

d1 **Ø Shaft** *Ø Arbre* Ø Albero	**d7**	**L**	**l4**	**Complete code** *Code complet* Cod. completo	**Counter-face code** *Code contre face* Cod. controfaccia
24,5	35,4	27	8	0101245	0151245
25	38,2	27	8,5	0101025	0151025
26	38,2	27	8,5	0101026	0151026
27	38,2	27	8,5	0101027	0151027
28	43,3	29	9	0101028	0151028
29	43,3	30	9	0101029	0151029
30	43,3	30	9	0101030	0151030
31	43,3	30	9	0101031	0151031
32	43,3	30	9	0101032	0151032
33	53,5	39	11,5	0101033	0151033
34	53,5	39	11,5	0101034	0151034
35	53,5	39	11,5	0101035	0151035
36	53,5	39	11,5	0101036	0151036
37	53,5	39	11,5	0101037	0151037
38	60,5	39	11,5	0101038	0151038
39	60,5	39	11,5	0101039	0151039
40	60,5	39	11,5	0101040	0151040
41	60,5	39	11,5	0101041	0151041
42	60,5	39	11,5	0101042	0151042
43	60,5	39	11,5	0101043	0151043
44	65,5	41	11,5	0101044	0151044
45	65,5	41	11,5	0101045	0151045
46	65,5	41	11,5	0101046	0151046
47	65,5	41	11,5	0101047	0151047
48	65,5	41	11,5	0101048	0151048
49	65,5	41	11,5	0101049	0151049
50	72,5	45	11,5	0101050	0151050
55	72,5	47	11,5	0101055	0151055
60	79,3	49	11,5	0101060	0151060
65	84,5	51	11,5	0101065	0151065
70	89,5	51	11,5	0101070	0151070
75	94,5	57	11,5	0101075	0151075
80	99,5	59	11,5	0101080	0151080
85	105,5	59	13,5	0101085	0151085
90	111,5	62	13,5	0101090	0151090
95	116,5	62	13,5	0101095	0151095
100	119,5	75	13,5	0101100	0151100

Note: seals can be provided with EPDM or VITON gaskets separately.
L (Working Length) values refer to seals in working position (pressed spring).

Les joints peuvent être fournis avec des joints en EPDM ou VITON séparément.
La mesure L (longueur de Travail) est sous-entendue avec le joint en position de travail (ressort pressé).

N.B.: Le tenute possono essere fornite con guarnizioni in EPDM o VITON separatamente.
La quota L (lunghezza di Lavoro) si intende con la tenuta in posizione di lavoro (molla premuta).

ROTEN 3 Seals – code X6H62V6

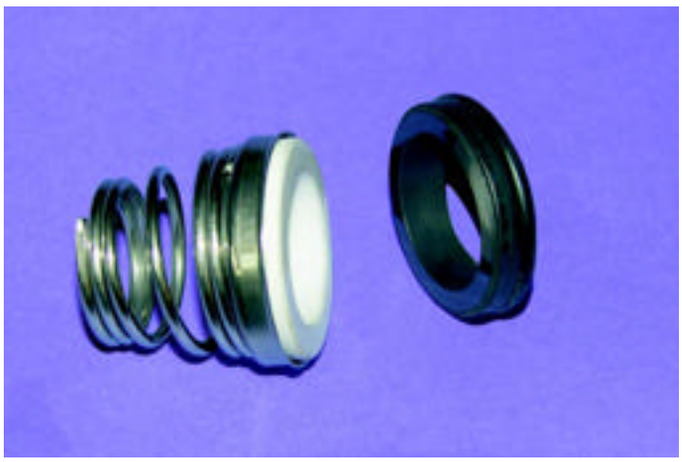
Joints ROTEN 3 cod. X6H62V6

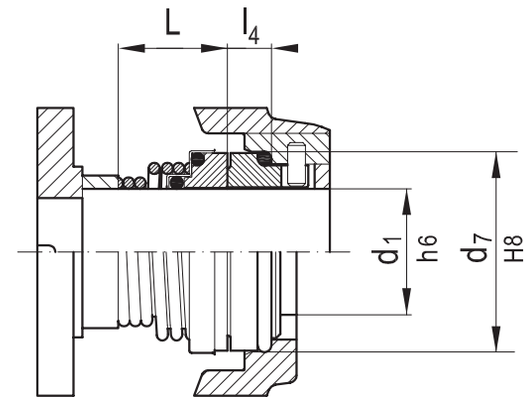
Tenute ROTEN 3 cod. X6H62V6

In alumina for clean water with temperature ranges -30°C +90°C

En alumine pour eau propre avec températures limites de -30°C à +90°C

In allumina per acqua pulita con temperature limite -30° +90°





Seal with alumina-carbon rings, usually provided with right spring, left spring available upon request. To order, add SX after the code, ex. 0105112SX

Joint avec anneaux en alumine - carbone normalement fourni avec ressort droit, sur demande, disponible avec ressort gauche. Pour effectuer la commande, ajouter SX après le code, ex 0105112SX.

Tenuta con anelli in allumina-carbone normalmente fornita con molla dx, a richiesta disponibile con molla sx. Per effettuare l'ordine aggiungere SX dopo il codice, es. 0105112SX.

d1 **Ø Shaft** *Ø Arbre* Ø Albero	**d7**	**L**	**l4**	**Complete code** *Code complet* Cod. completo	**Counter-face code** *Code contre face* Cod. controfaccia
10	18,1	15	5,5	0105110	0151010
11	20,6	18	5,5	0105111	0151011
12	20,6	18	5,5	0105112	0151012
13	23,1	22	6	0105113	0151013
14	23,1	22	6	0105114	0151014
14	23,1	16	6	0105114L	0151014
15	26,9	22	7	0105115	0151015
16	26,9	23	7	0105116	0151016
17	26,9	23	7	0105117	0151017
18	30,9	24	8	0105118	0151018
19	30,9	25	8	0105119	0151019
20	30,9	25	8	0105120	0151020
21	35,4	25	8	0105121	0151021
22	35,4	25	8	0105122	0151022
23	35,4	27	8	0105123	0151023
24	35,4	27	8	0105124	0151024
25	38,2	27	8,5	0105125	0151025
28	43,3	29	9	0105128	0151028
29	43,3	30	9	0105129	0151029
30	43,3	30	9	0105130	0151030

d1 **Ø Shaft** *Ø Arbre* Ø Albero	**d7**	**L**	**l4**	**Complete code** *Code complet* Cod. completo	**Counter-face code** *Code contre face* Cod. controfaccia
32	43,3	30	9	0105132	0151032
35	53,5	39	11,5	0105135	0151035
38	60,5	39	11,5	0105138	0151038
40	60,5	39	11,5	0105140	0151040

The usage of Alumina, instead of Steatite, remarkably broadens the application field of ROTEN 3 seals, making them suitable for heavy duty applications. Alumina resist corrosion, erosion and abrasion.

Note: Type 3 seals can be provided with EPDM or VITON gaskets separately.
L (Working Length) values refer to seals in working position (pressed spring).

L'utilisation d'alumine à la place de la stéatite élargit énormément le champ d'utilisation du joint ROTEN 3 en le rendant également adapté pour des utilisations plus lourdes. L'alumine est en effet résistant à la corrosion, à l'érosion et à l'abrasion.

N.B.: Les joints type 3 peuvent être fournis avec des joints en EPDM ou VITON séparément.
La mesure L (longueur de Travail) est sous-entendue avec le joint en position de travail (ressort pressé).

L'uso dell'allumina in sostituzione della steatite allarga enormemente il campo di impiego della tenuta ROTEN 3 rendendola adatta anche per impieghi più gravosi. L'allumina è infatti resistente alla corrosione, all'erosione e abrasione.

N.B.: Le tenute tipo 3 possono essere fornite con set di guarnizioni in EPDM o VITON separatamente.
La quota L (lunghezza di Lavoro) si intende con la tenuta in posizione di lavoro (molla premuta).

ROTEN 3 Seals – Code XYXY2VY

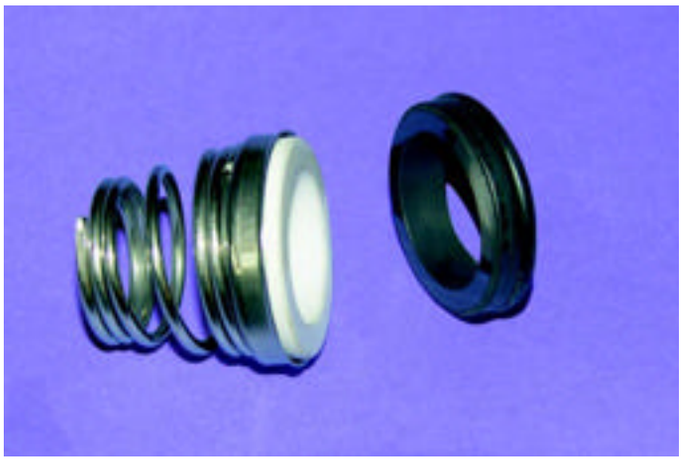
Joints ROTEN 3 cod. XYXY2VY

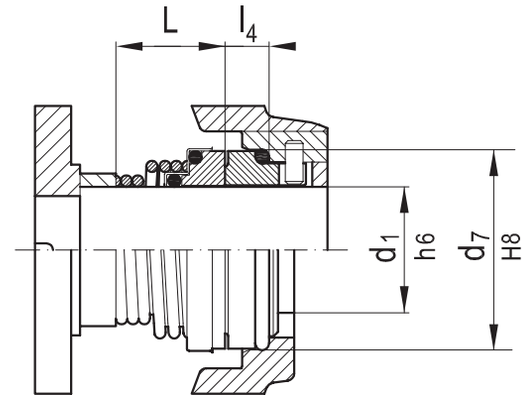
Tenute ROTEN 3 cod. XYXY2VY

VITON gaskets and alumina rings for chemical and oil products.

Joints VITON et anneaux en alumine pour produits chimiques et pétroliers propres.

Guanizioni VITON e anelli in allumina per prodotti chimici e petroliferi puliti.





Seal with alumina-carbon rings (5-6) and viton gaskets, usually provided with right spring, spring available upon request.
To order, add SX after the code, ex. 0105212SX (+5% charge on list price).

Joints avec anneaux (5-6) en alumine-carbone et joints en viton normalement fourni avec ressort droit, sur demande, disponible avec ressort gauche. Pour effectuer la commande, ajouter SX après le code, ex. 0105212SX (majoration de 5% sur le prix de catalogue).

Tenuta con anelli (5-6) in allumina-carbone e guarnizioni in viton normalmente fornita con molla dx, a richiesta disponibile con molla sx. Per effettuare l'ordine aggiungere SX dopo il codice, es. 0105212SX (maggiorazione +5% sul prezzo di listino).

d1 **Ø Shaft** *Ø Arbre* Ø Albero	**d7**	**L**	**l4**	**Code** *Code* Cod.
12	20,6	18	5,5	0105212
14	23,1	22	6	0105214
15	26,9	22	7	0105215
16	26,9	23	7	0105216
18	30,9	24	8	0105218
20	30,9	25	8	0105220
22	35,4	25	8	0105222
24	35,4	27	8	0105224
25	38,2	27	8,5	0105225
28	43,3	29	9	0105228
30	43,3	30	9	0105230
32	43,3	30	9	0105232
35	53,5	39	11,5	0105235
38	60,5	39	11,5	0105238
40	60,5	39	11,5	0105240

*** until stockout**
** jusqu'à épuisement.*
* ad esaurimento

The usage of Alumina, instead of Steatite, remarkably broadens the application field of ROTEN 3 seals, making them suitable for heavy duty applications.

Packages: single items

L (Working Length) values refer to seals in working position (pressed spring).

L'utilisation d'alumine à la place de la stéatite élargit énormément le champ d'utilisation du joint ROTEN 3 en le rendant également adapté pour des utilisations plus lourdes.

Confections: dimensions uniques

La mesure L (longueur de Travail) est sous-entendue avec le joint en position de travail (ressort pressé).

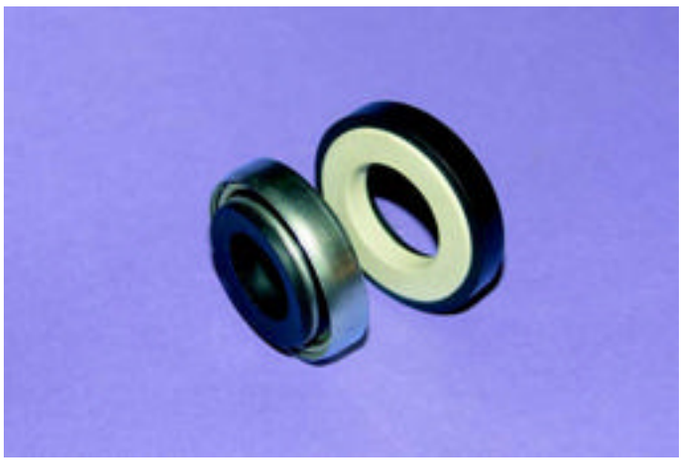
L'uso dell'allumina in sostituzione della steatite allarga enormemente il campo di impiego della tenuta ROTEN 3 rendendola adatta anche per impieghi puù gravosi.

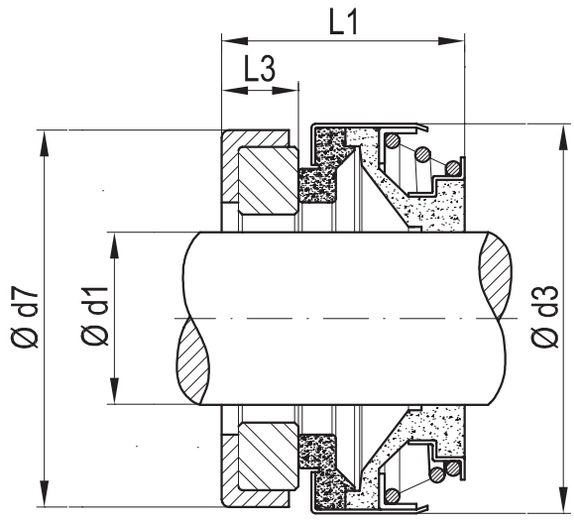
Confezioni: pezzi singoli

La quota L (Lunghezza di Lavoro) si intende con la tenuta in posizione di lavoro (molla premuta).

TYPE A LIQUIBLOK® Seals
Joints LIQUIBLOK® TYPE A
Tenute LIQUIBLOK® TIPO A

In graphite for clean-water electric pumps
En graphite pour électropompes pour eaux propres
In grafite per elettropompe per acqua pulita





Seal with carbon-steatite-nbr rings.
These low-cost seals are widely used for clean-water pumps and circulators.
Independent rotation direction

Joint avec anneau en carbone - stéatite - nbr
Joints à grande utilisation et à bas coût trouvant une vaste utilisation dans les pompes et dans les circulateurs où coule de l'eau propre.
Sens de rotation indépendant.

Tenuta con anelli in carbone - steatite - nbr
Guarnizioni di largo uso e basso costo trovano larghissimo impiago nelle pompe e nei circolatori dove scorre acqua pulita.
Senso di rotazione indipendente.

SEAL *JOINT* TENUTA				**COUNTER-FACE** *CONTRE-FACE* CONTROFACCIA			
d1 **Ø Shaft** *Ø Arbre* Ø Albero	**d3** **Ø Out.** *Ø Ext.* Ø Est.	**L** **Work lenght** *Long.travail* Lun.lav.	**N°** **Catalogue*** *Catalogue** Catalogo*	**Ø Bore** *ø Trou* ø Foro	**d7** **Ø Out.** *Ø Ext.* Ø Est.	**L3** **Ø Out** *Ø Ext.* Ø Est.	**N°** **Catalogue*** *Catalogue** Catalogo*
6	18	8	0201002	8	22	4	0251000
8	24	11	0201001	11	26	8	0251002
10	24	11	0201003	11	26	8	0251002
11	24	11	0201005	13	26	8	0251004
12	24	11	0201006	13	26	8	0251004
12	24	13	0201007	13	26	8	0251004
12	32	13	0201009	16	35	8	0251006
13	24	13	0201011	14	26	8	0251008
14*	28	13	0201012*	15	26	7,5	0251024*
14	32	13	0201013	16	35	8	0251006
14	35	13	0201015	18	38	8	0251010
15	32	13	0201017	16	35	8	0251006

Mechanical seals for liquids

Joints mécaniques pour liquides

Tenute meccaniche per liquidi

SEAL *JOINT* TENUTA				COUNTER-FACE *CONTRE-FACE* CONTROFACCIA			
d1 **Ø Shaft** *Ø Arbre* Ø Albero	**d3** **Ø Out.** *Ø Ext.* Ø Est.	**L** **Work lenght** *Long.travail* Lun.lav.	**N°** **Catalogue*** *Catalogue** Catalogo*	**Ø Bore** *ø Trou* ø Foro	**d7** **Ø Out.** *Ø Ext.* Ø Est.	**L3** **Ø Out** *Ø Ext.* Ø Est.	**N°** **Catalogue*** *Catalogue** Catalogo*
15	35	13	0201019	18	38	8	0251010
16	32	23	0201021	18	38	8	0251010
16	39	23	0201023	21	42	8	0251012
17	39	23	0201025	21	42	8	0251012
18	39	23	0201027	21	42	8	0251012
19	39	23	0201029	21	42	8	0251012
20	39	23	0201031	21	42	8	0251012
20	42	23	0201033	23	45	10	0251014
22	42	23	0201035	23	45	10	0251014
23	47	14	0201037	27	50	10	0251016
24	47	14	0201039	27	50	10	0251016
25	47	14	0201041	27	50	10	0251016
28	54	15	0201043	34	57	10	0251018
30	54	15	0201045	34	57	10	0251018
32	54	15	0201047	34	57	10	0251018
35	60	16	0201049	37	63	10	0251020
38	65	17	0201051	42	68	12	0251022
40	65	17	0201053	42	68	12	0251022
45	70	20	0201055	47	73	12	-
50	85	20	0201057	52	88	15	-
60	105	30	0201059	67	110	15	-
65	105	30	0201061	67	110	15	-
70	105	32	0201063	72	110	15	-

mori s.p.a.

take care of your business

rubber sheets

plaques en caoutchouc

lastre in gomma

Rubber sheets and mats
Plaques et tapis en caoutchouc
Lastre e tappeti in gomma

SHEETS MANUFACTURING TOLERANCE / *TOLERANCES PLAQUES* / TOLLERANZE LASTRE:

Height / *Hauteur* / Altezza:	1.200 - 1.500mm	± 25 mm
Length / *Longueur* / Lunghezza:	5.000 mm	-0 / + 300 mm
	10.000 mm	-0 / + 400 mm
Thickness / *Épaisseurs* / Spessori:	1 - 1,5	± 0,2 mm
	2 - 2,5 - 3	± 0,3 mm
	4 - 5 - 6	± 0,5 mm
	8	± 0,8 mm
	10	± 1,0 mm
	12	± 1,2 mm
	15 and more / *15 et plus* / 15 e oltre	± 1,5 mm

ELASTOMERS EMPLOYED IN THE MANUFACTURING OF RUBBER SHEETS
ELASTOMERS UTILISES DANS LA PRODUCTION DES PLAQUES EN CAOUTCHOUC
ELASTOMERI UTILIZZATI NELLA PRODUZIONE DELLE LASTRE IN GOMMA

Definitions complying with ASTM D 1418/94 *Définitions selon ASTM D 1418/94* Definizioni secondo ASTM D 1418/94		**General features** *Propriétés générales* Proprietà generali
SBR	**Styrene Butadiene** *Styrène Butadiène* Stirene Butadiene	**Good physical features, good abrasion resistance, poor oil-products resistance.** *Bonnes propriétés physiques, bonne résistance à l'abrasion, faible résistance aux produits pétroliers.* Buone proprietà fisiche, buona resistenza all'abrasione, scarsa resistenza ai prodotti petroliferi.
NBR	**Acrylonitrile Butadiene** *Acrylonitrile Butadiène* Acrilonitrile Butadiene	**Excellent oil resistance, good aromatic and aliphatic solvents resistance, good physical features.** *Excellente résistance aux huiles, bonne résistance aux solvants aromatiques et aliphatiques, bonnes propriétés physiques.* Eccellente resistenza agli olii, buona resistenza ai solventi aromatici e alifatici, buone proprietà fisiche.
CR	**Chloroprene** *Chloroprène* Cloroprene	**Excellent weather resistance, good oil resistance, good heat resistance, fire retarding properties.** *Excellente résistance aux agents atmosphériques, bonne résistance aux huiles, bonnes propriétés physiques, bonne résistance à la chaleur, retardant la propagation de la flamme.* Eccellente resistenza agli agenti atmosferici, buona resistenza agli olii, buone proprietà fisiche, buona resistenza al calore, ritardante la propagazione della fiamma.
NR	**Natural Isoprene** *Isoprène Naturel* Isoprene Naturale	**Excellent physical features, excellent abrasion resistance, good acid and alkali resistance, does not resist mineral oils.** *Excellentes propriétés physiques, très bonne résistance à l'abrasion, bonne résistance aux acides et aux alcalis, ne résiste pas aux huiles minérales.* Eccellenti proprietà fisiche, ottima resistenza all'abrasione, buona resistenza agli acidi ed agli alcali, non resiste agli olii minerali.
EPDM	**Ethylene Propylene Diene Terpolymer** *Éthylène Propylène Diène Terpolymère* Etilene Propilene Diene Terpolimero	**Excellent ozone and oxygen resistance, good resistance to many chemicals and water vapour, good hydrocarbon resistance, excellent ageing resistance.** *Excellente résistance à l'ozone et à l'oxygène, bonne résistance à de nombreux produits chimiques et à la vapeur d'eau, faible résistance aux hydrocarbures, très bonne résistance au vieillissement.* Eccellente resistenza all'ozono ed all'ossigeno, buona resistenza a molti prodotti chimici ed al vapore acqueo, scarsa resistenza agli idrocarburi, ottima resistenza all'invecchiamento.
VMQ	**Silicone Rubber** *Caoutchouc siliconé* Gomma Siliconica	**Excellent resistance to high and low temperature, weather and ozone .** *Excellente résistance aux hautes et basses températures, aux agents atmosphériques et à l'ozone.* Eccellente resistenza alle alte e basse temperature, agli agenti atmosferici ed all'ozono.

Rubberten L/L
Rubberten L/L
Rubberten L/L

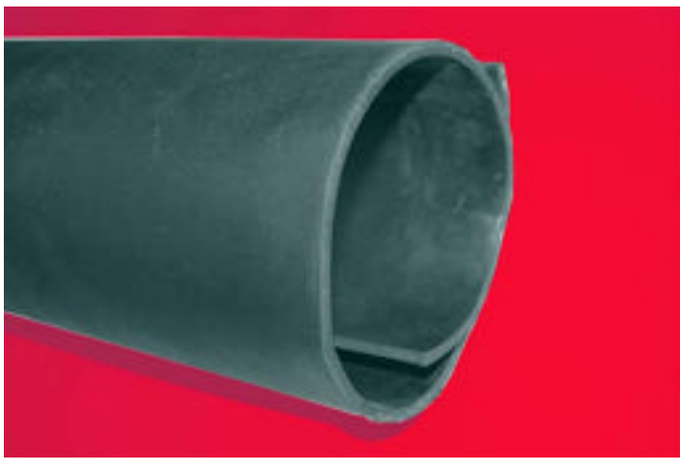
Only SBR rubber, suitable for generic applications when there is no need for specific physical-mechanical features or heat or chemical resistance.
Temperature range: -20 °C +70 °C

Seulement caoutchouc SBR adapté à des utilisations génériques, à utiliser quand des caractéristiques particulières physiques et mécaniques ou de résistance à la chaleur et aux agents chimiques, sont requises.
Excursion thermique: -20°C +70°C

Solo gomma SBR adatta per impieghi generici, da usare quando non siano richieste particolari caratteristiche fisico-meccaniche o di resistenza al calore o ad agenti chimici.
Escursione termica: -20 °C +70 °C

Mass *Masse* Massa g/cm³±0,03	**Hardness** *Dureté* Durezza Sh. A±5	**Thickness** *Épaisseur* Spessore mm	**Size** *Dimensions* Pezzatura m LxH
1,50	70	1 - 1,5	10 x 1,20
		2 - 3 - 4	10 x 1,20
1,50	70	1 - 1,5	10 x 1,50
		2 - 3 - 4 - 5 - 6 - 8 - 10	10 x 1,50
		10 - 12 - 15 - 20	5 x 1,50

Rubbertex 1 L/L
Rubbertex 1 L/L
Rubbertex 1 L/L



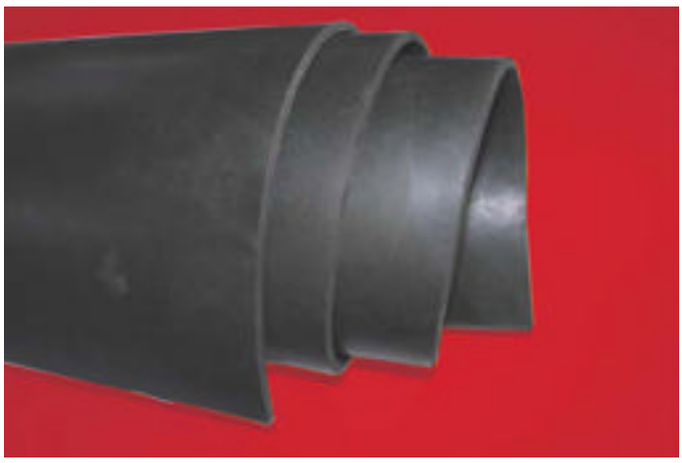
SBR rubberized fabric suitable for the same applications as Rubberten but with a greater tear resistance due to the presence of a fabric insert.
Temperature range: -20 °C +70 °C

Caoutchouc toilé SBR adapté pour le même champ d'applications indiquées pour la Rubberten avec l'avantage d'une résistance supérieure à la lacération grâce à la présence d'une insertion textile.
Excursion thermique: -20°C +70°C

Gomma telata SBR adatta per lo stesso campo di applicazioni indicate per la Rubberten con il vantaggio di una maggiore resistenza alla lacerazione per la presenza di un inserto tessile.
Escursione termica: -20 °C +70 °C

Mass *Masse* Massa g/cm³±0,03	**Hardness** *Dureté* Durezza Sh. A±5	**Thickness** *Épaisseur* Spessore mm	**Size** *Dimensions* Pezzatura m LxH
1,50	70	1,5	10 x 1,20
		2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10	10 x 1,20

Rubberbenz
Rubberbenz
Rubberbenz



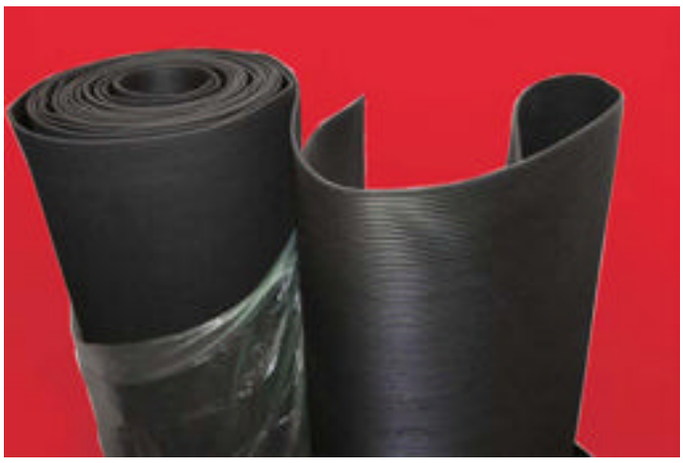
Gasoline-resistant NBR rubber, suitable in presence of oils and fuels.
Temperature range: -15 °C +100 °C

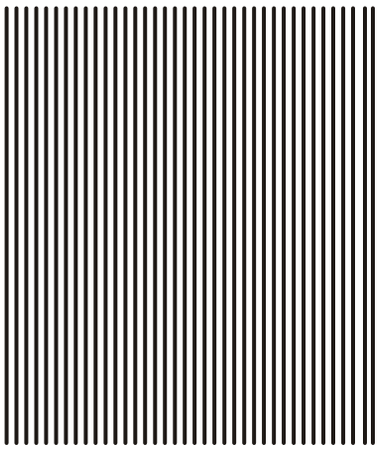
Caoutchouc anti-essence NBR adapté pour des utilisations en présence d'huiles et de carburants.
Excursion thermique: -15°C +100°C

Gomma antibenzina NBR adatta per impieghi in presenza di olii e carburanti.
Escursione termica: -15 °C +100 °C

Mass *Masse* Massa g/cm³±0,03	**Hardness** *Dureté* Durezza Sh. A±5	**Thickness** *Épaisseur* Spessore mm	**Size** *Dimensions* Pezzatura m LxH
1,40	70	1,5	10 x 1,50
		2 - 3 - 4 - 5 6 - 8 - 10	10 x 1.50 5 x 1,50

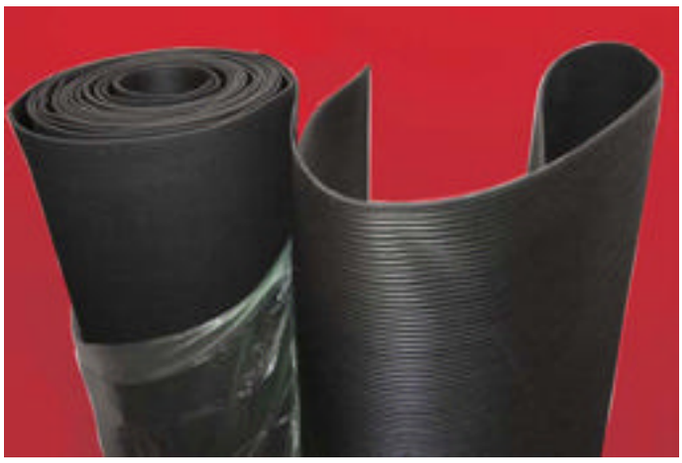
Fine ribbed mat
Tapis mille rayures
Tappeto millerighe

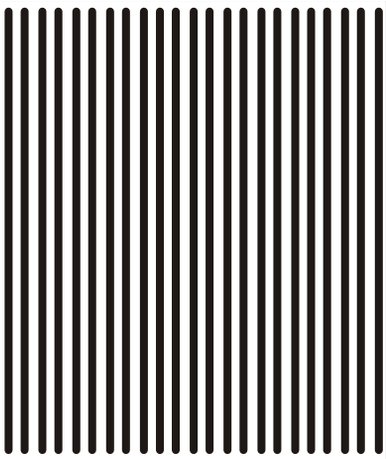


Colour *Coleur* Colore	**Shape** *Dessin* Disegno	**Thickness mm** *Épaisseur* Spessore mm	**Size mt** *Dimensions* Pezzatura m	**Mass** *Masse* Massa Kg/m^2
Black *Noir* Nero		3	10 x 1,20	3,3

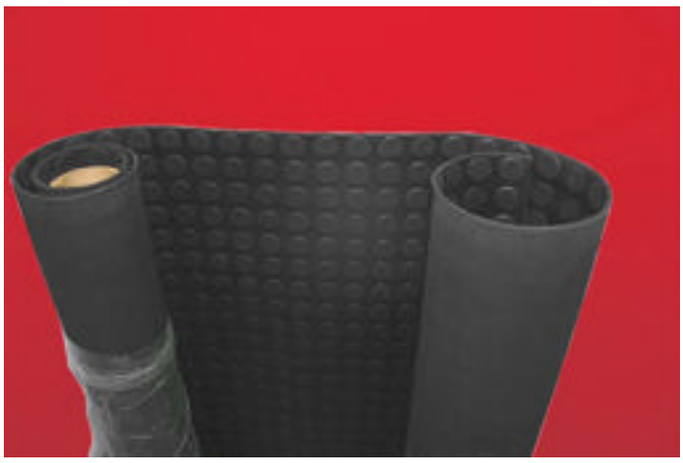
Rubber sheets
Plaques en caoutchouc
Lastre in gomma

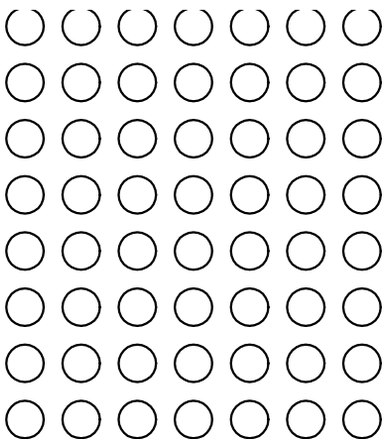
Ribbed mat
Tapis cent rayures
Tappeto centorighe



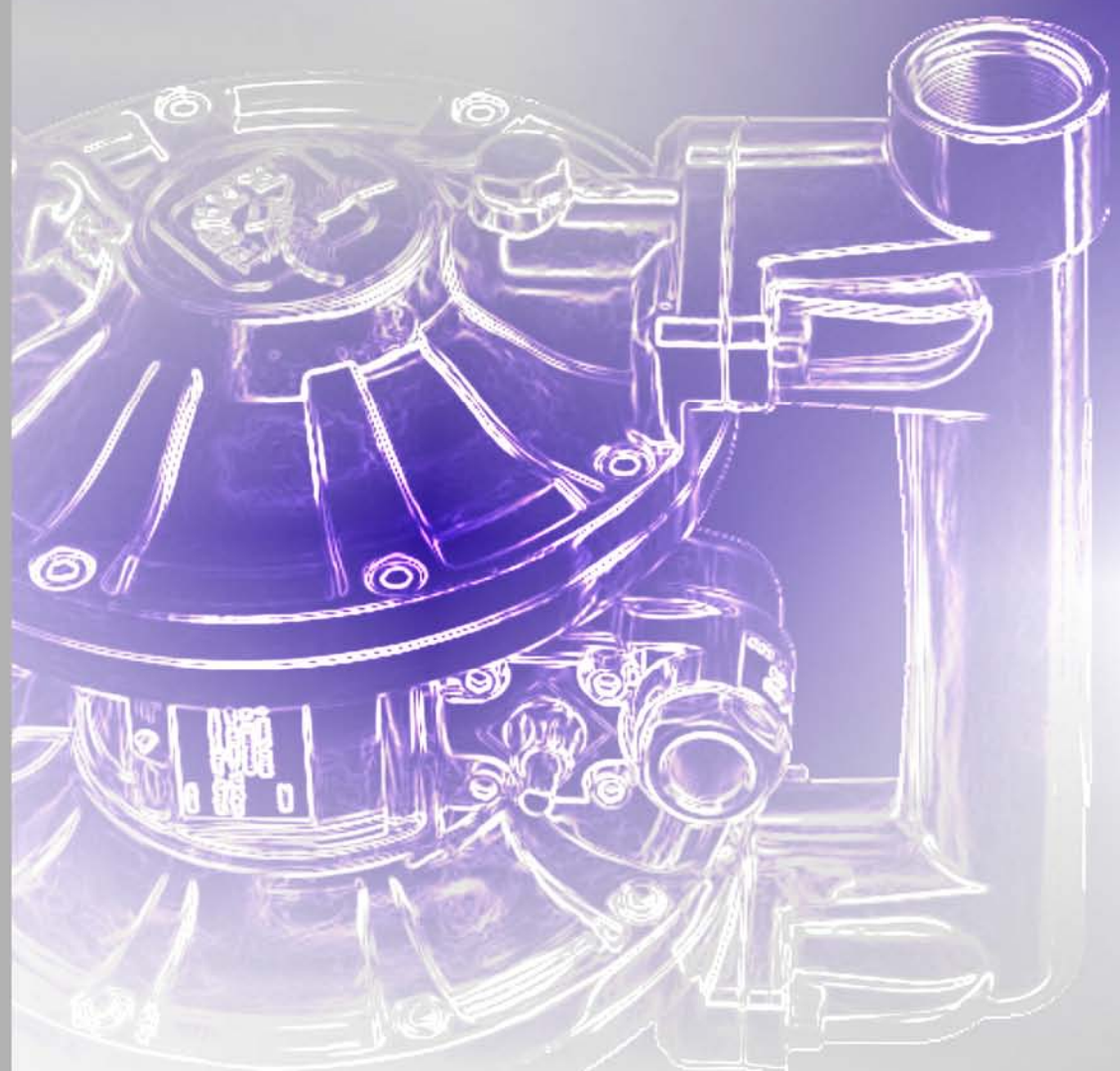
Colour *Coleur* Colore	**Shape** *Dessin* Disegno	**Thickness mm** *Épaisseur* Spessore mm	**Size mt** *Dimensions* Pezzatura m	**Mass** *Masse* Massa Kg/m^2
Black *Noir* Nero		3	10 x 1,20	3,3

Stud rubber mat
Tapis à bulles
Tappeto a bolle



Colour *Coleur* Colore	**Shape** *Dessin* Disegno	**Thickness mm** *Épaisseur* Spessore mm	**Size mt** *Dimensions* Pezzatura m
Black *Noir* Nero		3	10 x 1,20

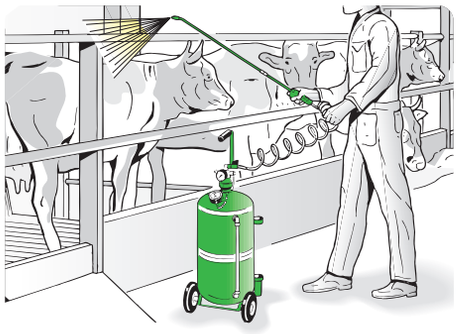
equipments
équipements
attrezzature



mori s.p.a.

take care of your business

Non-toxic stainless-steel sprayers
Nebuliseurs atoxiques inox
Nebulizzatori atossici inox



Art. 23024 (/24) Art. 23025 (/24)

AISI 304 stainless steel
Stainless-steel pressure sprayers suitable for spraying non-toxic liquid detergents, lubricating oils and similar. Suitable for spraying disinfecting products in agriculture, breeding, gardening, food processing, etc. Filled to 3/4 their capacity with the chosen liquid and pressurized with air at 6-8 bar, they work autonomously without requiring continuous connection to the compressed-air line.

inox AISI 304
Équipements inox pour la nébulisation atoxique de liquides à basse densité comme des détergents, des huiles lubrifiantes et similaires. Adaptés à la nébulisation de désinfectants pour l'agriculture, l'élevage, le jardinage, l'alimentaire, etc.
Remplis de liquide au ¾ de leur capacité et pressurisés avec de l'air à 6-8 bar, ils opèrent de manière autonome sans besoin d'être reliés en continu au réseau d'air comprimé.

inox AISI 304
Apparecchi Inox per nebulizzazione atossica di liquidi a bassa densità quali detergenti, oli lubrificanti ed affini. Adatti alla nebulizzazione di disinfettanti per l'agricoltura, l'allevamento, il giardinaggio, l'alimentare, ecc.
Riempiti del liquido per 3/4 della loro capacità e pressurizzati con aria a 6 - 8 bar, operano autonomamente senza necessità di collegamento continuo alla rete d'aria compressa.

Art. 23024
Painted stainless-steel pressure sprayers with 24 litre wheel-mounted tank. Comes with:
- **Level gauge**
- **Art. 24891 antisplash funnel**

Nébuliseur sur chariot INOX verni avec réservoir de 24 litres, pourvu de:
- *indicateur de niveau*
- *Art. 24891 entonnoir anti-refoulement*

Nebulizzatore carrellato INOX verniciato con serbatoio da 24 litri, dotato di:
- indicatore di livello
- Art. 24891 imbuto antiriflusso

N° 1 **packing**		
N° 1 *packing*	m^3 0,090	Kg 12,8
N° 1 packing		

Art. 23025
Stainless-steel pressure sprayers with 24 litre wheel-mounted tank. Comes with:
- **Level gauge**
- **Art. 24891 antisplash funnel**

Nébuliseur sur chariot INOX avec réservoir de 24 litres, pourvu de:
- *indicateur de niveau*
- *Art. 24891 entonnoir anti-refoulement*

Nebulizzatore carrellato INOX con serbatoio da 24 litri, dotato di:
- indicatore di livello
- Art. 24891 imbuto antiriflusso

N° 1 **packing** N° 1 *packing* N° 1 packing	m^3 0,090	Kg 12,8

Art. 24806
Stainless-steel spraying gun with EPDM seals
Pistolet nébuliseur en acier inox avec joints en EPDM
Pistola nebulizzatore acciai inox con guarnizioni in EPDM

Art. 24891
Funnel with antisplash rim to prevent the liquid from splashing out while filling the tank.
Entonnoir avec bord anti-refoulement pour éviter la sortie de liquide pendant la phase de remplissage du réservoir
Imbuto con bordo antiriflusso per evitare la fuoriuscita del liquido durante la fase di riempimento del serbatoio

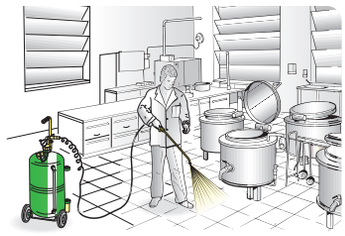
Important: The pressure sprayers can be used with all products including acid-based (sulphuric, nitric, muriatic, phosphoric acid) products provided the percentage present does not exceed 15-20% and the product does not tend to break up.

Attention: avec le nébuliseur inox, on peut également utiliser des produits à base acide comme l'acide sulfurique, nitrique, muriatique, phosphorique. On recommande de choisir un produit qui ne tende pas à se scinder et ayant un pourcentage de dissolution non supérieur à 15 - 20 %

Attenzione: Con il nebulizzatore inox si possono utilizzare anche prodotti a base acida quali acido solforico, nitrico, muriatico, fosforico. Si raccomanda di scegliere un prodotto che non tenda a scindersi e con una percentuale di diluizione non superiore al 15 - 20 %

USAGE EXAMPLES
EXEMPLES D'UTILISATION
ESEMPI DI UTILIZZO

Spraying of detergents or disinfectants in the food processing industry
Nébulisation de détergent ou de désinfectant en environnements alimentaires
Nebulizzazione di detergente o disinfettante in ambienti alimentari

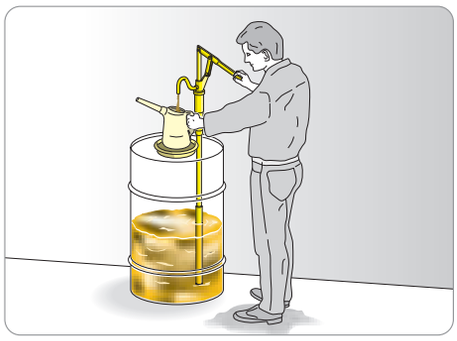


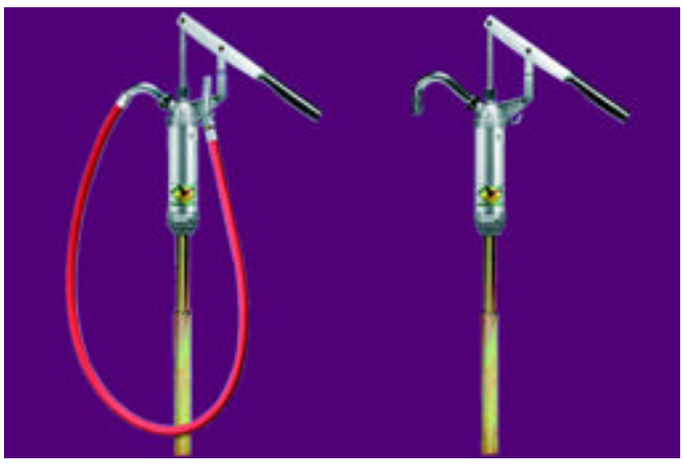
Spraying of detergent for engine washing
Nébulisation de détergent pour le lavage des moteurs
Nebulizzazione di detergente per lavaggio motori

Detergent spraying in slaughter-houses
Nébulisation de détergent dans les environnements d'abattoirs
Nebulizzazione di detergente negli ambienti di macellazione

Detergent spraying in public spaces
Nébulisation de détergent pour le lavage de lieux publics
Nebulizzazione di detergente per lavaggio di ambienti pubblici

Hand-operated oil dispensers
Pompes manuelles pour huile et similaires
Pompe manuali per olio e affini





Art. 31200 (Kg 50 - 220) Art. 31201 (Kg 50 - 220)

Single action
VITON seals
Hand pump for spraying oil and the like.
Single-action pump with VITON seals. The telescopic probe allows direct application on different capacity drums. Suitable for spraying low/high viscosity oils.

Simple effet
Joints VITON
Pompe manuelle pour distribution d'huile et similaires.
À simple effet et joints en VITON. Le tirant télescopique permet l'application directe aux conteneurs de différentes capacités. Elles sont adaptées à la distribution d'huile à bassa/haute viscosité.

Semplice effetto
Guarnizioni VITON
Pompa manuale per distribuzione olio e affini.
A semplice effetto e guarnizioni in VITON. Il pescante telescopico permette l'applicazione diretta a contenitori di diverse capacità. Adatte alla distribuzione di olio a bassa/alta viscosità.

Art. 31200
Single-action hand pump for 50 - 220 kg drums with 2 m long soft spraying hose
Pompe manuelle à simple effet pour tonnes de 50 - 220 kg, avec tuyau de distribution flexible de 2 m
Pompa manuale a semplice effetto per fusti da 50 - 220 Kg, con tubo erogazione flessibile da 2 m

N° 1 **packing**
N° 1 *packing*
N° 1 packing

m^3 0,016

Kg 4,2

Art. 31201
Single-action hand pump for 50 - 220 kg drums, with bent rigid end
Pompe manuelle à simple effet pour tonnes de 50 - 220 kg, avec terminal rigide recourbé
Pompa manuale a semplice effetto per fusti da 50 - 220 Kg, con terminale rigido ricurvo

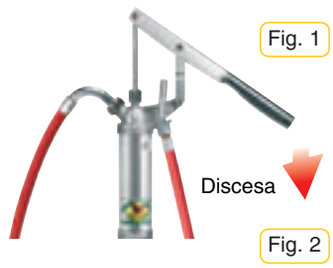
N° 1 **packing**
N° 1 *packing*
N° 1 packing

m^3 0,016

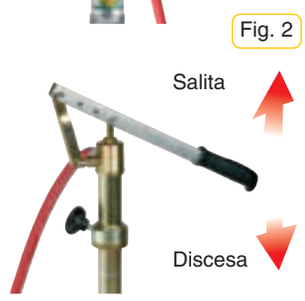
Kg 4,0

Item *Art.* Art.	**31200**	**31201**
Suitable for drums *Adaptée à des tonnes de* Adatta a fusti	50 - 220Kg	50 - 220Kg
Delivery hose length *Longueur tuyau de distribution* Lunghezza tubo erogazione	2 m	-
Probe length *Longueur tirant* Lunghezza pescante	0,7 - 1,04 m	0,7 - 1,04 m
Delivered quantity for complete cycle of the lever *Quantité distribuable par cycle complet du levier* Quantità erogabile per ciclo completo della leva	240 g	240 g
Max. oil density delivered *Densité huile distribuable max.* Densità olio erogabile max	SAE 130	SAE 130

A pump is said to be single-action (fig. 1) when the pump piston delivers the fluid only during the downward movement of the lever.
Le simple effet (fig.1) se vérifie quand le piston pompant permet la distribution du fluide seulement dans le mouvement de descente du levier de pompage.
Il semplice effetto (fig. 1) si verifica quando il pistone pompante consente l'erogazione del fluido solo nel movimento di discesa della leva di pompaggio



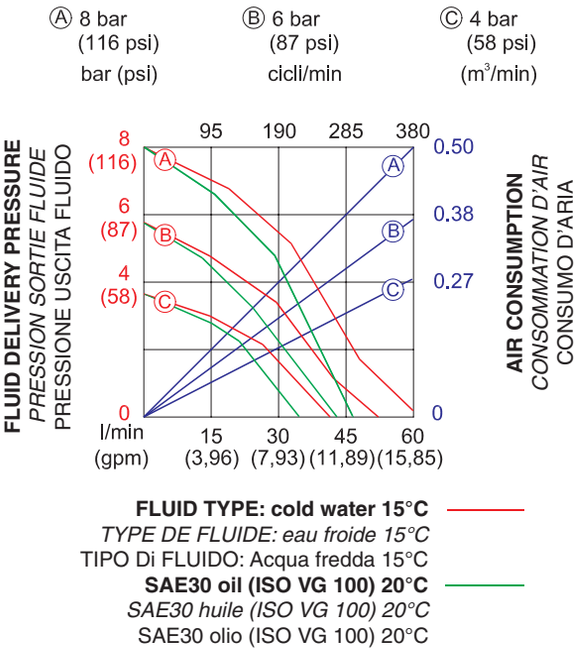
A pump is said to be double-action (fig. 2) when the pump piston delivers the fluid in its alternating movements (up and down). With double action, the delivery of the fluid is even and constant.
Le double effet (fig.2) se vérifie quand le piston pompant permet la distribution du fluide dans le cours de ses deux mouvements de montée et de descente. Le double effet permet la distribution du fluide avec un flux continu et constant.
Il doppio effetto (fig. 2) si verifica quanto il pistone pompante consente l'erogazione del fluido nel corso di entrambi i suoi movimenti di salita e discesa. Il doppio effetto permette l'erogazione del fluido con flusso continuo e costante.



Art. 32712
Digital litre-counter kit with partial and cumulative reading, complete with connection unions.
Can be placed between the pump and the delivery hose to control the amount of oil delivered.
Kit compteur de litres numérique avec lecture partielle et cumulative, complet de raccords de branchement.
L'application entre la pompe et le tuyau de distribution permet le contrôle de la quantité d'huile distribuée.
Kit contalitri digitale con lettura parziale e cumulativa, completo di raccordi di collegamento
L'applicazione tra la pompa e il tubo di erogazione, permette il controllo della quantità di olio erogato

Warning: Do not use flammable or corrosive liquids.
Attention : Ne pas utiliser de liquides inflammables ou corrosifs
Attenzione: Non usare liquidi infiammabili o corrosivi

1/2" diaphragm pumps
Pompes a diaphragme série 1/2"
Pompe a diaframma serie 1/2"



33/101260 33500

Ratio 1:1 Flow rate: 60 l/min
Rapport 1:1 Débit 60 l/min
Rapporto 1:1 Portata 60 l/min

Diaphragm NBR
Membrane NBR
Membrana NBR

Diaphragm transfer pumps in die-cast aluminium with high quality components for durable and reliable operations even in extreme conditions.

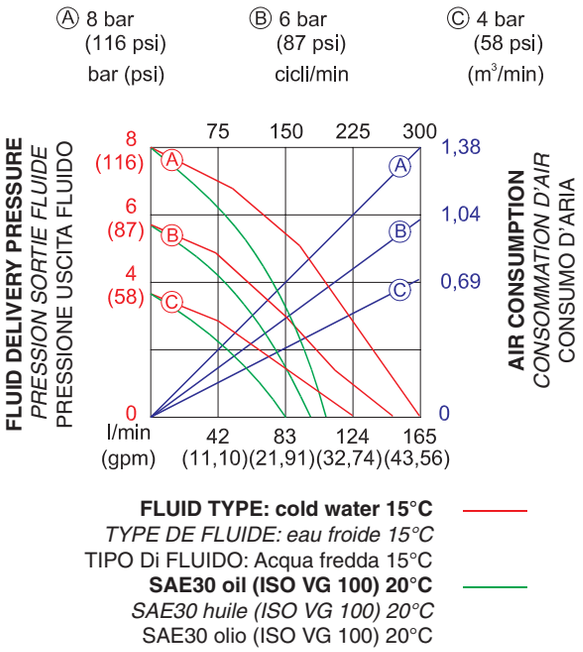
Les pompes à diaphragme pour transvasement construites en aluminium moulé sous pression, avec des composants de qualité élevée, assurent un fonctionnement durable et fiable en conditions extrêmes.

Le pompe a diaframma per travaso costruite in alluminio pressofuso, con componenti di elevata qualità, assicurano un funzionamento duraturo e affidabile anche in condizioni estreme.

Item *Art.* Art.	**33/101260**	**33500**
Pump material *Matériau pompe* Materiale pompa	**Aluminium** *Aluminium* Alluminio	**Aluminium** *Aluminium* Alluminio
Diaphragm material *Matériau membrane* Materiale membrana	**High Nitrile NBR** *NBR Haut Nitrile* NBR Alto Nitrile	**High Nitrile NBR** *NBR Haut Nitrile* NBR Alto Nitrile
Valve ball material *Matériau sphères robinets* Materiale sfere valvole	Hytrel	Hytrel
Compatible fluids *Fluides compatibles* Fluidi compatibili	**Water, mineral and vegetable oils, diesel oil** *Eau, huiles minérales - végétales, gasoil* Acqua, olii minerali-vegetali, gasolio	**Water, mineral and vegetable oils, diesel oil** *Eau, huiles minérales - végétales, gasoil* Acqua, olii minerali-vegetali, gasolio
Compression ratio *Rapport de compression* Rapporto di compressione	1:1	1:1

Item *Art.* Art.	**33/101260**	**33500**
Air inlet connector *Branchement entrée air* Attacco entrata aria	F1/4” G	F1/4" G
Fluid inlet/outlet connector *Branchement entrée - sortie fluide* Attacco entrata-uscita fluido	F3/4” x F3/4” G	**Probe ø 34 mm - F3/4" G** *Tirant ø 34 mm - F3/4" G* Pescante ø 34 mm - F3/4" G
Working pressure *Pression d'exercice* Pressione di esercizio	2-6 bar	2-6 bar
Max. pressure *Pression max.* Pressione max	8 bar	8 bar
Average air consumption *Consommation moyenne air* Consumo aria medio	400 l/min	400 l/min
Relative flow rate (free flow at 8 bar) *Débit relatif (sortie libre à 8 bar)* Portata relativa (uscita libera a 8 bar)	60 l/min	60 l/min
Noise level *Bruyance* Rumorosità	75 dB	75 dB
Fluid temperature *Température fluide* Temperatura fluido	-10+50°C	-10+50°C
Max. passing-solids diameter *Diamètre solides de passage max.* Diametro solidi di passaggio max	ø 1,5 mm	ø 1,5 mm
Suitable for drums or tanks *Adapté à tonnes ou citernes* Adatta a fusti o cisterne	-	**Drum (180-220 Kg)** *En tonnes (180-220 Kg)* A fusto (180-220 Kg)
Drum *En tonne* A fusto	N° 1 packing m^3 0,020 Kg 7,0	N° 2 packing m^3 0,040 Kg 10

1" diaphragm pumps
Pompes a diaphragme série 1”
Pompe a diaframma serie 1"



33/101160

Ratio 1:1 Flow rate: 160 l/min
Rapport 1:1 Débit 160 l/min
Rapporto 1:1 Portata 160 l/min

Diaphragm NBR
Membrane NBR
Membrana NBR

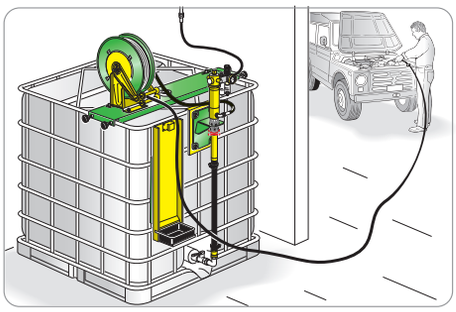
Diaphragm transfer pumps in die-cast aluminium with high quality components for durable and reliable operations even in extreme conditions.
Ideal to transfer fluids containing solids in suspension.

Les pompes à diaphragme pour transvasement construites en aluminium moulé sous pression, avec des composants de qualité élevée, assurent un fonctionnement durable et fiable en conditions extrêmes.
Elles sont idéales pour le transfert de fluides même en présence de solides en suspension.

Le pompe a diaframma per travaso costruite in alluminio pressofuso, con componenti di elevata qualità, assicurano un funzionamento duraturo e affidabile anche in condizioni estreme.
Ideali per il trasferimento di fluidi anche con presenza di solidi in sospensione.

Item *Art.* Art.	**33/101160**
Pump material *Matériau pompe* Materiale pompa	**Aluminium** *Aluminium* Alluminio
Diaphragm material *Matériau membrane* Materiale membrana	**High Nitrile NBR** *NBR Haut Nitrile* NBR Alto Nitrile
Valve ball material *Matériau sphères robinets* Materiale sfere valvole	Hytrel
Compatible fluids *Fluides compatibles* Fluidi compatibili	**Water, mineral and vegetable oils, diesel oil** *Huiles minérales - végétales, gasoil* Acqua, olii minerali-vegetali, gasolio
Compression ratio *Rapport de compression* Rapporto di compressione	1:1
Air inlet connector *Branchement entrée air* Attacco entrata aria	F1/2" G
Fluid inlet/outlet connector *Branchement entrée - sortie fluide* Attacco entrata-uscita fluido	F1.1/4" x F1.1/4" G
Working pressure *Pression d'exercice* Pressione di esercizio	2-6 bar
Max. pressure *Pression max* Pressione max	8 bar
Average air consumption *Consommation moyenne air* Consumo aria medio	1200 l/min
Relative flow rate (free flow at 8 bar) *Débit relatif (sortie libre à 8 bar)* Portata relativa (uscita libera a 8 bar)	160 l/min
Noise level *Bruyance* Rumorosità	75 dB
Fluid temperature *Température fluide* Temperatura fluido	-10+50°C
Max. passing solids diameter *Diamètre solides de passage max* Diametro solidi di passaggio max	ø 2 mm
	N° 1 packing m^3 0,032 Kg 16

Tank distribution kit
Kit distribution par citerne
Kit distribuzione da cisterna



Note: tank not included
Note: le kit n'inclut pas la citerne
Nota: il Kit non include la cisterna

Art. 36650 (R 3:1 - 14 l/min)
Art. 36660 (R 5:1 - 18 l/min)
Art. 36670 (R 5:1 - 45 l/min)
Art. 36675 (R 7:1 - 30 l/min)

With pump connected to the tank discharge.
Tank distribution unit with pump connected to the tank discharge device. Complete solution for the distribution of oil and the like. Oil-dispensing pump and hose reel are directly fixed to the tank by means of brackets. The pump connector is secured to the tank discharge.

Avec pompe reliée au déchargement de la citerne.
Système de distribution par citerne avec pompe appliquée sur le déchargement. Solution complète pour la distribution d'huile et similaires. La pompe pour la distribution et l'enrouleur de tuyau sont directement fixés à la citerne à travers de robustes étriers. Le branchement de la pompe est ancré sur le déchargement de la citerne.

Con pompa collegata allo scarico della cisterna
Sistema distribuzione da cisterna con pompa applicata allo scarico. Soluzione completa per la distribuzione di olio e affini. La pompa per distribuzione e l'avvolgitubo sono fissati direttamente alla cisterna tramite robuste staffe. Il collegamento della pompa è ancorato allo scarico della cisterna.

Art. 36650
Oil dispensing kit with pump connected to the tank discharge and open reel. Comes with:

- **Art. 35160** **Pump R 3:1 – 14 l/m**
- **Art. 38043** **Steel wall bracket**
- **Art. 8430.401** **1/2" 10 m hose reel**
- **Art. 38028** **Flexible suction**
- **Art. 38091** **Retaining valve**
- **Art. 37735** **Dispensing gun**
- **Art. 36641** **Wall bracket**
- **Art. 88630** **Drip tray**
- **Art. 38071** **Nipple 1/2" x1/2" G M/M**

N° 4 packing **m^3 0,260** **Kg 50**

Art. 36660
Oil dispensing kit same as Art. 36650, but with:

- **Art. 36060** **Pump R 5:1 – 18 l/m**

N° 4 packing **m^3 0,260** **Kg 51**

Art. 36670
Oil dispensing kit with pump connected to the tank discharge and open reel including:

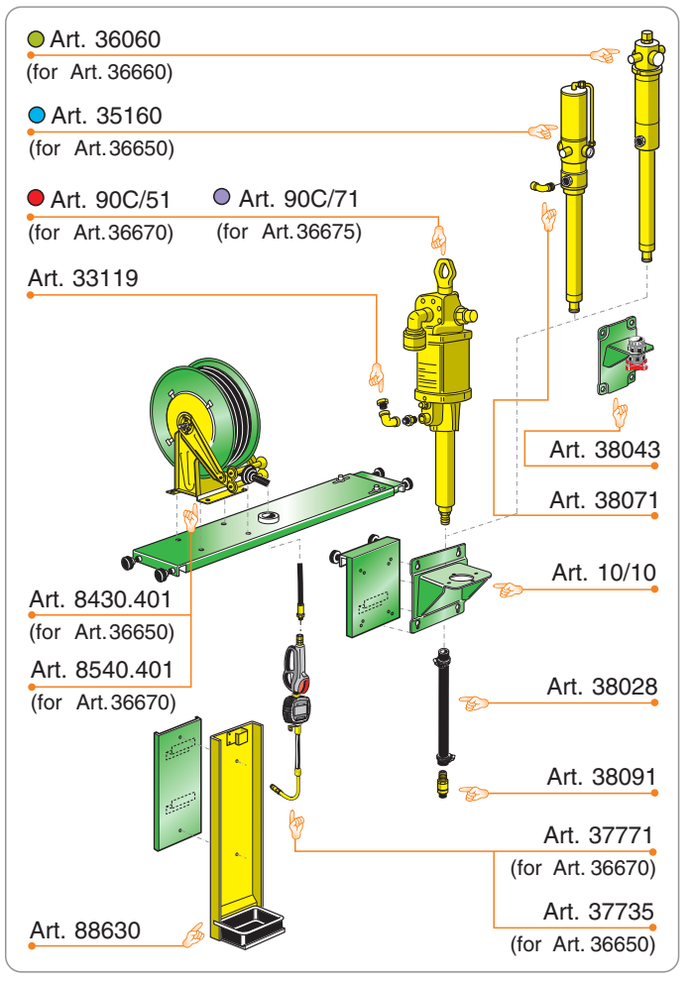
- **Art. 90C/51** **Pump R 5:1 – 45 l/m**
- **Art. 10/10** **Steel wall bracket**
- **Art. 8540.401** **3/4" 15 m hose reel**
- **Art. 38028** **Flexible suction**
- **Art. 38091** **Retaining valve**
- **Art. 37771** **1/2" Dispensing gun**
- **Art. 36641** **Wall bracket**
- **Art. 88630** **Drip tray**
- **Art. 33119** **Nipple 1" x 3/4" G M/M**

N° 4 packing **m^3 0,280** **Kg 72**

Art. 36675
Oil dispensing kit same as Art. 36670, but with:

- **Art. 90C/71** **Pump R 7:1 - 30 l/min**

N° 4 packing **m^3 0,280** **Kg 71**



Art. 36650
Kit distribution huile et similaires avec pompe reliée au déchargement de la citerne et enrouleur de tuyau ouvert, composé de:

- *Art. 35160* *pompe R 3:1 - 14 l/min*
- *Art. 38043* *étrier support pompe*
- *Art. 8430.401* *enrouleur de tuyau 1/2" de 10 m*
- *Art. 38028* *tirant flexible*
- *Art. 38091* *vlapet de retenue*
- *Art. 37735* *pistolet doseur*
- *Art. 36641* *etrier de support*
- *Art. 88630* *récolteur de gouttes*
- *Art. 38071* *nipple 1/2" x1/2" G M/M*

N° 4 packing *m^3 0,260* *Kg 50*

Art. 36660
Kit distribution huile et similaires, composé comme Art. 36670 mais avec:

- *Art. 36060* *pompe R 5:1 - 18 l/min*

N° 4 packing *m^3 0,260* *Kg 51*

Art. 36670
Kit distribution huile et similaires avec pompe reliée au déchargement de la citerne et enrouleur de tuyau ouvert, composé de:

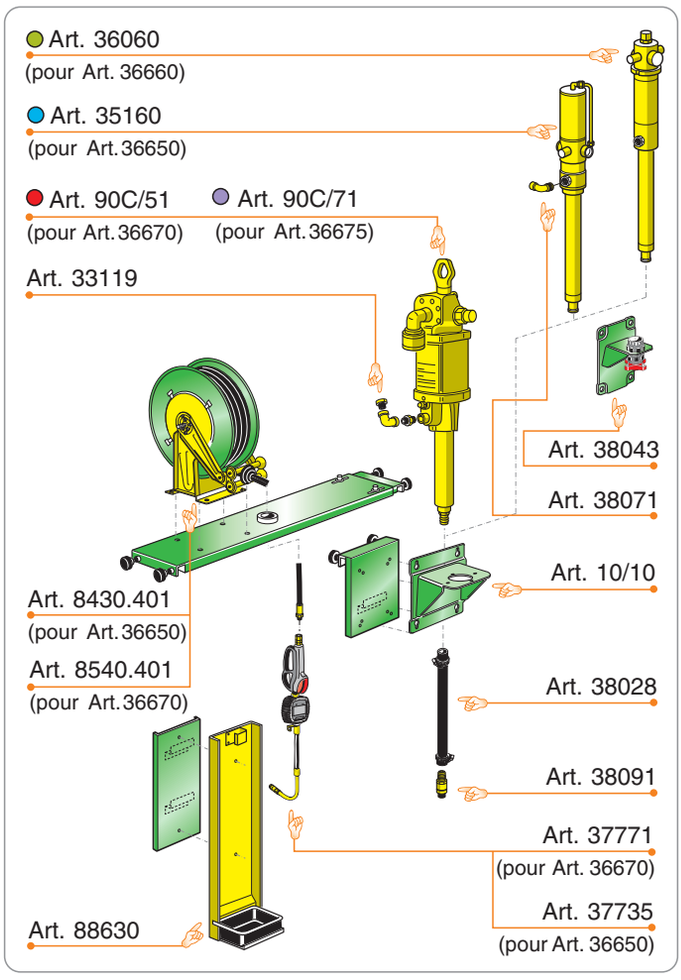
- *Art. 90C/51* *pompe R 5:1 - 45 l/min*
- *Art. 10/10* *étrier support pompe*
- *Art. 8540.401* *enrouleur de tuyau 3/4" de 15 m*
- *Art. 38028* *tirant flexible*
- *Art. 38091* *vlapet de retenue*
- *Art. 37771* *pistolet doseur 1/2"*
- *Art. 36641* *etrier de support*
- *Art. 88630* *récolteur de gouttes*
- *Art. 33119* *nipple 1" x 3/4" G M/M*

N° 4 packing *m^3 0,280* *Kg 72*

Art. 36675
Kit distribution huile et similaires, composé comme Art. 36670 ma con:

- *Art. 90C/71* *pompe R 7:1 - 30 l/min*

N° 4 packing *m^3 0,280* *Kg 71*



Art. 36650

Kit distribuzione olio e affini con pompa collegata allo scarico della cisterna e avvolgitubo aperto, composto da:

- Art. 35160 pompa R 3:1 - 14 l/min
- Art. 38043 staffa supporto pompa
- Art. 8430.401 avvolgitubo 1/2" da 10 m
- Art. 38028 pescante flessibile
- Art. 38091 valvola di ritegno
- Art. 37735 pistola dosatrice
- Art. 36641 staffa di supporto
- Art. 88630 raccogligocce
- Art. 38071 nipple 1/2" x1/2" G M/M

N° 4 packing m^3 0,260 Kg 50

Art. 36660

Kit distribuzione olio e affini, composto come Art. 36650 ma con:

- Art. 36060 pompa R 5:1 - 18 l/min

N° 4 packing m^3 0,260 Kg 51

Art. 36670

Kit distribuzione olio e affini con pompa collegata allo scarico della cisterna e avvolgitubo aperto, composto da:

- Art. 90C/51 pompa R 5:1 - 45 l/min
- Art. 10/10 staffa supporto pompa
- Art. 8540.401 avvolgitubo 3/4" da 15 m
- Art. 38028 tubo pescante flessibile
- Art. 38091 valvola di ritegno
- Art. 37771 pistola dosatrice 1/2"
- Art. 36641 staffa di supporto
- Art. 88630 raccogligocce
- Art. 33119 nipple 1" x 3/4" G M/M

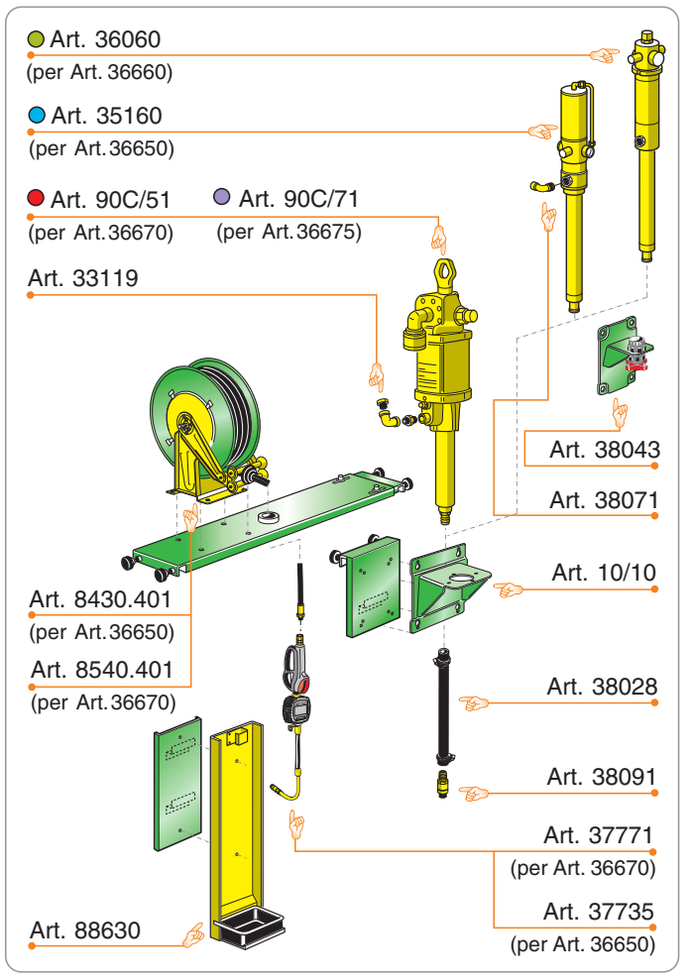
N° 4 packing m^3 0,280 Kg 72

Art. 36675

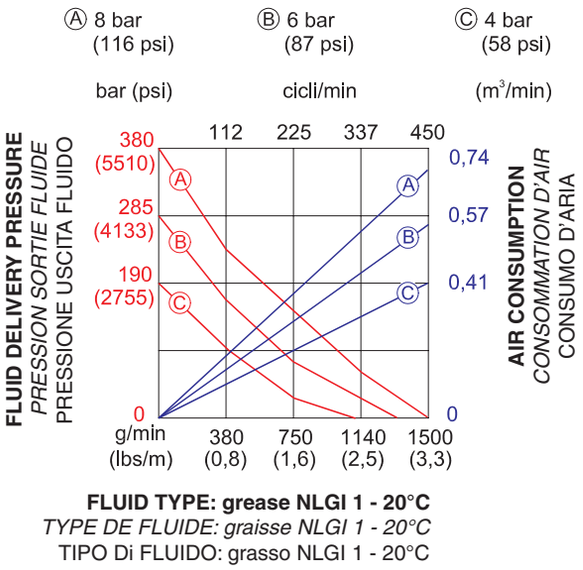
Kit distribuzione olio e affini, composto come Art. 36670 ma con:

- Art. 90C/71 pompa R 7:1 - 30 l/min

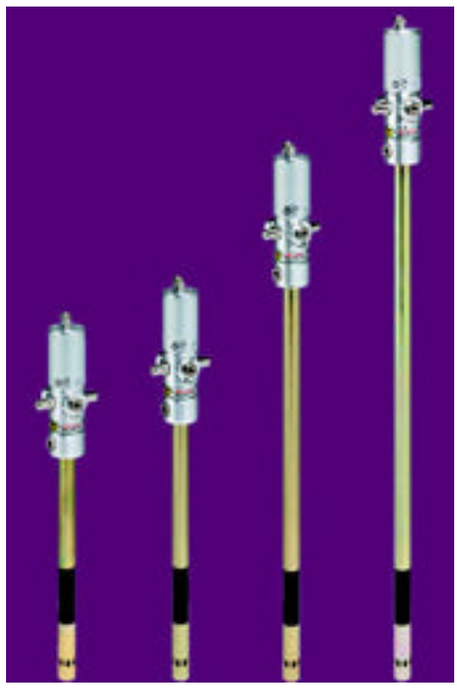
N° 4 packing m^3 0,280 Kg 71



Pompe grasso serie 600
Pompe graisses série 600
Pompe grasso serie 600



FLUID TYPE: grease NLGI 1 - 20°C
TYPE DE FLUIDE: graisse NLGI 1 - 20°C
TIPO Di FLUIDO: grasso NLGI 1 - 20°C



62041 62048 62074 62095

Ratio 50:1 Flow rate: 1500 g/min
Rapporte 50:1 Débit 1500 g/min
Rapporto 50:1 Portata 1500 g/min

Seals: polyurethane
Joints Polyuréthane
Guarnizioni Poliuretano

Air-operated pumps series 600 suitable for short and long distance distribution of all types of grease, for high pressure greasing. Ideal for dispensing medium/high viscosity grease. Suitable for mobile installations or centralized fixed systems.

Pompes pneumatiques série 600 pour distribution de graisse à courtes et à longues distances, pour le graissage à haute pression. Idéales pour la distribution de graisse à moyenne/haute viscosité. Adaptées que ce soit à des installations mobiles qu'à des installations fixes

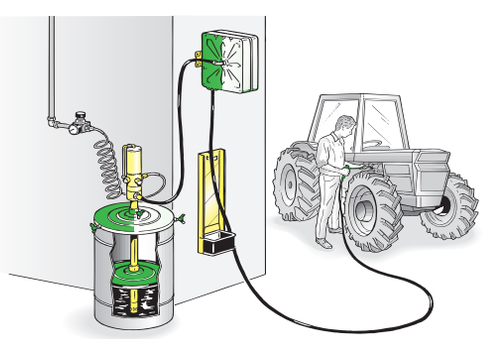
Pompe pneumatiche serie 600 per distribuzione grasso a breve e lunga distanza, per il grassaggio ad alta pressione. Ideali per la distribuzione di grasso a media/alta viscosità. Adatte sia ad installazioni mobili che a impianti fissi centralizzati.

Item *Art.* Art.	**62041**	**62048**	**62074**	**62095**
Compression ratio *Rapport de compression* Rapporto di compressione	50:1	50:1	50:1	50:1
Air inlet connection *Branchement entrée air* Attacco entrata aria	F1/4" G	F1/4" G	F1/4" G	F1/4" G
Grease outlet connection *Branchement sortie graisse* Attacco uscita aria	F3/8" G	F3/8" G	F3/8" G	F3/8" G
Working pressure *Pression d'exercice* Pressione di esercizio	6-8 bar	6-8 bar	6-8 bar	6-8 bar
Max. pressure *Pression max* Pressione max	8 bar	8 bar	8 bar	8 bar
Average air consumption *Consommation moyenne air* Consumo aria medio	330 l/min	330 l/min	330 l/min	330 l/min
Relative flow rate (free outlet at 6 bat) *Débit relatif (sortie libre à 6 bar)* Portata relativa (uscita libera a 6 bar)	1500 g/min	1500 g/min	1500 g/min	1500 g/min
Noise level *Bruyance* Rumorosità	81 dB	81 dB	81 dB	81 dB
Suitable for drums *Adaptée à tonnes de* Adatta a fusti da	16 - 20 Kg	20 - 30 Kg	50 - 60 Kg	180 - 220 Kg
Suction length *Longueur tirant* Lunghezza pescante	410 mm	480 mm	740 mm	940 mm
Suction diameter *Diamètre tirant* Diametro pescante	30 mm	30 mm	30 mm	30 mm
	N° 1 packing m^3 0,010 Kg 4,6	N° 1 packing m^3 0,010 Kg 4,8	N° 1 packing m^3 0,020 Kg 6,1	N° 1 packing m^3 0,020 Kg 6,7

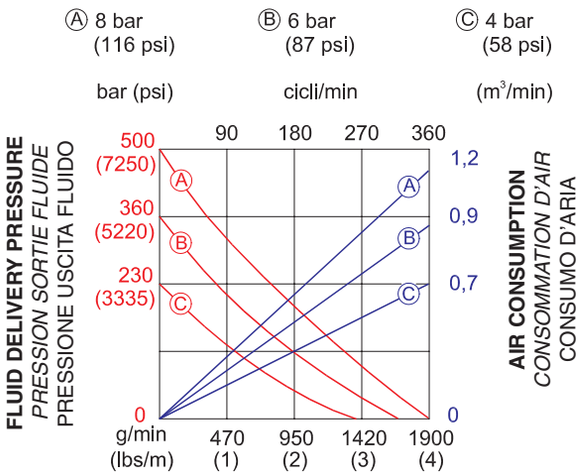
The suction tube is realized with special heat-treated pressed steel couplings, i.e. without seals in order to prevent wear problems.

Le tirant a été réalisé avec un accouplement d'aciers spéciaux, thermiquement traité, sans utilisation de joints pour éliminer tout problème d'usure.

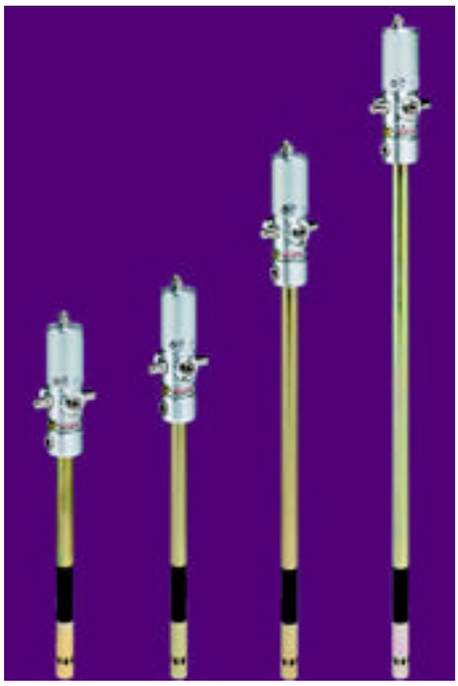
Il pescante è stato realizzato con abbinamento di acciai speciali, trattato termicamente, senza l'utilizzo di guarnizioni per eliminare qualsiasi problema d'usura.



OIL PUMPS series 700
Pompe graisses série 700
Pompe grasso serie 700



FLUID TYPE: grease NLGI 1 - 20°C
TYPE DE FLUIDE: graisse NLGI 1 - 20°C
TIPO Di FLUIDO: grasso NLGI 1 - 20°C



63041 63048 63074 63095

Ratio 65:1 Flow rate: 1900 g/min
Rapporte 65:1 Débit 1900 g/min
Rapporto 65:1 Portata 1900 g/min

Seals: polyurethane
Joints Polyuréthane
Guarnizioni Poliuretano

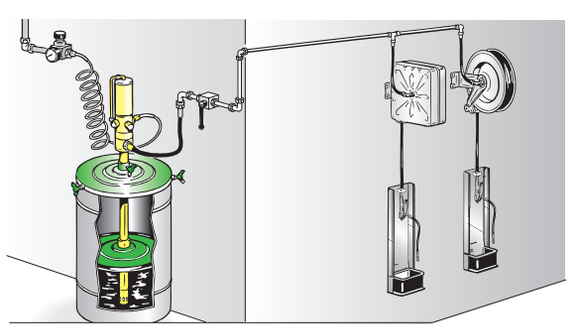
Air-operated pumps series 700 suitable for short and long distance dispensing of all types of grease, for high pressure greasing. Ideal for dispensing of medium/high viscosity grease. Suitable for mobile installations or centralized fixed systems. Suitable for specific distribution needs with high quantities of high-pressure grease

Pompes pneumatiques série 700 pour distribution de graisse à courtes et à longues distances, pour le graissage à haute pression. Idéales pour la distribution de graisse à moyenne/haute viscosité. Adaptées à des installations fixes centralisées. Indiquées pour des exigences spécifiques de distribution d'une quantité supérieure de graisse avec pression élevée.

Pompe pneumatiche serie 700 per distribuzione grasso a breve e lunga distanza, per il grassaggio ad alta pressione. Adatte per la distribuzione di grasso a media/alta viscosità. Idonee per impianti fissi centralizzati. Indicate per specifiche esigenze d'erogazione di una maggiore quantità di grasso con pressione elevata.

Item *Art.* Art.	**63041**	**63048**	**63074**	**63095**
Compression ratio *Rapport de compression* Rapporto di compressione	65:1	65:1	65:1	65:1
Air inlet connection *Branchement entrée air* Attacco entrata aria	F1/4" G	F1/4" G	F1/4" G	F1/4" G
Grease outlet connection *Branchement sortie graisse* Attacco uscita aria	F3/8" G	F3/8" G	F3/8" G	F3/8" G
Working pressure *Pression d'exercice* Pressione di esercizio	6-8 bar	6-8 bar	6-8 bar	6-8 bar
Max. pressure *Pression max* Pressione max	8 bar	8 bar	8 bar	8 bar
Average air consumption *Consommation moyenne air* Consumo aria medio	440 l/min	440 l/min	440 l/min	440 l/min
Relative flow rate (free outlet at 6 bat) *Débit relatif (sortie libre à 6 bar)* Portata relativa (uscita libera a 6 bar)	1900 g/min	1900 g/min	1900 g/min	1900 g/min
Noise level *Bruyance* Rumorosità	81 dB	81 dB	81 dB	81 dB
Suitable for drums *Adaptée à tonnes de* Adatta a fusti da	16 - 20 Kg	20 - 30 Kg	50 - 60 Kg	180 - 220 Kg
Suction length *Longueur tirant* Lunghezza pescante	410 mm	480 mm	740 mm	940 mm
Suction diameter *Diamètre tirant* Diametro pescante	30 mm	30 mm	30 mm	30 mm
	N° 1 packing m^3 0,010 Kg 5,9	N° 1 packing m^3 0,010 Kg 6,1	N° 1 packing m^3 0,020 Kg 7,4	N° 1 packing m^3 0,020 Kg 8,2

Equipped with filter at air inlet to motor and a filter in the suction tube for drawing clean grease. The pumps are also equipped with a double valve that facilitates the continuous delivery of grease sucked, thus preventing any stoppages due to any impurities.



Les pompes sont dotées de filtre sur l'entrée de l'air et de filtre sur la base du tirant dans le passage de la graisse aspirée. Elles sont équipées d'un double clapet permettant une distribution de la graisse à flux continu et constant. Ces détails évitent les obstructions et les interruptions qui en découlent, dues au passage d'impuretés.

Le pompe sono dotate di filtro all'entrata dell'aria e di filtro alla base del pescante nel passaggio del grasso aspirato. Sono equipaggiate con doppia valvola che consente un'erogazione del grasso con flusso continuo e costante. Questi accorgimenti evitano le ostruzioni e conseguenti interruzioni, dovute al passaggio d'impurità.

How to choose the most suitable pump for one's needs
Comment choisir la pompe appropriee a ses propres exigences
Come scegliere la pompa idonea alle proprie esigenze

33-2011 90C-51 91C-71 91F-111 116F-181 91F-451 116F-751 116F-401 90D-51 120D-91 90D-21 150D-41

RAASM manufactures a wide range of industrial pumps to meet the most challenging needs of a variety of sectors such as industry, building, mining, boating, etc. This wide range of products includes the most suitable pump for your specific requirements.

Before choosing a pump it is important to assess the following factors:
- **Type of fluid and viscosity**
- **Amount of fluid to be delivered**
- **Distance between pump and delivery point pressure**

RAASM a réalisé une vaste gamme de pompes industrielles pouvant satisfaire les demandes les plus complexes pour des secteurs d'utilisation comme: l'industrie, le bâtiment, les minières, les chantiers navals, etc. Dans ce vaste assortiment, vous trouverez certainement la pompe qui s'adapte à votre application.

Pour le choix de la pompe, il est essentiel d'évaluer les facteurs de base suivants:
- *Type de fluide et sa viscosité*
- *Quantité à distribuer*
- *Distance entre la pompe d'alimentation et le point de distribution pression pour le type d'utilisation*

RAASM ha realizzato una ampia gamma di pompe industriali che possono soddisfare le richieste più complesse per settori d'utilizzo quali: industria, edilizia, miniere, cantieri navali, ecc. In questo vasto assortimento troverete sicuramente la pompa adatta alla vostra applicazione.

Per la scelta della pompa è essenziale valutare i seguenti fattori base:
- tipo di fluido e sua viscosità
- quantità da erogare
- distanza fra la pompa di alimentazione e il punto di erogazione pressione per il tipo di utilizzo

Table to select the appropriate pump for your needs

Item	33-2011	90C-51	91C-71	91F-111
Pump series Compression ratio Flow rate	1/2" - 1 1:1 60 - 160 l/min	900 5:1 45 l/min	900 7:1 30 l/min	900 11:1 30 l/min
Low viscosity fluids such as: low viscosity oils (SAE 15/20), hydraulic oil, diesel oil and the like	Medium distance NBR seals	Medium/long distance PU seals	Medium/long distance PU seals	Medium/long distance PU seals
Medium viscosity fluids such as: motor oil, change oil (SAE 15/140) etc.	Short distance NBR seals	Medium/long distance PU seals	Medium/long distance PU seals	Medium/long distance PU seals
High viscosity fluids, such as: motor oil, change oil (SAE 240) etc.	-	Medium/long distance PU seals	Medium/long distance PU seals	Medium/long distance PU seals
Medium/high viscosity grease	-	-	-	Transfer Short distance PU seals
Paints, inks, industrial liquids	-	If compatible with PU seals	If compatible with PU seals	If compatible with PU seals
Aggressive chemical liquids	-	-	-	-

Item	116F-181	91F-451	116F-751	116F-401
Pump series Compression ratio Flow rate	1200 18:1 23 l/min	900 45:1 4400 g/min	1200 75:1 4400 g/min	1200 40:1 10000 g/min
Low viscosity fluids such as: low viscosity oils (SAE 15/20), hydraulic oil, diesel oil and the like	Up to very long distances PU seals	-	-	-
Medium viscosity fluids such as: motor oil, change oil (SAE 15/140) etc.	Up to very long distances PU seals	-	-	-
High viscosity fluids, such as: motor oil, change oil (SAE 240) etc.	Up to very long distances PU seals	-	-	-
Medium/high viscosity grease	Transfer Short distance PU seals	Medium/long distance PU seals	Medium/long distance PU seals	High pressure transfer or long distance High flow rate PU seals
Paints, inks, industrial liquids	If compatible with PU seals	If compatible with PU seals	-	-
Aggressive chemical liquids	-	-	-	-

Item	90D-51	120D-91	90D-21	150D-41
Pump series Compression ratio Flow rate	900 5:1 45 l/min	1200 9:1 42 l/min	900 2:1 95 l/min	1500 4:1 110 l/min
Low viscosity fluids such as: low viscosity oils (SAE 15/20), hydraulic oil, diesel oil and the like	Medium/long distance Teflon seals	Medium/long distance Teflon seals Stainless steel suction	Medium/long distance PU seals	Medium/long distance PU seals
Medium viscosity fluids such as: motor oil, change oil (SAE 15/140) etc.	Medium/long distance Teflon seals	Medium/long distance Teflon seals Stainless steel suction	Short distance PU seals	Short distance PU seals
High viscosity fluids, such as: motor oil, change oil (SAE 240) etc.	Medium/long distance Teflon seals	Medium/long distance Teflon seals Stainless steel suction	Short distance PU seals	Medium/long distance PU seals

Equipments
Équipements
Attrezzature

Item	90D-51	120D-91	90D-21	150D-41
Pump series **Compression ratio** **Flow rate**	**900** **5:1** **45 l/min**	**1200** **9:1** **42 l/min**	**900** **2:1** **95 l/min**	**1500** **4:1** **110 l/min**
Medium/high viscosity grease	-	-	-	-
Paints, inks, industrial liquids	**Medium/long distance Teflon seals**	**Medium/long distance Teflon seals Stainless steel suction**	**Medium/long distance Viton seals**	**Medium/long distance Viton seals**
Aggressive chemical liquids	-	**Medium/long distance Teflon seals Stainless steel suction**	-	-

Tableau indicatif pour choisir la pompe adaptée à vos exigences

Art.	*33-2011*	*90C-51*	*91C-71*	*91F-111*
Série pompe *Rapport de compression* *Débit*	*1/2" - 1* *1:1* *60 - 160 l/min*	*900* *5:1* *45 l/min*	*900* *7:1* *30 l/min*	*900* *11:1* *30 l/min*
Fluides à basse viscosité comme: différentes huiles à basse viscosité (SAE 15/20), huiles hydrauliques, gasoil et similaires, etc.	*distances moyennes Joint NBR*	*distances moyennes/longues Joints PU*	*distances moyennes/longues Joints PU*	*distances moyennes/longues Joints PU*
Fluides à viscosité moyenne comme : huile moteur, huile de vidange (SAE 15/140) etc.	*distances brèves Joint NBR*	*distances moyennes/longues Joints PU*	*distances moyennes/longues Joints PU*	*distances moyennes/longues Joints PU*
Fluides à haute viscosité comme : huile moteur, huile de vidang (SAE 240) etc.	-	*distances moyennes Joint PU*	*distances moyennes/longues Joints PU*	*distances moyennes/longues Joints PU*
Graisses à moyenne et haute viscosité	-	-	-	*transvasement distances brèves Joints PU*
Peintures, encres, liquides industriels	-	*si compatibles avec Joints PU*	*si compatibles avec Joints PU*	*si compatibles avec Joints PU*
Fluides chimiques agressifs	-	-	-	-

Art.	*116F-181*	*91F-451*	*116F-751*	*116F-401*
Série pompe *Rapport de compression* *Débit*	*1200* *18:1* *23 l/min*	*900* *45:1* *4400 g/min*	*1200* *75:1* *4400 g/min*	*1200* *40:1* *10000 g/min*
Fluides à basse viscosité comme: différentes huiles à basse viscosité (SAE 15/20), huiles hydrauliques, gasoil et similaires, etc.	*jusqu'à des distances très longues Joints PU*	-	-	-
Fluides à viscosité moyenne comme : huile moteur, huile de vidange (SAE 15/140) etc.	*jusqu'à des distances très longues Joints PU*	-	-	-
Fluides à haute viscosité comme : huile moteur, huile de vidang (SAE 240) etc.	*jusqu'à des distances très longues Joints PU*	-	-	-
Graisses à moyenne et haute viscosité	*transvasement distances brèves Joints PU*	*distances moyennes/longues Joints PU*	*distances moyennes/longues Joints PU*	*transvasement haute pression ou distances longues haut débit Joint PU*

Art.	*116F-181*	*91F-451*	*116F-751*	*116F-401*
Série pompe *Rapport de compression* *Débit*	*1200* *18:1* *23 l/min*	*900* *45:1* *4400 g/min*	*1200* *75:1* *4400 g/min*	*1200* *40:1* *10000 g/min*
Peintures, encres, liquides industriels	*si compatibles avec Joints PU*	*si compatibles avec Joints PU*	-	-
Fluides chimiques agressifs	-	-	-	-

Art.	*90D-51*	*120D-91*	*90D-21*	*150D-41*
Série pompe *Rapport de compression* *Débit*	*900* *5:1* *45 l/min*	*1200* *9:1* *42 l/min*	*900* *2:1* *95 l/min*	*1500* *4:1* *110 l/min*
Fluides à basse viscosité comme: différentes huiles à basse viscosité (SAE 15/20), huiles hydrauliques, gasoil et similaires, etc.	*distances moyennes/longues Joints teflon*	*distances moyennes/longues Joints teflon tirant inox*	*distances moyennes/longues Joints PU*	*distances moyennes/longues Joints PU*
Fluides à viscosité moyenne comme : huile moteur, huile de vidange (SAE 15/140) etc.	*distances moyennes/longues Joints teflon*	*distances moyennes/longues Joints teflon pescante inox*	*distances moyennes/longues Joints PU*	*distances moyennes/longues Joints PU*
Fluides à haute viscosité comme : huile moteur, huile de vidang (SAE 240) etc.	*distances moyennes/longues Joints teflon*	*distances moyennes/longues Joints teflon tirant inox*	*distances brèves Joint PU*	*distances moyennes/longues Joints PU*
Graisses à moyenne et haute viscosité	-	-	-	-
Peintures, encres, liquides industriels	*distances moyennes/longues Joints teflon*	*distances moyennes/longues Joints teflon tirant inox*	*distances moyennes/longues Joints Viton*	*distances moyennes/longues Joints Viton*
Fluides chimiques agressifs	-	*distances moyennes/longues Joints teflon tirant inox*	-	-

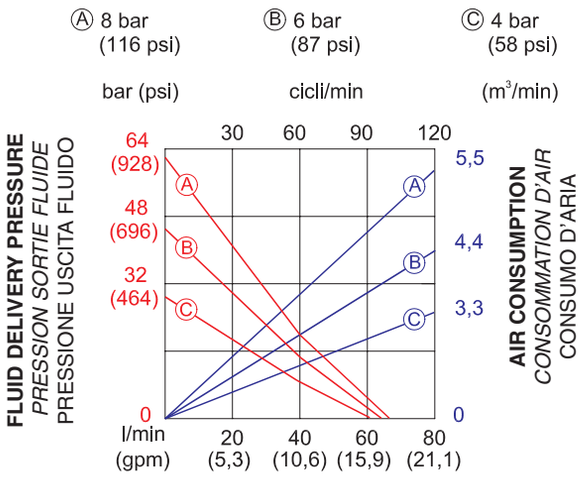
Tabella indicativa per scegliere la pompa idonea alle vostre esigenze

Art.	33-2011	90C-51	91C-71	91F-111
Serie pompa Rapporto di compressione Portata	1/2" - 1 1:1 60 - 160 l/min	900 5:1 45 l/min	900 7:1 30 l/min	900 11:1 30 l/min
Fluidi a bassa viscosità quali: oli vari a bassa viscosità (SAE 15/20), olio idraulico, gasolio e affini, ecc.	distanze medie Guarnizioni NBR	distanze medie lunghe Guarnizioni PU	distanze medie lunghe Guarnizioni PU	distanze medie lunghe Guarnizioni PU
Fluidi a media viscosità quali: olio motore, olio cambio (SAE 15/140) ecc.	distanze brevi Guarnizioni NBR	distanze medie lunghe Guarnizioni PU	distanze medie lunghe Guarnizioni PU	distanze medie lunghe Guarnizioni PU
Fluidi ad alta viscosità quali: olio motore, olio cambio (SAE 240) ecc.	-	distanze medie Guarnizioni PU	distanze medie lunghe Guarnizioni PU	distanze medie lunghe Guarnizioni PU
Grassi a media e alta viscosità	-	-	-	travaso distanze brevi Guarnizioni PU
Vernici, inchiostri, liquidi industriali	-	Se compatibili con Guarnizioni PU	Se compatibili con Guarnizioni PU	Se compatibili con Guarnizioni PU
Fluidi chimici aggressivi	-	-	-	-

Art.	116F-181	91F-451	116F-751	116F-401
Serie pompa Rapporto di compressione Portata	1200 18:1 23 l/min	900 45:1 4400 g/min	1200 75:1 4400 g/min	1200 40:1 10000 g/min
Fluidi a bassa viscosità quali: oli vari a bassa viscosità (SAE 15/20), olio idraulico, gasolio e affini, ecc.	fino a distanze molto lunghe Guarnizioni PU	-	-	-
Fluidi a media viscosità quali: olio motore, olio cambio (SAE 15/140) ecc.	fino a distanze molto lunghe Guarnizioni PU	-	-	-
Fluidi ad alta viscosità quali: olio motore, olio cambio (SAE 240) ecc.	fino a distanze molto lunghe Guarnizioni PU	-	-	-
Grassi a media e alta viscosità	travaso distanze brevi Guarnizioni PU	distanze medie lunghe Guarnizioni PU	distanze medie lunghe Guarnizioni PU	travaso alta pressione o distanze lunghe alta portata Guarnizioni PU
Vernici, inchiostri, liquidi industriali	Se compatibili con Guarnizioni PU	Se compatibili con Guarnizioni PU	-	-
Fluidi chimici aggressivi	-	-	-	-

Art.	90D-51	120D-91	90D-21	150D-41
Serie pompa Rapporto di compressione Portata	900 5:1 45 l/min	1200 9:1 42 l/min	900 2:1 95 l/min	1500 4:1 110 l/min
Fluidi a bassa viscosità quali: oli vari a bassa viscosità (SAE 15/20), olio idraulico, gasolio e affini, ecc.	distanze medie lunghe Guarnizioni teflon	distanze medie lunghe Guarnizioni teflon pescante inox	distanze medie lunghe Guarnizioni PU	distanze medie lunghe Guarnizioni PU
Fluidi a media viscosità quali: olio motore, olio cambio (SAE 15/140) ecc.	distanze medie lunghe Guarnizioni teflon	distanze medie lunghe Guarnizioni teflon pescante inox	distanze medie brevi Guarnizioni PU	distanze medie lunghe Guarnizioni PU
Fluidi ad alta viscosità quali: olio motore, olio cambio (SAE 240) ecc.	distanze medie lunghe Guarnizioni teflon	distanze medie lunghe Guarnizioni teflon pescante inox	distanze brevi Guarnizioni PU	distanze medie lunghe Guarnizioni PU
Grassi a media e alta viscosità	-	-	-	-
Vernici, inchiostri, liquidi industriali	distanze medie lunghe Guarnizioni teflon	distanze medie lunghe Guarnizioni teflon pescante inox	distanze medie lunghe Guarnizioni Viton	distanze medie lunghe Guarnizioni Viton
Fluidi chimici aggressivi	-	distanze medie lunghe Guarnizioni teflon pescante inox	-	-

Oil pumps series 1800
Pompe pour huile et similaires série 1800
Pompe per olio e affini serie 1800



FLUID TYPE: SAE30 oil (ISO VG 100) 20°C
TYPE DE FLUIDE: SAE30 huile (ISO VG 100) 20°C
TIPO Di FLUIDO: SAE30 olio (ISO VG 100) 20°C

180D/81 180DV/81

Ratio 8:1 Flow rate 65 l/min
Rapporte 8:1 Débit 65 l/min
Rapporto 8:1 Portata 65 l/min

Air-operated industrial pumps series 1800 for medium/long distance distribution. Suitable to transfer oils, lubricants and the like, they ensure high performances both in terms of flow rate (l/m) and working pressure. The version with viton seals can be used to transfer industrial fluids. Their high quality components ensure long-lasting and reliable performances even in extreme conditions.

Pompe pneumatiques industrielles série 1800 pour la distribution à moyennes/longues distances. Adaptées au transfert d'huiles, de lubrifiants et similaires, elles garantissent des prestations élevées que ce soit comme débit (l/min.) que comme pression d'utilisation. La version avec joints en viton peut être également utilisée pour le transfert de fluides industriels. Le haut standard qualitatif des composants assure un fonctionnement durable et fiable même en conditions extrêmes.

Pompe pneumatiche industriali serie 1800 per la distribuzione a medie/lunghe distanze. Idonee per il trasferimento d'oli, lubrificanti ed affini, garantiscono prestazioni elevate sia come portata (l/min) che come pressione di utilizzo. La versione con guarnizioni in viton, può essere utilizzata anche per il trasferimento di fluidi industriali. L'elevato standard qualitativo dei componenti assicura un funzionamento duraturo e affidabile anche in condizioni estreme.

Equipments
Équipements
Attrezzature

Item	180D/81	180DV/81
Compatible fluids *Fluides compatibles* Fluidi compatibili	**Oils, lubricants and the like** *Huiles, lubrifiants et similaires* Oli, lubrificanti ed affini	**Industrial and chemical fluids** *Huiles, lubrifiants et similaires* Fluidi industriali e chimici
Seal type *Type de joints* Tipo di guarnizioni	**Polyurethane PU** *Polyuréthane/PU* Poliuretano/PU	Viton
Suction upper body *Corps supérieur tirant* Corpo superiore pescante	**Carbon steel** *Acier au carbone* Acciaio al carbonio	**Carbon steel** *Acier au carbone* Acciaio al carbonio
Suction *Tirant* Pescante	**Carbon steel** *Acier au carbone* Acciaio al carbonio	**Carbon steel** *Acier au carbone* Acciaio al carbonio
Air inlet connection *Branchement entrée air* Attacco entrata aria	F 1/2"	F 1/2"
Fluid outlet connection *Branchement sortie fluide* Attacco uscita fluido	F 1.1/2"	F 1.1/2"
Suction length *Longueur tirant* Lunghezza pescante	**Modular (F 2")** *Modulaire (F 2")* Modulare (F 2")	**Modular (F 2")** *Modulaire (F 2")* Modulare (F 2")
Suction diameter *Diamètre tirant* Diametro pescante	ø 100	ø 100
Max air consumption at 8 bar *Consommation air 8 bar* Max consumo aria 8 bar	4,2 m^3/min	4,2 m^3/min
Noise level *Bruyance* Rumorosità	80 dB	80 dB
Max. feeding pressure *Pression max. alimentation* Pressione max alimentazione	8 bar	8 bar
	N° 1 packing m^3 0,20 Kg 56	N° 1 packing m^3 0,20 Kg 56

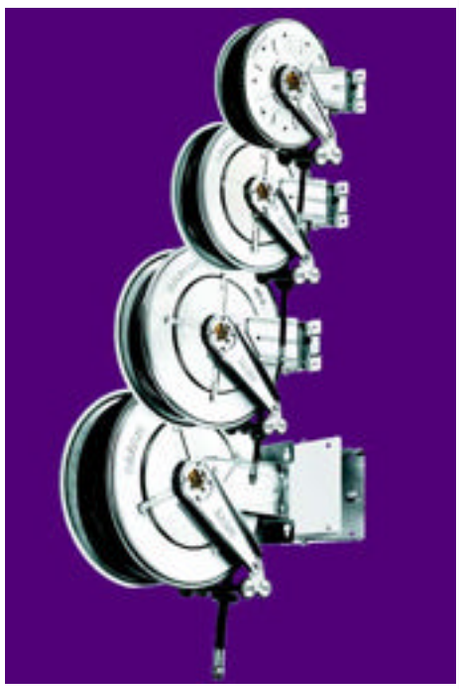
Adjustable stainless-steel hose reel
Enrouleur tuyau orientable inox
Avvolgitubo orientabili inox

Reels with black synthetic rubber hose and galvanized steel couplings
- **Brass swivel**
- **Viton seals**

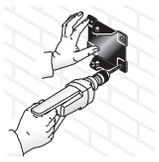
Enrouleur de tuyau avec tuyaux en caoutchouc synthétique noir raccordés en acier zingué
- *Articulation en laiton*
- *Joints en "viton".*

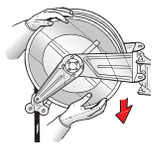
Avvolgitubo con tubi in gomma sintetica nera raccordati in acciaio zincato
- snodo in ottone
- guarnizioni in "viton".

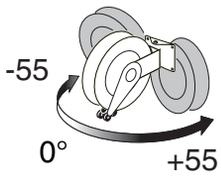
Item *Art.* Art.	**Hose length** *Longueur Tuyau* Lunghezza Tubo	**Hose Ø** *Ø Tuyau* Ø Tubo	**Connection** *Branchement* Attacco **Inlet** *Entrée* Entrata	 **Outlet** *Sortie* Uscita
8382.100	/	**Without hose** *sans tuyau* senza tubo	F 3/8"G	F 3/8"G
8382.101	12m (995.211)	3/8”	F 3/8"G	M 3/8"G
8382.102	18m (995.217)	3/8”	F 3/8"G	M 3/8"G
N° 1 packing m^3 0,050 da Kg 12 a 19				
8422.100	/	**Without hose** *Sans tuyau* Senza tubo	F 1/2"G	F 1/2"G
8422.101	12m (995.212)	3/8”	F 1/2"G	M 3/8"G
8422.102	18m (995.218)	3/8”	F 1/2"G	M 3/8"G
8422.103	10m (996.210)	1/2”	F 1/2"G	M 1/2"G
8422.104	15m (996.215)	1/2”	F 1/2"G	M 1/2"G
N° 1 packing m^3 0,065 a Kg 15 a 25				
8522.100	/	**Without hose** *Sans tuyau* Senza tubo	F 1/2"G	F 1/2"G
8522.101	20m (996.220)	1/2”	F 1/2"G	M 1/2"G
8522.102	25m (996.225)	1/2”	F 1/2"G	M 1/2"G
N° 1 packing m^3 0,065 da Kg 20 a 43				
8552.100	/	**Without hose** *Sans tuyau* Senza tubo	F 1"G	F 1"G
8552.101	15m (997.215)	3/4”	F 1"G	M 3/4"G
8552.102	20m (997.220)	3/4”	F 1"G	M 3/4"G
8552.103	15m (998.215)	1”	F 1"G	M 1"G
8552.105	/	**Without hose** *Sans tuyau* Senza tubo	F 1/2"G	F 1/2"G
8552.106	30m (996.230)	1/2”	F 1/2"G	M 1/2"G
N° 1 packing m^3 0,120 da Kg 25 a 41				



The quick-insert adjustable support allows to easily install the hose reel and to get a 55° left/right rotation or a fixed 0° position when blocked with two screws.



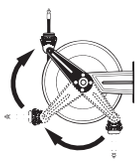




Le support orientable à branchement rapide facilite l'installation de l'enrouleur de tuyau et permet d'obtenir la rotation de 55° à droite ou à gauche ou la position fixe à 0° à travers le blocage avec deux vis.

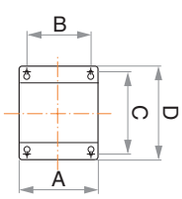
Il supporto orientabile ad innesto rapido facilita l'installazione dell'avvolgitubo e permette di ottenere la rotazione di 55° a destra e a sinistra o la posizione fissa a 0° mediante bloccaggio con due viti.

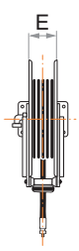
The adjustable arms can per easily re-positioned if necessary.
Les bras orientables peuvent être facilement repositionnés selon la nécessité.
I bracci orientabili possono essere facilmente riposizionati secondo necessità.

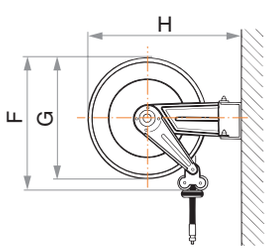


SIZE
DIMENSIONS D'ENCOMBREMENT
DIMENSIONI D'INGOMBRO

Item *Art.* Art.	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
S. 380	184	146	106	144	110	400	ø 390	484
S. 420	208	162	118	164	115	460	ø 420	541
S. 520	228	182	154	200	115	560	ø 510	642
S. 550	300	218	226	268	190	560	ø 510	702



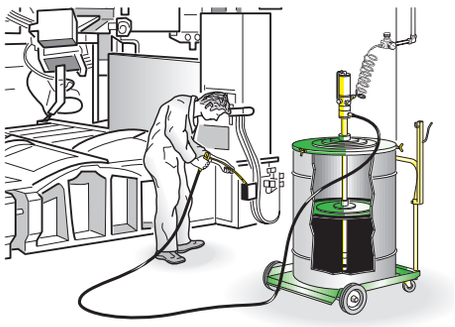




GREASE DISPENSING KIT for drums 180-220 Kg

Kit pour graissage pour tonnes 180 - 220 Kg

Kit per grassaggio per fusti 180 - 220 Kg



Art. 64070	(R 50:1 - 1500 g/min)
Art. 64070/65	(R 65:1 - 1900 g/min)
Art. 64070/75	(R 75:1 - 4400 g/min)

Mobile grease dispensing kit: handy combination for dispensing greases in any workplace. The trolley is equipped with a drum (180-220 kg) quick-clamping device and adjustable side support for hooking accessories.

Plateforme mobile pour la distribution de graisse. C'est la combinaison idéale pour la distribution de graisse dans n'importe quelle ambiance de travail. Le chariot est très maniable, il est doté de dispositif d'arrêt de la tonne (180 - 220 Kg) de support latéral réglable pour l'accroche des accessoires.

Piattaforma mobile per la distribuzione del grasso. E' la combinazione ideale per la distribuzione del grasso in qualsiasi ambiente di lavoro. Il carrello, assai maneggevole, è dotato di dispositivo di fermo del fusto (180 - 220 Kg), di supporto laterale regolabile per l'aggancio degli accessori.

Art. 64070
Mobile kit for dispensing grease for drums of 180/ 220 kg composed of:

- **Art. 62095** **pump R 50:1 - 1500 g/min**
- **Art. 80200** **trolley**
- **Art. 66892** **nipples**
- **Art. 993.504** **delivery hose 1/4” 4 m**
- **Art. 66888** **gun**
- **Art. 65600** **drum cover ø 600 mm**
- **Art. 66590** **follower plate ø 585 mm**

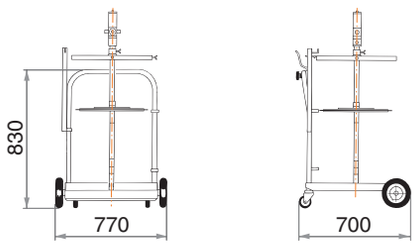
N° 3 packing **m^3 0,120** **Kg 64,2**

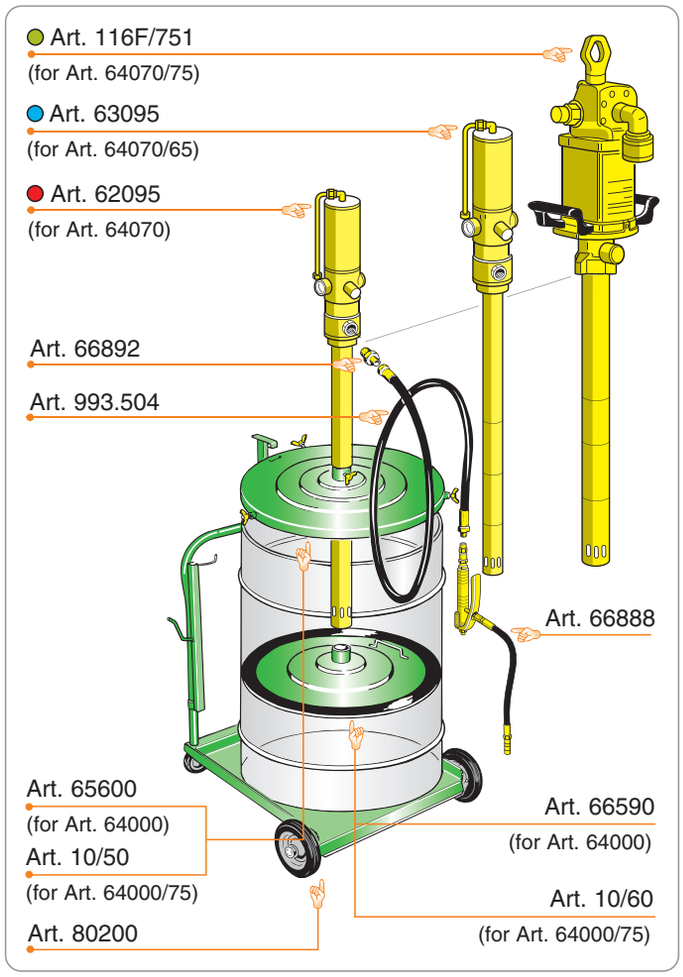
Art. 64070/65
Mobile kit like Art. 64070 but with:
Art. 63095 **pump R 65:1 - 1900 g/min**
N° 3 packing **m^3 0,120** **Kg 65,7**

Art. 64070/75
Mobile kit like Art. 64070 but with:

- **Art. 116F/751** **pump R 75:1 - 4400 g/min**
- **Art. 66893** **nipples 1/2" x 1/4" G M/M**
- **Art. 10/50** **drum cover ø 600 mm**
- **Art. 10/60** **follower plate ø 585 mm**

N° 3 packing **m^3 0,170** **Kg 79,7**





Art. 64070

Plateforme mobile distribution graisse pour tonnes de 180 - 220 Kg, composée de:

- *Art. 62095* *pompe R 50:1 - 1500 g/min*
- *Art. 80200* *chariot*
- *Art. 66892* *nipple*
- *Art. 993.504* *tuyau 1/4" - 4 m*
- *Art. 66888* *pistolet*
- *Art. 65600* *couvre tonne ø 600 mm*
- *Art. 66590* *membrane ø 585 mm*

N° 3 packing *m^3 0,120* *Kg 64,2*

Art. 64070/65

Plateforme comme Art 64070, mais avec:

Art. 63095 *pompe R 65:1 - 1900 g/min*

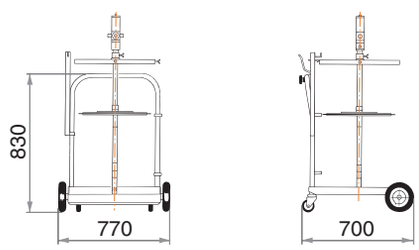
N° 3 packing *m^3 0,120* *Kg 65,7*

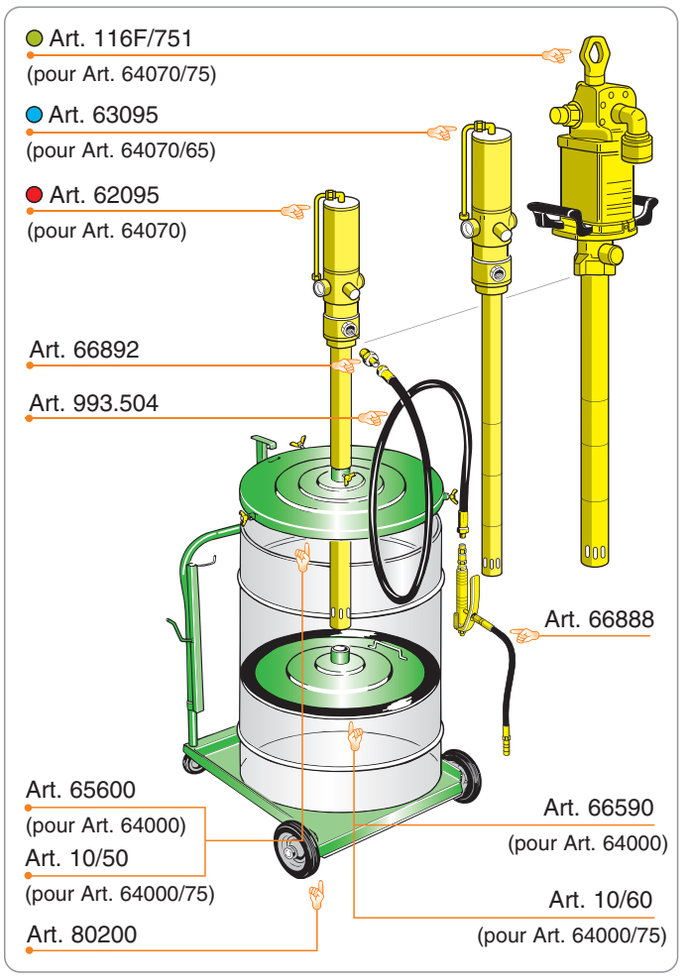
Art. 64070/75

Piattaforma come Art 64070, ma con:

- *Art. 116F/751* *pompe R 75:1 - 4400 g/min*
- *Art. 66893* *nipple 1/2" x 1/4" G M/M*
- *Art. 10/50* *couvre tonne ø 600 mm*
- *Art. 10/60* *membrane ø 585 mm*

N° 3 packing *m^3 0,170* *Kg 79,7*





Art. 64070
Piattaforma mobile distribuzione grasso per fusti da 180 - 220 Kg, composta da:

- Art. 62095 pompa R 50:1 - 1500 g/min
- Art. 80200 carrello
- Art. 66892 nipple
- Art. 993.504 tubo 1/4" - 4 m
- Art. 66888 pistola
- Art. 65600 coprifusto ø 600 mm
- Art. 66590 membrana ø 585 mm

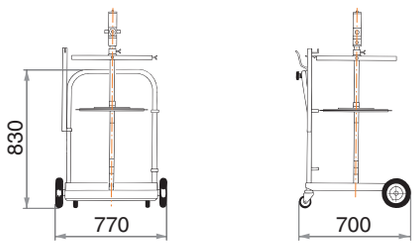
N° 3 packing m^3 0,120 Kg 64,2

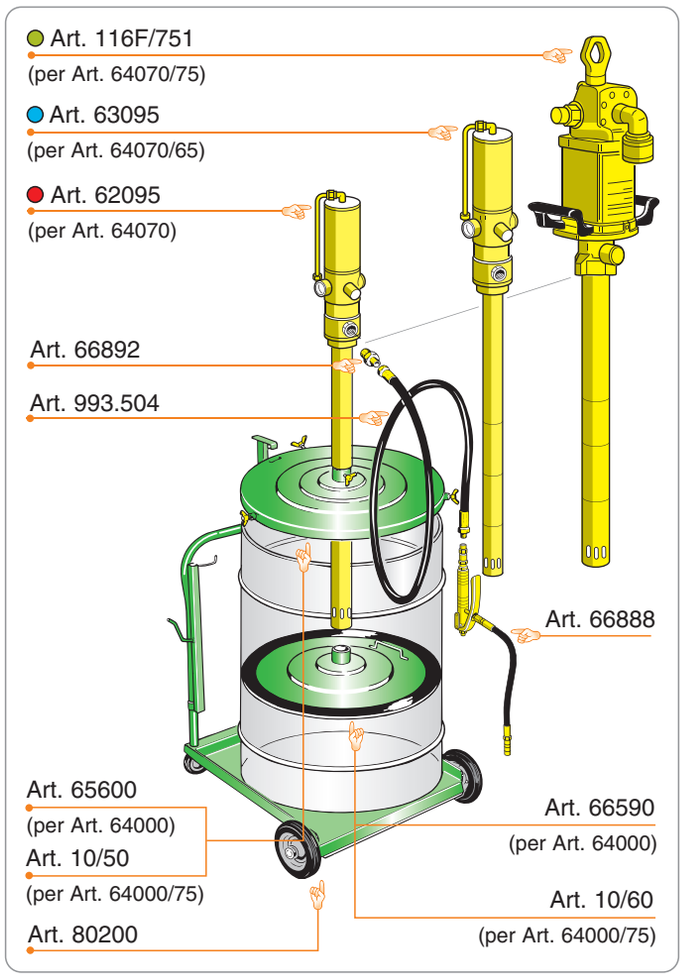
Art. 64070/65
Piattaforma come Art 64070, ma con:
Art. 63095 pompa R 65:1 - 1900 g/min
N° 3 packing m^3 0,120 Kg 65,7

Art. 64070/75
Piattaforma come Art 64070, ma con:

- Art. 116F/751 pompa R 75:1 - 4400 g/min
- Art. 66893 nipple 1/2" x 1/4" G M/M
- Art. 10/50 coprifusto ø 600 mm
- Art. 10/60 membrana ø 585 mm

N° 3 packing m^3 0,170 Kg 79,7

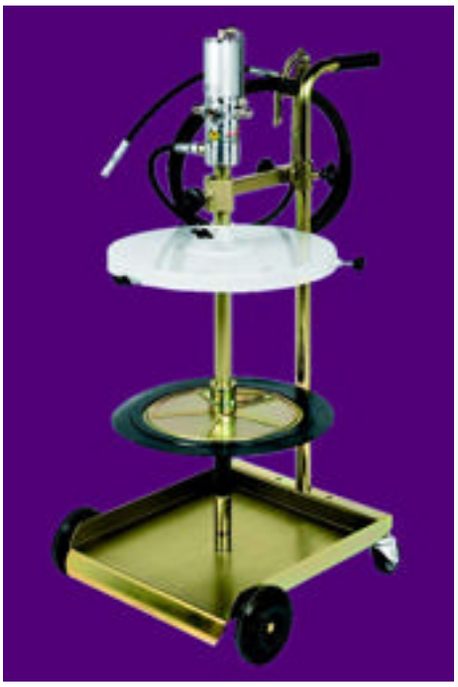


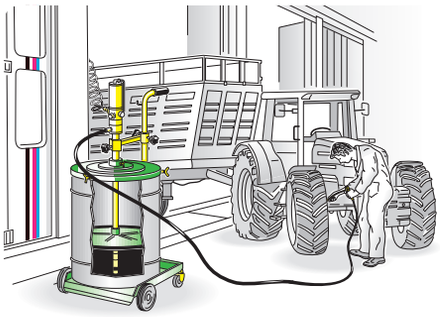


Grease pump for drums 50 - 60 Kg

Kit pour graissage pour tonnes 50 - 60 Kg

Kit per grassaggio per fusti 50 - 60 Kg





Art. 64064	(R 50:1 - 1500 g/min)
Art. 64064/65	(R 65:1 - 1900 g/min)
Art. 64063	(R 50:1 - 1500 g/min)

Trolley grease pump. The ideal combination for dispensing grease in any workplace.
In addition to serving as a support for the pump, the grease pump
The trolley is equipped with 2 fixed and 2 castor wheels, it is very easy to handle. It is structured to take various size containers.

Kit rouleur pour la distribution de graisse. C'est la combinaison idéale pour la distribution de graisse dans n'importe quelle ambiance de travail.
Le chariot (Art. 80050), de dimensions contenues, est équipé de deux roues fixes et de deux roues pivotantes qui le rendent très maniable.
Il est pourvu de support pour pompe et il est adapté pour soutenir des conteneurs de petites/moyennes dimensions.

Kit carrellati per la distribuzione del grasso. E' la combinazione ideale per la distribuzione del grasso in qualsiasi ambiente di lavoro.
Il carrello (Art. 80050), di dimensioni contenute, è equipaggiato con 2 ruote fisse e 2 ruote piroettanti che lo rendono assai maneggevole.
E' dotato di supporto per pompa ed è adatto a sostenere contenitori di piccole-medie dimensioni.

Art. 64064

Trolley grease pump for 50/60 kg drums with outside Ø from 370 to 420 mm, composed of:

- **Art. 62074** **pump R 50:1 - 1500 g/min**
- **Art. 80050** **trolley**
- **Art. 66892** **nipples 1/4" x 3/8" G M/M**
- **Art. 993.504** **delivery hose 1/4" - 4 m**
- **Art. 66888** **gun with straight swivel**
- **Art. 65420** **drum cover ø 420 mm**
- **Art. 66400** **follower plate ø 400 mm**

N° 3 packing **m^3 0,059** **Kg 22,4**

Art. 64064
Kit distribution graisse, rouleur, pour tonnes de 50 - 60 Kg avec ø externe 370 - 420 mm, composé de:

- *Art. 62074* *pompe R 50:1 - 1500 g/min*
- *Art. 80050* *chariot*
- *Art. 66892* *nipple 1/4" x 3/8" G M/M*
- *Art. 993.504* *tuyau 1/4" - 4 m*
- *Art. 66888* *pistolet avec articulation simple*
- *Art. 65420* *couvre tonne ø 420 mm*
- *Art. 66400* *membrane ø 400 mm*

N° 3 packing *m^3 0,059* *Kg 22,4*

Art. 64064
Kit distribuzione grasso, carrellato, per fusti da 50 - 60 Kg con ø esterno 370 - 420 mm, composto da:

- Art. 62074 pompa R 50:1 - 1500 g/min
- Art. 80050 carrello
- Art. 66892 nipple 1/4" x 3/8" G M/M
- Art. 993.504 tubo 1/4" - 4 m
- Art. 66888 pistola con snodo singolo
- Art. 65420 coprifusto ø 420 mm
- Art. 66400 membrana ø 400 mm

N° 3 packing m^3 0,059 Kg 22,4

Art. 64064/65
Trolley grease pump for 50/60 kg drums with outside Ø from 370 to 420 mm, composed of:

- **Art. 63074** **pump R 65:1 - 1900 g/min**
- **Art. 80050** **trolley**
- **Art. 66892** **nipples 1/4" x 3/8" G M/M**
- **Art. 993.504** **delivery hose 1/4" - 4 m**
- **Art. 66888** **gun with straight swivel**
- **Art. 65420** **drum cover ø 420 mm**
- **Art. 66400** **follower plate ø 400 mm**

N° 3 packing **m^3 0,059** **Kg 23**

Art. 64064/65
Kit distribution graisse, rouleur, pour tonnes de 50 - 60 Kg avec ø externe 370 - 420 mm, composé de:

- *Art. 63074* *pompe R 65:1 - 1900 g/min*
- *Art. 80050* *chariot*
- *Art. 66892* *nipple 1/4" x 3/8" G M/M*
- *Art. 993.504* *tuyau 1/4" - 4 m*
- *Art. 66888* *pistolet avec articulation simple*
- *Art. 65420* *couvre tonne ø 420 mm*
- *Art. 66400* *membrane ø 400 mm*

N° 3 packing *m^3 0,059* *Kg 23*

Art. 64064/65
Kit distribuzione grasso, carrellato, per fusti da 50 - 60 Kg con ø esterno 370 - 420 mm, composto da:

- Art. 63074 pompa R 65:1 - 1900 g/min
- Art. 80050 carrello
- Art. 66892 nipple 1/4" x 3/8" G M/M
- Art. 993.504 tubo 1/4" - 4 m
- Art. 66888 pistola con snodo singolo
- Art. 65420 coprifusto ø 420 mm
- Art. 66400 membrana ø 400 mm

N° 3 packing m^3 0,059 Kg 23

Art. 64063
Grease pump for 50/60 kg drums with outside Ø from 370 to 420 mm, same as 64064 but without follower plate.
N° 3 packing **m^3 0,059** **Kg 19,5**

Art. 64063
Kit distribution graisse, rouleur, pour tonnes de 50 - 60 Kg avec ø externe de 370 - 420 mm, composé comme Art. 64064 mais sans membrane
N° 3 packing *m^3 0,059* *Kg 19,5*

Art. 64063
Kit distribuzione grasso, carrellato, per fusti da 50 - 60 Kg con ø esterno da 370 - 420 mm, composto come Art. 64064 ma senza membrana
N° 3 packing m^3 0,059 Kg 19,5

Art. 64041
Trolley grease pump for 50/60 kg drums with outside Ø from 370 to 420 mm, composed of:
- **Art. 62074** **pump R 50:1 - 1500 g/min**
- **Art. 80035** **trolley**
- **Art. 66892** **nipples 1/4" x 3/8"G M/M**
- **Art. 993.504** **delivery hose 1/4" - 4 m**
- **Art. 66888** **gun with straight swivel**
- **Art. 65420** **drum cover ø 420 mm**
- **Art. 66400** **follower plate ø 400 mm**

N° 3 packing **m^3 0,048** **Kg 21**

Art. 64041
Kit distribution graisse, rouleur, pour tonnes de 50 - 60 Kg avec ø externe 370 - 420 mm, composé de:
- *Art. 62074* *pompe R 50:1 - 1500 g/min*
- *Art. 80035* *chariot*
- *Art. 66892* *nipple 1/4" x 3/8"G M/M*
- *Art. 993.504* *tuyau 1/4" - 4 m*
- *Art. 66888* *pistolet avec articulation simple*
- *Art. 65420* *couvre tonne ø 420 mm*
- *Art. 66400* *membrane ø 400 mm*

N° 3 packing *m^3 0,048* *Kg 21*

Art. 64041
Kit distribuzione grasso, carrellato, per fusti da 50 - 60 Kg con ø esterno 370 - 420 mm, composto da:
- Art. 62074 pompa R 50:1 - 1500 g/min
- Art. 80035 carrello
- Art. 66892 nipple 1/4" x 3/8"G M/M
- Art. 993.504 tubo 1/4" - 4 m
- Art. 66888 pistola con snodo singolo
- Art. 65420 coprifusto ø 420 mm
- Art. 66400 membrana ø 400 mm

N° 3 packing m^3 0,048 Kg 21

Art. 64041/65

Trolley grease pump for 50/60 kg drums with outside Ø from 370 to 420 mm, composed of:

- **Art. 63074** **pump R 65:1 - 1900 g/min**
- **Art. 80035** **trolley**
- **Art. 66892** **nipples 1/4" x 3/8"G M/M**
- **Art. 993.504** **delivery hose 1/4" - 4 m**
- **Art. 66888** **gun with straight swivel**
- **Art. 65420** **drum cover ø 420 mm**
- **Art. 66400** **mefollower plate ø 400 mm**

N° 3 packing **m^3 0,048** **Kg 22,5**

Art. 64041/65

Kit distribution graisse, rouleur, pour tonnes de 50 - 60 Kg avec ø externe 370 - 420 mm, composé de:

- *Art. 63074* *pompe R 65:1 - 1900 g/min*
- *Art. 80035* *chariot*
- *Art. 66892* *nipple 1/4" x 3/8"G M/M*
- *Art. 993.504* *tuyau 1/4" - 4 m*
- *Art. 66888* *pistolet avec articulation simple*
- *Art. 65420* *couvre tonne ø 420 mm*
- *Art. 66400* *membrane ø 400 mm*

N° 3 packing *m^3 0,048* *Kg 22,5*

Art. 64041/65

Kit distribuzione grasso, carrellato, per fusti da 50 - 60 Kg con ø esterno 370 - 420 mm, composto da:

- Art. 63074 pompa R 65:1 - 1900 g/min
- Art. 80035 carrello
- Art. 66892 nipple 1/4" x 3/8"G M/M
- Art. 993.504 tubo 1/4" - 4 m
- Art. 66888 pistola con snodo singolo
- Art. 65420 coprifusto ø 420 mm
- Art. 66400 membrana ø 400 mm

N° 3 packing m^3 0,048 Kg 22,5

Art. 64040

Trolley grease pump for 50/60 kg drums with outside Ø from 370 to 420 mm, same as 64041 but without follower plate.

N° 3 packing **m^3 0,048** **Kg 19**

Art. 64040

Kit distribution graisse, rouleur, pour tonnes de 50 - 60 Kg avec ø externe 370 - 420 mm, composé comme Art. 64041 mais sans membrane

N° 3 packing *m^3 0,048* *Kg 19*

Art. 64040

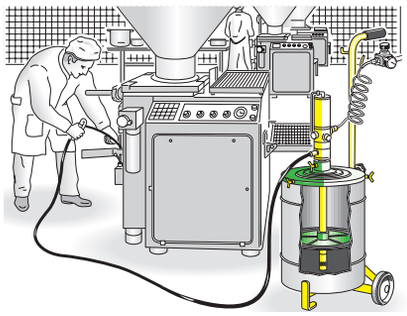
Kit distribuzione grasso, carrellato, per fusti da 50 - 60 Kg con ø esterno 370 - 420 mm, composto come Art. 64041 ma senza membrana

N° 3 packing m^3 0,048 Kg 19

Grease pump for drums 20 - 30 Kg

Kit pour graissage pour tonnes 20 - 30 Kg

Kit per grassaggio per fusti 20 - 30 Kg



Art. 64034 (R 50:1 - 1500 g/min) Art. 64036 (R 50:1 - 1500 g/min)
Art. 64035 (R 50:1 - 1500 g/min)

Trolley grease pumps. The ideal combination for dispensing grease in any workplace. The galvanized trolleys are suitable for 20-30 kg drums. Unit construction offers reduced volume for easy carrying and storing.

Art. 64035

Trolley grease pump for 20-30 kg drums with outside Ø from 300 to 350 mm composed of:

- **Art. 62048** **pump R 50:1 - 1500 g/min**
- **Art. 80035** **trolley**
- **Art. 66892** **nipples 1/4" x 3/8"G M/M**
- **Art. 993.504** **delivery hose 1/4" - 4 m**
- **Art. 66888** **gun with straight swivel**
- **Art. 65350** **drum cover ø 350 mm**
- **Art. 66340** **follower plate ø 340 mm**

N° 3 packing **m^3 0,040** **Kg 17,5**

Art. 64034

Trolley grease pump for 23-30 kg drums with outside Ø from 300 to 350 mm, same as 64035 but without follower plate.

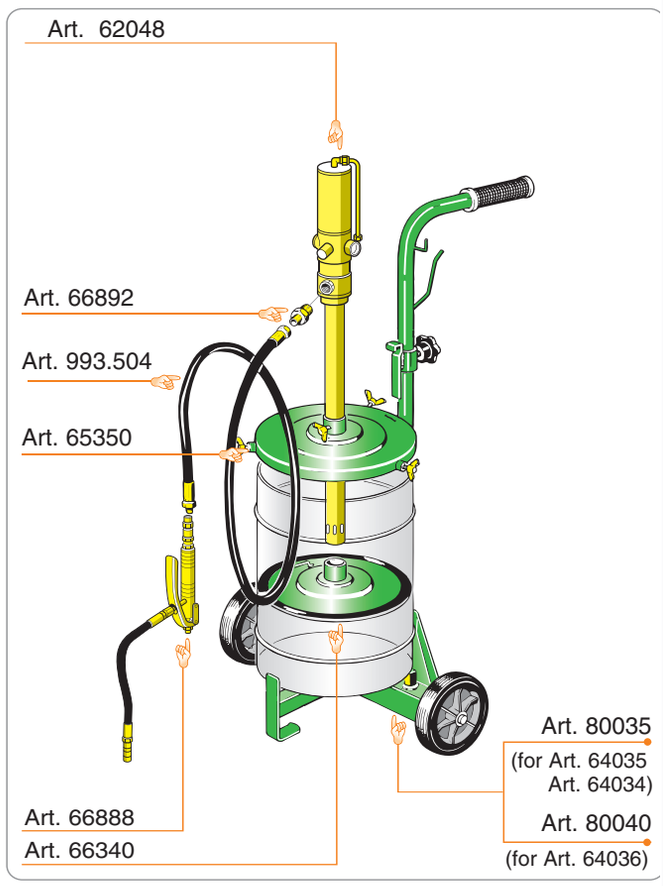
N° 3 packing **m^3 0,040** **Kg 15,9**

Art. 64036

Trolley grease pump for 20-30 kg drums with outside Ø from 300 to 350 mm composed of:

- **Art. 62048** **pump R 50:1 - 1500 g/min**
- **Art. 80040** **trolley**
- **Art. 66892** **nipples 1/4" x 3/8"G M/M**
- **Art. 993.504** **delivery hose 1/4" - 4 m**
- **Art. 66888** **gun with straight swivel**
- **Art. 65350** **drum cover ø 350 mm**
- **Art. 66340** **follower plate ø 340 mm**

N° 3 packing **m^3 0,040** **Kg 18,5**



Kits rouleurs pour la distribution de graisse. C'est la combinaison idéale pour la distribution de graisse dans n'importe quelle ambiance de travail.
En outres, les dimensions contenues les rendent très maniables et leur structure à éléments permet un emballage de dimensions réduites pour un transport et un stockage facile.

Art. 64035

Kit distribution graisse, rouleur, pour tonnes de 20 - 30 Kg avec ø externe 300 - 350 mm, composé de:

- *Art. 62048 pompe R 50:1 - 1500 g/min*
- *Art. 80035 chariot*
- *Art. 66892 nipple 1/4" x 3/8"G M/M*
- *Art. 993.504 tuyau 1/4" - 4 m*
- *Art. 66888 pistolet avec articulation simple*
- *Art. 65350 couvre tonne ø 350 mm*
- *Art. 66340 membrane ø 340 mm*

N° 3 packing *m^3 0,040* *Kg 17,5*

Art. 64034

Kit distribution graisse, rouleur, pour tonnes de 20 - 30 Kg avec ø externe 300 - 350 mm, composé comme 64035, mais sans membrane

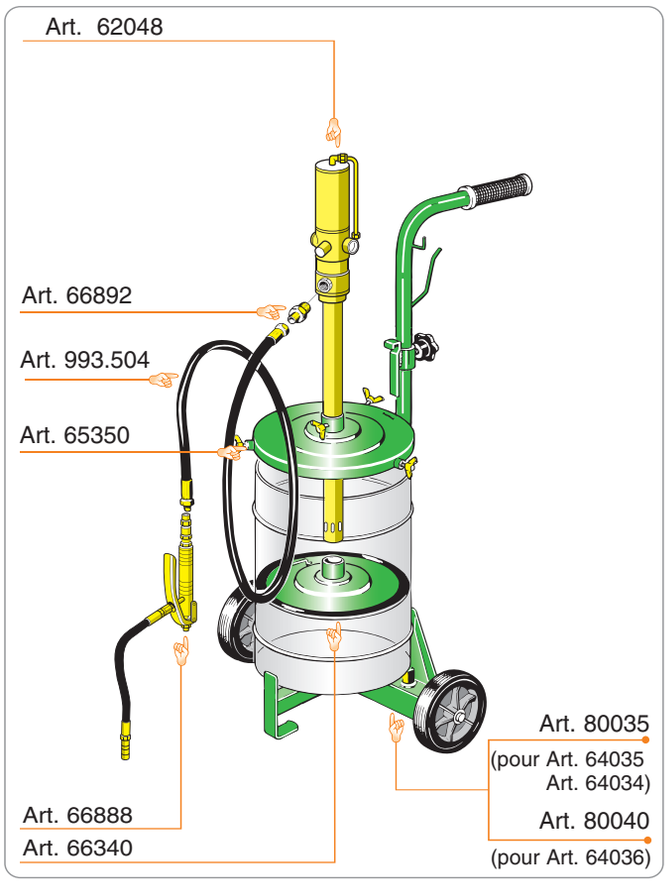
N° 3 packing *m^3 0,040* *Kg 15,9*

Art. 64036

Kit distribution graisse, rouleur, pour tonnes de 20 - 30 Kg avec ø externe 300 - 350 mm, composé de:

- *Art. 62048 pompe R 50:1 - 1500 g/min*
- *Art. 80040 chariot*
- *Art. 66892 nipple 1/4" x 3/8"G M/M*
- *Art. 993.504 tuyau 1/4" - 4 m*
- *Art. 66888 pistolet avec articulation simple*
- *Art. 65350 couvre tonne ø 350 mm*
- *Art. 66340 membrane ø 340 mm*

N° 3 packing *m^3 0,040* *Kg 18,5*



Kit carrellati per la distribuzione del grasso. È la combinazione ideale per la distribuzione del grasso in qualsiasi ambiente di lavoro. I carrelli, interamente zincati, sono adatti anche al trasporto di contenitori da 20 - 30 Kg. Inoltre, le dimensioni contenute li rendono assai maneggevoli e la loro componibilità permette un imballo di dimensioni ridotte per un facile trasporto e stoccaggio.

Art. 64035

Kit distribuzione grasso, carrellato, per fusti da 20 - 30 Kg con ø esterno 300 - 350 mm, composto da:

- Art. 62048 pompa R 50:1 - 1500 g/min
- Art. 80035 carrello
- Art. 66892 nipple 1/4" x 3/8"G M/M
- Art. 993.504 tubo 1/4" - 4 m
- Art. 66888 pistola con snodo singolo
- Art. 65350 coprifusto ø 350 mm
- Art. 66340 membrana ø 340 mm

N° 3 packing m^3 0,040 Kg 17,5

Art. 64034

Kit distribuzione grasso, carrellato, per fusti da 20 - 30 Kg con ø esterno 300 - 350 mm, composto come 64035, ma senza membrana

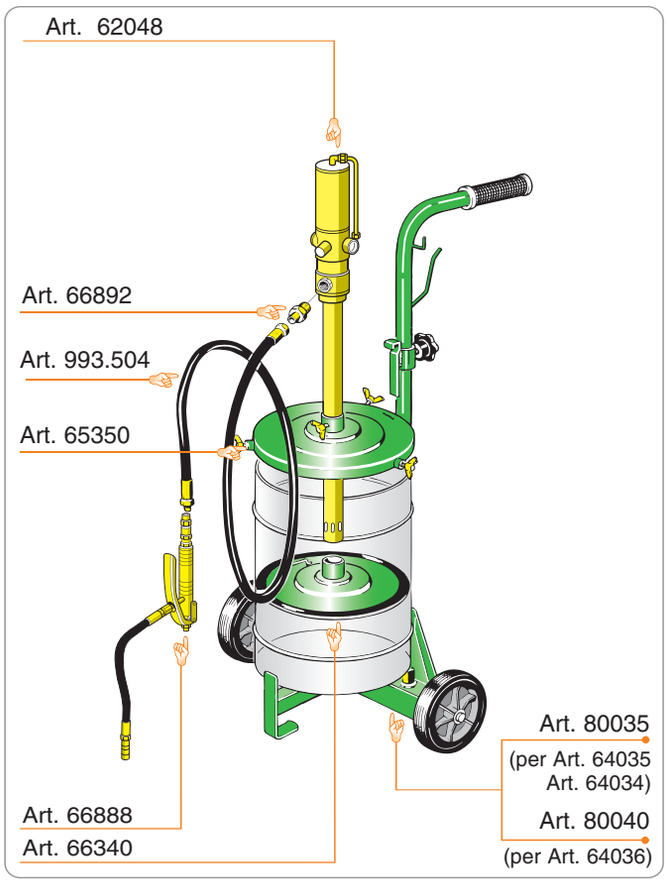
N° 3 packing m^3 0,040 Kg 15,9

Art. 64036

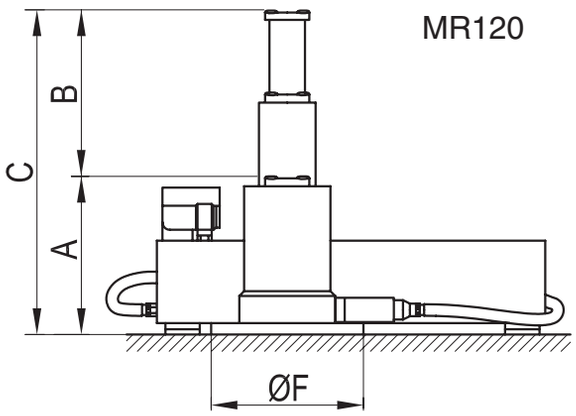
Kit distribuzione grasso, carrellato, per fusti da 20 - 30 Kg con ø esterno 300 - 350 mm, composto da:

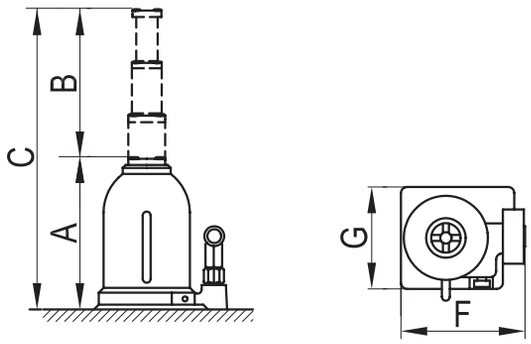
- Art. 62048 pompa R 50:1 - 1500 g/min
- Art. 80040 carrello
- Art. 66892 nipple 1/4" x 3/8"G M/M
- Art. 993.504 tubo 1/4" - 4 m
- Art. 66888 pistola con snodo singolo
- Art. 65350 coprifusto ø 350 mm
- Art. 66340 membrana ø 340 mm

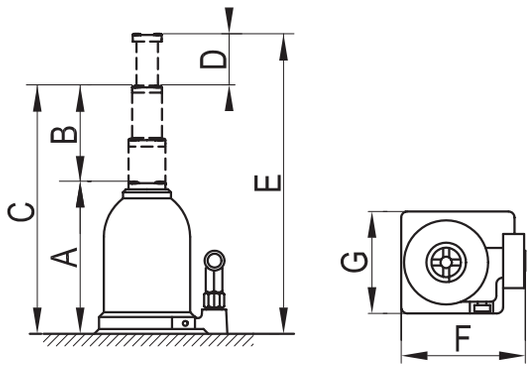
N° 3 packing m^3 0,040 Kg 18,5

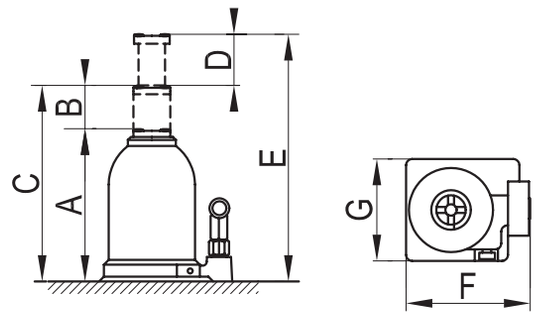


Bottle jacks
Crics bouteille
Martinetti a bottiglia









Hydraulic bottle jacks with overload valve
Crics Hydrauliques à bouteille avec soupage de surcharge
Martinetti idraulici a bottiglia con valvola limitatrice di carico

- **Hydraulic bottle jacks are used to manually lift vehicles.**
- **Lifting must take place on one side of the vehicle at one of the axis as stated by the vehicle manufacturer. Bottle jacks must be considered as lifting tools only.**
- **The weight must be immediately supported by appropriate means, such as stands.**

- *Les crics hydrauliques à bouteille sont utilisés pour le levage manuel vertical de véhicules, de manière particulière de véhicules industriels.*
- *Le levage doit être effectué sur un des côtés du véhicule et en correspondance avec un des axes comme indiqué par le constructeur du véhicule même. Le cric est seulement un outil de levage.*
- *Le poids doit pour autant être soutenu immédiatement par des moyens appropriés comme des supports.*

- I martinetti idraulici a bottiglia vengono impiegati per il sollevamento manuale verticale di autoveicoli, in particolar modo veicoli industriali.
- Il sollevamento deve essere effettuato su di un lato del veicolo ed in corrispondenza di uno degli assi come indicato dal fabbricante del veicolo stesso. Il martinetto è solamente un attrezzo di sollevamento.
- Il peso deve pertanto essere sostenuto immediatamente da mezzi appropriati quali cavalletti.

TECHNICAL FEATURES
A jack is identified by means of three main parameters which must be determined on the basis of specific features enabling to identify the most suitable jack for each specific application.

CARACTERISTIQUES TECHNIQUES
Un cric est identifié à travers trois paramètres d'utilisation fondamentaux. Ces paramètres détermineront à leur tour autant de caractéristiques fondamentales à travers lesquelles on peut individualiser le cric adapté à une utilisation déterminée.

CARATTERISTICHE TECNICHE
Un martinetto viene identificato attraverso tre parametri fondamentali di impiego. Tali parametri a loro volta vanno a determinare altrettante fondamentali caratteristiche attraverso le quali è possibile individuare il martinetto adatto per un determinato impiego.

APPLICATION PARAMETER *PARAMETRES D'UTILISATION* PARAMETRI D'IMPIEGO	**FEATURES** *CARACTERISTIQUES* CARATTERISTICHE
Maximum liftable weight *Charge maximale de levage* Carico massimo sollevabile	**Capacity in tonnes** *Portée en tonnes* Portata in tonnellate
Minimum ground height of the vehicle lifting point *Hauteur minimum du sol du point de levage du véhicule* Altezza minima da terra del punto di sollevamento dell'autoveicolo	**Minimum jack height + regulation screw travel** *Hauteur minimum du cric + la course éventuelle de la vis de réglage* Altezza minima del martinetto + l'eventuale corsa della vite di regolazione
Maximum height for a correct tyre installation on the vehicle *Hauteur maximale obtenue pour un montage correct du pneu sur le véhicule* Altezza massima ottenibile per un corretto montaggio del pneumatico sul veicolo	**Jack travel** *Course du cric* Corsa del martinetto

The combination of the above parameters and features allows to choose the correct jack.
M. Riganti manufactures three different product ranges:
a) one-piston jacks
b) two-piston jacks
c) three piston jacks

La combinaison de ces paramètres d'utilisation et des caractéristiques conséquentes permet le choix du cric approprié.
À cet effet, M. Riganti produit trois différentes gammes d'articles:
a) *Cric à un piston.*
b) *Crics à deux pistons.*
c) *Crics à trois pistons.*

La combinazione dei suddetti parametri d'impiego e delle conseguenti caratteristiche consente la scelta del martinetto appropriato.
A tale fine la M. Riganti produce tre gamme diverse di articoli:

a) martinetti ad un pistone.
b) martinetti a due pistoni.
c) martinetti a tre pistoni.

The table below summarizes the main technical features of each jack range
On reporte ci de suite un tableau récapitulatif des caractéristiques techniques fondamentales de chaque gamme de crics.
Qui di seguito viene riportata tabella riepilogativa delle caratteristiche tecniche fondamentali di ogni gamma di martinetti.

TABLE OF MAIN CHARACTERISTICS
TABLEAU CARACTERISTIQUES FONDAMENTALES
TABELLA CARATTERISTICHE FONDAMENTALI

ONE-PISTON JACKS
CRICS A 1 PISTON
MARTINETTI AD 1 PISTONE

Type *Type* Tipo	**Capacity** *Debit* Portata **Ton**	**Height** *Hauteur* Altezza **mm**	**Travel** *Course* Corsa **mm**	**Screw travel** *Course vis* Corsa vite **mm**	**Weight** *Poids* Peso **Kg**
MR 12	1,5	181	115	50	2,7
MR 13	3	204	126	60	3,8
MR 15	5	210	145	90	5,1
MR 15A	5	273	200	90	6,9
MR 18	8	230	157	90	6,2
MR 16	10	230	157	70	6,8
MR 16A	10	294	214	70	10,4
MR 19F	12	230	153	70	9,1
MR 19	15	225	145	70	10,2
MR 19B	15	155	65	45	7,0
MR 11	20	248	159	80	12,0
MR 11B	20	165	80	45	9,0
MR 17F	25	240	152	85	17,3
MR 17	30	270	175	85	19,3
MR 17B	30	170	75	30	12,5
MR 10	50	270	160	-	41,0

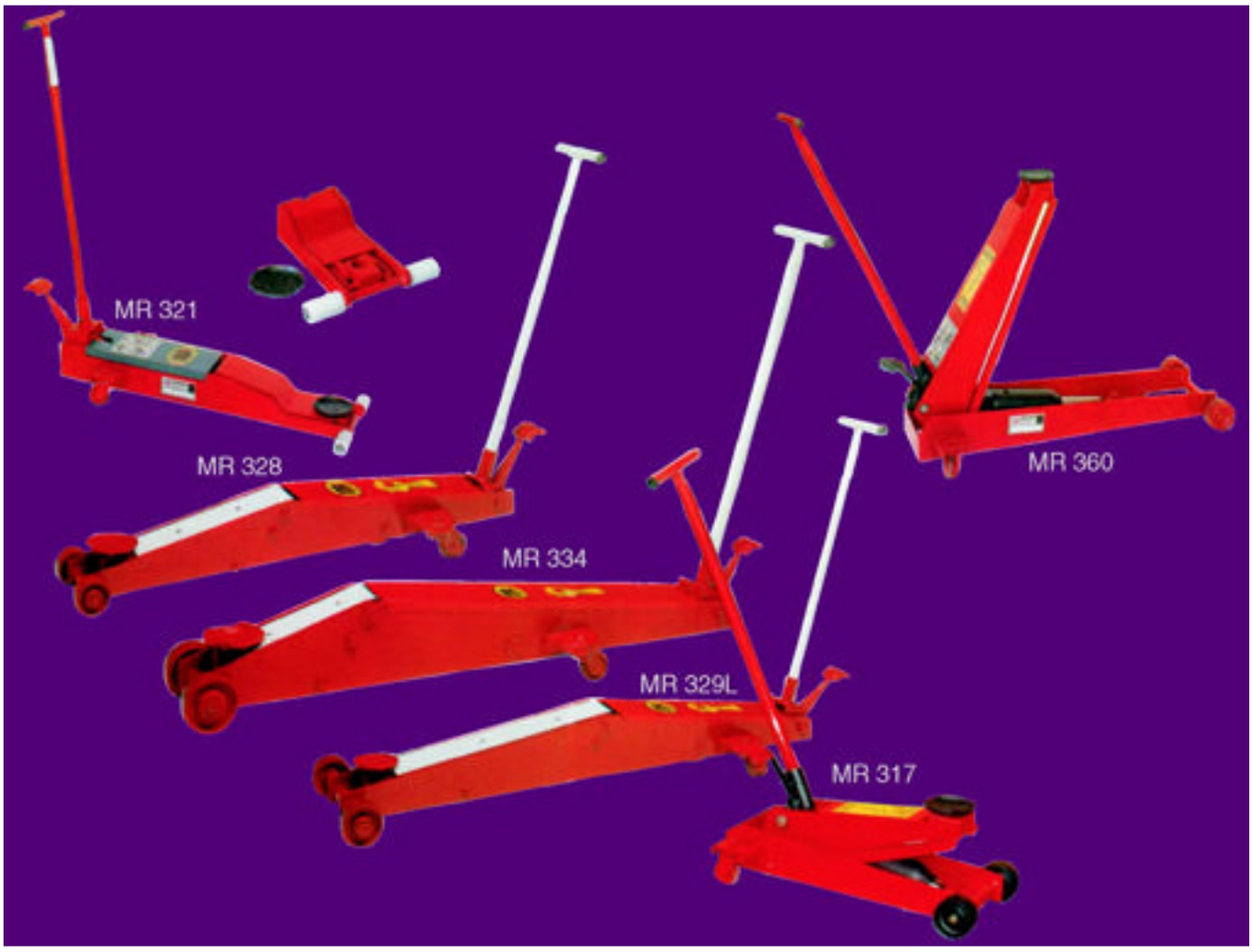
TWO-PISTON JACKS
CRICS A 2 PISTONS
MARTINETTI A 2 PISTONI

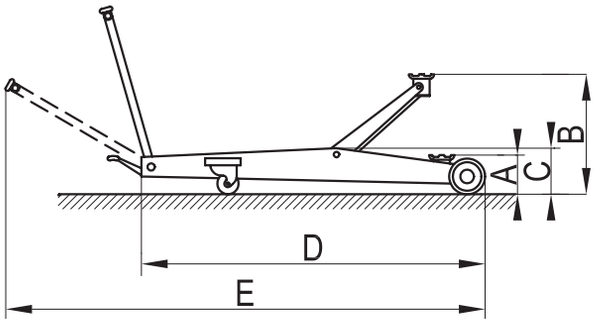
Type *Type* Tipo	**Capacity** *Debit* Portata **Ton**	**Height** *Hauteur* Altezza **mm**	**Travel** *Course* Corsa **mm**	**Screw travel** *Course vis* Corsa vite **mm**	**Weight** *Poids* Peso **Kg**
MR 1A	3,5	145	175	65	5,2
MR 5	5	215	305	-	9,6
MR 8	15	165	169	-	16,2
MR 4	9	200	265	70	10,3
MR 7	12	245	330	-	16,0
MR 9	20	250	268	-	25,2

THREE-PISTON JACKS
CRICS A 3 PISTONS
MARTINETTI A 3 PISTONI

Type *Type* Tipo	**Capacity** *Debit* Portata **Ton**	**Height** *Hauteur* Altezza **mm**	**Travel** *Course* Corsa **mm**	**Screw travel** *Course vis* Corsa vite **mm**	**Weight** *Poids* Peso **Kg**
MR 6	9	210	350	_	19

Trolley jacks
Crics rouleurs
Martinetti a carrello





Hydraulic trolley jacks with overload valve
Crics hydrauliques rouleur avec suopape de surcharge
Martinetti idraulici a carrello con valvola limitatrice di carico

- **A trolley jack is an equipment installed on a frame provided with wheels and a handle to position it under the vehicle and lift it**
- **Hydraulic trolley jacks are used to manually lift generic and industrial vehicles.**
- **Lifting must take place on one side of the vehicle at one of the axis as stated by the vehicle manufacturer. Trolley jacks must be considered as lifting tools only.**
- **The weight must be immediately supported by appropriate means, such as stands.**

- *Le cric rouleur est un équipement monté sur un bâti, doté de roues pour sa mise en mouvement et d'un manche adapté à le positionner sous le véhicule et à effectuer la manœuvre de levage.*
- *Les crics hydrauliques rouleurs sont utilisés pour le levage manuel vertical de véhicule industriels.*
- *Le levage doit être effectué sur un des côtés du véhicule et en correspondance avec un des points dédiés à cet effet et indiqués par le constructeur du véhicule même, antérieurement ou postérieurement en correspondance des points indiqués par le constructeur ou de ceux de rigidité maximum caractéristiques à chaque type de véhicule.*
- *Le cric est seulement un outil de levage. Le poids doit pour autant être soutenu immédiatement par des moyens appropriés comme des supports.*

- Il martinetto a carrello è un'attrezzatura montata su di un telaio, fornito di ruote per la sua movimentazione e di una maniglia atta a posizionarlo sotto il veicolo nonché ad effettuare la manovra di sollevamento.
- I martinetti idraulici a carrello vengono impiegati per il sollevamento manuale verticale di autoveicoli e di veicoli industriali.
- Il sollevamento deve essere effettuato su di un lato del veicolo in corrispondenza di uno dei punti dedicati allo scopo ed indicati dal fabbricante del veicolo stesso, anteriormente e posteriormente in corrispondenza o dei punti indicati dal fabbricante o di quelli di massima rigidità caratteristici di ogni tipo di veicolo.
- Il martinetto è solamente un attrezzo di sollevamento. Il peso deve pertanto essere sostenuto immediatamente da mezzi appropriati quali cavalletti.

TECHNICAL FEATURES
A jack is identified by means of three main parameters which must be determined on the basis of specific features enabling to identify the most suitable jack for each specific application.

CARACTERISTIQUES TECHNIQUES
Un cric est identifié à travers trois paramètres d'utilisation fondamentaux. Ces paramètres détermineront à leur tour autant de caractéristiques fondamentales à travers lesquelles on peut individualiser le cric adapté à une utilisation déterminée.

CARATTERISTICHE TECNICHE
Un martinetto viene identificato attraverso tre parametri fondamentali di impiego. Tali parametri a loro volta vanno a determinare altrettante fondamentali caratteristiche attraverso le quali è possibile individuare il martinetto adatto per un determinato impiego.

APPLICATION PARAMETER *PARAMETRES D'UTILISATION* PARAMETRI D'IMPIEGO	**FEATURES** *CARACTERISTIQUES* CARATTERISTICHE
Maximum liftable weight *Charge maximale de levage* Carico massimo sollevabile	**Capacity in tonnes** *Portée en tonnes* Portata in tonnellate
Minimum ground height of the vehicle lifting point *Hauteur minimum du sol du point de levage du véhicule* Altezza minima da terra del punto di sollevamento dell'autoveicolo	**Minimum load plate height** *Hauteur minimale du sol du plateau d'appui* Altezza minima da terra del piattello di appoggio
Maximum height for a correct lifting *Hauteur maximale atteignable pour un levage correct* Altezza massima ottenibile per un corretto sollevamento	**Maximum lifting arm height** *Hauteur maximale du bras de levage* Altezza massima del braccio di sollevamento

The combination of the above parameters and features allows to choose the correct jack.
M. Riganti manufactures three different product ranges:
a) trolley jacks – short series
b) trolley jacks – normal series
c) trolley jacks – large lifted series

La combinaison de ces paramètres d'utilisation et des caractéristiques conséquentes permet le choix du cric approprié
À cet effet, M. Riganti produit trois différentes gammes d'articles:
a) Crics rouleurs série courte
b) Crics rouleurs série normale
c) Crics rouleurs série grande rehaussée

La combinazione dei suddetti parametri d'impiego e delle conseguenti caratteristiche consente la scelta del martinetto appropriato.
A tale fine la M. Riganti produce tre gamme diverse di articoli:
a) martinetti a carrello serie corta
b) martinetti a carrello serie normale
c) martinetti a carrello serie grande alzata

TECHNICAL FEATURES
TABLEAU CARACTERISTIQUES FONDAMENTALES
TABELLA CARATTERISTICHE FONDAMENTALI

SHORT SERIES *
*CRICS SERIE COURTE **
MARTINETTI SERIE CORTA *

Type *Type* Tipo **MR**	**Capacity** *Débit* Portata **Kg**	**Folded jack height** *Hauteur fermé* Altezza chiuso **mm** **(A)**	**Open Jack height** *Hauteur ouvert* Altezza aperto **mm** **(B)**	**Frame height** *Hauteur bâti* Altezza telaio **mm** **(C)**	**Trolley length** *Longueur chariot* Lungh. Carrello **mm** **(D)**	**Lowered handle length** *Long. Manche baissé* Lungh. Maniglia abbassata **mm** **(E)**	**Max. width** *Largeur max* Largh. Max **mm**	**Weight** *Poids* Peso **Kg**
350	800	95	410	120	580	1040	280	14
317	1500	125	510	160	660	1270	345	28
318	2000	125	510	160	660	1270	345	30
360	2000	125	790	180	940	1720	355	54

*** Short series with quick lift pedal**
** Série courte avec pédale d'approche rapide*
* Serie corta con pedale di avvicinamento rapido

NORMAL SERIES
CRICS SERIE NORMALE
MARTINETTI SERIE NORMALE

Type *Type* Tipo **MR**	**Capacity** *Débit* Portata **Kg**	**Folded jack height** *Hauteur fermé* Altezza chiuso **mm** **(A)**	**Open Jack height** *Hauteur ouvert* Altezza aperto **mm** **(B)**	**Frame height** *Hauteur bâti* Altezza telaio **mm** **(C)**	**Trolley length** *Longueur chariot* Lungh. Carrello **mm** **(D)**	**Lowered handle length** *Long. Manche baissé* Lungh. Maniglia abbassata **mm** **(E)**	**Max. width** *Largeur max* Largh. Max **mm**	**Weight** *Poids* Peso **Kg**
321	1500	45	400	125	900	1700	330	43
329	1500	130	600	180	1130	1960	320	45

NORMAL SERIES
CRICS SERIE NORMALE
MARTINETTI SERIE NORMALE

Type *Type* Tipo **MR**	**Capacity** *Débit* Portata **Kg**	**Folded jack height** *Hauteur fermé* Altezza chiuso **mm** **(A)**	**Open Jack height** *Hauteur ouvert* Altezza aperto **mm** **(B)**	**Frame height** *Hauteur bâti* Altezza telaio **mm** **(C)**	**Trolley length** *Longueur chariot* Lungh. Carrello **mm** **(D)**	**Lowered handle length** *Long. Manche baissé* Lungh. Maniglia abbassata **mm** **(E)**	**Max. width** *Largeur max* Largh. Max **mm**	**Weight** *Poids* Peso **Kg**
327	2000	130	600	180	1130	1960	320	47
328	2500	130	600	180	1130	1960	320	51
330	3000	130	600	180	1130	1960	320	53
331	5000	165	600	210	1375	2355	420	82
333	10000	200	575	260	1610	2640	455	115
334	15000	210	630	290	1990	3040	455	158
335	15000	210	630	290	2960	3920	455	216
336	20000	240	650	320	2000	3030	490	224

LARGE LIFTED SERIES
CRICS SERIE LONGUE
MARTINETTI SERIE LUNGA

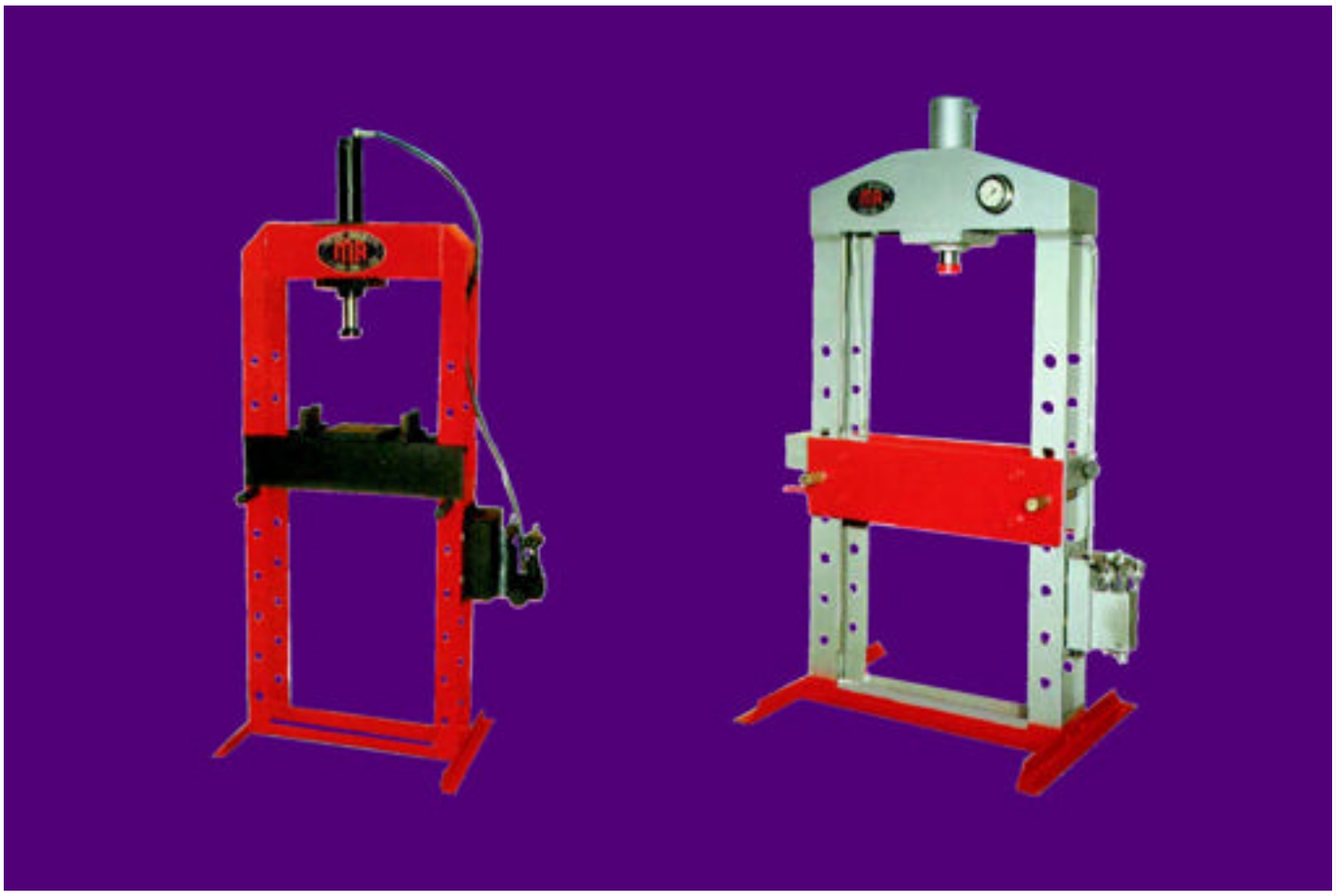
Type *Type* Tipo **MR**	**Capacity** *Débit* Portata **Kg**	**Folded jack height** *Hauteur fermé* Altezza chiuso **mm** **(A)**	**Open Jack height** *Hauteur ouvert* Altezza aperto **mm** **(B)**	**Frame height** *Hauteur bâti* Altezza telaio **mm** **(C)**	**Trolley length** *Longueur chariot* Lungh. Carrello **mm** **(D)**	**Lowered handle length** *Long. Manche baissé* Lungh. Maniglia abbassata **mm** **(E)**	**Max. width** *Largeur max* Largh. Max **mm**	**Weight** *Poids* Peso **Kg**
329L	1500	140	800	195	1505	2480	400	64
330L	3000	160	850	220	1530	2380	460	87

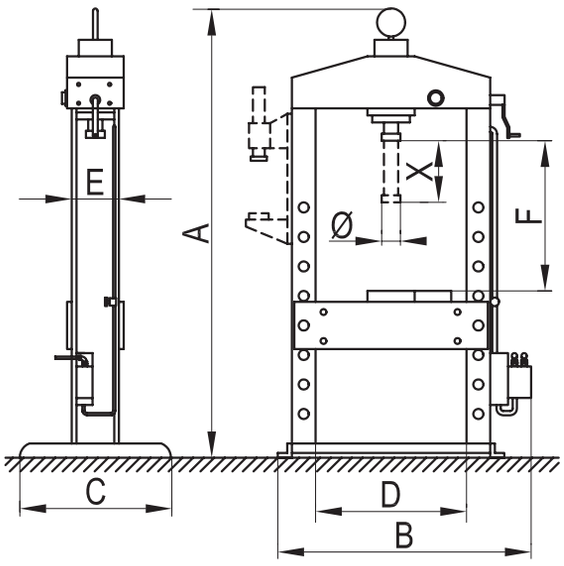
All our jacks are manufactured with overload valve, to ensure top safety.

Nos crics sont tous construits avec clapet limiteur de charge, de manière à garantir la sécurité maximale de l'utilisateur.

I nostri martinetti sono tutti costruiti con valvola limitatrice di carico, in modo da garantire la massima sicurezza per l'utilizzatore.

Hydraulic presses
Presses hydrauliques
Presse idrauliche





Hydraulic presses, with manual and electrohydraulic gear box with overload valve
Presses hydrauliques á commande manuelle et centrale electrohydraulique avec soupape de sûrété
Presse idrauliche comando manuale e centralina elettroidraulica valvola di sicurezza

M. RIGANTI's hydraulic presses are designed for straightening, bending and drawing applications in garages, for assembling and disassembling forced couplings, assembling/disassembling engine parts, gears etc…

Les presses hydrauliques de M. Riganti S.r.l. sont utilisées dans différents ateliers pour des travaux de redressement, de pliage et d'emboutissage, pour les montages/démontages d'accouplements forcés, pour les montages/ démontages de parties de moteurs, changements, etc

Le presse idrauliche della M. RIGANTI S.r.l. vengono impiegate nelle varie officine per lavori di raddrizzatura, piegatura ed imbutitura, per montaggi/ smontaggi di accoppiamenti forzati, per montaggi/ smontaggi di parti di motori, cambi ecc..

TECHNICAL FEATURES
A hydraulic press is identified by means of two main parameters: maximum applicable load and working travel. These parameters identify the relevant features to choose the correct press.

CARACTERISTIQUES TECHNIQUES
Une presse hydraulique est identifiée à travers deux paramètres d'utilisation fondamentaux : charge maximale d'exercice et Course de travail. À travers ces paramètres, on individualise les caractéristiques correspondantes et déterminantes pour le choix de la presse.

CARATTERISTICHE TECNICHE
Una pressa idraulica viene identificata attraverso due parametri fondamentali di impiego: Carico massimo esercitabile e Corsa di lavoro. Attraverso tali parametri vengono individuate le corrispondenti caratteristiche determinante ai fini della scelta della pressa.

APPLICATION PARAMETER *PARAMETRES D'UTILISATION* PARAMETRI D'IMPIEGO	**FEATURES** *CARACTERISTIQUES* CARATTERISTICHE
Maximum applicable load *Charge maximale d'exercice* Carico massimo esercitabile	**Maximum strength in tonnes** *Force maximale en tonnes* Forza massima in tonnellate
Working travel *Course de travail* Corsa di lavoro	**CHydraulic piston travel** *Course hydraulique du piston* Corsa idraulica del pistone

- **The combination of the above parameters and features allows to choose the most suitable press.**
- **M. RIGANTI S.r.l. manufactures different press types depending on the maximum working strength.**

- *La combinaison de ces paramètres d'utilisation et des caractéristiques conséquentes permet le choix de la presse appropriée.*
- *À cet effet, M. Riganti produit différents type de machines en fonction de la force maximum de travail.*

- La combinazione dei suddetti parametri d'impiego e delle conseguenti caratteristiche consente la scelta della pressa appropriata.
- La M. RIGANTI S.r.l. produce diversi tipi di macchine a seconda della forza massima di lavoro.

The table below summarizes the main technical features of each hydraulic press.

On reporte ci de suite un tableau récapitulatif des caractéristiques techniques fondamentales de chaque presse hydraulique.

Qui di seguito viene riportata tabella riepilogativa delle caratteristiche tecniche fondamentali di ogni pressa idraulica.

TECHNICAL FEATURES
TABLEAU CARACTERISTIQUES FONDAMENTALES
TABELLA CARATTERISTICHE GENERALI

HAND-CONTROLLED HYDRAULIC PRESSES
PRESSE HYDRAULIQUE AVEC COMMANDE MANUELLE
PRESSE IDRAULICHE CON COMANDO MANUALE

Type *Type* Tipo	**Capacity** *Debit* Port. **Ton**	**A** **mm**	**B** **mm**	**C** **mm**	**D** **mm**	**E** **mm**	**F** **mm**	**Piston** *Piston* Pistone **Ø mm**	**Travel (x)** *Course (x)* Corsa (x) **mm**	**Weight** *Poids* Peso **Kg**
MR 209 MR 210	10	1300	860	500	550	125	550	35	180	100
MR 211 MR 212	10	1900	870	500	550	125	1100	35	180	115
MR 214 MR 215	15	1900	930	500	570	150	1100	40	180	145
MR 221 MR 222	20	2000	1000	500	620	150	1150	45	180	157
MR 223	30	2100	1200	650	700	180	1150	50	200	250
MR 231	50	2300	1300	750	800	180	1100	60	200	385
MR 250	100	2400	1530	850	1000	270	1280	100	200	865

TWO-SPEED OIL-HYDRAULIC MOTORIZED PRESSES WITH AUTOMATIC TRANSMISSION
PRESSES OLEODYNAMIQUES MOTORISEES A DEUX VITESSES AVEC CHANGEMENT AUTOMATIQUE
PRESSE OLEODINAMICHE MOTORIZZATE A DUE VELOCITA' CON SCAMBIO AUTOMATICO

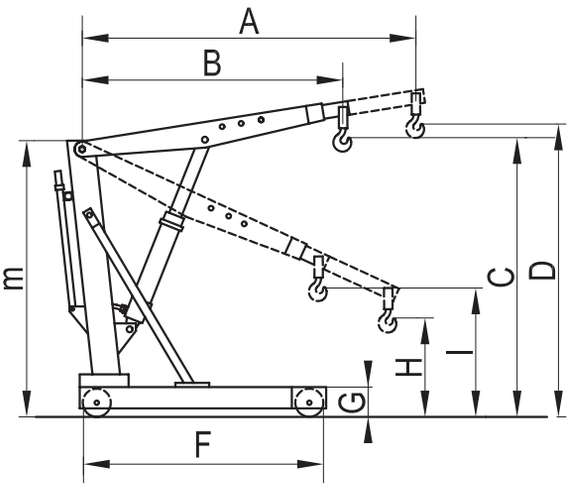
Type *Type* Tipo	**Capacity** *Debit* Port. **Ton**	**A** **mm**	**B** **mm**	**C** **mm**	**D** **mm**	**E** **mm**	**F** **mm**	**Piston** *Piston* Pistone **Ø mm**	**Travel (x)** *Course (x)* Corsa (x) **Ø mm**	**Speed** *Vitesse* Velocità **mm/sec**		**Power** *Puissance* Potenza **CV**	**Weight** *Poids* Peso **Kg**
										quick *rapide* rapido	**work** *travail* lavoro		
MR 211C	10	1900	1090	500	550		125	1100	35	280	30	3	2
MR 220C	20	2000	1200	500	620	150	1150	45	280	30	3	2	157
MR 223C	30	2100	1300	650	700	180	1150	50	280	30	3	2	250
MR 231C	50	2300	1420	750	800	180	1100	60	300	30	3	3	385
MR 250C	100	2400	1580	850	1000	270	1280	100	300	30	3	3	865

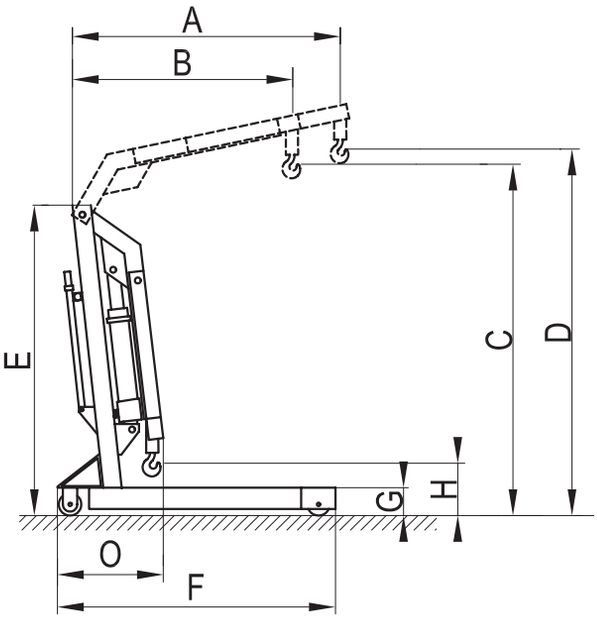
All our presses are manufactured with overload valve, to ensure top safety.

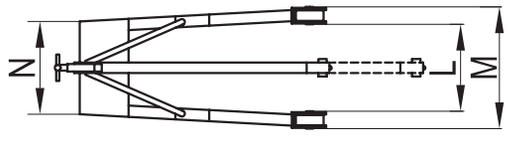
Nos presses sont toutes construites avec clapet limiteur de charge, de manière à garantir la sécurité maximale de l'utilisateur.

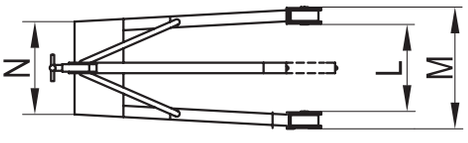
Le nostre presse sono tutte costruite con valvola limitatrice di carico, in modo da garantire la massima sicurezza per l'utilizzatore.

Hydraulic cranes
Grues hydrauliques
Gru idrauliche









Dismontable and folding hydraulic cranes with safety valve
Grues hydrauliques démontables et pliantes avec soupape de sûrété
Gru idrauliche smontabili e pieghevoli con valvola di sicurezza

TECHNICAL FEATURES
TABLEAU CARACTERISTIQUES FONDAMENTALES
TABELLA CARATTERISTICHE FONDAMENTALI

Type *Type* Tipo	**Capacity** *Capacites* Capacità				**Size** *Dimensions* Dimensioni													
	P.1 **Kg**	**P.2** **Kg**	**P.3** **Kg**	**P.4** **Kg**	**A** **mm**	**B** **mm**	**C** **mm**	**D** **mm**	**E** **mm**	**F** **mm**	**G** **mm**	**H** **mm**	**I** **mm**	**L** **mm**	**M** **mm**	**N** **mm**	**O** **mm**	**Weight** *Poids* Peso **Kg**
MR 600 DE	500	350	250	150	1300	1000	2150	2350	1630	1300	160	520	730	780	900	650	-	65
MR 600E SE	500	350	250	150	1300	1000	2150	2350	1630	1300	160	520	730	780	900	650	-	65
MR 602 DE	1000	800	500	300	1550	1250	2600	2750	1750	1550	170	680	800	920	1020	750	-	99
MR 602E SE	1000	800	500	300	1550	1250	2600	2750	1750	1550	170	620	800	920	1020	750	-	99
MR 603 DE	1500	1200	800	500	1850	1400	2820	3200	1840	1690	200	430	720	880	1020	1000	-	181
MR 604 DE	2000	1500	1000	600	1970	1520	2930	3270	2000	1640	220	520	800	980	120	1100	-	220
MR 605P DE	500	350	250	150	1230	940	1940	2070	1630	1540	140	470	-	720	830	440	340	80
MR 601P SE	500	350	250	150	1230	940	1940	2070	1630	1540	140	470	-	720	830	440	340	80
MR 602P DE	1000	800	500	300	1380	1080	2220	2400	1650	1560	165	360	-	870	980	550	370	110
MR 606P SE	1000	800	500	300	1380	1080	2220	400	1650	1560	165	360	-	870	980	550	370	110

All our cranes are manufactured with overload valve, to ensure top safety.

Nos grues sont toutes construites avec clapet limiteur de charge, de manière à garantir la sécurité maximale de l'utilisateur.

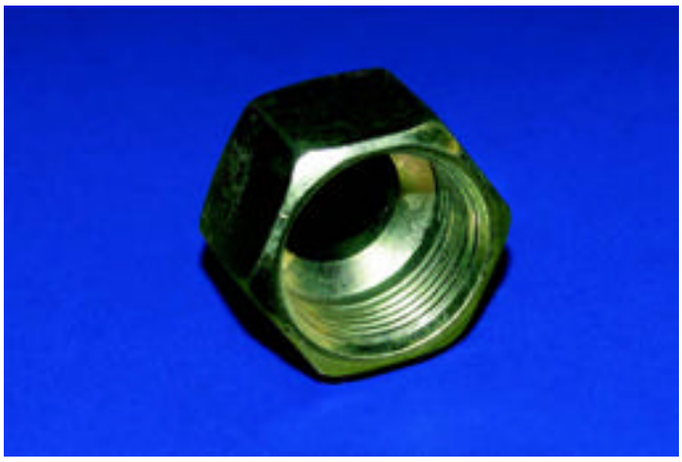
Le nostre gru sono tutte costruite con valvola limitatrice di carico, in modo da garantire la massima sicurezza per l'utilizzatore.

fittings
raccorderie
raccorderia

mori s.p.a.

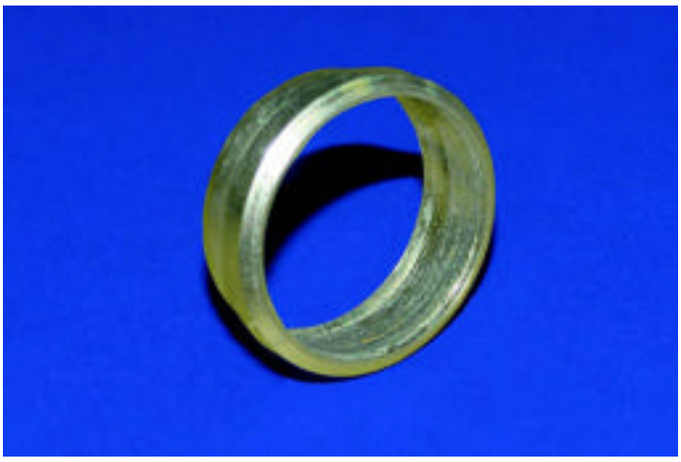
take care of your business

Nuts
Écrous
Dadi



Code *Code* Codice	**Description** *Description* Descrizione
1604010001	6L
1604010002	8L
1604010003	10L
1604010004	12L
1604010005	15L
1604010006	18L
1604010007	22L
1604010008	28L
1604010011	6S
1604010012	8S
1604010013	10S
1604010014	12S
1604010015	14S
1604010016	16S
1604010017	20S
1604010018	25S
1604010019	30S
1604010020	38S

Compression fitting
Ogive
Ogiva



Code *Code* Codice	**Description** *Description* Descrizione
1604020001	D. 6
1604020002	D. 8
1604020003	D. 10
1604020004	D. 12
1604020005	D. 15
1604020006	D. 18
1604020007	D. 22
1604020008	D. 28
1604020009	D. 35
1604020010	D. 42
1604020011	D. 14
1604020012	D. 16
1604020013	D. 20
1604020014	D. 25
1604020015	D. 30
1604020016	D. 38

Straight couplings
Raccords intermédiaires droits
Raccordi intermedi diritti

Code *Code* Codice	**Description** *Description* Descrizione
1604030001	6L
1604030002	8L
1604030003	10L
1604030004	12L
1604030005	15L
1604030006	18L
1604030007	22L
1604030008	28L
1604030009	35L
1604030010	42L
1604030011	6S
1604030012	8S
1604030013	10S
1604030014	12S
1604030015	14S
1604030016	16S
1604030017	20S
1604030018	25S
1604030019	30S
1604030020	38S

Equal elbows
Raccords intermédiaires coudés
Raccordi intermedi a gomito

Code *Code* Codice	**Description** *Description* Descrizione
1604040001	6L
1604040002	8L
1604040003	10L
1604040004	12L
1604040005	15L
1604040006	18L
1604040007	22L
1604040008	28L
1604040009	35L
1604040010	42L
1604040011	6S
1604040012	8S
1604040013	10S
1604040014	12S
1604040015	14S
1604040016	16S
1604040017	20S
1604040018	25S
1604040019	30S
1604040020	38S

Equal Tees
Raccords intermédiaires en T
Raccordi intermedi a T

Code *Code* Codice	**Description** *Description* Descrizione
1604050001	6L
1604050002	8L
1604050003	10L
1604050004	12L
1604050005	15L
1604050006	18L
1604050007	22L
1604050008	28L
1604050009	35L
1604050010	42L
1604050011	6S
1604050012	8S
1604050013	10S
1604050014	12S
1604050015	14S
1604050016	16S
1604050017	20S
1604050018	25S
1604050019	30S
1604050020	38S

Male stud couplings
Raccords terminaux droits
Raccordi terminali diritti

Code *Code* Codice	**Description** *Description* Descrizione
1604060001	6L R 1/8
1604060005	8L R 1/8
1604060006	8L R 1/4
1604060007	8L R 3/8
1604060009	10L R 1/4
1604060010	10L R 3/8
1604060012	12L R 1/4
1604060013	12L R 3/8
1604060014	12L R 1/2
1604060016	15L R 1/2
1604060018	18L R 1/2
1604060020	22L R 3/4
1604060021	28L R 1"
1604060022	35L R 1 1/4
1604060023	42L R 1 1/2
1604060024	6S R 1/4
1604060026	8S R 1/4
1604060029	10S R 3/8
1604060031	12S R 3/8
1604060032	12S R 1/2
1604060034	14S R 1/2
1604060035	16S R 1/2
1604060036	20S R 3/4
1604060038	25S R 1"
1604060039	30S R 1 1/4
1604060040	38S R 1 1/2

Stud elbows
Raccords terminaux coudés
Raccordi terminali a gomito

Code *Code* Codice	**Description** *Description* Descrizione
1604070001	6L R 1/8
1604070002	8L R 1/4
1604070005	10L R 1/4
1604070006	12L R 3/8
1604070009	15L R 1/2
1604070010	18L R 1/2
1604070011	6S R 1/4
1604070012	8S R 1/4
1604070013	10S R 3/8
1604070014	12S R 3/8
1604070016	14S R 1/2
1604070017	16S R 1/2
1604070018	20S R 3/4

F/F 90° bent fitting
Raccord coudé 90° F/F
Raccordo a curva 90° F/F

Code *Code* Codice	**Description** *Description* Descrizione
TIAD90FF1	90 F/F 1"
TIAD90FF1/2	90 F/F 1/2
TIAD90FF1/4	90 F/F 1/4
TIAD90FF11/4	90 F/F 1 1/4
TIAD90FF3/4	90 F/F 3/4
TIAD90FF3/8	90 F/F 3/8

F/M 90° bent fitting
Raccord coudé 90° F/M
Raccordo a curva 90° F/M

Code *Code* Codice	**Description** *Description* Descrizione
TIAD90FM1	90 F/M 1"
TIAD90FM1/2	90 F/M 1/2
TIAD90FM1/4	90 F/M 1/4
TIAD90FM1/8	90 F/M 1/8
TIAD90FM11/4	90 F/M 1 1/4
TIAD90FM18	90 F/M 18x1,5
TIAD90FM3/4	90 F/M 3/4
TIAD90FM3/8	90 F/M 3/8

F/F straight adaptor
Adaptateur droit F/F
Adattatore diritto F/F

Code *Code* Codice	**Description** *Description* Descrizione
TIADFF1	F/F 1"
TIADFF1/2	F/F 1/2
TIADFF1/4	F/F 1/4
TIADFF11/4	F/F 1 1/4
TIADFF18	F/F 18x1,5
TIADFF22	F/F 22x1,5
TIADFF3/4	F/F 3/4
TIADFF3/8	F/F 3/8
TIADFF5/8	F/F 5/8

F/M straight adaptor
Adaptateur droit F/M
Adattatore diritto F/M

Code *Code* Codice	**Description** *Description* Descrizione
TIADFM1	F/M 1"
TIADFM1/2	F/M 1/2
TIADFM1/4	F/M 1/4
TIADFM1/8	F/M 1/8
TIADFM11/4	F/M 1 1/4
TIADFM18	F/M 18x1,5
TIADFM22	F/M 22x1,5
TIADFM3/4	F/M 3/4
TIADFM3/8	F/M 3/8
TIADFM5/8	F/M 5/8

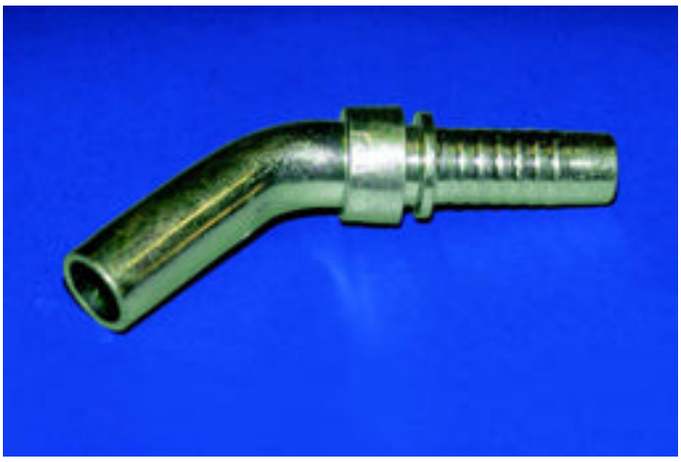
Elbow fitting
Raccord coudé
Raccordo a gomito

Code *Code* Codice	**Description** *Description* Descrizione
TIET4561/4	45 6 - 1/4
TIET4581/4	45 8 - 1/4
TIET4585/16	45 8 - 5/16
TIET45101/4	45 10 - 1/4
TIET45105/16	45 10 - 5/16
TIET45103/8	45 10 - 3/8
TIET45125/16	45 12 - 5/16
TIET45123/8	45 12 - 3/8
TIET45121/2	45 12 - 1/2
TIET45143/8	45 14 - 3/8
TIET45141/2	45 14 - 1/2
TIET45153/8	45 15 - 3/8
TIET45151/2	45 15 - 1/2
TIET45161/2	45 16 - 1/2
TIET45181/2	45 18 - 1/2
TIET45185/8	45 18 5/8
TIET45205/8	45 20 - 5/8
TIET45223/4	45 22 - 3/4
TIET45251	45 25 - 1
TIET45281	45 28 - 1
TIET45301	45 30 - 1
TIET453511/4	45 35 - 11/4

Straight insert
Insert droit
Inserto diritto

Code *Code* Codice	**Description** *Description* Descrizione
TIET61/4	6 - 1/4
TIET63/16	6 - 3/16
TIET81/4	8 - 1/4
TIET85/16	8 - 5/16
TIET101/4	10 - 1/4
TIET103/8	10 - 3/8
TIET105/16	10 - 5/16
TIET121/2	12 - 1/2
TIET121/4	12 - 1/4
TIET123/8	12 - 3/8
TIET125/16	12 - 5/16
TIET141/2	14 - 1/2
TIET143/8	14 - 3/8
TIET151/2	15 - 1/2
TIET153/8	15 - 3/8
TIET161/2	16 - 1/2
TIET181/2	18 - 1/2
TIET183/4	18 - 3/4
TIET185/8	18 - 5/8
TIET203/4	20 - 3/4
TIET205/8	20 - 5/8
TIET223/4	22 - 3/4
TIET251	25 - 1"
TIET253/4	25 - 3/4
TIET281	28 - 1"
TIET301	30 - 1"
TIET3511/4	35 - 1 1/4
TIET3811/4	38 - 1 1/4

45° insert
Insert à 45°
Inserto a 45°



Code *Code* Codice	**Description** *Description* Descrizione
TIET45101/4	45 10 - 1/4
TIET45123/8	45 12 - 3/8
TIET4581/4	45 8 - 1/4

Insert
Insert
Inserto

Code *Code* Codice	**Description** *Description* Descrizione
TIET90101/4	90 10 - 1/4
TIET90103/8	90 10 - 3/8
TIET90105/16	90 10 - 5/16
TIET90121/2	90 12 - 1/2
TIET90121/4	90 12 - 1/4
TIET90123/8	90 12 - 3/8
TIET90125/16	90 12 - 5/16
TIET90141/2	90 14 - 1/2
TIET90151/2	90 15 - 1/2
TIET90161/2	90 16 - 1/2
TIET90181/2	90 18 - 1/2
TIET90185/8	90 18 - 5/8
TIET90203/4	90 20 - 3/4
TIET90205/8	90 20 - 5/8
TIET90223/4	90 22 - 3/4
TIET90251	90 25 - 1"
TIET90253/4	90 25 - 3/4
TIET90281	90 28 - 1"
TIET90301	90 30 - 1"
TIET903511/4	90 35 - 1 1/4
TIET9061/4	90 6 - 1/4
TIET9063/16	90 6 - 3/16
TIET9081/4	90 8 - 1/4
TIET9085/16	90 8 - 5/16

F straight gas 60° insert
Insert F droit gaz 60°
Inserto F diritta gas 60°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
G 1/8	3/16
G 1/4	3/16
G 1/8	1/4
G 1/4	1/4
G 1/2	1/4
G 3/8	1/4
G 1/4	5/16
G 3/8	5/16
G 1/2	5/16
G 1/4	3/8
G 3/8	3/8
G 1/2	3/8
G 3/8	1/2
G 1/2	1/2
G 5/8	1/2
G 3/4	1/2
G 5/8	5/8
G 3/4	5/8
G 1/2	3/4
G 3/4	3/4
G 1	3/4
G 1	1

F straight metric 60° insert
Insert F droit métrique 60°
Inserto F diritta metrica 60°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
10 x 1	3/16
12 x 1,5	3/16
14 x 1,5	3/16
10 x 1	1/4
12 x 1,5	1/4
14 x 1,5	1/4
16 x 1,5	1/4
18 x 1,5	1/4
14 x 1,5	5/16
16 x 1,5	5/16
18 x 1,5	5/16
14 x 1,5	3/8
16 x 1,5	3/8
18 x 1,5	3/8
20 x 1,5	3/8
22 x 1,5	3/8
18 x 1,5	1/2
20 x 1,5	1/2
22 x 1,5	1/2
24 x 1,5	1/2
26 x 1,5	5/8
26 x 1,5	3/4
30 x 1,5	3/4
38 x 1,5	1
45 x 1,5	1, 1/4
52 x 1,5	1, 1/2
10 x 1	1/4

F straight JIC 37° insert
Insert F droit JIC 37°
Inserto F diritta JIC 37°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
7/16 - 20	3/16
7/16 - 20	1/4
1/2 - 20	1/4
9/16 - 18	1/4
1/2 - 20	5/16
9/16 - 18	5/16
5/8 - 18	5/16
3/4 - 16	5/16
9/16 - 18	3/8
5/8 - 18	3/8
3/4 - 16	3/8
3/4 - 16	3/8
7/8 - 14	3/8
3/4 - 16	1/2
7/8 - 14	1/2
1,1/16 - 12	1/2
7/8 - 14	5/8
1,1/16 - 12	5/8
7/8 - 14	3/4
1,1/16 - 12	3/4
1,3/16 - 12	3/4
1,5/16 - 12	3/4
1,1/16 - 12	1
1,5/16 - 12	1

F straight ORFS insert
Insert F droit ORFS
Inserto F diritta ORFS

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
9/16 - 18	1/4
11/16 - 16	1/4
11/16 - 16	5/16
11/16 - 16	3/8
13/16 - 16	3/8
13/16 - 16	1/2
1 - 14	1/2
1.3/16 - 12	1/2
1 - 14	5/8
1 - 14	3/4
1.3/16 - 12	3/4
1.7/16 - 12	3/4
1.7/16 - 12	1
1.11/16 - 12	1.1/4
2 - 12	1.1/2

45° F gas 60° insert
Insert F 45° gaz 60°
Inserto F 45° gas 60°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
G 1/8	3/16
G 1/4	3/16
G 1/8	1/4
G 1/4	1/4
G 3/8	1/4
G 3/8	5/16
G 1/2	5/16
G 3/8	3/8
G 1/2	3/8
G 1/2	1/2
G 5/8	1/2
G 3/8	1/2
G 3/4	1/2
G 5/8	5/8
G 3/4	5/8
G 3/4	3/4
G 1	3/4
G 1	1

45° F metric 60° insert
Insert F 45° métrique 60°
Inserto F 45° metrica 60°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
12 x 1,5	3/16
12 x 1,5	1/4
14 x 1,5	1/4
16 x 1,5	1/4
16 x 1,5	5/16
14 x 1,5	5/16
18 x 1,5	5/16
14 x 1,5	3/8
16 x 1,5	3/8
18 x 1,5	3/8
20 x 1,5	3/8
22 x 1,5	3/8
18 x 1,5	1/2
20 x 1,5	1/2
22 x 1,5	1/2
26 x 1,5	5/8
26 x 1,5	3/4
30 x 1,5	3/4
38 x 1,5	1
45 x 1,5	1.1/4
52 x 1,5	1.1/2

45° F JIC 37° insert
Insert F 45° JIC 37°
Inserto F 45° JIC 37°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
7/16 - 20	3/16
7/16 - 20	1/4
1/2 - 20	1/4
9/16 - 18	1/4
1/2 - 20	5/16
9/16 - 18	5/16
9/16 - 18	3/8
5/8 - 18	3/8
3/4 - 16	3/8
7/8 - 14	3/8
3/4 - 16	1/2
7/8 - 14	1/2
1.1/16 - 12	1/2
7/8 - 14	5/8
1.1/16 - 12	5/8
7/8 - 14	3/4
1.1/16 - 12	3/4
1.3/16 - 12	3/4
1.5/16 - 12	3/4
1.1/16 - 12	1
1.5/6 - 12	1

Inserto F 45° ORFS
Insert F 45° ORFS
Inserto F 45° ORFS

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
9/16 - 18	1/4
11/16 - 16	1/4
11/16 - 16	3/8
13/16 - 16	1/2
1 - 14	1/2
1 - 14	5/8
1.3/16 - 12	3/4
1.7/16 - 12	3/4
1.7/16 - 12	1
1.11/16 - 12	1.1/4
2 - 12	1.1/2

90° F gas 60° insert
Insert F 90° gaz 60°
Inserto F 90° gas 60°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
G 1/8	3/16
G 1/4	3/16
G 1/8	1/4
G 1/4	1/4
G 1/2	1/4
G 3/8	1/4
G 1/4	5/16
G 3/8	5/16
G 1/2	5/16
G 3/8	3/8
G 1/4	3/8
G 1/2	3/8
G 3/8	1/2
G 1/2	1/2
G 5/8	1/2
G 3/4	1/2
G 1/2	5/8
G 5/8	5/8
G 3/4	5/8
G 3/4	3/4
G 1	3/4
G 1	1

90° F metric 60° insert
Insert F 90° métrique 60°
Inserto F 90° metrica 60°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
10 x 1	3/16
12 x 1,5	3/16
12 x 1,5	1/4
14 x 1,5	1/4
16 x 1,5	1/4
18 x 1,5	1/4
14 x 1,5	5/16
16 x 1,5	5/16
18 x 1,5	5/16
14 x 1,5	3/8
16 x 1,5	3/8
18 x 1,5	3/8
20 x 1,5	3/8
22 x 1,5	3/8
18 x 1,5	1/2
20 x 1,5	1/2
22 x 1,5	1/2
24 x 1,5	1/2
26 x 1,5	5/8
30 x 1,5	5/8
26 x 1,5	3/4
30 x 1,5	3/4
38 x 1,5	1
30 x 1,5	1
45 x 1,5	1.1/4

90° F JIC 37° insert
Insert F 90° JIC 37°
Inserto F 90° JIC 37°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
7/16 - 20	3/16
7/16 - 20	1/4
1/2 - 20	1/4
9/16 - 18	1/4
1/2 - 20	5/16
9/16 - 18	5/16
9/16 - 18	3/8
3/4 - 16	3/8
7/8 - 14	3/8
3/4 - 16	1/2
7/8 - 14	1/2
1.1/16 - 12	1/2
7/8 - 14	5/8
1.1/16 - 12	5/8
7/8 - 14	3/4
1.1/16 - 12	3/4
1.3/16 - 12	3/4
1.5/16 - 12	3/4
1.1/16 - 12	1
1.5/16 - 12	1

90° F ORFS insert
Insert F 90° ORFS
Inserto F 90° ORFS

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
9/16 - 18	1/4
11/16 - 16	1/4
11/16 - 16	3/8
13/16 - 16	3/8
13/16 - 16	1/2
1 - 14	1/2
1 - 14	5/8
1.3/16 - 12	3/4
1.7/16 - 12	3/4
1.7/16 - 12	1
1.11/16 - 12	1
1.11/16 - 12	1.1/4
2 - 12	1.1/2

M gas 60° insert
Insert M gaz 60°
Inserto M gas 60°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
G 1/8	3/16
G 1/4	3/16
G 1/8	1/4
G 1/4	1/4
G 3/8	1/4
G 1/2	1/4
G 3/8	5/16
G 1/2	5/16
G 1/4	3/8
G 3/8	3/8
G 1/2	3/8
G 3/8	1/2
G 1/2	1/2
G 5/8	1/2
G 3/4	1/2
G 1/2	5/8
G 5/8	5/8
G 3/4	5/8
G 3/4	3/4
G 1	3/4
G 1	1
G 1.1/4	1
G 1.1/4	1.1/4
G 1.1/2	1.1/4
G 1.1/2	1.1/2
G 2	2
G 2	1.1/2

M metric 60° insert
Insert M métrique 60°
Inserto M metrica 60°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
10 x 1	3/16
12 x 1,5	3/16
10 x 1	1/4
12 x 1,5	1/4
14 x 1,5	1/4
16 x 1,5	1/4
14 x 1,5	5/16
16 x 1,5	5/16
18 x 1,5	5/16
14 x 1,5	3/8
16 x 1,5	3/8
18 x 1,5	3/8
20 x 1,5	3/8
22 x 1,5	3/8
18 x 1,5	1/2
20 x 1,5	1/2
22 x 1,5	1/2
24 x 1,5	1/2
26 x 1,5	5/8
26 x 1,5	3/4
30 x 1,5	3/4
38 x 1,5	1
45 x 1,5	1.1/4

M JIC 37° insert
Insert M JIC 37°
Inserto M JIC 37°

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
7/16 - 20	3/16
7/16 - 20	1/4
1/2 - 20	1/4
9/16 - 18	1/4
1/2 - 20	5/16
9/16 - 18	5/16
9/16 - 18	3/8
5/8 - 18	3/8
3/4 - 16	3/8
7/8 - 14	3/8
3/4 - 16	1/2
7/8 - 14	1/2
1.1/16 - 12	1/2
7/8 - 14	5/8
1.1/16 - 12	5/8
7/8 - 14	3/4
1.1/16 - 12	3/4
1.3/16 - 12	3/4
1.5/16 - 12	3/4
1.1/16 - 12	1
1.5/16 - 12	1
1.5/8 - 12	1
1.5/8 - 12	1.1/4
1.7/8 - 12	1.1/4
1.7/8 - 12	1.1/2
2.1/2 - 12	2

M ORFS insert
Insert M ORFS
Inserto M ORFS

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
9/16 - 18	1/4
11/16 - 16	5/16
11/16 - 16	3/8
13/16 - 16	3/8
13/16 - 16	1/2
1 - 14	5/8
1.3/16 - 12	5/8
1.3/16 - 12	3/4
1.7/16 - 12	3/4
1.7/16 - 12	1
1.11/16 - 12	1

M insert with hose seat
Insert M avec logement tuyau
Inserto M con sede tubo

Thread *Taraudage* Filettattura **(T)**	**Ø int.** *Ø int.* Ø int. **(inch)**
12 x 1,5	3/16
12 x 1,5	1/4
14 x 1,5	1/4
16 x 1,5	1/4
18 x 1,5	1/4
16 x 1,5	5/16
18 x 1,5	5/16
16 x 1,5	3/8
18 x 1,5	3/8
22 x 1,5	3/8
22 x 1,5	1/2
26 x 1,5	1/2
26 x 1,5	5/8
30 x 2	5/8
26 x 1,5	3/4
30 x 2	3/4
36 x 2	1
45 x 2	1.1/4
52 x 2	1.1/2

SAE 3000 flange insert
Insert bride SAE 3000
Inserto flangia SAE 3000

Flange *Bride* Flangia **(inch)**	**D** **(mm)**	**Ø int.** *Ø int.* Ø int. **(inch)**
1/2	30,2	1/2
3/4	38,1	1/2
3/4	38,1	5/8
3/4	38,1	3/4
1	44,5	3/4
1	44,5	1
1.1/4	50,8	1
1.1/4	50,8	1.1/4
1.1/2	60,3	1.1/4
1.1/2	60,3	1.1/2
2	71,4	1.1/2
2	71,4	2
2.1/2	84,1	2
2.1/2	84,1	2.1/2

45° SAE 3000 flange insert
Insert bride SAE 3000 à 45°
Inserto flangia SAE 3000 a 45°

Flange *Bride* Flangia **(inch)**	**D** **(mm)**	**Ø int.** *Ø int.* Ø int. **(inch)**
1/2	30,2	1/2
3/4	38,1	1/2
3/4	38,1	5/8
3/4	38,1	3/4
1	44,5	3/4
1	44,5	1
1.1/4	50,8	1
1.1/4	50,8	1.1/4
1.1/2	60,3	1.1/4
1.1/2	60,3	1.1/2
2	71,4	1.1/2
2	71,4	2
2.1/2	84,1	2

90° SAE 3000 flange insert
Insert bride SAE 3000 à 90°
Inserto flangia SAE 3000 a 90°

Flange *Bride* Flangia **(inch)**	**D** **(mm)**	**Ø int.** *Ø int.* Ø int. **(inch)**
1/2	30,2	1/2
3/4	38,1	1/2
3/4	38,1	3/4
3/4	38,1	5/8
3/4	38,1	1
1	44,5	3/4
1	44,5	3/4
1	44,5	1
1.1/4	50,8	1
1.1/4	50,8	1.1/4
1.1/2	60,3	1.1/4
1.1/2	60,3	1.1/2
2	71,4	1.1/2
2	71,4	2
2.1/2	84,1	2

SAE 6000 flange insert
Insert bride SAE 6000
Inserto flangia SAE 6000

Flange *Bride* Flangia **(inch)**	**D** **(mm)**	**Ø int.** *Ø int.* Ø int. **(inch)**
1/2	31,8	1/2
1/2	31,7	3/4
1/2	31,5	5/8
3/4	41,3	1/2
3/4	41,3	5/8
3/4	41,3	3/4
3/4	41,3	1
1	47,6	3/4
1	47,6	1
1	47,6	1.1/4
1.1/4	54	1
1.1/4	54	1.1/4
1.1/2	63,5	1.1/4
1.1/2	63,5	1.1/2
2	79,4	1.1/2
2	79,4	2

45° SAE 6000 flange insert
Insert bride SAE 6000 à 45°
Inserto flangia SAE 6000 a 45°

Flange *Bride* Flangia **(inch)**	**D** **(mm)**	**Ø int.** *Ø int.* Ø int. **(inch)**
1/2	31,8	1/2
3/4	41,3	1/2
3/4	41,3	3/4
1	47,6	3/4
1	47,6	1
1.1/4	54	1
1.1/4	54	1.1/4
1.1/2	63,5	1.1/4
1.1/2	63,5	1.1/2
2	79,4	1.1/2
2	79,4	2

90° SAE 6000 flange insert
Insert bride SAE 6000 à 90°
Inserto flangia SAE 6000 a 90°

Flangia *Bride* Flangia **(inch)**	**D** **(mm)**	**Ø int.** *Ø int.* Ø int. **(inch)**
1/2	31,8	1/2
1/2	31,7	3/4
3/4	41,3	1/2
3/4	41,3	3/4
3/4	41,3	3/4
3/4	41,3	1
1	47,6	3/4
1	47,6	1
1.1/4	54	1
1.1/4	54	1.1/4
1.1/2	63,5	1.1/4
1.1/2	63,5	1.1/2
2	79,4	1.1/2
2	79,4	2

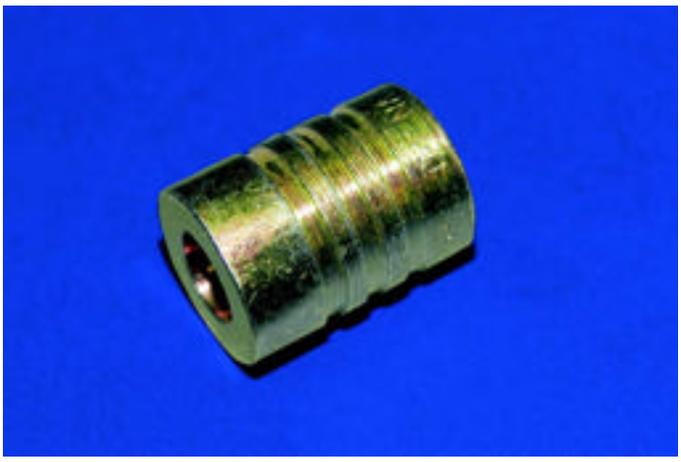
SAE 100 R1-2-16 ferrules
Douille SAE 100 R1-2-16
Ghiere SAE 100 R1-2-16

3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1”, 1 1/4, 1 1/2.

SAE 100 R6-7-8 ferrules
Douille SAE 100 R6-7-8
Ghiere SAE 100 R6-7-8

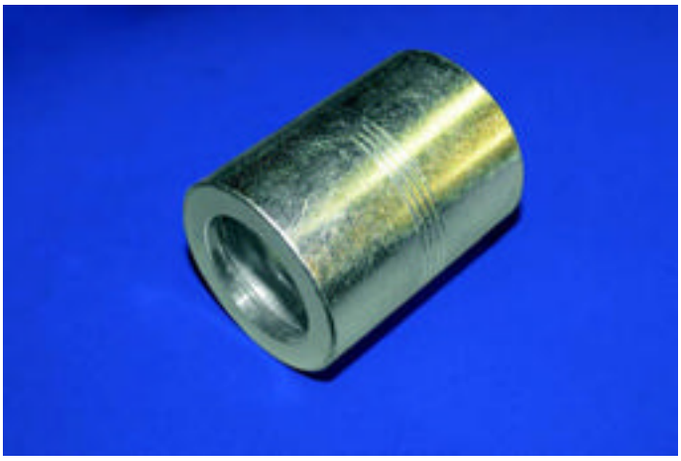
3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1”.

SAE 100 R9 ferrules
Douille SAE 100 R9
Ghiere SAE 100 R9



1/4, 3/8, 1/2, 5/8, 3/4, 1”.

SAE 100 4SH ferrules
Douille SAE 100 4SH
Ghiere SAE 100 4SH



3/4, 1”, 1 1/*4.

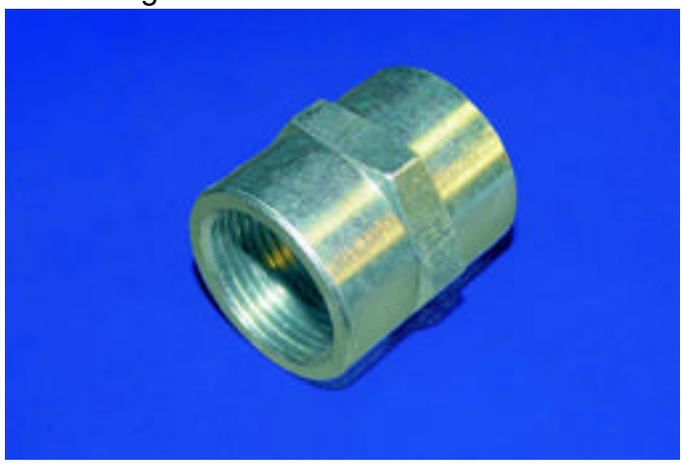
F/F elbow fittings
Raccords coudés F/F
Raccordi a gomito F/F

Code *Code* Codice	**Description** *Description* Descrizione
TIGOFF1	F/F 1"
TIGOFF1/2	F/F 1/2
TIGOFF1/4	F/F 1/4
TIGOFF1/8	F/F 1/8
TIGOFF11/4	F/F 1 1/4
TIGOFF3/4	F/F 3/4
TIGOFF3/8	F/F 3/8

M/M elbow fittings
Raccords coudés M/M
Raccordi a gomito M/M

Code *Code* Codice	**Description** *Description* Descrizione
TIGOMM1	M/M 1"
TIGOMM1/2	M/M 1/2
TIGOMM1/4	M/M 1/4
TIGOMM1/8	M/M 1/8
TIGOMM11/4	M/M 1 1/4
TIGOMM3/4	M/M 3/4
TIGOMM3/8	M/M 3/8

Gas sleeves
Manchons gaz
Manicotti gas



Code *Code* Codice	**Description** *Description* Descrizione
TIMA1 1/2	F/F 1 1/2
TIMA1 1/4	F/F 1 1/4
TIMA1	F/F 1"
TIMA3/4	F/F 3/4
TIMA1/2	F/F 1/2
TIMA3/8	F/F 3/8
TIMA1/4	F/F 1/4
TIMA1/8	F/F 1/8

Flat protective coil sleeve
Spirale plate - Protection tuyaux
Spirale piatta - Protezione tubi

Code *Code* Codice	**Description** *Description* Descrizione
TIMP20,5	D.20,5
TIMP23	D. 23
TIMP26	D. 26
TIMP30,5	D.30,5
TIMP33	D. 33
TIMP37	D. 37
TIMP41	D. 41
TIMP47	D. 47
TIMP52	D. 52

60° M gas cylinder
Male Gaz Cylindrique 60°
Maschio Gas Cilindrico 60°

In line / *En ligne* / In linea

Thread *Taraudage* Filett.
1/8
1/4
3/8
1/2
5/8
3/4
1
1. 1/4
1. 1/2
2
2. 1/2

Reduced / *Réduit* **/** Ridotto

Thread 1 *Taraudage 1* Filett. 1	**Thread 2** *Taraudage 2* Filett. 2
1/4	1/8
3/8	1/8
3/8	1/4
1/2	1/4
1/2	3/8
5/8	3/8
5/8	1/2
3/4	1/4
3/4	3/8
3/4	1/2
3/4	5/8
1	3/8
1	1/2
1	3/4
1.1/4	1/2
1.1/4	3/4
1.1/4	1
1.1/2	3/4
1.1/2	1
1.1/2	1.1/4
2	1
2	1.1/4
2	1.1/2

60° sv. M metric
Maschio Metrico sv. 60°
Maschio Metrico sv. 60°

Thread 1 *Taraudage 1* Filett. 1	**Thread 2** *Taraudage 2* Filett. 2
1/4	10 x 1
1/4	12 x 1,5
1/4	14 x 1,5
1/4	16 x 1,5
1/4	18 x 1,5
3/8	12 x 1,5
3/8	14 x 1,5
3/8	16 x 1,5
3/8	18 x 1,5
3/8	20 x 1,5
3/8	22 x 1,5
1/2	14 x 1,5
1/2	16 x 1,5
1/2	18 x 1,5
1/2	20 x 1,5
1/2	22 x 1,5
1/2	24 x 1,5
1/2	26 x 1,5
5/8	22 x 1,5
3/4	18 x 1,5
3/4	22 x 1,5
3/4	26 x 1,5
3/4	30 x 1,5
1	26 x 1,5
1	30 x 1,5
1.1/4	42 x 2

In line / *En ligne* / In linea

Thread *Taraudage* Filett.
10 x 1
12 x 1,5
14 x 1,5
16 x 1,5
18 x 1,5
20 x 1,5
22 x 1,5
24 x 1,5
26 x 1,5
30 x 1,5

Reduced / *Réduit* **/** Ridotto

Thread 1 *Taraudage 1* Filett. 1	**Thread 2** *Taraudage 2* Filett. 2
12 x 1,5	10 x 1
14 x 1,5	12 x 1,5
16 x 1,5	12 x 1,5
16 x 1,5	14 x 1,5
18 x 1,5	14 x 1,5
18 x 1,5	16 x 1,5
20 x 1,5	18 x 1,5
22 x 1,5	14 x 1,5
22 x 1,5	18 x 1,5
22 x 1,5	20 x 1,5
26 x 1,5	22 x 1,5
30 x 1,5	26 x 1,5

M JIC 27°
Maschio JIC 27°
Maschio JIC 27°

Thread 1 *Taraudage 1* Filett. 1	**Thread 2** *Taraudage 2* Filett. 2
1/4	7/16
1/4	1/2
1/4	9/16
1/4	3/4
3/8	1/2
3/8	9/16
3/8	3/4
3/8	7/8
1/2	9/16
1/2	3/4
1/2	7/8
1/2	1.1/16
5/8	1.1/16
3/4	7/8
3/4	7/8
3/4	1.1/16
3/4	1.5/16
1	7/8
1	1.1/16
1	1.5/16
1.1/4	1.5/8
1.1/2	1.7/8

Thread *Taraudage* Filett.
7/16
1/2
9/16
3/4
7/8
1.1/16
1.3/16
1.5/16
1.5/8

M ORFS
Mâle ORFS
Maschio ORFS

In line / *En ligne* / In linea

Thread *Taraudage* Filett.
9/16 - 18
11/16 - 16
13/16 - 16
1 - 4
1.3/16 - 12
1.7/16 - 12
1.11/16 - 12
2 - 12

M OR gas / *Mâle gaz OR* / Maschio gas OR

Thread 1 *Taraudage 1* Filett. 1	**Thread 2** *Taraudage 2* Filett. 2
9/16 - 18	1/4
11/16 - 16	3/8
13/16 - 16	1/2
13/16 - 12	3/4
1.7/16 - 12	1
1.7/16 - 12	1.1/4
1.11/16 - 12	1
1.11/16 - 12	1.1/4

Eyelet insert
Insert à œillet
Inserto a occhiello

Code *Code* Codice	**Description** *Description* Descrizione
TIO1	1"
TIO1/2	1/2
TIO1/23/8	1/2 - 3/8
TIO1/4	1/4
TIO1/43/16	1/4 - 3/16
TIO1/43/8	1/4 - 3/8
TIO1/45/16	1/4 - 5/16
TIO1/81/4	1/8 - 1/4
TIO1/83/16	1/8 - 3/16
TIO121/4	12 - 1/4
TIO123/16	12 - 3/16
TIO13/4	1" - 3/4
TIO141/4	14 - 1/4
TIO143/8	14 - 3/8
TIO145/16	14 - 5/16
TIO181/2	18 - 1/2
TIO181/4	18 - 1/4
TIO183/8	18 - 3/8
TIO221/2	22 - 1/2
TIO225/8	22 - 5/8
TIO3/4	3/4
TIO3/41/2	3/4 - 1/2
TIO3/8	3/8
TIO3/81/2	3/8 - 1/2
TIO3/81/4	3/8 - 1/4
TIO3/85/16	3/8 - 5/16

Threaded eyelet
Œillet taraudé
Occhiello filettato

Code *Code* Codice	**Description** *Description* Descrizione
TIOF1	1"
TIOF1/2	1/2
TIOF1/4	1/4
TIOF11/4	1 1/4
TIOF3/4	3/4
TIOF3/8	3/8

Solder eyelet
Œillet à souder
Occhiello a saldare

Code *Code* Codice	**Description** *Description* Descrizione
TIOS1	1"
TIOS1/2	1/2
TIOS1/4	1/4
TIOS1/8	1/8
TIOS3/4	3/4
TIOS3/8	3/8

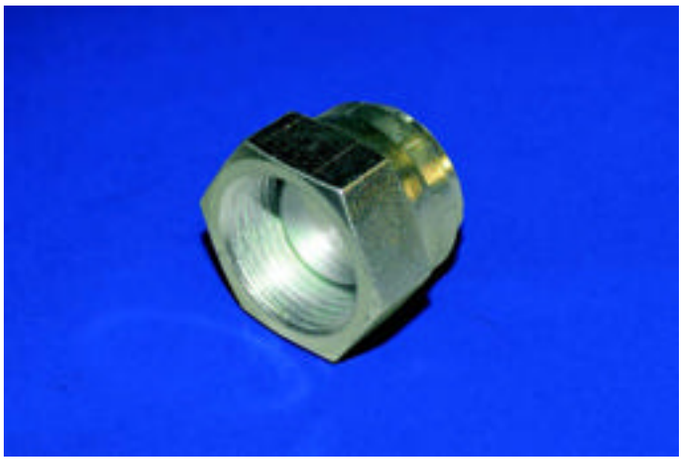
Extensions
Rallonges
Prolunghe

Code *Code* Codice	**Description** *Description* Descrizione
TIPR1/8	F/M 1/8
TIPR1/4	F/M 1/4
TIPR3/8	F/M 3/8
TIPR1/2	F/M 1/2
TIPR3/4	F/M 3/4
TIPR1	F/M 1"
TIPR11/4	F/M 1 1/4

Reducers
Réduction
Riduzione

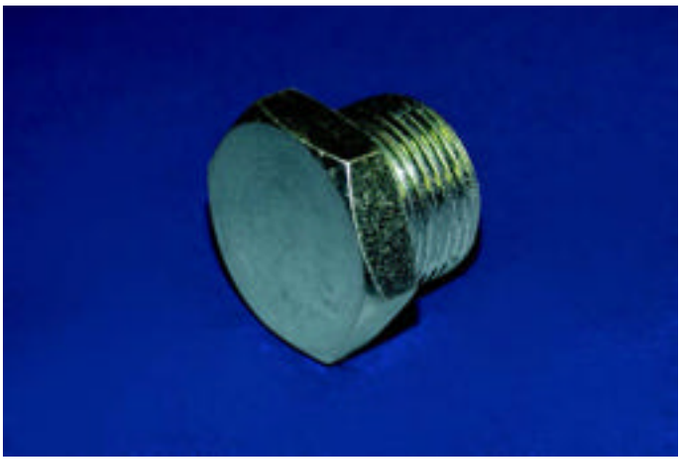
Code *Code* Codice	**Description** *Description* Descrizione
TIRI1-1/2	F 1" - M 1/2
TIRI1-11/2	F 1" - M 1 1/2
TIRI1-11/4	F 1" - M 1 1/4
TIRI1-3/4	F 1" - M 3/4
TIRI1-3/8	F 1" - M 3/8
TIRI1/2-1	F 1/2 - M 1"
TIRI1/2-1/4	F 1/2 - M 1/4
TIRI1/2-3/4	F 1/2 - M 3/4
TIRI1/2-3/8	F 1/2 - M 3/8
TIRI1/4-1/2	F 1/4 - M 1/2
TIRI1/4-1/8	F 1/4 - M 1/8
TIRI1/4-3/4	F 1/4 - M 3/4
TIRI1/4-3/8	F 1/4 - M 3/8
TIRI1/8-1/2	F 1/8 - M 1/2
TIRI1/8-1/4	F 1/8 - M 1/4
TIRI1/8-3/8	F 1/8 - M 3/8
TIRI11/2-1	F 1 1/2 - M 1"
TIRI11/2-11/4	F 1 1/2 - M 1 1/4
TIRI11/2-2	F 1 1/2 - M 2"
TIRI11/4-1	F 1 1/4 - M 1"
TIRI11/4-11/2	F 1 1/4 - M 1 1/2
TIRI11/4-3/4	F 1 1/4 - M 3/4
TIRI2-1	F 2" - M 1"
TIRI2-11/2	F 2" - M 1 1/2
TIRI2-11/4	F 2" - M 1 1/4
TIRI3/4-1	F 3/4 - M 1"
TIRI3/4-1/2	F 3/4 - M 1/2
TIRI3/4-1/4	F 3/4 - M 1/4
TIRI3/4-11/4	F 3/4 - M 1 1/4
TIRI3/4-3/8	F 3/4 - M 3/8
TIRI3/8-1	F 3/8 - M 1"
TIRI3/8-1/2	F 3/8 - M 1/2
TIRI3/8-1/4	F 3/8 - M 1/4
TIRI3/8-1/8	F 3/8 - M 1/8
TIRI3/8-3/4	F 3/8 - M 3/4

F 60° gas plugs
Bouchons femelle gaz 60°
Tappi femmina gas 60°



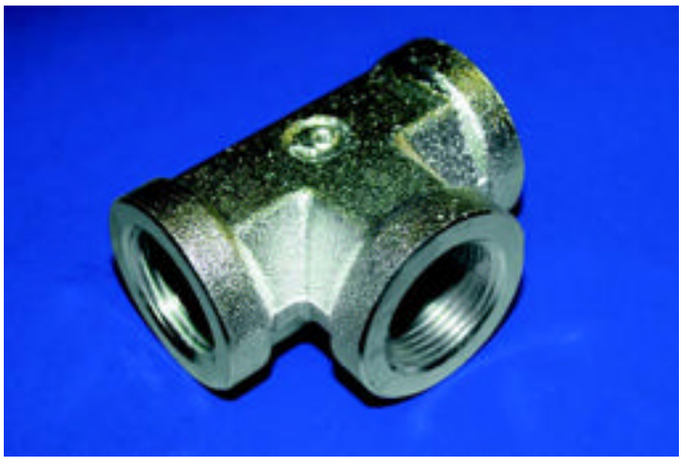
Code *Code* Codice	**Description** *Description* Descrizione
TITAF1	1"
TITAF1/2	1/2
TITAF1/4	1/4
TITAF1/8	1/8
TITAF11/2	1 1/2
TITAF11/4	1 1/4
TITAF2	2"
TITAF3/4	3/4
TITAF3/8	3/8
TITAF5/8	5/8

M 60° gas plugs
Bouchons mâle gaz 60°
Tappi maschio gas 60°



Code *Code* Codice	**Description** *Description* Descrizione
TITAM1	1"
TITAM1/2	1/2
TITAM1/4	1/4
TITAM1/8	1/8
TITAM11/2	1 1/2
TITAM11/4	1 1/4
TITAM2	2"
TITAM3/4	3/4
TITAM3/8	3/8
TITAM5/8	5/8

F Tee gas fitting
Raccord en T femelle gaz
Raccordo a T femmina gas



Code *Code* Codice	**Description** *Description* Descrizione
TITIF1/8	1/8
TITIF1/4	1/4
TITIF3/8	3/8
TITIF1/2	1/2
TITIF3/4	3/4
TITIF1	1"
TITIF11/4	1 1/4

M Tee 60° gas fitting
Raccord en T mâle gaz 60°
Raccordo a T maschio gas 60°

Code *Code* Codice	**Description** *Description* Descrizione
TITIM1/8	1/8
TITIM1/4	1/4
TITIM3/8	3/8
TITIM1/2	1/2
TITIM3/4	3/4
TITIM1	1"
TITIM11/4	1 1/4

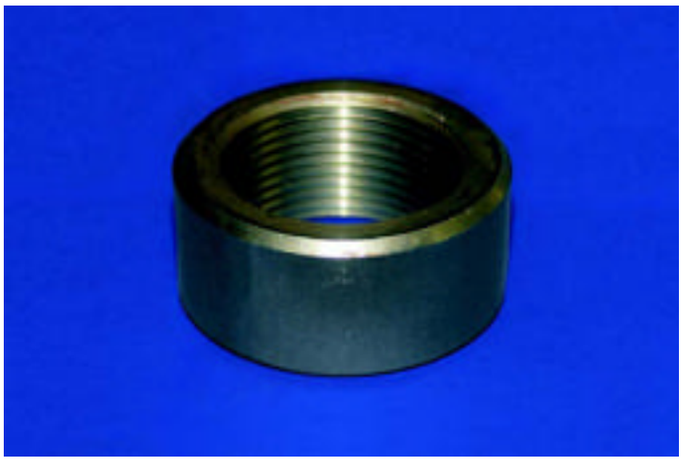
Hollow screws
Vis vides
Viti cave

Code *Code* Codice	**Description** *Description* Descrizione
TIVC1/8	1/8
TIVC1/4	1/4
TIVC3/8	3/8
TIVC1/2	1/2
TIVC5/8	5/8
TIVC3/4	3/4
TIVC1	1"
TIVC11/4	1 1/4
TIVC10X1	10x1
TIVC10	10x1,5
TIVC12	12x1,5
TIVC14	14x1,5
TIVC16	16x1,5
TIVC18	18x1,5
TIVC20	20x1,5
TIVC22	22x1,5
TIVC24	24x1,5
TIVC26	26x1,5
TIVC30	30x1,5

Double hollow screws
Vis vides doubles
Viti cave doppie

Code *Code* Codice	**Description** *Description* Descrizione
TIVCD1/8	1/8
TIVCD1/4	1/4
TIVCD3/8	3/8
TIVCD1/2	1/2
TIVCD3/4	3/4
TIVCD1	1"
TIVCD10X1	10x1
TIVCD12	12x1,5
TIVCD14	14x1,5
TIVCD16	16x1,5
TIVCD18	18x1,5
TIVCD22	22x1,5

Solder sleeve
Manchon à souder
Manicotto a saldare

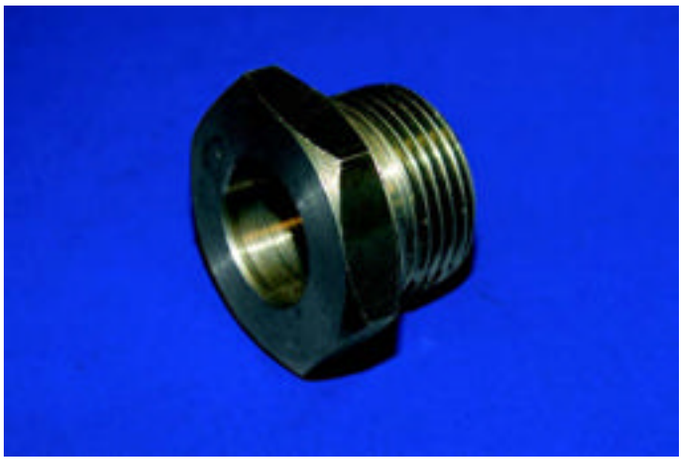


Code *Code* Codice	**Description** *Description* Descrizione
TIBS1	1"
TIBS1/2	1/2
TIBS1/4	1/4
TIBS1/8	1/8
TIBS11/2	1 1/2
TIBS11/4	1 1/4
TIBS18	18x1,5
TIBS2	2"
TIBS22	22x1,5
TIBS3/4	3/4
TIBS3/8	3/8

Deviator
Déviateur
Deviatore

Code *Code* Codice	**Description** *Description* Descrizione
TIDE1/2	3 VIE 1/2
TIDE3/4	3 VIE 3/4
TIDE3/8	3 VIE 3/8

Solder nipple
Nipple à souder
Nipplo a saldare



Code *Code* Codice	**Description** *Description* Descrizione
TINS1/8	1/8
TINS1/4	1/4
TINS3/8	3/8
TINS1/2	1/2
TINS5/8	5/8
TINS3/4	3/4
TINS1	1"
TINS11/4	1 1/4
TINS11/2	1 1/2
TINS2	2"

QUICK RELEASE COUPLINGS
BRANCHEMENTS RAPIDES
INNESTI RAPIDI

Poppet valve
Joint en aiguille
Tenuta a spillo

Ball valve
Joint à sphère
Tenuta a sfera

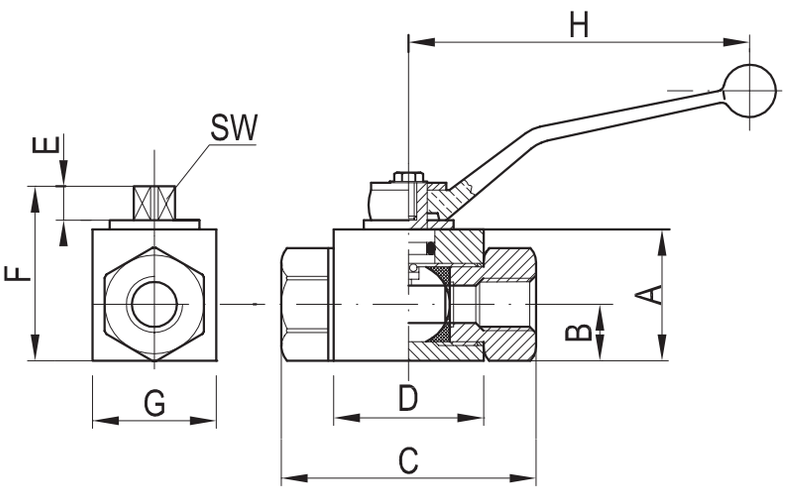
Code *Code* Codice	**Description** *Description* Descrizione
1607010001	1/4
1607010002	3/8
1607010003	1/2
1607010004	3/4
1607010005	1"
1607010006	1 1/4
1607020001	1/4 M
1607020002	3/8 M
1607020003	1/2 M

Code *Code* Codice	**Description** *Description* Descrizione
1607020004	3/4 M
1607020005	1" M
1607020006	1 1/4 M
1607030001	1/4 F
1607030002	3/8 F
1607030003	1/2 F
1607030004	3/4 F
1607030006	1 1/4 F

High-pressure two-ways ball cock - GE2

Robinet à sphère à haute pression à deux voies - Type GE2

Rubinetti a sfera ad alta pressione a due vie - Tipo GE2



Type *Type* Tipo	**PN**	**DN**	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**SW**	**UPON REQUEST fixing bores** *SUR DEMANDE trous de fixage* A RICHIESTA fori fissaggio	**Ø**
GE2 1/8”	500	4	35	14	71	42	11	49	30	110	9	int. 25	5,5
GE2 1/4 mini*	500	6	25	12,5	63	31	7	32	25	57	6	-	-
GE2 1/4”	500	6	35	14	71	42	11	49	30	110	9	int. 25	5,5
GE2 3/8”	500	10	40	17	73	44	11	54	35	110	9	int. 31	5,5
GE2 1/2”	500	13	43	18	83	48	11	57	37	110	9	int. 34	6,5
GE2 3/4”	500	20	55	23	95	62	13	73	45	180	14	int. 46	8,5
GE2 1”	500	25	65	29	113	66	13	83	55	180	14	int. 49	8,5
GE2 1 1/4”	500	25	65	29	121	66	13	83	55	180	14	int. 49	8,5

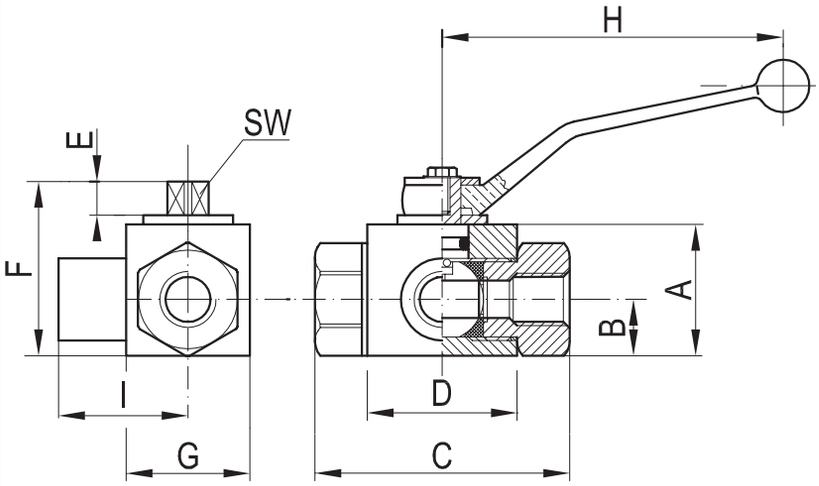
Also available in AISI 303

Également fourni en AISI 303

Fornibile anche in AISI 303

High-pressure three-ways ball cock - GE3

Robinet à sphère à haute pression à trois voies - Type GE3
Rubinetti a sfera ad alta pressione a tre vie - Tipo GE3



Type *Type* Tipo	**PN**	**DN**	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**SW**	**UPON REQUEST fixing bores** *SUR DEMANDE trous de fixage* A RICHIESTA fori fissaggio	**Ø**
GE3 1/8”	400	4	35	14	71	42	11	49	30	110	33,5	9	int. 25	5,5
GE3 1/4”	400	6	35	14	71	42	11	49	30	110	33,5	9	int. 25	5,5
GE3 3/8”	400	10	40	17	73	44	11	54	35	110	37	9	int. 31	5,5
GE3 1/2”	350	13	43	18	83	48	11	57	37	110	40	9	int. 34	6,5
GE3 3/4”	350	20	55	23	95	62	13	73	45	180	52	14	int. 46	8,5
GE3 1”	350	25	65	29	113	66	13	83	55	180	60	14	int. 49	8,5
GE3 1 1/4”	350	25	65	29	121	66	13	83	55	180	61,5	14	int. 49	8,5

Available with L or Tee scheme.
Également fourni avec schéma en L et schéma en T.
Fornibile con schema a L e schema a T.

Kuriyama Couplings - Coupling & Accessories

Aluminum Quick-Acting Couplings

Agriculture • Chemicals/Petroleum • Construction • Material Handling

Aluminum Part A Male Adapter x Female NPT

Part Number	Size	Weight Each (lbs)
AL-A050	1/2" x 1/2"	0.10
AL-A075	3/4"	0.13
AL-A100	1"	0.12
AL-A125	1 1/4"	0.20
AL-A150	1 1/2"	0.28
AL-A200	2"	0.38
AL-A250	2 1/2"	0.58
AL-A300	3"	0.70
AL-A400	4"	1.34
AL-A500	5"	1.62
AL-A600	6"	2.00
* AL-A800	8"	10.90
* HDAL-A801	8"	12.10

Aluminum Part B Female Coupler x Male NPT

Part Number	Size	Weight Each (lbs)
AL-B050‡	1/2" x 1/2"	0.18
AL-B075•	3/4"	0.24
AL-B100•	1"	0.36
AL-B125•	1 1/4"	0.62
AL-B150•	1 1/2"	0.70
AL-B200•	2"	0.86
AL-B250•	2 1/2"	1.02
AL-B300•	3"	1.56
AL-B400•	4"	2.42
AL-B500•	5"	3.34
AL-B600•	6"	4.98

Aluminum Part C Female Coupler x Hose Shank

Part Number	Size	Weight Each (lbs)
AL-C050‡	1/2" x 1/2"	0.20
AL-C075•	3/4"	0.26
AL-C100•	1"	0.42
AL-C125•	1 1/4"	0.68
AL-C150•	1 1/2"	0.74
AL-C200•	2"	0.98
AL-C250•	2 1/2"	1.28
AL-C300•	3"	2.20
AL-C400•	4"	3.16
AL-C500•	5"	3.88
AL-C600•	6"	7.70
*† AL-C800•	8"	15.50
*† HDAL-C801	8"	18.25

Aluminum Part D Female Coupler x Female NPT

Made in America

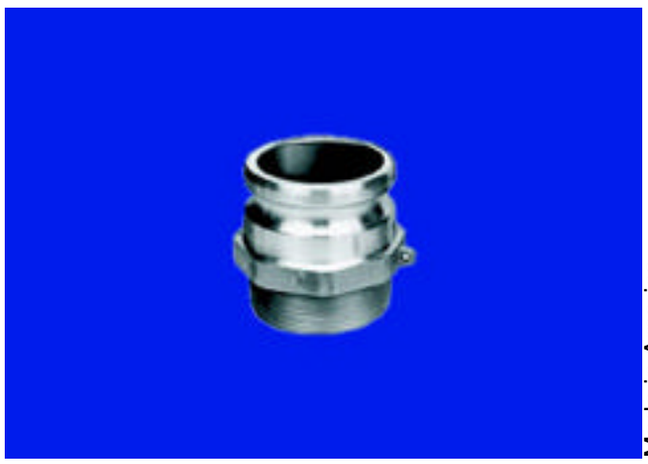
Part Number	Size	Weight Each (lbs)
AL-D050‡	1/2" x 1/2"	0.18
AL-D075•	3/4"	0.22
AL-D100•	1"	0.42
AL-D125•	1 1/4"	0.68
AL-D150•	1 1/2"	0.80
AL-D200•	2"	0.92
AL-D250•	2 1/2"	1.18
AL-D300•	3"	1.80
AL-D400•	4"	2.82
AL-D500•	5"	3.42
AL-D600•	6"	5.11
*† AL-D800•	8"	9.50

Aluminum Part E Female Coupler x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
AL-E050‡	1/2" x 1/2"	0.08
AL-E075	3/4"	0.11
AL-E100	1"	0.20
AL-E125	1 1/4"	0.26
AL-E150	1 1/2"	0.38
AL-E200	2"	0.60
AL-E250	2 1/2"	0.86
AL-E300	3"	1.32
AL-E400	4"	2.10
AL-E500	5"	3.56
AL-E600	6"	6.16
* AL-E800	8"	10.00
* HDAL-E801	8"	11.75

Aluminum Part F Female Coupler x Male NPT



Made in America

Part Number	Size	Weight Each (lbs)
AL-F050‡	1/2" x 1/2"	0.14
AL-F075	3/4"	0.16
AL-F100	1"	0.20
AL-F125	1 1/4"	0.34
AL-F150	1 1/2"	0.46
AL-F200	2"	0.68
AL-F250	2 1/2"	0.96
AL-F300	3"	1.30
AL-F400	4"	2.32
AL-F500	5"	2.94
AL-F600	6"	3.92

Aluminum Part DC Dust Cap

Made in America

Part Number	Size	Weight Each (lbs)
AL-DC050‡	1/2” x 1/2”	0.18
AL-DC075•	3/4"	0.22
AL-DC100•	1"	0.34
AL-DC125•	1 1/4"	0.58
AL-DC150•	1 1/2"	0.64
AL-DC200•	2"	0.80
AL-DC250•	2 1/2"	0.94
AL-DC300•	3"	1.44
AL-DC400•	4"	2.34
AL-DC500•	5"	3.06
AL-DC600•	6"	4.66
*† AL-DC800•	8"	9.04

Aluminum Part DC Dust Plug

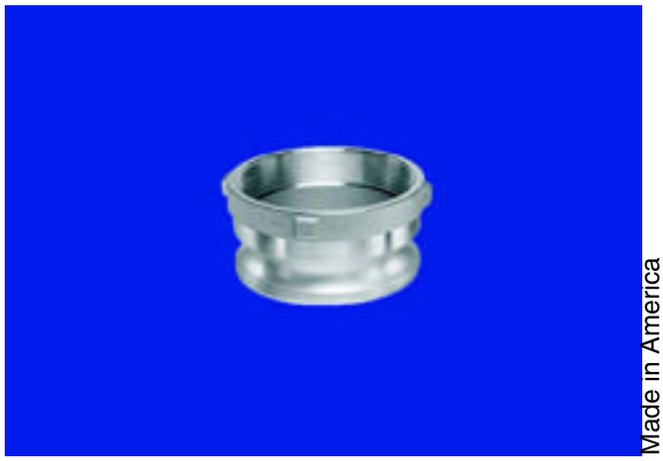
Made in America

Part Number	Size	Weight Each (lbs)
AL-DP050	1/2” x 1/2”	0.07
AL-DP075	3/4"	0.08
AL-DP100	1"	0.10
AL-DP125	1 1/4"	0.18
AL-DP150	1 1/2"	0.25
AL-DP200	2"	0.38
AL-DP250	2 1/2"	0.54
AL-DP300	3"	0.74
AL-DP400	4"	1.22
AL-DP500	5"	1.46
AL-DP600	6"	2.53

Note: Dust Caps & Dust Plugs are NOT DESIGNED FOR PRESSURE APPLICATIONS.

• These couplers are supplied with locking feature...safety clips may be inserted to lock handles, preventing disconnection during product transfer.
‡ Size 1/2" x 1/2" supplied with one forged brass handle.
† Supplied with 4 locking handles, safety clips, pull rings and chains.
* See next page for interchange information.
See Material Specifications & Operating Pressure Charts on Pages 947 & 948

Aluminum Part A Male Adapter x Female NPT



Part Number	Description	Size	Weight Each (lbs)
HDAL-A801	NEW Heavy Duty	8"	12.10
AL-A800	Standard	8"	10.90

Aluminum Part C Female Coupler x Hose Shank

Part Number	Description	Size	Weight Each (lbs)
HDAL-C801	NEW Heavy Duty	8"	18.25
AL-C800	Standard	8"	15.50

Aluminum Part E Male Adapter x Female NPT

Part Number	Description	Size	Weight Each (lbs)
HDAL-E801	NEW Heavy Duty	8"	11.75
AL-E800	Standard	8"	10.00

Kuriyama now offers two styles of Aluminum Quick Acting Couplings in 8¨.
There are two separate designs of 8" couplings in today's market.
The two separate designs do not interchange.
Compare Kuriyama's NEW heavy duty version for interchangeability with current Ever-Tite, Andrews, and NECO couplings.
Compare Kuriyama's standard version with current PT couplings.

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

Petroleum Couplings
Petroleum

Heavy Duty Aluminum Part C Female Coupler x Hose Shank with Forged Brass Handles

Made in America

Part Number	Size	Weight Each (lbs)
TCC-300-A	3”	2.65
TCC-400-A	4”	3.70

Aluminum Vapor Recovery Coupler with Probe with Forged Brass Handles, Coupler x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
VRP-A4030	4" x 3"	3.04

Aluminum Vapor Recovery Coupler with Probe with Forged Brass Handles, Coupler x Adapter

Made in America

Part Number	Size	Weight Each (lbs)
DAP-4030	4" x 3"	3.54

Aluminum Vapor Recovery Coupler with Probe and Forged Brass Handles, Coupler x Female Thread

Made in America

Part Number	Coupler Size	Female NPT Size	Weight Each (lbs)
CGDP-A4030	4"	3	"3.08
CGDP-A4040	4"	4	"3.80

Aluminum Part E Male Adapter x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
AL-E200	2"	0.60
AL-E300	3"	1.32
AL-E400	4"	2.10

API Aluminum Coupler x Adapter

Made in America

Part Number	Adapter Size	Coupler Size	Weight Each (lbs)
TCDA-A4030	3”	4" API	4.25
TCDA-A4040	4"	4" API	4.50

API Aluminum Coupler x Coupler

Made in America

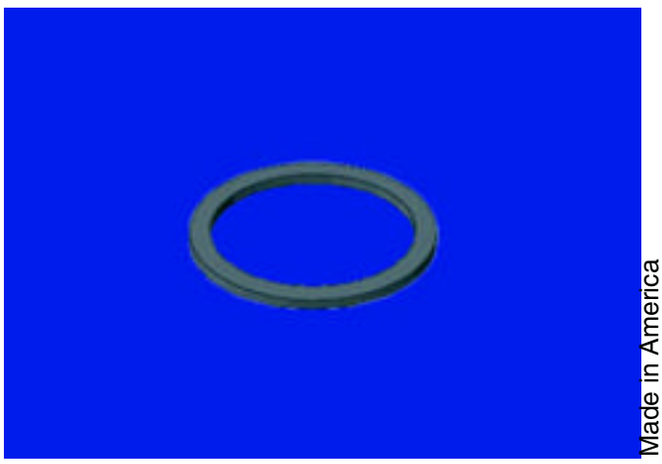
Part Number	Adapter Size	Coupler Size	Weight Each (lbs)
TCDD-A4040	4”	4" API	6.00

API Aluminum Dust Cap

Made in America

Part Number	Size	Weight Each (lbs)
TCDC-A400	4”	3.00

Buna Gasket for API Couplings



Made in America

Part Number	Size	Weight Each (lbs)
TCG-400	4”	0.07

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

ALSH Aluminum Quick-Acting Couplings

with Stainless Steel Handles, Slot Pins, Safety Clips and Pull Rings
Agricultural Applications

Aluminum Part B Female Coupler x Male NPT with LTW™ Investment-Cast Stainless Steel Locking Handles

Made in America

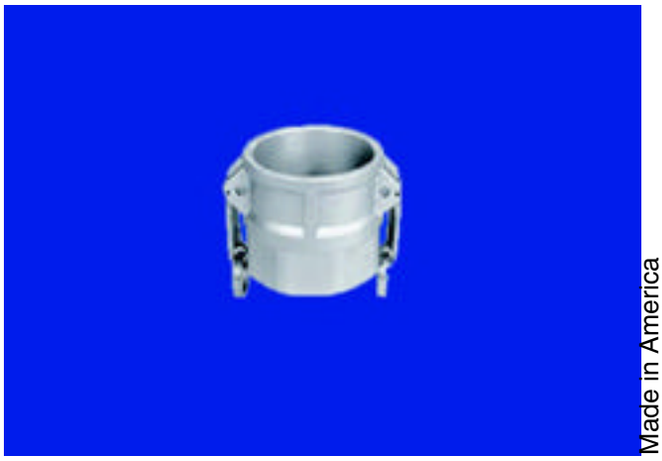
Part Number	Size	Weight Each (lbs)
ALSH-B100	1”	0.36
ALSH-B125		0.62
ALSH-B150		0.70
ALSH-B200		0.86
ALSH-B250		1.02
ALSH-B300		1.56
ALSH-B400		2.42

Aluminum Part C Female Coupler x Hose Shank with LTW™ Investment-Cast Stainless Steel Locking Handles

Made in America

Part Number	Size	Weight Each (lbs)
ALSH-C100	1"	0.42
ALSH-C125	1 1/4”	0.68
ALSH-C150	1 1/2”	0.74
ALSH-C200	2”	0.98
ALSH-C250	2 1/2”	1.28
ALSH-C300	3”	2.20
ALSH-C400	4”	3.16

Aluminum Part D Female Coupler x Female NPT with LTW™ Investment-Cast Stainless Steel Locking Handles



Made in America

Part Number	Size	Weight Each (lbs)
ALSH-D100	1"	0.42
ALSH-D125	1 1/4"	0.68
ALSH-D150	1 1/2"	0.80
ALSH-D200	2"	0.92
ALSH-D250	2 1/2"	1.18
ALSH-D300	3"	1.80
ALSH-D400	4"	2.82

Aluminum Part DC Dust Cap with LTW™ Investment-Cast Stainless Steel Locking Handles

Made in America

Part Number	Size	Weight Each (lbs)
ALSH-DC100	1"	0.34
ALSH-DC125	1 1/4"	0.58
ALSH-DC150	1 1/2"	0.64
ALSH-DC200	2"	0.80
ALSH-DC250	2 1/2"	0.94
ALSH-DC300	3"	1.44
ALSH-DC400	4"	2.34

Note: These couplers are supplied with locking feature...safety clips may be inserted to lock handles, preventing disconnection during product transfer.

Cast Aluminum Compression Quick Couplings & Adapters

For attachment to .065" aluminum tubing for DRY pneumatic systems only. Complete with nut and washer.

Cast Aluminum Compression Quick Couplers - BC

Made in America

Part Number	Size	Weight Each (lbs)
BCAL150	1 1/2"	0.96
BCAL200	2"	1.16
BCAL250	2 1/2"	1.54
BCAL300	3"	2.08

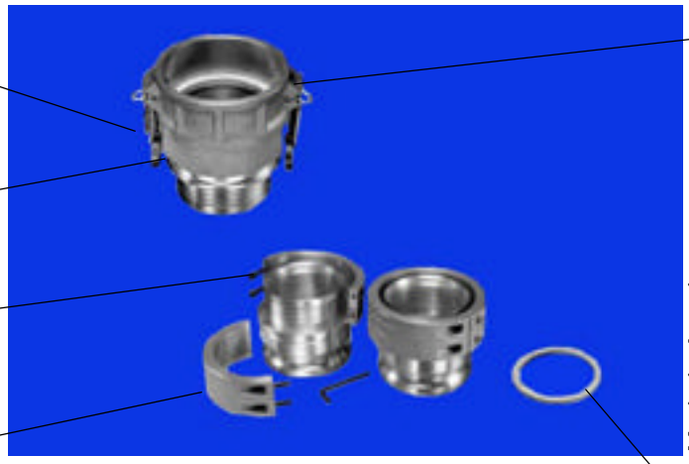
Cast Aluminum Compression Adapters - FC

Made in America

Part Number	Size	Weight Each (lbs)
FCAL150	1 1/2"	0.52
FCAL200	2"	0.72
FCAL250	2 1/2"	1.32
FCAL300	3"	1.46

NOTE: All Compression Quick Couplers are fully interchangeable with any other adapters made to MIL Specs.

Our specially-designed swivel quick-couplers minimize the torque and twisting that occurs when a hose is in service. Suggested for use with 4" ID 2020, 2001, PF and WU Series hoses.



Swivel Couplings - Aluminum Cam & Groove
For use with Series PF, 2001, 2020 & WU hoses

Part Number	Size	Description	Weight Each (lbs)
SCAL-C400	4”	Female Part "C”	5.50
SCAL-E400	4”	Male Part "E”	3.20
WNIT400	4”	White Nitrile Gasket	0.66

Note: Swivel Couplings are fully in- terchangeable with any other adapters made to MIL Specs.

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

SS304 Stainless Steel Quick-Acting Couplings

Agriculture • Chemicals/Petroleum

Made in America

Part Number	Size	Weight Each (lbs)
SS304-A050	1/2" x 1/2"	0.20
SS304-A075	3/4"	0.26
SS304-A100	1"	0.34
SS304-A125	1 1/4"	0.62
SS304-A150	1 1/2"	0.80
SS304-A200	2"	1.12
SS304-A250	2 1/2"	1.76
SS304-A300	3"	2.16
SS304-A400	4"	3.74
SS304-A500	5"	4.30
SS304-A600	6"	8.55

Stainless Steel Part B Female Coupler x Male NPT

Made in America

Part Number	Size	Weight Each (lbs)
SS304-B050‡	1/2" x 1/2"	0.30
SS304-B075•	3/4"	0.42
SS304-B100•	1"	0.64
SS304-B125•	1 1/4"	1.32
SS304-B150•	1 1/2"	1.50
SS304-B200•	2"	1.92
SS304-B250•	2 1/2"	2.68
SS304-B300•	3"	3.20
SS304-B400•	4"	6.58
SS304-B500•	5"	6.80
SS304-B600•	6"	10.98

Stainless Steel Part C Female Coupler x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
SS304-C050‡	1/2" x 1/2"	0.30
SS304-C075•	3/4"	0.46
SS304-C100•	1"	0.74
SS304-C125•	1 1/4"	1.41
SS304-C150•	1 1/2"	1.68
SS304-C200•	2"	2.30
SS304-C250•	2 1/2"	3.10
SS304-C300•	3"	4.12
SS304-C400•	4"	6.98
SS304-C500•	5"	9.60
SS304-C600•	6"	14.55

Stainless Steel Part D Female Coupler x Female NPT

Made in America

Part Number	Size	Weight Each (lbs)
SS304-D050‡	1/2" x 1/2"	0.40
SS304-D075•	3/4"	0.52
SS304-D100•	1"	0.74
SS304-D125•	1 1/4"	1.47
SS304-D150•	1 1/2"	1.52
SS304-D200•	2"	2.16
SS304-D250•	2 1/2"	3.12
SS304-D300•	3"	3.82
SS304-D400•	4"	6.50
SS304-D500•	5"	8.00
SS304-D600•	6”	11.51

Stainless Steel Part E Male Adapter x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
SS304-E050	1/2" x 1/2”	0.25
SS304-E075	3/4”	0.36
SS304-E100	1”	0.60
SS304-E125	1 1/4”	0.95
SS304-E150	1 1/2”	1.22
SS304-E200	2”	1.98
SS304-E250	2 1/2”	2.64
SS304-E300	3”	3.90
SS304-E400	4”	6.38
SS304-E500	5”	9.10
SS304-E600	6”	13.49

Stainless Steel Part F Male Adapter x Male NPT

Made in America

Part Number	Size	Weight Each (lbs)
SS304-F050	1/2" x 1/2"	0.30
SS304-F075	3/4"	0.40
SS304-F100	1"	0.56
SS304-F125	1 1/4"	1.06
SS304-F150	1 1/2"	1.28
SS304-F200	2"	1.82
SS304-F250	2 1/2"	2.68
SS304-F300	3"	3.92
SS304-F400	4"	6.32
SS304-F500	5"	8.60
SS304-F600	6”	11.27

Stainless Steel Part DC Dust Cap

Made in America

Part Number	Size	Weight Each (lbs)
SS304-DC050‡	1/2" x 1/2"	0.25
SS304-DC075•	3/4"	0.36
SS304-DC100•	1"	0.54
SS304-DC125•	1 1/4"	1.30
SS304-DC150•	1 1/2"	1.46
SS304-DC200•	2"	1.78
SS304-DC250•	2 1/2"	2.38
SS304-DC300•	3"	3.04
SS304-DC400•	4"	5.02
SS304-DC500•	5"	6.50
SS304-DC600•	6"	9.92

Stainless Steel Part DP Dust Plug

Made in America

Part Number	Size	Weight Each (lbs)
SS304-DP050	1/2" x 1/2"	0.15
SS304-DP075	3/4"	0.20
SS304-DP100	1"	0.28
SS304-DP125	1 1/4"	0.60
SS304-DP150	1 1/2"	0.72
SS304-DP200	2"	0.96
SS304-DP250	2 1/2"	1.47
SS304-DP300	3"	1.94
SS304-DP400	4"	3.36
SS304-DP600	6"	9.08

Note: Dust Caps & Dust Plugs are NOT DESIGNED FOR PRESSURE APPLICATIONS.

• These couplers are supplied with locking feature...safety clips may be inserted to lock handles, preventing disconnection during product transfer.
‡ Size 1/2" x 1/2" supplied with one stainless steel handle.
See Material Specifications & Operating Pressure Charts on Pages 947 & 948

SS316 Stainless Steel Quick-Acting Couplings

Agricolture • Chemicals/Petroleum

Stainless Steel Part A Male Adapter x Female NPT

Made in America

Part Number	Size	Weight Each (lbs)
SS-A050	1/2" x 1/2"	0.20
SS-A075	3/4"	0.26
SS-A100	1"	0.34
SS-A125	1 1/4"	0.62
SS-A150	1 1/2"	0.80
SS-A200	2"	1.12
SS-A250	2 1/2"	1.76
SS-A300	3"	2.16
SS-A400	4"	3.74
SS-A500	5"	4.30
SS-A600	6"	8.55

Stainless Steel Part B Female Coupler x Male NPT

Made in America

Part Number	Size	Weight Each (lbs)
SS-B050‡	1/2" x 1/2"	0.30
SS-B075•	3/4"	0.42
SS-B100•	1"	0.64
SS-B125•	1 1/4"	1.32
SS-B150•	1 1/2"	1.50
SS-B200•	2"	1.92
SS-B250•	2 1/2"	2.68
SS-B300•	3"	3.20
SS-B400•	4"	6.58
SS-B500•	5"	6.80
SS-B600•	6"	10.98

Stainless Steel Part C Female Coupler x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
SS-C050‡	1/2" x 1/2"	0.30
SS-C075•	3/4"	0.46
SS-C100•	1"	0.74
SS-C125•	1 1/4"	1.41
SS-C150•	1 1/2"	1.68
SS-C200•	2"	2.30
SS-C250•	2 1/2"	3.10
SS-C300•	3"	4.12
SS-C400•	4"	6.98
SS-C500•	5"	10.32
SS-C600•	6"	14.55

Stainless Steel Part D Female Coupler x Female NPT

Made in America

Part Number	Size	Weight Each (lbs)
SS-D050‡	1/2" x 1/2"	0.40
SS-D075•	3/4"	0.52
SS-D100•	1"	0.74
SS-D125•	1 1/4"	1.47
SS-D150•	1 1/2"	1.52
SS-D200•	2"	2.16
SS-D250•	2 1/2"	3.12
SS-D300•	3"	3.82
SS-D400•	4"	6.50
SS-D500•	5"	8.00
SS-D600•	6”	11.51

Stainless Steel Part E Male Adapter x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
SS-E050	1/2" x 1/2"	0.25
SS-E075	3/4"	0.36
SS-E100	1"	0.60
SS-E125	1 1/4"	0.95
SS-E150	1 1/2"	1.22
SS-E200	2"	1.98
SS-E250	2 1/2"	2.64
SS-E300	3"	3.90
SS-E400	4"	6.38
SS-E500	5"	8.82
SS-E600	6"	13.49

Stainless Steel Part F Male Adapter x Male NPT

Made in America

Part Number	Size	Weight Each (lbs)
SS-F050	1/2" x 1/2"	0.30
SS-F075	3/4"	0.40
SS-F100	1"	0.56
SS-F125	1 1/4"	1.06
SS-F150	1 1/2"	1.28
SS-F200	2"	1.82
SS-F250	2 1/2"	2.68
SS-F300	3"	3.92
SS-F400	4"	6.32
SS-F500	5"	8.26
SS-F600	6"	11.27

Stainless Steel Part DC Dust Cap

Part Number	Size	Weight Each (lbs)
SS-DC050‡	1/2" x 1/2"	0.25
SS-DC075•	3/4"	0.36
SS-DC100•	1"	0.54
SS-DC125•	1 1/4"	1.30
SS-DC150•	1 1/2"	1.46
SS-DC200•	2"	1.78
SS-DC250•	2 1/2"	2.38
SS-DC300•	3"	3.04
SS-DC400•	4"	5.02
SS-DC500•	5"	7.35
SS-DC600•	6"	9.92

Stainless Steel Part DP Dust Plug

Part Number	Size	Weight Each (lbs)
SS-DP050	1/2" x 1/2"	0.15
SS-DP075	3/4"	0.20
SS-DP100	1"	0.28
SS-DP125	1 1/4"	0.60
SS-DP150	1 1/2"	0.72
SS-DP200	2"	0.96
SS-DP250	2 1/2"	1.47
SS-DP300	3"	1.94
SS-DP400	4"	3.36
SS-DP600	6"	9.08

Note: Dust Caps & Dust Plugs are NOT DESIGNED FOR PRESSURE APPLICATIONS.

• These couplers are supplied with locking feature...safety clips may be inserted to lock handles, preventing disconnection during product transfer.
‡ Size 1/2" x 1/2" supplied with one stainless steel handle.
See Material Specifications & Operating Pressure Charts on Pages 947 & 948

K-Loc™ Auto Lock SS316 Quick-Acting Couplings

Agrticolture • Chemicals/Petroleum
WITH (LIFETIME WARRANTEED) INVESTMENT-CAST DD LOCKING HANDLES

Part B Quick-Acting Coupler

Made in America

Part Number	Size	Weight Each (lbs)
KLOC-SS-B150•	1 1/2"	1.57
KLOC-SS-B200•	2"	2.09
KLOC-SS-B300•	3"	3.63

K-Loc™ Auto Lock SS316
Part C Quick-Acting Coupler

Made in America

Part Number	Size	Weight Each (lbs)
KLOC-SS-C150•	1 1/2"	1.87
KLOC-SS-C200•	2"	2.80
KLOC-SS-C300•	3"	5.22

K-Loc™ Auto Lock SS316
Part D Quick-Acting Coupler

Made in America

Part Number	Size	Weight Each (lbs)
KLOC-SS-D150•	1 1/2"	1.74
KLOC-SS-D200•	2"	2.26
KLOC-SS-D300•	3"	3.85

K-Loc™ Auto Lock SS316
Part DC Dust Cap

Made in America

Part Number	Size	Weight Each (lbs)
KLOC-SS-DC150•	11/2"	1.49
KLOC-SS-DC200•	2"	1.89
KLOC-SS-DC300•	3"	3.33

K-Loc™ Auto Lock SS
Investment-Cast LTW™
Replacement Handles‡, 316 SS Slot Pins, SS Safety Clips & SS Pull Rings

Made in America

Part Number	Size (lbs)
K-LOCSSHA200	11/2" & 2"
K-LOCSSHA300	3"

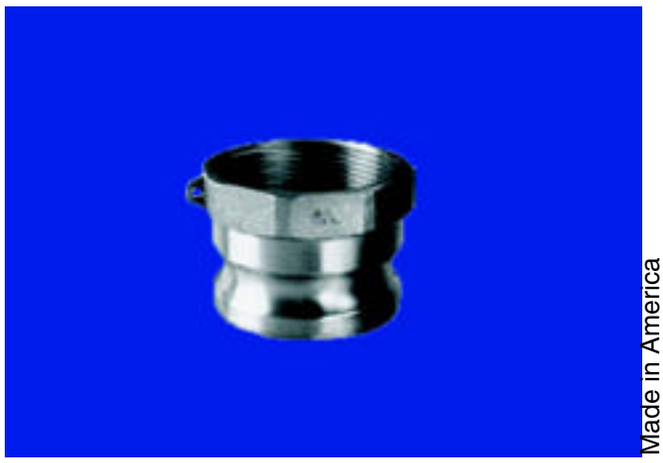
‡ Note: If a K-Loc™ Auto Lock handle breaks, it can be replaced with a standard LTW™ Investment-Cast SS handle to make the coupling functional. Although the K-Loc™ Auto Lock locking feature would no longer be present, locking can still be accomplished by inserting a safety clip through the holes provided.

• These couplers are supplied with special K-Loc™ Auto Lock LTW locking handles.

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

Brass Quick-Acting Couplings
Chemicals/Petroleum • Construction

Brass Part A Male Adapter x Female NPT



Made in America

Part Number	Size	Weight Each (lbs)
BR-A050	1/2" x 1/2"	0.15
BR-A075	3/4"	0.24
BR-A100	1"	0.34
BR-A125	1 1/4"	0.73
BR-A150	1 1/2"	0.66
BR-A200	2"	0.86
BR-A250	2 1/2"	1.61
BR-A300	3"	1.72
BR-A400	4"	3.41
BR-A500	5"	4.85
BR-A600	6"	7.27

Brass Part B Female Coupler x Male NPT

Made in America

Part Number	Size	Weight Each (lbs)
BR-B050‡	1/2" x 1/2"	0.36
BR-B075•	3/4"	0.44
BR-B100•	1"	0.66
BR-B125•	1 1/4"	1.19
BR-B150•	1 1/2"	1.21
BR-B200•	2"	1.39
BR-B250•	2 1/2"	1.87
BR-B300•	3"	5.36
BR-B400•	4"	4.19
BR-B500•	5"	5.18
BR-B600•	6"	8.15

Brass Part C Female Coupler x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
BR-C050‡	1/2" x 1/2"	0.35
BR-C075•	3/4"	0.53
BR-C100•	1"	0.81
BR-C125•	1 1/4"	1.23
BR-C150•	1 1/2"	1.32
BR-C200•	2"	1.72
BR-C250•	2 1/2"	2.42
BR-C300•	3"	3.74
BR-C400•	4"	5.51
BR-C500•	5"	7.27
BR-C600	6"	13.77

Brass Part D Female Coupler x Female NPT

Made in America

Part Number	Size	Weight Each (lbs)
BR-D050‡	1/2" x 1/2"	0.35
BR-D075•	3/4"	0.51
BR-D100•	1"	0.75
BR-D125•	1 1/4"	1.12
BR-D150•	1 1/2"	1.21
BR-D200•	2"	1.43
BR-D250•	2 1/2"	1.87
BR-D300•	3"	3.13
BR-D400•	4"	5.29
BR-D500•	5"	5.62
BR-D600	6"	10.95

Brass Part E Male Adapter x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
BR-E050	1/2" x 1/2"	0.24
BR-E075	3/4"	0.36
BR-E100	1"	0.59
BR-E125	1 1/4"	0.75
BR-E150	1 1/2"	1.01
BR-E200	2"	1.54
BR-E250	2 1/2"	2.11
BR-E300	3"	3.08
BR-E400	4"	4.30
BR-E500	5"	7.60
BR-E600	6"	12.33

Brass Part F Male Adapter x Male NPT

Made in America

Part Number	Size	Weight Each (lbs)
BR-F050	1/2" x 1/2"	0.22
BR-F075	3/4"	0.33
BR-F100	1"	0.53
BR-F125	1 1/4"	0.66
BR-F150	1 1/2"	0.88
BR-F200	2"	1.08
BR-F250	2 1/2"	1.85
BR-F300	3"	2.42
BR-F400	4"	3.74
BR-F500	5"	4.63
BR-F600	6"	9.03

Brass Part DC Dust Cap

Made in America

Part Number	Size	Weight Each
BR-DC075•	3/4"	0.42
BR-DC100•	1"	0.66
BR-DC125•	1 1/4"	0.95
BR-DC150•	1 1/2"	1.04
BR-DC200•	2"	1.32
BR-DC250•	2 1/2"	2.05
BR-DC300•	3"	2.20
BR-DC400•	4"	3.96
BR-DC500•	5"	4.74
BR-DC600•	6"	8.59

Brass Part DP Dust Plug

Made in America

Part Number	Size	Weight Each
BR-DP075	3/4"	0.22
BR-DP100	1"	0.33
BR-DP125	1 1/4"	0.46
BR-DP150	1 1/2"	0.53
BR-DP200	2"	0.99
BR-DP250	2 1/2"	0.99
BR-DP300	3"	1.65
BR-DP400	4"	2.42
BR-DP500	5"	3.74
BR-DP600	6"	4.74

Note: Dust Caps & Dust Plugs are NOT DESIGNED FOR PRESSURE APPLICATIONS.

• These couplers are supplied with locking feature...safety clips may be inserted to lock handles, preventing disconnection during product transfer.
‡ Size 1/2" x 1/2" supplied with one forged brass handle.

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

Reducing Coupler/Adapters, Spool Adapters, Flange Adapter & Coupler, Coupler x Coupler
Chemicals/Petroleum

Aluminum Reducing Coupler x Hose Shank

Part Number	Size	Weight Each (lbs)
AL-C4030	4” x 3”	2.94

Aluminum Reducing Coupler/Adapter - Part D x A with Forged Brass Handles

Part Number	Size	Weight Each (lbs)
RDA-A2030	2" x 3"	1.64
RDA-A3020	3" x 2"	2.37
RDA-A3040	3" x 4"	2.60
RDA-A4020	4" x 2"	2.70
RDA-A4030	4" x 3"	2.96
RDA-A6040	6" x 4"	6.66

Brass Reducing Coupler/Adapter - Part D x A with Forged Brass Handles

Part Number	Size	Weight Each (lbs)
RDA-B2030	2" x 3"	2.86
RDA-B3020	3" x 2"	6.12
RDA-B4020	4" x 2"	7.07
RDA-B4030	4" x 3"	9.42

Stainless Steel Reducing Coupler/Adapter - Part D x A with LTW (Lifetime Warranteed) Investment-Cast SS Locking Handles

Made in America

Part Number	Size	Weight Each (lbs)
RDA-SS3020	3" x 2"	4.08
RDA-SS4030	4" x 3"	6.41
RDA-SS6040	6" x 4"	12.10

Aluminum Adapter x 150# ASA Flange Drilling

Made in America

Part Number	Size	Weight Each (lbs)
FL-AL-A300	3"	3.86
FL-AL-A400	4"	5.86
FL-AL-A600	6"	9.92

Aluminum DD Coupler x Coupler with Forged Brass Handles and Carbon Steel Safety Clips

Made in America

Part Number	Size	Weight Each (lbs)
DD-AL200	2" x 2"	1.43
DD-AL300	3" x 3"	2.40
DD-AL400	4" x 4"	3.90

Aluminum Spool Adapters

Part Number	Size	Weight Each (lbs)
SA-A150	1 1/2" x 1 1/2"	0.43
SA-A200	2" x 2"	0.68
SA-A2030	2" x 3"	0.97
SA-A300	3" x 3"	1.10
SA-A3040	3" x 4"	1.78
SA-A400	4" x 4"	1.91

Brass Spool Adapters

Part Number	Size	Weight Each (lbs)
SA-B150	1 1/2" x 1 1/2”	1.35
SA-B200	2" x 2”	2.11
SA-B250	2 1/2" x 2 1/2”	3.55
SA-B300	3" x 3”	3.69
SA-B400	4" x 4”	5.97

Stainless Steel Spool Adapters

Part Number	Size	Weight Each (lbs)
SA-SS150	1 1/2" x 1 1/2"	1.76
SA-SS1520	1 1/2" x 2"	2.10
SA-SS200	2" x 2"	2.48
SA-SS2030	2" x 3"	3.14
SA-SS300	3" x 3"	4.61
SA-SS3040	3" x 4"	5.28
SA-SS400	4" x 4"	7.28

Aluminum Coupler x 150# ASA Flange Drilling

Made in America

Part Number	Size	Weight Each (lbs)
FL-AL-D300	3"	5.07
FL-AL-D400	4"	7.94
FL-AL-D600	6"	12.89

Stainless Steel DD Coupler x Coupler with LTW (Lifetime Warranted) Investment-Cast SS Locking Handles and SS Safety Clips

Made in America

Part Number	Size	Weight Each (lbs)
DD-SS150	11/2" x 11/2"	2.10
DD-SS200	2" x 2"	2.89
DD-SS300	3" x 3"	5.11
DD-SS400	4" x 4"	6.66

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

Glass Reinforced Nylon Quick-Acting Couplings
Agriculture • Construction

Glass Reinforced Nylon
Part A Male Adapter x Female NPT

Part Number	Size	Weight Each (lbs)
GRA100	1"	0.16
GRA150	1 1/2"	0.18
GRA200	2"	0.26
GRA300	3"	0.46
GRA400	4"	0.92

Glass Reinforced Nylon
Part B Female Coupler x Male NPT

Part Number	Size	Weight Each (lbs)
GRB100•	1"	0.16
GRB150•	1 1/2"	0.46
GRB200•	2"	0.52
GRB300•	3"	1.02
GRB400•■	4"	1.34

Glass Reinforced Nylon
Part C Female Coupler x Hose Shank

Part Number	Size	Weight Each (lbs)
GRC100•	1"	0.18
GRC150•	1 1/2"	0.50
GRC200•	2"	0.58
GRC300•	3"	1.24
GRC400•■	4"	1.60

Glass Reinforced Nylon
Part D Female Coupler x Female NPT

Made in America

Part Number	Size	Weight Each (lbs)
GRD100•	1"	0.18
GRD150•	1 1/2"	0.50
GRD200•	2"	0.58
GRD300•	3"	1.04
GRD400•■	4"	1.48

Glass Reinforced Nylon
Part E Male Adapter x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
GRE100	1"	0.02
GRE150	1 1/2"	0.18
GRE200	2"	0.28
GRE300	3"	0.66
GRE400	4"	1.04

Glass Reinforced Nylon
Part F Male Adapter x Male NPT

Made in America

Part Number	Size	Weight Each (lbs)
GRF100	1”	0.10
GRF150	1 1/2”	0.18
GRF200	2”	0.28
GRF300	3”	0.66
GRF400	4”	0.90

Glass Reinforced Nylon Part DC Dust Cap

Part Number	Size	Weight Each (lbs)
GRDC100•	1"	0.16
GRDC150•	1 1/2"	0.46
GRDC200•	2"	0.50
GRDC300•	3"	0.96
GRDC400•■	4"	1.16

Glass Reinforced Nylon Part DP Dust Plug

Part Number	Size	Weight Each (lbs)
GRDP100	1"	0.06
GRDP150	1 1/2"	0.12
GRDP200	2"	0.20
GRDP300	3"	0.36
GRDP400	4”	0.60

Note: Dust Caps & Dust Plugs are NOT DESIGNED FOR PRESSURE APPLICATIONS.

Glass Reinforced Nylon Combination Hose Nipples - GRN Series / NPT Thread

Part Number	Size	Weight Each (lbs)
GRN050	1/2"	0.02
GRN075	3/4"	0.04
GRN100	1"	0.06
GRN125	1 1/4"	0.08
GRN150	1 1/2"	0.12
GRN200	2"	0.22
GRN300	3"	0.54
GRN400	4"	0.80

• These couplers are supplied with locking feature...safety clips may be inserted to lock handles, preventing disconnection during product transfer.
■ All 4" couplers are supplied with THREE locking handles to provide additional stability and prevent wobbling.

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

Polypropylene Quick-Acting Couplings
Agriculture • Construction

Polypropylene Part A Male Adapter x Female NPT

Made in America

Part Number	Size	Weight Each (lbs)
PPA050	1/2" x 1/2"	0.04
PPA075	3/4"	0.05
PPA100	1"	0.05
PPA125	11/4" x 11/4"	0.10
PPA150	11/2"	0.14
PPA200	2"	0.19
PPA300	3"	0.48
PPA400	4"	1.02

Polypropylene Part B Female Coupler x Male NPT

Made in America

Part Number	Size	Weight Each (lbs)
PPB050■	1/2" x 1/2"	0.04
PPB075•■	3/4"	0.18
PPB100•	1"	0.26
PPB125•	1 1/4" x 1 1/4"	0.40
PPB150•	11/2"	0.49
PPB200•	2"	0.47
PPB300•	3"	1.17
PPB400•	4"	1.44

Polypropylene Part C Female Coupler x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
PPC050■	1/2" x 1/2"	0.17
PPC075•■	3/4”	0.19
PPC100•	1"	0.27
PPC125•	1 1/4" x 1 1/4"	0.40
PPC150•	11/2"	0.51
PPC200•	2"	0.61
PPC300•	3"	1.28
PPC400•‡	4"	1.70

Polypropylene Part D Female Coupler x Female NPT

Made in America

Part Number	Size	Weight Each (lbs)
PPD050■	1/2" x 1/2"	0.18
PPD075•■	3/4"	0.19
PPD100•	1"	0.25
PPD125•	1 1/4" x 1 1/4"	0.41
PPD150•	1 1/2"	0.53
PPD200•	2"	0.55
PPD300•	3"	1.17
PPD400•‡	4"	1.58

Polypropylene Part E Male Adapter x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
PPE050	1/2" x 1/2"	0.03
PPE075	3/4"	0.06
PPE100	1"	0.08
PPE125	1 1/4"X 1 1/4"	0.15
PPE150	11/2"	0.17
PPE200	2"	0.30
PPE300	3"	0.76
PPE400	4"	1.00

Polypropylene Part F Male Adapter x Male NPT

Made in America

Part Number	Size	Weight Each (lbs)
PPF050	1/2" x 1/2"	0.04
PPF075	3/4"	0.06
PPF100	1"	0.11
PPF125	1 1/4" x 1 1/4"	0.15
PPF150	11/2"	0.18
PPF200	2"	0.29
PPF300	3"	0.56
PPF400	4"	0.81

Polypropylene 90° Male Adapter x Female NPT

Made in America

Part Number	Size	Weight Each (lbs)
PP150A90	1 1/2"	0.23
PP200A90	2"	0.36

Polypropylene 90° Female Coupler x Hose Shank

Made in America

Part Number	Size	Weight Each (lbs)
PP150C90•	1 1/2"	0.56
PP200C90•	2"	0.73

Polypropylene 90° Female Coupler x Female NPT

Made in America

Part Number	Size	Weight Each (lbs)
PP150D90•	1 1/2"	0.65
PP200D90•	2"	0.78

• These couplers are supplied with locking feature...safety clips may be inserted to lock handles, preventing disconnection during product transfer.
‡ All 4" couplers are supplied with THREE locking handles to provide additional stability and prevent wobbling.
■ These couplers are supplied with 2 sintered stainless steel handles.

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

Polypropylene 90° Male Adapter x Male NPT

Part Number	Size	Weight Each (lbs)
PP150F90	1 1/2"	0.27
PP200F90	2"	0.41

Polypropylene Combination Hose Nipples - PPN Series / NPT Thread

Part Number	Size	Weight Each (lbs)
PPN050	1/2"	0.03
PPN075	3/4"	0.06
PPN100	1"	0.07
PPN125	1 1/4"	0.11
PPN150	1 1/2"	0.13
PPN200	2"	0.22
PPN300	3"	0.55

Polypropylene Part DC Dust Cap

Part Number	Size	Weight Each (lbs)
PPDC050■	1/2"	0.16
PPDC075•■	3/4"	0.17
PPDC100•	1"	0.24
PPDC125•	11/4"	0.42
PPDC150•	11/2"	0.47
PPDC200•	2"	0.50
PPDC300•	3"	1.11
PPDC400•‡	4"	1.06

Polypropylene Part DP Dust Plug

Made in America

Part Number	Size	Weight Each (lbs)
PPDP050	1/2"	0.02
PPDP075	3/4"	0.03
PPDP100	1"	0.04
PPDP125	11/4"	0.06
PPDP150	11/2"	0.10
PPDP200	2"	0.15
PPDP300	3"	0.36
PPDP400	4"	0.50

Note: Dust Caps & Dust Plugs are NOT DESIGNED FOR PRESSURE APPLICATIONS.

• These couplers are supplied with locking feature...safety clips may be inserted to lock handles, preventing disconnection during product transfer.
‡ All 4" couplers are supplied with THREE locking handles to provide additional stability and prevent wobbling.
■ These couplers are supplied with 2 sintered stainless steel handles.

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

Polypropylene Ball Valves

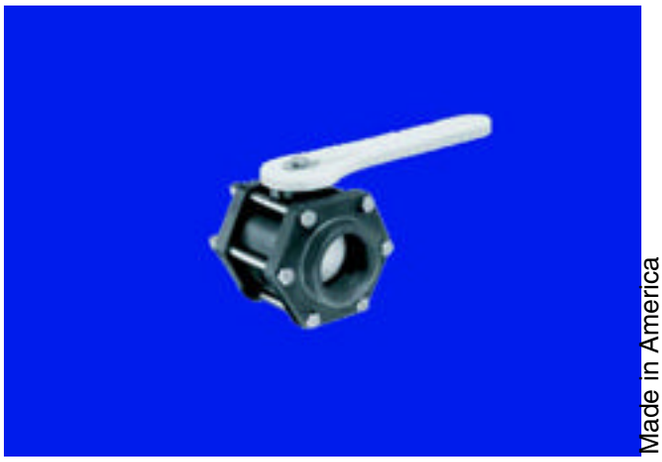
Full Port • Stainless Steel Bolts and Nuts • Teflon Seals, Viton® O-Ring Stem Seals

4-Bolt Valve Design

Made in America

Part Number	Female Thread Size	PSI	Weight Each (lbs)
PPBV050	1/2"	150	0.88
PPBV075	3/4"	150	0.85
PPBV100	1"	150	1.16
PPBV125	1 1/4"	150	1.65
PPBV150	1 1/2"	150	1.67

6-Bolt Valve Desig



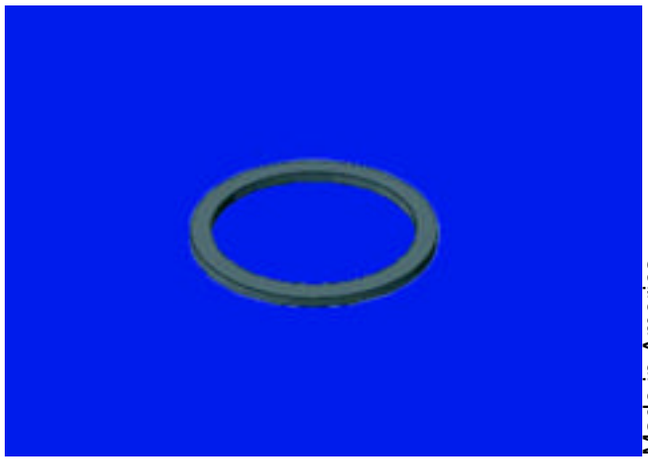
Made in America

Part Number	Female Thread Size	PSI	Weight Each (lbs)
PPBV200	2"	150	3.71
PPBV300	3"	100	6.60
PPBV400	4"	75	9.90

Viton® is a registered trademark of DuPont Performance Elastomers.

Replacement Gaskets For Quick Acting Couplings

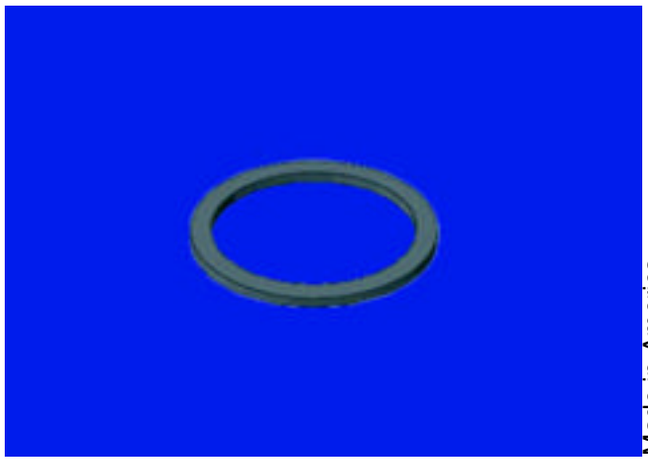
EPDM Gaskets for Quick-Acting Aluminum SS, Polypropylene and Glass Reinforced Nylon Couplings



Part Number	Size	Weight Each (lbs)
EPDM100	1"	.010
EPDM125	11/4"	.016
EPDM150	11/2"	.018
EPDM200	2"	.022
EPDM250	21/2"	.034
EPDM300	3"	.042
EPDM400	4"	.066

Temperature Rating: -60ºF to 300ºF
Note: Sold in full standard packages only

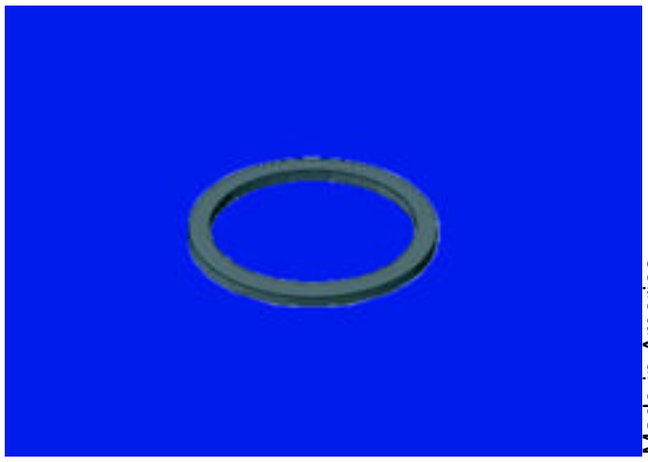
Viton® Gaskets For Quick Acting Couplings



Part Number	Size	Weight Each (lbs)
VITON050	1/2”	0.007
VITON075	3/4"	0.008
VITON100	1"	0.010
VITON125	1 1/4"	0.016
VITON150	1 1/2"	0.018
VITON200	2"	0.022
VITON250	2 1/2"	0.034
VITON300	3"	0.042
VITON400	4"	0.066

Temperature Rating: -20ºF to 400ºF
Note: Sold in full standard packages only
Viton® is a registered trademark of DuPont Performance Elastomers

Buna-N Gaskets for Aluminum, Brass, 316 Stainless and K-Loc™ Couplings



Part Number	Size	Weight Each (lbs)
BUNA075	3/4"	.008
BUNA100	1"	.010
BUNA125	11/4"	.016
BUNA150	11/2"	.018
BUNA200	2"	.022
BUNA250	21/2”	.034
BUNA300	3"	.042
BUNA400	4"	.066
BUNA500	5"	.094
BUNA600	6"	.116
BUNA800	8"	.220

Temperature Rating: -40ºF to 250ºF
Note: Sold in full standard packages only

White Neoprene (FDA) Gaskets For Quick Acting Couplings

Made in America

Part Number	Size	Weight Each (lbs)
WN100	1"	0.010
WN200	2"	0.022
WN300	3"	0.042
WN400	4"	0.066
WN500	5"	0.094
WN600	6"	0.116

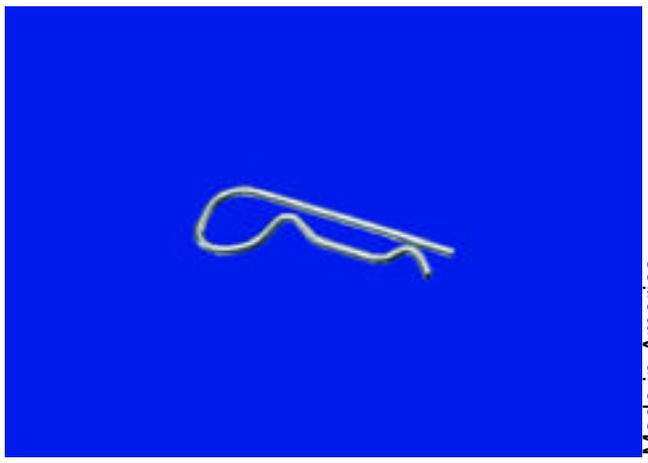
Temperature Rating: -45ºF to 250ºF
Note: Sold in full standard packages only

Replacement Handles & Safety Clips

Forged Brass Replacement Handles - with Stainless Steel Slot Pins, SS Pull Rings & SS Safety Clips

Part Number	Size
HA BRASS075	1/2" - 3/4"
HA BRASS100	1"
HA BRASS200	11/4" - 21/2"
HA BRASS300	3" - 5"
HA BRASS600	6" - 8"

Investment Cast 316 SS LTW*
Replacement Handles with SS Slot Pins, SS Pull Rings & SS Safety Clips



Part Number	Size	Weight Each (lbs)
SCSS-200	3/4" - 5	".25
SCSS-600	6 - 8	".40

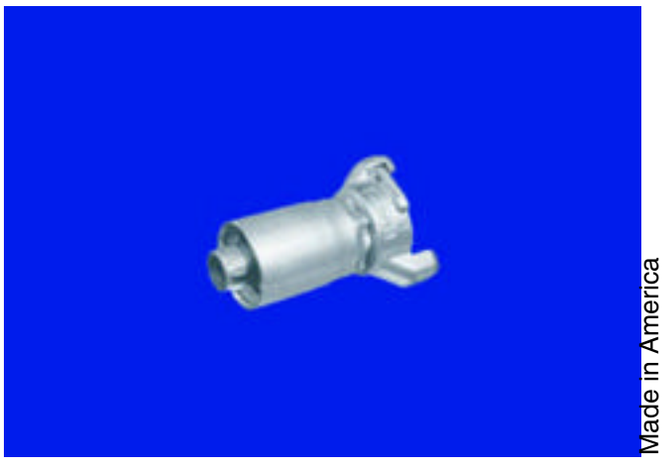
Safety Clips - 304 Stainless Steel For Use On All Types of Quick-Acting Hose Couplings

Part Number	Size
HA ST-STL075	1/2" - 3/4"
HA ST-STL100	1"
HA ST-STL200	1 1/4" - 2 1/2"
HA ST-STL300	3" - 5"
HA ST-STL600	6" - 8"

See Material Specifications & Operating Pressure Charts on Pages 947 & 948

Universal Air Hose Couplings - Plated
Construction

Plated 2-Lug Universal
Air Hose Couplings Crimp Ferrule



Part Number	Hose OD	Weight Std. Each
FHE-50	54/64” - 1 2/64”	10.00
FHE-75	1 4/64” - 1 22/64”	12.00
FHE-100	1 18/64” - 1 34/64”	13.20
FHE-101	1 30/64” - 1 46/64”	13.20

Plated 2-Lug Universal Air Hose Couplings - Hose End

Part Number	Size	Weight Std. Pkg.
‡HE-38	3/8"	11 lbs
‡HE-50	1/2"	12 lbs
‡HE-75	3/4"	14 lbs
‡HE-100	1”	16 lbs

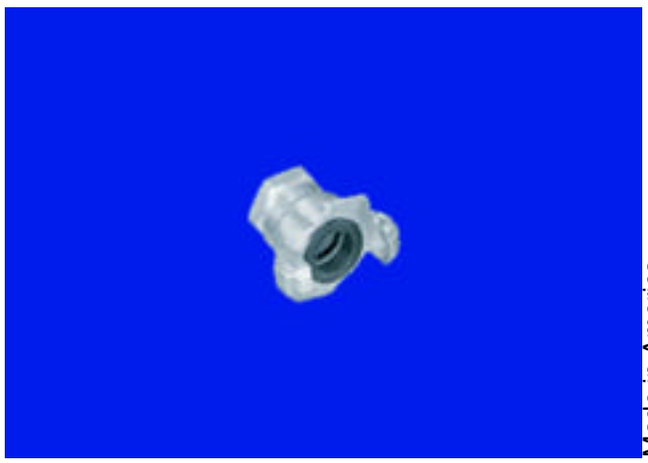
‡ Supplied with carbon steel safety clip and lanyard at NO CHARGE

Plated 4-Lug Universal Air Hose Couplings - Hose End

Part Number	Size	Weight Std. Pkg.
‡HE-125	1 1/4"	17 lbs
‡HE-150	1 1/2"	18 lbs
‡HE-200	2"	15 lbs

‡ Supplied with carbon steel safety clip and lanyard at NO CHARGE

Plated 2-Lug Universal Air Hose Couplings - Female End



Part Number	Size	Weight Std. Pkg.
FE-35	1/4”	8 lbs
FE-38	3/8"	8 lbs
FE-50	1/2"	11 lbs
FE-75	3/4"	12 lbs
FE-100	1"	13 lbs

Plated 4-Lug Universal Air Hose Couplings - Female End

Part Number	Size	Weight Std. Pkg.
FE-125	1 1/4”	9 lbs
FE-150	1 1/2"	10 lbs
FE-200	2"	4 lbs

Plated 2-Lug Universal Air Hose Couplings - Male End

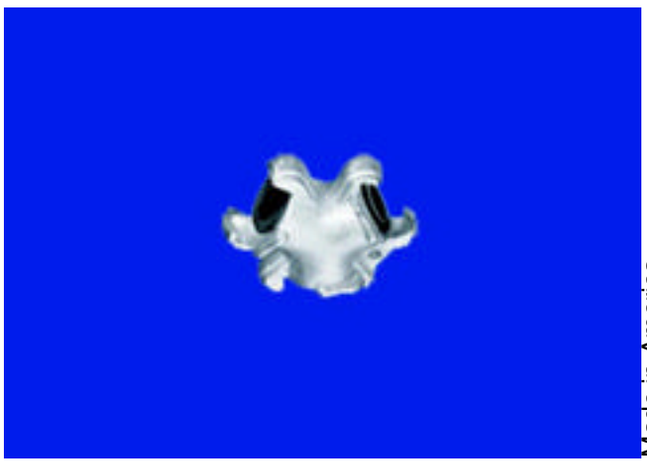
Part Number	Size	Weight Std. Ctn.
ME-25	1/4"	9 lbs
ME-38	3/8”	10 lbs
ME-50	1/2"	11 lbs
ME-75	3/4"	12 lbs
ME-100	1"	15 lbs

Plated 2-Bolt Clamp

Made in America

Part Number	Size	Weight Std. Ctn.
HC-50	1"-11/8"	8 lbs
HC-75	11/8"-15/16"	14 lbs
HC-100	117/32"-121/32"	18 lbs

Plated 3-Way Connector



Made in America

Part Number	Weight Std. Ctn.
TWC	25 lbs

Plated Blank End

Made in America

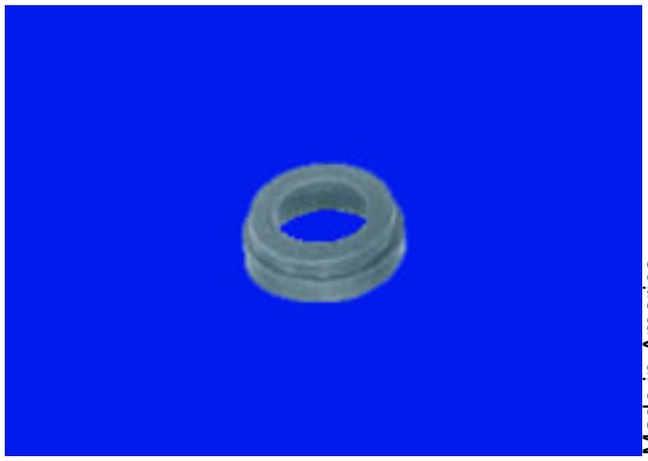
Part Number	Weight Std. Ctn.
BE	13 lbs

Universal Carbon Steel Safety Clips and Lanyards
For use with all Universal Air Hose and Sandblast Couplings

Made in America

Part Number	Hose ID Size	Weight Std. Ctn.
USCL	-	.25 lbs

Rubber Air Hose Gasket



Made in America

Part Number	Hose ID Size	Weight Std. Ctn.
AHG-75	1/2" - 1" 2-Lug	2 lbs
AHG-100	11/4" - 2" 4-Lug	2 lbs

TEMPERATURE RANGE: -20° F. TO 150° F.
WARNING: NOT TO BE USED FOR STEAM SERVICE

*All couplings, clamps, gaskets, safety clips and lanyards sold in full standard packages only.
WARNING: Not to be used for steam service.
NOTE: For safety purposes, use of lanyard and safety clip (supplied with hose ends) is recommended with all Universal Air Hose Couplings.

Sand Blast Hose Couplings
Construction

Quick Disconnect Ends (Supplied with Phillips Head Screws)

Made in America

Aluminum Sand Blast Hose Couplings - Quick Disconnect Ends

Part Number	Hose Size	Hose OD	Weight Std. Ctn.
★ Q-AL050	1/2”	1.06”	0.15
Q-AL1	3/4"	1 1/2”	0.36
Q-AL2	1"	1 7/8”	0.36
Q-AL3	1 1/4”	2 5/32”	0.66
Q-AL4	1 1/2”	2 3/8”	0.88
Q-AL5	1 1/2”	2 3/8”	1.10

★ To be used on 1.06" OD Hose only.

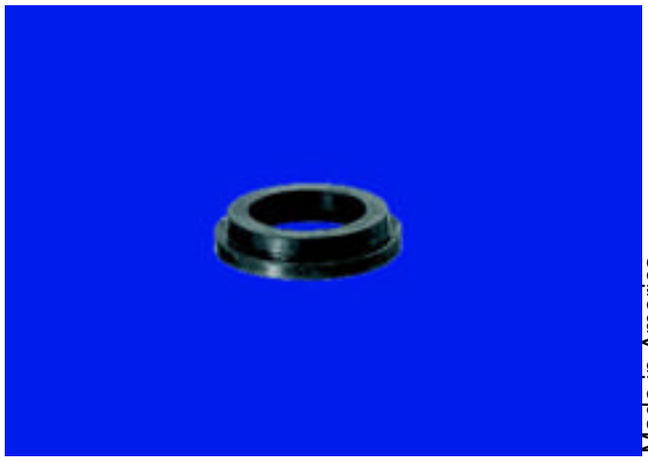
Brass Sand Blast Hose Couplings - Quick Disconnect Ends

Part Number	Hose Size	Hose OD	Weight Std. Ctn.
Q-BR1	3/4"	1 1/2"	1.06
Q-BR2	1"	1 7/8"	1.12
Q-BR3	1 1/4"	2 5/32"	1.94
Q-BR4	1 1/2"	2 3/8"	2.64
Q-BR5 ‡	1 1/2"	2 3/8"	3.50

Plated Iron Sand Blast Hose Couplings - Quick Disconnect Ends

Part Number	Hose Size	Hose OD	Weight Std. Ctn.
Q-PI1	3/4"	11/2"	0.98
Q-PI2	1"	17/8"	1.02
Q-PI3	1 1/4"	2 5/32"	1.84
Q-PI4	1 1/2”	2 3/8"	2.38

Natural Rubber Gaskets for Sand Blast Hose Couplings



Made in America

Part Number	Weight Each
SBG	0.24
SRG-2 ‡	0.63

External Nozzle Holders (Supplied with Phillips Head Screws)

Made in America

Aluminum Sand Blast Hose Couplings - External Nozzle Holders with Female NPS Thread

Part Number	Hose Size	Hose OD	NPS Female Thread Size	Weight Std. Ctn.
★ NH-AL050	1/2”	1 .06”	3/4”	0.15
NH-AL1	3/4”	1 1/2”	1 1/4”	0.30
NH-AL2	1”	1 7/8”	1 1/4”	0.36
NH-AL3	1 1/4”	2 5/32”	1 1/4”	0.52
NH-AL4	1 1/2”	2 3/8”	1 1/4”	0.98

★ To be used on 1.06" OD Hose only.

Brass Sand Blast Hose Couplings - External Nozzle Holders with Female NPS Thread

Part Number	Hose Size	Hose OD	NPS Female Thread Size	Weight Std. Ctn.
NH-BR1	3/4"	1 1/2"	1 1/4"	0.94
NH-BR2	1"	1 7/8"	1 1/4"	0.36
NH-BR3	1 1/4"	2 5/32"	1 1/4"	1.58
NH-BR4	1 1/2"	2 3/8"	1 1/4"	2.96

Sand Blast Quick Disconnect Couplings x Female NPT

Made in America

Aluminum Quick Disconnect Female Threaded Adapters - NPT

Part Number	Hose Size	NPS Female Thread Size	Weight Std. Ctn.
SB-AL1	1 1/4"	1 1/4"	0.34
SB-AL2	1 1/2"	1 1/2"	0.28
SB-AL3 ‡	1 1/2"	1 1/2"	1.05

Brass Quick Disconnect
Female Threaded Adapters - NPT

Part Number	Hose Size	NPS Female Thread Size	Weight Std. Ctn.
SB-BR1	1 1/4"	1 1/4"	1.02
SB-BR2	1 1/2"	1 1/2"	0.84
SB-BR3 ‡	1 1/2"	1 1/2"	3.05

Universal Carbon Steel Safety Clips and Lanyards
For use with all Universal Air Hose and Sandblast Couplings

Made in America

Part Number	Weight Std. Ctn.
USCL	.25 lbs

‡ NOTE: QAL5, QBR5, SB-AL3, and SBBR3 are large ID full-flow fittings for 1 1/2" ID hose and are not interchangeable with standard fittings. Full-flow fittings require SRG-2 gaskets.

See Operating Pressure & Temperature Chart on Page 948

Quick Disconnect Couplings and Plugs Industrial Interchange

Quick Disconnect Couplings and Plugs by Kuriyama are brass, semi-automatic and rated to 300 PSI.

Coupler with Male Thread

Made in America

Part Number	Body Size	Thread Size	Weight Each
QDAC-4MC	1/4"	1/4"	0.23
QDAC-6MC	1/4"	3/8"	0.23

Coupler with Female Thread

Made in America

Part Number	Body Size	Size	Weight Each
QDAC-4FC	1/4"	1/4"	0.23
QDAC-6FC	1/4"	3/8"	0.23

Coupler with Hose Barb

Made in America

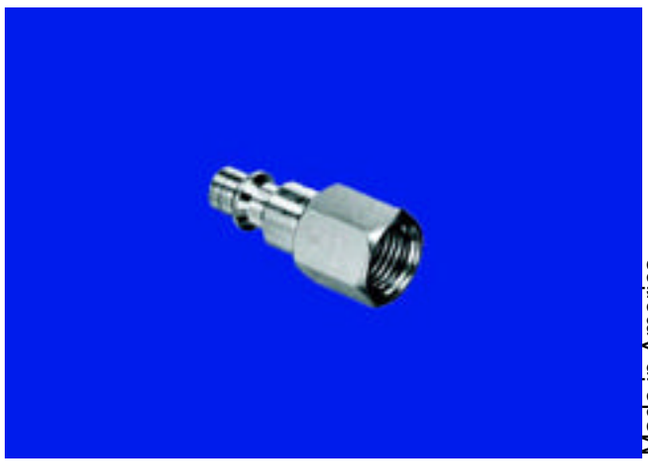
Part Number	Body Size	Barb Size	Weight Each
QDAC-4HC	1/4"	1/4"	0.23
QDAC-6HC	1/4"	3/8"	0.23

Plug with Male Thread

Made in America

Part Number	Body Size	Thread Size	Weight Each
QDAP-4MP	1/4"	1/4"	0.05
QDAP-6MP	1/4"	3/8"	0.05

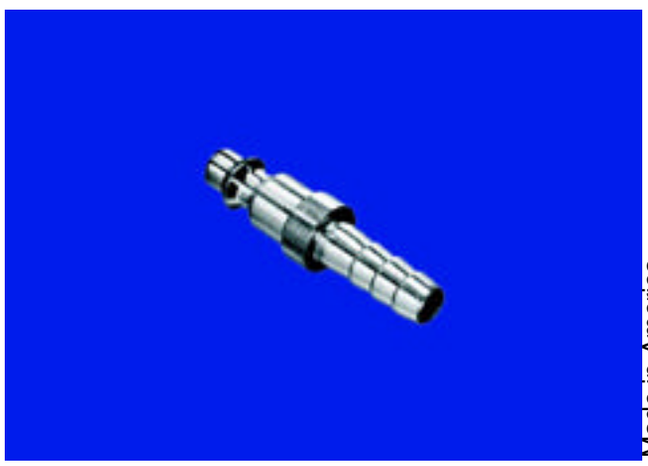
Plug with Female Thread



Made in America

Part Number	Body Size	Thread Size	Weight Each
QDAP-4FP	1/4"	1/4"	0.05
QDAP-6FP	1/4"	3/8"	0.05

Plug with Hose Barb



Made in America

Part Number	Body Size	Barb Size	Weight Each
QDAP-4HP	1/4"	1/4"	0.05
QDAP-6HP	1/4"	3/8"	0.05

Ground Joints
Couplings and Clamps - Zinc Plated

Hose Stem with Wing Nut and Female Spud

Made in America

Part Number	Size	Weight Each
GJ-050	1/2"	0.75
GJ-075	3/4"	1.86
GJ-100	1"	1.81
GJ-125	1 1/4"	3.73
GJ-150	1 1/2"	3.68
GJ-200	2"	5.69
GJ-250	2 1/2"	12.59
GJ-300	3"	15.85
GJ-400	4"	28.46

Hose Stem Only

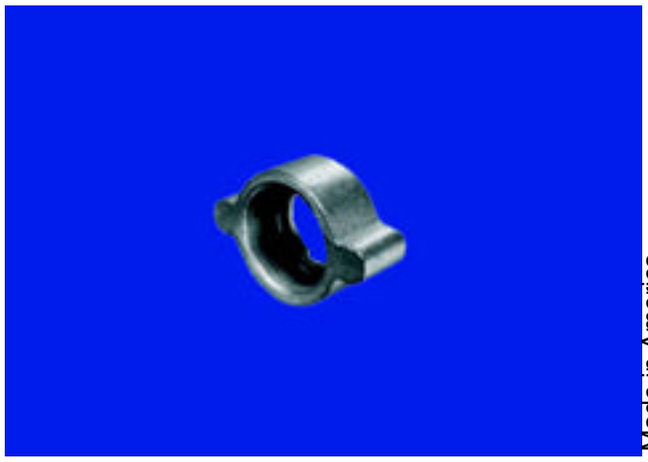
Made in America

Part Number	Size	Weight Each
GJS-050	1/2"	0.18
GJS-075	3/4"	0.55
GJS-100	1"	0.51
GJS-125	1 1/4"	1.17
GJS-150	1 1/2"	1.30
GJS-200	2"	1.72
GJS-250	2 1/2"	3.70
GJS-300	3"	4.83
GJS-400	4"	8.95

See Operating Pressure & Temperature Chart on Page 948

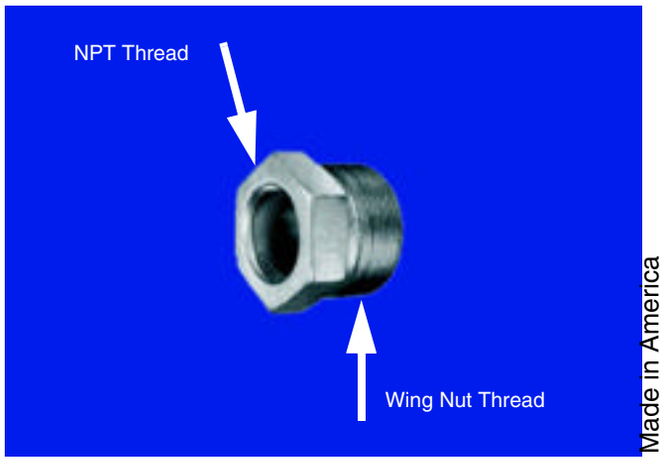
Ground Joints (continued)
Couplings and Clamps - Zinc Plated

Wing Nut



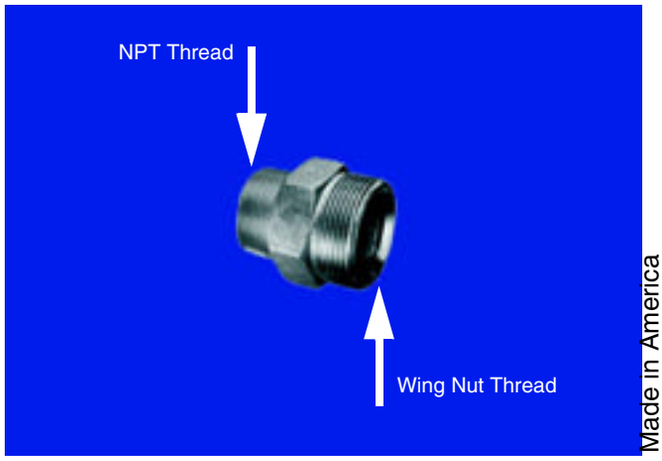
Part Number	Size	Weight Each
GJN-050	1/2"	0.31
GJN-075	3/4"	0.71
GJN-100	1"	0.71
GJN-125	1 1/4"	1.52
GJN-150	1 1/2"	1.52
GJN-200	2"	2.54
GJN-250	2 1/2"	4.65
GJN-300	3"	5.51
GJN-400	4"	10.63

Female Spud with Copper Sealing



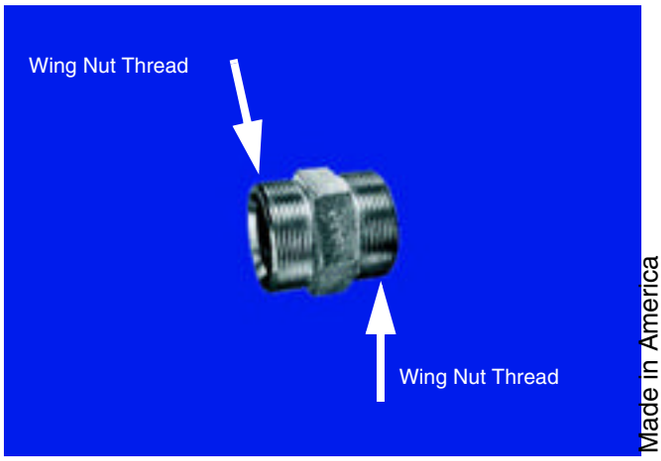
Part Number	Size	Weight Each
GJF-050	1/2”	0.29
GJF-075	3/4"	0.64
GJF-100	1”	0.57
GJF-125	1 1/4"	1.21
GJF-150	1 1/2"	1.04
GJF-200	2"	1.39
GJF-250	2 1/2"	4.23
GJF-300	3"	5.51
GJF-400	4"	8.88

Male Spud with Copper Sealing



Part Number	Size	Weight Each
GMS-050	1/2"	0.29
GMS-075	3/4"	0.75
GMS-100	1"	0.79
GMS-125	1 1/4"	1.43
GMS-150	1 1/2"	1.70
GMS-200	2"	2.23

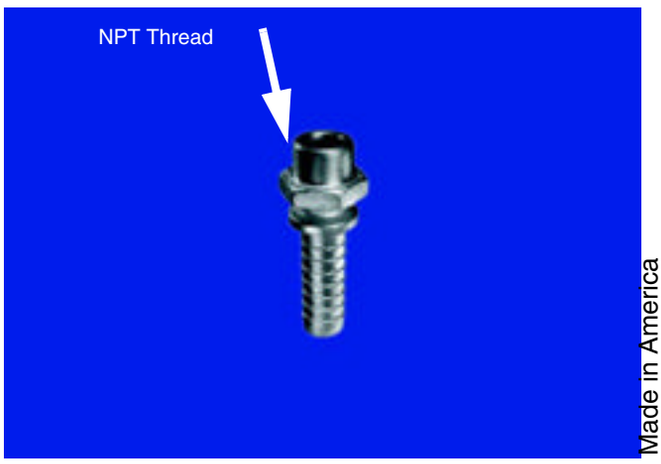
Double Spud with Copper Sealing



Made in America

Part Number	Size	Weight Each
GDS-050	1/2"	0.40
GDS-075	3/4"	1.32
GDS-100	1"	1.32
GDS-125	1 1/4"	1.41
GDS-150	1 1/2"	1.41
GDS-200	2"	1.92

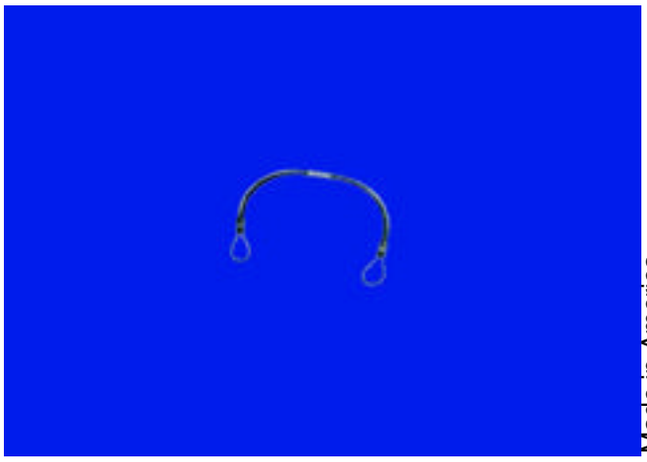
Male Pipe Stem (NPT)



Made in America

Part Number	Size	Weight Each
GJM-050	1/2"	0.17
GJM-075	3/4"	0.33
GJM-100	1"	0.55
GJM-125	1 1/4"	1.28
GJM-150	1 1/2"	1.79
GJM-200	2"	2.65
GJM-250	2 1/2"	4.83
GJM-300	3"	6.26
GJM-400	4"	11.40

Whipcheck - Safety Cable



Made in America

Part Number	Hose ID	Size	Weight Each
WC-1	1/2” - 1 1/4”	1/8”	0.24
WC-2	1 1/2” - 3”	1/4”	1.15

STYLE WC for hose-to-hose service

Whipcheck - Safety Cable
STYLE WS for hose-to-tool service

Made in America

Part Number	Hose ID	Size	Weight Each
WS-1	1/2" - 1 1/4"	1/8"	0.17
WS-2	1 1/2" - 3"	1/4"	0.95

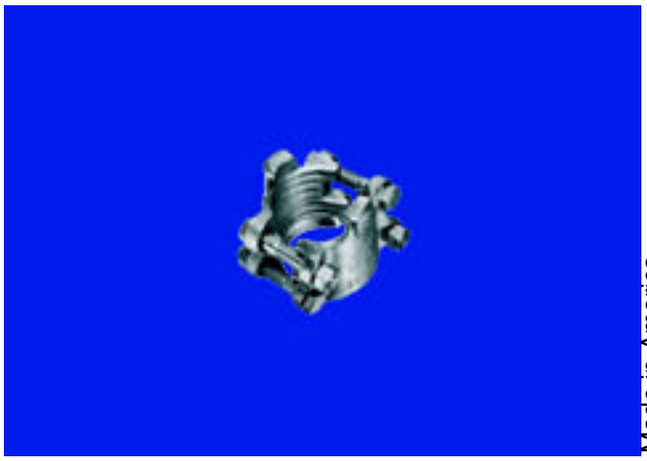
STYLE WS for hose-to-tool service

2 Bolt Type Hose Clamps

Made in America

Part Number	Size	Weight Each	Torque
BC2-050	13/16" - 15/16"	.31	6
BC2-050A	15/16" - 1 1/16"	.44	12
BC2-050B	1 1/16" - 1 3/16"	.42	12
BC2-075	1 5/32" - 1 9/32"	.73	21
BC2-075A	1 3/16 - 1 5/16"	.79	21
BC2-075B	1 5/16" - 1 1/2"	.88	21
BC2-075C	1 1/2" - 1 11/16"	1.15	21

4 Bolt Type Hose Clamps



Made in America

Part Number	Size	Weight Each	Torque
BC4-100	1 17/32" - 1 23/32"	1.50	21
BC4-100A	1 13/ 32" - 1 9/16"	1.54	21
BC4-100B	1 11/16" - 1 27/32"	1.68	21
BC4-100C	1 7/8" - 2 1/16"	1.90	21
BC4-125	2 1/16" - 2 1/4"	2.36	40
BC4-150	2" - 2 7/32"	2.40	40
BC4-150A	2 3/32" - 2 9/32"	2.16	40
BC4-150B	2 1/4" - 2 7/16"	2.78	40
BC4-150C	2 15/32" - 2 23/32"	2.67	40
BC4-200	2 11/32" - 2 17/32""	3.04	60
BC4-200A	2 1/2" - 2 25/32"	2.84	60
BC4-200B	2 3/4" - 3 1/16"	3.99	60
BC4-200C	3 3/32" - 3 7/16"	3.97	60
BC4-250	3 1/2" - 3 15/16"	6.86	150
BC4-300	3 1/2" - 3 15/16"	7.45	150
BC4-300A	3 13/16" - 4 1/16"	7.89	150
BC4-300B	4 1/16" - 4 7/16""	10.19	200
BC4-300C	4 1/4" - 4 13/16"	10.30	200

6 Bolt Type Hose Clamps

Made in America

Part Number	Size	Weight Each	Torque
BC6-400A	4 7/8" - 5 5/16"	20.30	200
BC6-400B	5 1/8" - 6 3/16"	21.45	200

Torque Rating in Ft. lbs. Do Not Lubricate nuts and bolts. Lubricant use may affect torque rating.

See Operating Pressure & Temperature Chart on Page 948

Pin Lug Hose Shank Couplings

Agriculture • Construction

Pin Lug Hose Shank Couplings - Full Sets Aluminum Shank with Brass Swivel Nut

Part Number	Size	Weight Each
AB150	1 1/2”	0.56
AB200	2”	0.88
AB250	2 1/2”	1.34
AB300	3”	2.70
AB400	4”	4.42
AB600	6”	8.30

NPSM Threads

Pin Lug Hose Shank Couplings - Female Ends Aluminum Shank with Brass Swivel Nut

Part Number	Size	Weight Each
ABF150	1 1/2"	0.38
ABF200	2"	0.62
ABF250	2 1/2"	0.94
ABF300	3"	1.66
ABF400	4"	2.72
ABF600	6"	5.26

NPSM Threads

Pin Lug Hose Shank Couplings - Male Ends Aluminum Shank

Part Number	Size	Weight Each
ABM150	1 1/2"	0.18
ABM200	2"	0.26
ABM250	2 1/2"	0.40
ABM300	3"	1.04
ABM400	4"	1.70
ABM600	6"	3.04

NPSM Threads

Fire Hydrant Pin Lug Hose Couplings - Full Sets ‡
Aluminum Shank with Brass Swivel Nut - Pin Lugs on Both Male and Female Ends

Made in America

Part Number	Size	Weight Each
FHNST150	1 1/2"	0.43
FHNST250	2 1/2"	1.04

NST Threads

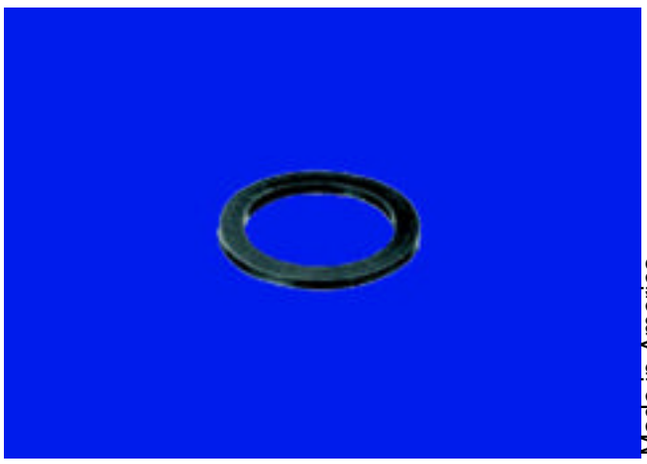
Fire Hydrant Pin Lug Hose Couplings - Female Ends
Aluminum Shank with Brass Swivel Nut

Made in America

Part Number	Size	Weight Each
FHNST150	1 1/2"	0.43
FHNST250	2 1/2"	1.04

NST Threads

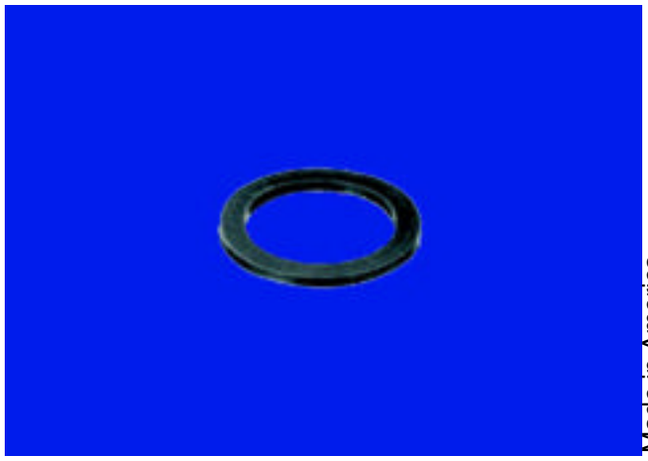
Replacement Rubber Washers for Fire Hydrant Pin Lug Hose Couplings ONLY



Made in America

Part Number	Size	Weight Each
FHW150	1 1/2"	0.0080
FHW250	2 1/2"	0.0168

Replacement Rubber Washers for Pin Lug Hose Shank Couplings ONLY



Made in America

Part Number	Size	Weight Each
HW150	1 1/2"	0.0080
HW200	2"	0.0120
HW250	2 1/2"	0.0168
HW300	3"	0.0312
HW400	4"	0.0504
HW600	6"	0.0940

See Operating Pressure & Temperature Chart on Page 948

"Heavy Duty" Forged Brass Fittings
Agriculture • Construction

"Heavy Duty" Forged Brass Fitting Sets

Made in America

Part Number	Size	Thread Type	Shank Length	Weight Each
BRGHT050	1/2"	GHT	1.18”	.25
BRGHT062	5/8"	GHT	1.18”	.25
BRGHT075	3/4"	GHT	1.18”	.25
BRNPS100	1"	NPS	1.46”	.49

“Heavy Duty" Forged Brass Fitting Female Ends

Made in America

Part Number	Size	Thread Type	Shank Length	Weight Each
BRGHT-FEM050	1/2"	GHT	1.18"	.12
BRGHT-FEM062	5/8”	GHT	1.18"	.12
BRGHT-FEM075	3/4"	GHT	1.18"	.12
BRNPS-FEM100	1"	NPS	1.46"	.25

Hex Combination Hose Nipples
Agriculture • Construction

Hex Combination Hose Nipples - (Plain Steel) / NPT Thread

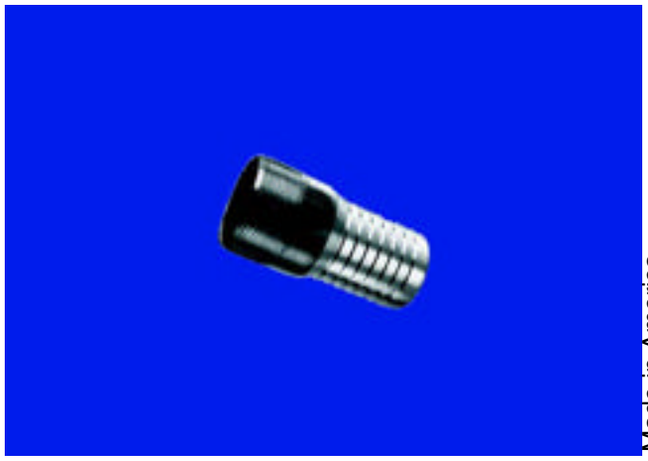
Part Number	Size	Weight Each
HEX-STN050	1/2"	0.14
HEX-STN075	3/4"	0.22
HEX-STN100	1"	0.32
HEX-STN125	1 1/4"	0.50

Hex Combination Hose Nipples - (Plated Steel) / NPT Thread

Part Number	Size	Weight Each
HEX-SPN050	1/2"	0.14
HEX-SPN075	3/4"	0.20
HEX-SPN100	1"	0.32
HEX-SPN125	1 1/4"	0.56

Combination Hose Nipples
Agriculture • Construction

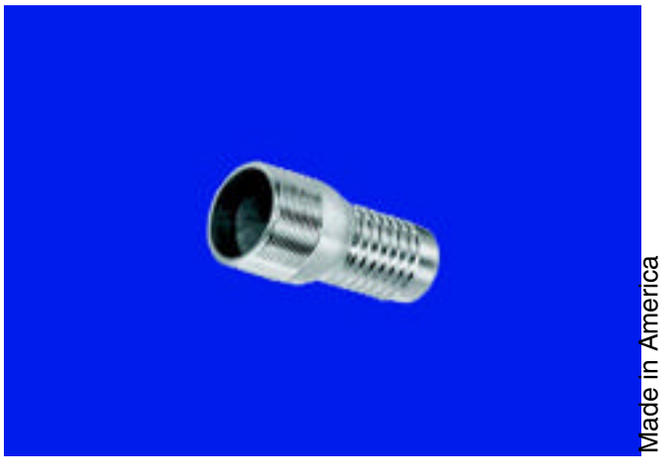
Combination Hose Nipples - (Plain Steel) / NPT Thread



Part Number	Size	Weight Each
STN050	1/2"	0.14
STN075	3/4"	0.22
STN100	1"	0.32
STN125	1 1/4"	0.50
STN150	1 1/2"	0.70
STN200	2"	1.04
STN250	2 1/2"	1.16
STN300	3"	2.18
STN400	4"	3.22
STN500	5"	4.12
STN600	6"	12.18

See Operating Pressure & Temperature Chart on Page 948

Combination Hose Nipples - (Plated Steel) / NPT Thread



Made in America

Part Number	Size	Weight Each
SPN050	1/2"	0.14
SPN075	3/4"	0.20
SPN100	1"	0.32
SPN125	1 1/4"	0.56
SPN150	1 1/2"	0.72
SPN200	2"	1.10
SPN250	2 1/2"	1.74
SPN300	3"	2.14
SPN400	4"	3.06
SPN600	6"	12.24
SPN800	8"	16.44
SPN1000	10"	21.78
SPN1200	12"	33.18

Menders

Agriculture • Construction

Steel Hose Menders (Zinc Plated)

Made in America

Part Number	Size	Weight Each
SPHM050	1/2"	0.10
SPHM062	5/8"	0.10
SPHM075	3/4"	0.20
SPHM100	1"	0.30
SPHM125	1 1/4"	0.50
SPHM150	1 1/2"	0.50
SPHM200	2"	0.80
SPHM250	2 1/2"	1.70
SPHM300	3"	2.40
SPHM400	4"	2.90
SPHM600	6"	13.20
SPHM800	8"	20.90

See Operating Pressure & Temperature Chart on Page 948

Stainless Steel Combination Hose Nipples

Agriculture • Construction

Combination Hose Nipples - SSN Series (304 Stainless)
NPT Thread

Part Number	Size	Weight Each
SSN304-050	1/2"	0.18
SSN304-075	3/4"	0.26
SSN304-100	1"	0.35
SSN304-125	1 1/4"	0.55
SSN304-150	1 1/2"	0.66
SSN304-200	2"	1.16
SSN304-250	2 1/2"	1.31
SSN304-300	3"	2.20
SSN304-400	4"	3.31
SSN304-500	5"	8.82
SSN304-600	6"	11.02

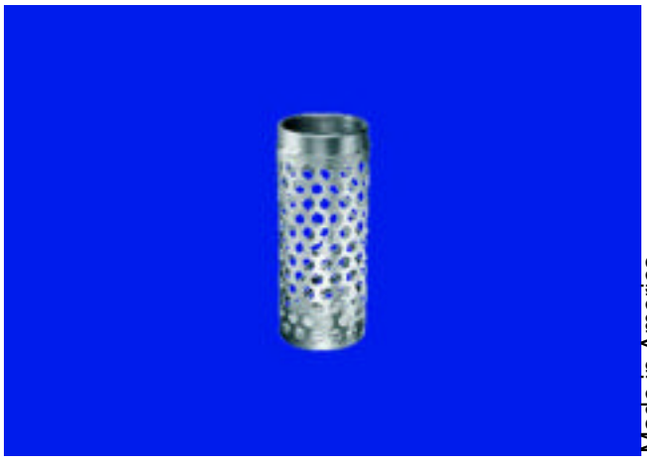
Combination Hose Nipples - SSN Series (316 Stainless)
NPT Thread

Part Number	Size	Weight Each
SSN050	1/2"	0.18
SSN075	3/4"	0.26
SSN100	1"	0.35
SSN125	1 1/4"	0.55
SSN150	1 1/2"	0.66
SSN200	2"	1.16
SSN250	2 1/2"	1.31
SSN300	3"	2.20
SSN400	4"	3.31
SSN500	5"	8.82
SSN600	6”	11.02

See Operating Pressure & Temperature Chart on Page 948

Strainers and Skimmers
Agriculture • Construction

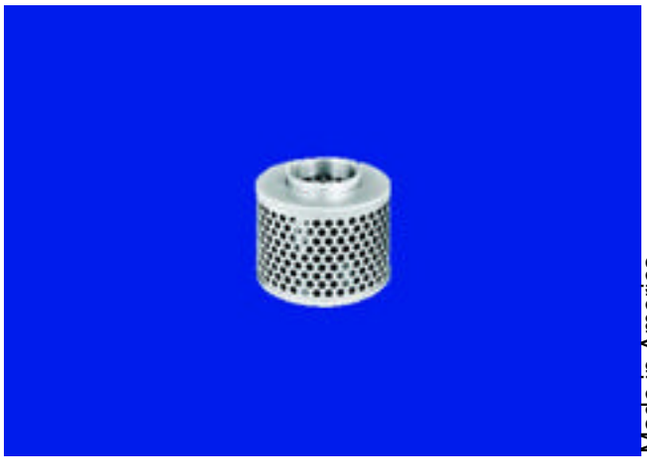
Plated Steel Strainers & Skimmers with standard straight pipe threads (NPSM)
Long Round Hole Steel Strainer



Made in America

Part Number	Size	Weight Each
LHS150	1 1/2"	0.75
LHS200	2"	0.94
LHS300	3"	2.00

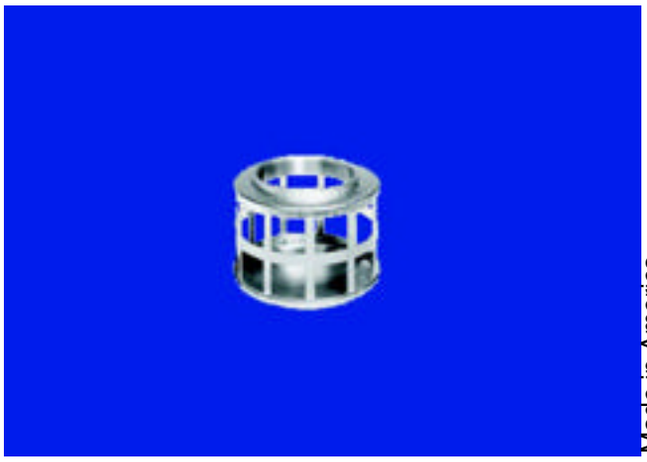
Round Hole Steel Strainer



Made in America

Part Number	Size	Weight Each
RHS150	1 1/2"	1.36
RHS200	2"	1.78
RHS250	2 1/2"	2.02
RHS300	3"	3.08
RHS400	4"	2.90
RHS600	6"	6.04
RHS800	8"	7.34

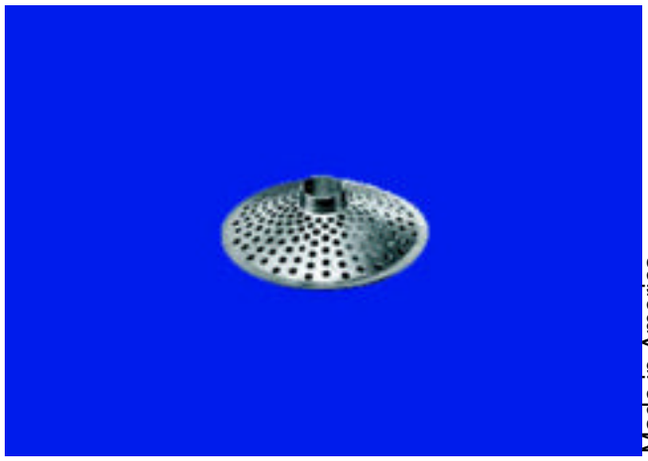
Square Hole Steel Strainer



Made in America

Part Number	Size	Weight Each
SHS150	1 1/2"	1.12
SHS200	2"	1.74
SHS300	3"	2.50
SHS400	4"	2.52
SHS600	6"	6.32

Top Hole Steel Strainer/Skimmer



Made in America

Part Number	Size	Weight Each
THS150	1 1/2"	1.64
THS200	2"	2.00
THS300	3"	2.68

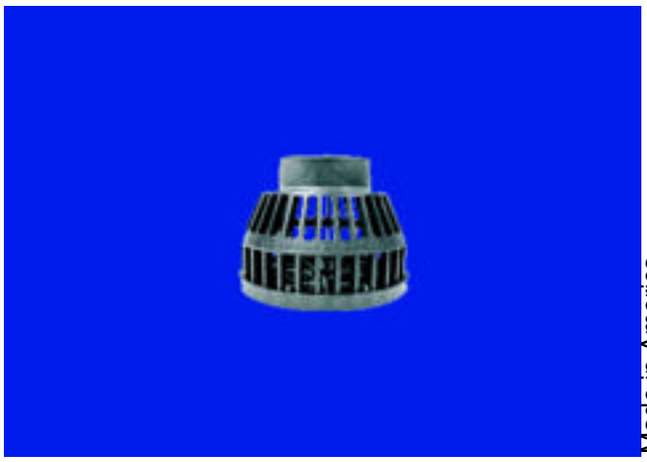
Steel Bottom Hole Skimmer

Made in America

Part Number	Size	Weight Each
BHS150	1 1/2"	1.64
BHS200	2"	2.00
BHS300	3"	2.68

Polypropylene Strainer with Standard Straight Pipe Threads (NPSM)

Polypropylene Strainers

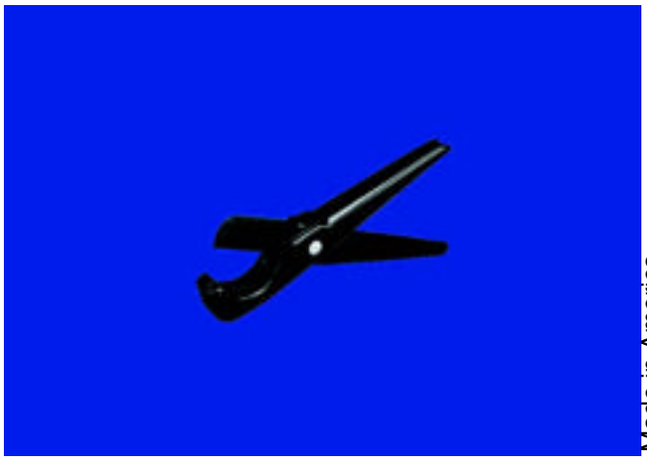


Made in America

Part Number	Size	Weight Each
PPS150	1 1/2"	0.25
PPS200	2"	0.30
PPS300	3"	0.65

Hose and Tubing Cutter

Kuri-Cutter Hose & Tubing Cutter



Made in America

Part Number	Approx. Net Wt. per Pkg. (lbs.)
Kuri-Cutter	N/A

IRRI-LOC® Galvanized Couplings

Agriculture • Irrigation • Construction

Female Shank with EPDM Gasket

Made in America

Part Number	Size	Weight Each
IL-A200	2"	0.84
IL-A300	3"	1.32
IL-A400	4"	3.56
IL-A600	6"	5.90
IL-A800	8”	11.55

Male Shank Only

Made in America

Part Number	Size	Weight Each
IL-B200	2"	0.86
IL-B300	3"	1.32
IL-B400	4"	3.74
IL-B600	6"	5.57
IL-B800	8”	10.45

Locking Lever

Made in America

Part Number	Size	Weight Each
IL-C200	2"	1.03
IL-C300	3"	2.42
IL-C400	4"	4.07
IL-C600	6"	8.51
IL-C800	8”	9.15

Female End with EPDM Gasket and Male NPT Thread

Made in America

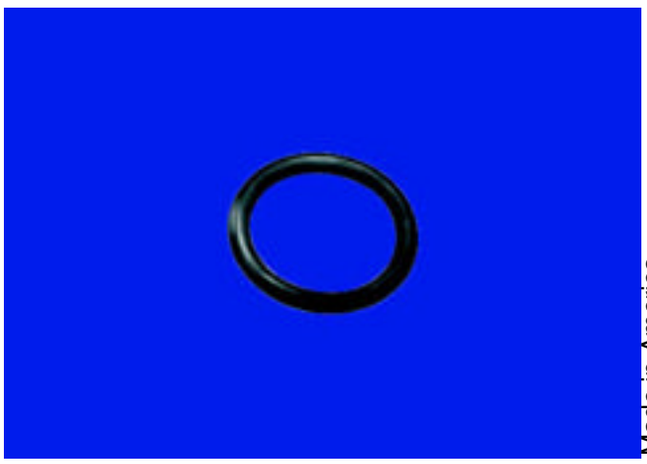
Part Number	Size	Weight Each
IL-F200	2"	0.90
IL-F300	3"	1.61
IL-F400	4”	3.39
IL-F600	6"	5.90
IL-F800	8"	11.55

Male End with Locking Lever and Male NPT Thread

Made in America

Part Number	Size	Weight Each
IL-H200	2"	1.96
IL-H300	3"	3.92
IL-H400	4"	7.50
IL-H600	6"	13.95
IL-H800	8"	19.60

EPDM Gasket

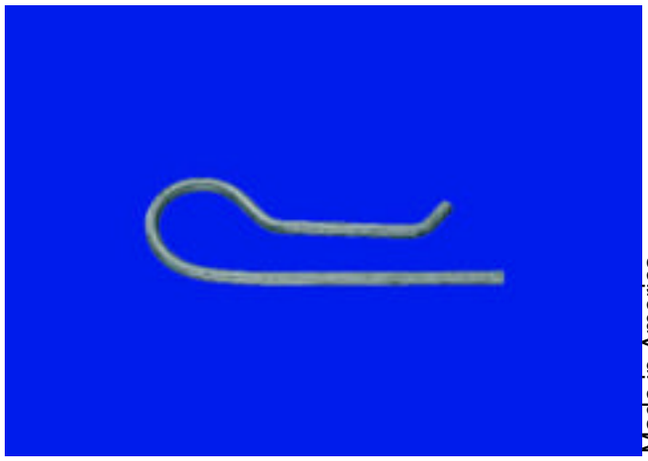


Made in America

Part Number	Size	Weight Each
IL-J200	2"	0.04
IL-J300	3"	0.13
IL-J400	4"	0.22
IL-J600	6"	0.53
IL-J800	8"	0.66

Temperature Rating: -40ºF to 250ºF

Safety Clip



Made in America

Part Number	Size	Weight Each
IL-K200	2"	0.03
IL-K300	3"	0.03
IL-K400	4"	0.06
IL-K600	6"	0.06
IL-K800	8"	0.08

- Shank designed for easy assembly.
- EPDM gaskets are included as standard.
- Each locking lever coupling is provided with holes for use with safety clips. Safety clips should be used at all times to prevent accidental separation of parts while in service.
- Ideal for use in suction applications in the agricultural, irrigation and construction industries. Couplings are not recommended for use in chemical or hazardous material applications.

Clamps
Agriculture • Construction

Heavy Duty T-Bolt Clamps
304 Stainless Steel Band, Bolt and Nut

Made in America

Part Number	Size Range	Weight Each
TBC-SS019	21/32" - 3/4"	0.029
TBC-SS022	25/32" - 7/8"	0.030
TBC-SS025	29/32" - 1"	0.031
TBC-SS028	1 1/32" - 1 3/32"	0.031
TBC-SS031	1 5/32" - 1 15/32"	0.052
TBC-SS035	1 1/4" - 1 3/8"	0.052
TBC-SS039	1 3/8" - 1 9/16"	0.053
TBC-SS043	1 5/8" - 1 13/16"	0.055
TBC-SS047	1 3/4" - 1 15/16"	0.090
TBC-SS051	1 7/8" - 2 1/16"	0.095
TBC-SS055	2 1/8" - 2 5/16"	0.098
TBC-SS059	2 1/4" - 2 7/16"	0.100
TBC-SS063	2 3/8" - 2 9/16"	0.103
TBC-SS067	2 17/32" - 2 13/16"	0.105
TBC-SS073	2 21/32" - 2 15/16"	0.150
TBC-SS079	2 29/32" - 3 3/16"	0.160
TBC-SS085	3 1/32" - 3 5/16"	0.160
TBC-SS091	3 9/32" - 3 9/16"	0.165
TBC-SS097	3 17/32" - 3 13/16"	0.180
TBC-SS103	3 25/32" - 4 1/16"	0.180
TBC-SS112	4 1/32" - 4 5/16"	0.190
TBC-SS121	4 17/32" - 4 13/16"	0.195
TBC-SS130	4 25/32" - 5 1/16"	0.200
TBC-SS139	5 9/32" - 5 9/16"	0.292
TBC-SS148	5 17/32" - 5 13/16”	0.308
TBC-SS161	5 7/8" - 6 11/32"	0.319
TBC-SS174	6 17/32" - 6 13/16"	0.328
TBC-SS187	6 7/8" - 7 3/8"	0.340
TBC-SS200	7 13/32" - 7 7/8”	0.357
TBC-SS213	7 29/32" - 8 3/8"	0.367
TBC-SS226	8 21/32" - 8 15/16"	0.383
TBC-SS239	8 15/16" - 9 13/32"	0.400
TBC-SS252	9 7/16" - 9 29/32"	0.417

Heavy Duty T- Bolt Clamps
304 Stainless Steel Band with Carbon Steel Bolt and Nut

Made in America

Part Number	Size Range	Weight Each
TBC-SSC019	21/32" - 3/4"	0.029
TBC-SSC022	25/32" - 7/8"	0.030
TBC-SSC025	29/32" - 1"	0.031
TBC-SSC028	1 1/32" - 1 3/32"	0.031
TBC-SSC031	1 5/32" - 1 15/32"	0.052
TBC-SSC035	1 1/4" - 1 3/8"	0.052
TBC-SSC039	1 3/8" - 1 9/16"	0.053
TBC-SSC043	1 5/8" - 1 13/16"	0.055
TBC-SSC047	1 3/4" - 1 15/16"	0.090
TBC-SSC051	1 7/8" - 2 1/16"	0.095
TBC-SSC055	2 1/8" - 2 5/16"	0.098
TBC-SSC059	2 1/4" - 2 7/16"	0.100
TBC-SSC063	2 3/8" - 2 9/16"	0.103
TBC-SSC067	2 17/32" - 2 13/16"	0.105
TBC-SSC073	2 21/32" - 2 15/16"	0.150
TBC-SSC079	2 29/32" - 3 3/16"	0.160
TBC-SSC085	3 1/32" - 3 5/16"	0.160
TBC-SSC091	3 9/32" - 3 9/16"	0.165
TBC-SSC097	3 17/32" - 3 13/16"	0.180
TBC-SSC103	3 25/32" - 4 1/16"	0.180
TBC-SSC112	4 1/32" - 4 5/16"	0.190
TBC-SSC121	4 17/32" - 4 13/16"	0.195
TBC-SSC130	4 25/32" - 5 1/16"	0.200
TBC-SSC139	5 9/32" - 5 9/16"	0.292
TBC-SSC148	5 17/32" - 5 13/16"	0.308
TBC-SSC161	5 7/8" - 6 11/32"	0.319
TBC-SSC174	6 17/32" - 6 13/16"	0.328
TBC-SSC187	6 7/8" - 7 3/8"	0.340
TBC-SSC200	7 13/32" - 7 7/8"	0.357
TBC-SSC213	7 29/32" - 8 3/8"	0.367
TBC-SSC226	8 21/32" - 8 15/16"	0.383
TBC-SSC239	8 15/16" - 9 13/32"	0.400
TBC-SSC252	9 7/16" - 9 29/32"	0.417

Clamps

Construction • Material Handling

TigerClamp™ Zinc Plated Carbon Steel Spiral Double Bolt Clamps
(For Counterclockwise Spiral)

Made in America

Part Number	Size	Weight Each
SDBC-1.5	1 1/2"	0.18
SDBC-2	2"	0.36
SDBC-2.25	2 1/4"	0.40
SDBC-2.5	2 1/2"	0.48
SDBC-3	3"	0.66
SDBC-3.5	3 1/2"	0.70
SDBC-4	4"	1.02
SDBC-5	5"	1.76
SDBC-6	6"	2.00
SDBC-8	8"	2.76
SDBC-10	10"	3.46
SDBC-12	12"	4.14

Specially designed to fit Tigerflex®
PVC suction hose.
Also works well on rubber suction hose

TigerClamp™ Zinc Plated Carbon Steel Spiral Double Bolt Clamps

Made in America

Part Number	Size	Weight Each
SDBCR-2	2	0.36
SDBCR-3	3	0.66
SDBCR-4	4	1.02
SDBCR-5	5	1.76
SDBCR-6	6	2.00

(For Clockwise Spiral Hoses)
Designed to Fit Tigerflex™ Tiger-TR1™ Hoses

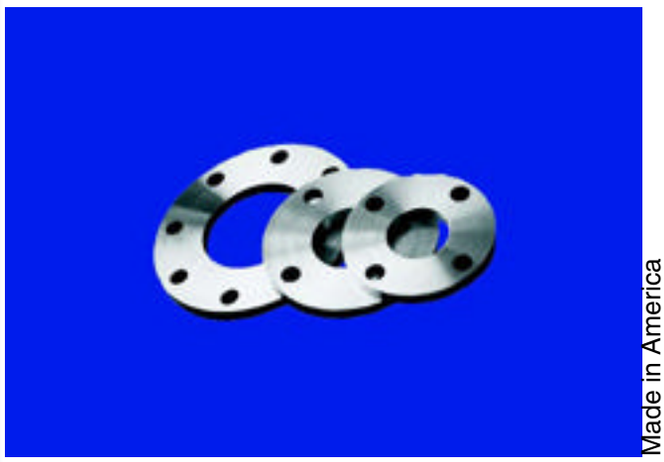
Double Bolt Zinc Plated Ductile Iron Hose Clamps

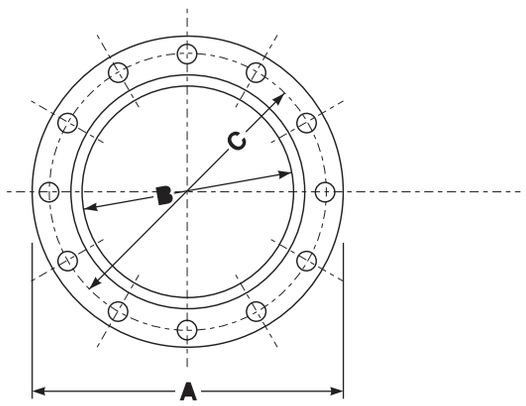
Part Number	Size	Weight Each
DB76	2 3 /8" - 3 1/64"	0.73
DB94	3 1/32" - 3 11/16"	1.30
DB400	31/2" - 4"	1.54
DB463	4 1/16" - 4 7/16"	1.79
DB525	43/16" - 5"	2.27
DB550	5" - 5 1/2"	2.14
DB600	5 1/2" - 6 1/16"	2.98
DB675	6 1/8" - 6 7/8"	2.65
DB769	6 15/16" - 7 5/8"	3.81
DB818	7 11/16" - 8 3/16"	5.11
DB875	81/4" - 8 7/8"	5.64
DB988	8 15/16" - 9 7/8"	6.15
DB1125	9 15/16" - 11 3/8"	9.61
DB1275	11 3/16" - 12 1/2"	9.48
DB1360	12 3/16" - 14"	15.43

Forged "Plate-Style" Flanges

Chemicals/Petroleum • Construction • Material Handling

150# Carbon Steel Forged



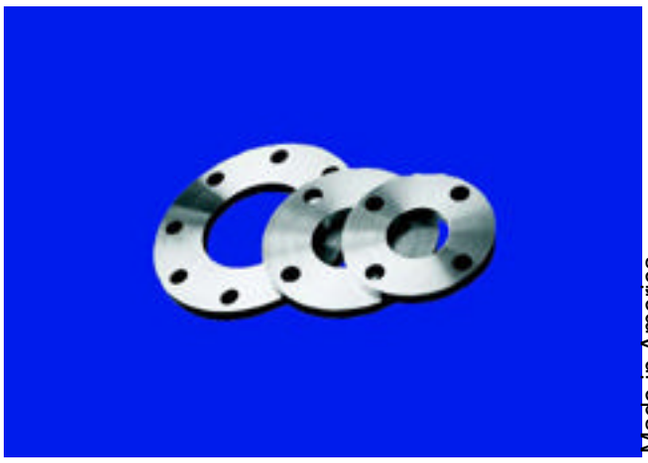


Nom. Size	Part Number	"A" OD	"T" Thickness	"B" Bore	No. of Bolt Holes	Dia. of Bolt Holes	"C" Circle	Weight per Set
1/2"	CSPF0050	3 1/2"	1/2"	.77"	4	5/8"	2 3/8"	1.12
3/4"	CSPF0075	3 7/8"	1/2"	1.10"	4	5/8"	2 3/4"	1.36
1"	CSPF0100	4 1/4"	1/2"	1.36"	4	5/8"	3 1/8"	1.58
1 1/4"	CSPF0125	4 5/8"	1/2"	1.70"	4	5/8"	3 1/2"	1.93
1 1/2"	CSPF0150	5"	5/8"	1.95"	4	5/8"	3 7/8"	2.70
2"	CSPF0200	6"	5/8"	2.44"	4	3/4"	4 3/4"	4.10
2 1/2"	CSPF0250	7"	5/8"	2.94"	4	3/4"	5 1/2"	5.35
3"	CSPF0300	7 1/2"	5/8"	3.57"	4	3/4"	6"	5.80
4"	CSPF0400	9"	5/8"	4.57"	8	3/4"	7 1/2"	8.00
5"	CSPF0500	10"	3/4"	5.66"	8	7/8"	8 1/2"	10.37
6"	CSPF0600	11"	3/4"	6.72"	8	7/8"	9 1/2"	11.76
8"	CSPF0800	13 1/2"	1"	8.72"	8	7/8"	11 3/4"	22.48
10"	CSPF1000	16"	1"	10.88"	12	1"	14 1/4"	26.83
12"	CSPF1200	19"	1"	12.88"	12	1"	17"	42.30
14"	CSPF1400	21"	1"	14.14"	12	1 1/8"	18 3/4"	52.50
16"	CSPF1600	23 1/2"	1 1/4"	16.16"	16	1 1/8"	21 1/4"	64.00
18"	CSPF1800	25 1/8"	1 1/4"	18.15"	16	1 1/4"	23"	72.00

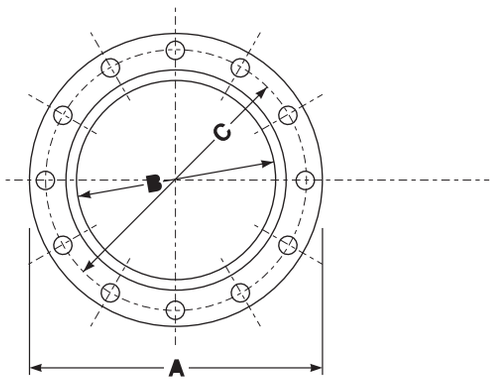
Forged "Plate-Style" Flanges

Chemicals/Petroleum • Construction • Material Handling

150# Stainless Steel Forged



Made in America

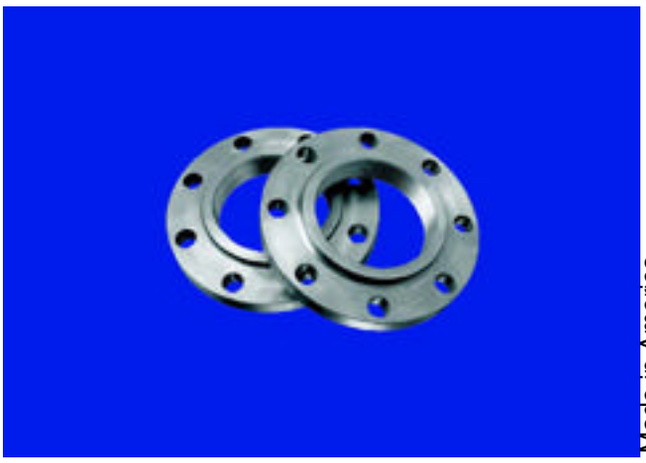


Nom. Size	Part Number		"A" OD	"T" Thickness	"B" Bore	No. of Bolt Holes	Dia. of Bolt Holes	"C" Circle	Weight per Set
	Type 304	Type 316							
1/2"	SSPF3040050	SSPF3160050	3 1/2"	1/2"	.77"	4	5/8"	2 3/8"	1.12
3/4"	SSPF3040075	SSPF3160075	3 7/8"	1/2"	1.10"	4	5/8"	2 3/4"	1.36
1"	SSPF3040100	SSPF3160100	4 1/4"	1/2"	1.36"	4	5/8"	3 1/8"	1.66
1 1/4"	SSPF3040125	SSPF3160125	4 5/8"	1/2"	1.70"	4	5/8"	3 1/2"	2.00
1 1/2"	SSPF3040150	SSPF3160150	5"	1/2"	1.95"	4	5/8"	3 7/8"	2.24
2"	SSPF3040200	SSPF3160200	6"	1/2"	2.44"	4	3/4"	4 3/4"	3.06
2 1/2"	SSPF3040250	SSPF3160250	7"	1/2"	2.94"	4	3/4"	5 1/2"	4.36
3"	SSPF3040300	SSPF3160300	7 1/2"	1/2"	3.57"	4	3/4"	6"	4.72
4"	SSPF3040400	SSPF3160400	9"	1/2"	4.57"	8	3/4"	7 1/2"	6.36
5"	SSPF3040500	SSPF3160500	10"	1/2"	5.66"	8	7/8"	8 1/2"	7.08
6"	SSPF3040600	SSPF3160600	11"	1/2"	6.72"	8	7/8"	9 1/2"	7.64
8"	SSPF3040800	SSPF3160800	13 1/2"	1/2"	8.72"	8	7/8"	11 3/4"	11.44
10"	SSPF3041000	SSPF3161000	16"	1/2"	10.88"	12	1"	14 1/4"	13.36
12"	SSPF3041200	SSPF3161200	19"	1/2"	12.88"	12	1"	17"	21.00
14"	SSPF3041400	SSPF3161400	21"	1/2"	14.14"	12	1 1/8"	18 3/4"	27.83
16"	SSPF3041600	SSPF3161600	23 1/2"	1/2"	16.16"	16	1 1/8"	21 1/4"	30.00
18"	SSPF3041800	SSPF3161800	25 1/8"	1/2"	18.15"	16	1 1/4"	23"	33.00

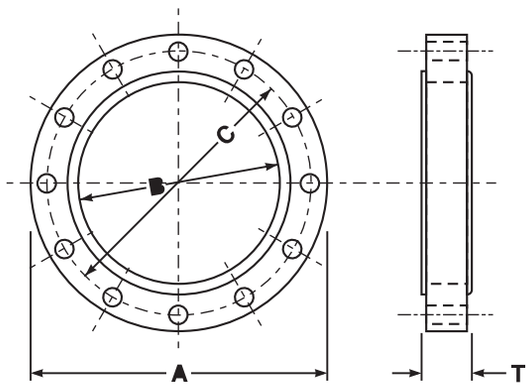
Forged Threaded Flanges

Chemicals/Petroleum • Construction • Material Handling

150# Carbon Steel Forged ANSI B16.5 & ASTM A-105



Made in America



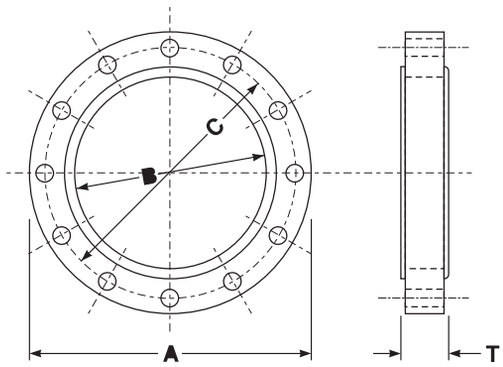
Nom. Size	Part Number	"A" OD	"T" Thickness	"B" Bore	No. of Bolt Holes	Dia. of Bolt Holes	"C" Circle	Weight per Set
1/2"	CSRFTHD1500050	3 1/2"	5/8"	0.88"	4"	5/8"	2 3/8"	1.10
3/4"	CSRFTHD1500075	3 7/8"	5/8"	1.09"	4"	5/8"	2 3/4"	1.98
1"	CSRFTHD1500100	4 1/4"	3/4"	1.36"	4"	5/8"	3 1/8"	2.18
1 1/4"	CSRFTHD1500125	4 5/8"	7/8"	1.70"	4"	5/8"	3 1/2"	3.09
1 1/2"	CSRFTHD1500150	5"	7/8"	1.95"	4"	5/8"	3 7/8"	3.60
2"	CSRFTHD1500200	6"	1"	2.44"	4"	3/4"	4 3/4"	5.07
2 1/2"	CSRFTHD1500250	7"	1 1/8"	2.94"	4"	3/4"	5 1/2"	7.05
3"	CSRFTHD1500300	7 1/2"	1 1/4"	3.57"	4"	3/4"	6"	7.94
4"	CSRFTHD1500400	9"	1 3/8"	4.57"	8"	3/4"	7 1/2"	13.01
5"	CSRFTHD1500500	10"	1 3/8"	5.66"	8"	7/8"	8 1/2"	14.99
6"	CSRFTHD1500600	11"	1 1/2"	6.72"	8"	7/8"	9 1/2"	18.74
8"	CSRFTHD1500800	13 1/2"	1 3/4"	8.72"	8"	7/8"	11 3/4"	29.98
10"	CSRFTHD1501000	16"	2"	10.88"	12"	1"	14 1/4"	42.99
12"	CSRFTHD1501200	19"	2 1/8"	12.88"	12"	1"	17"	63.93
14"	CSRFTHD1501400	21"	2 1/4"	14.14"	12"	1 1/8"	18 3/4"	90.39
16"	CSRFTHD1501600	23 1/2"	2 1/2"	16.16"	16"	1 1/8"	21 1/4"	127.31
18"	CSRFTHD1501800	25"	2 5/8"	18.18"	16"	1 1/4"	22 3/4"	179.31

Forged Raised Face Slip-On Flanges

Chemicals/Petroleum • Construction • Material Handling

150# Carbon Steel Forged ANSI B16.5 & ASTM A-105

Made in America



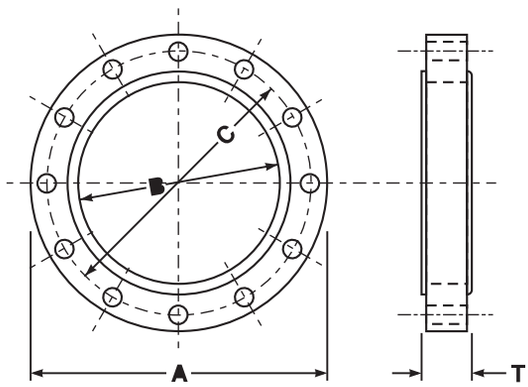
Nom. Size	Part Number	"A" OD	"T" Thickness	"B" Bore	No. of Bolt Holes	Dia. of Bolt Holes	"C" Circle	Weight per Set
1/2"	CSRF1500050	3 1/2"	5/8"	0.88"	4	5/8"	2 3/8"	1.10
3/4"	CSRF1500075	3 7/8"	5/8"	1.09"	4	5/8"	2 3/4"	1.98
1"	CSRF1500100	4 1/4"	3/4"	1.36"	4	5/8"	3 1/8"	2.18
1 1/4"	CSRF1500125	4 5/8"	7/8"	1.70"	4	5/8"	3 1/2"	3.09
1 1/2"	CSRF1500150	5"	7/8"	1.95"	4	5/8"	3 7/8"	3.60
2"	CSRF1500200	6"	1"	2.44"	4	3/4"	4 3/4"	5.07
2 1/2"	CSRF1500250	7"	1 1/8"	2.94"	4	3/4"	5 1/2"	7.05
3"	CSRF1500300	7 1/2"	1 1/4"	3.57"	4	3/4"	6"	7.94
4"	CSRF1500400	9"	1 3/8"	4.57"	8	3/4"	7 1/2"	13.01
5"	CSRF1500500	10"	1 3/8"	5.66"	8	7/8"	8 1/2"	14.99
6"	CSRF1500600	11"	1 1/2"	6.72"	8	7/8"	9 1/2"	18.74
8"	CSRF1500800	13 1/2"	1 3/4"	8.72"	8	7/8"	11 3/4"	29.98
10"	CSRF1501000	16"	2"	10.88"	12	1"	14 1/4"	42.99
12"	CSRF1501200	19"	2 1/8"	12.88"	12	1"	17"	63.93
14"	CSRF1501400	21"	2 1/4"	14.14"	12	1 1/82	18 3/4"	90.39
16"	CSRF1501600	23 1/2"	2 1/2"	16.16"	16	1 1/8"	21 1/4"	127.31
18"	CSRF1501800	25"	2 5/8"	18.18"	16	1 1/4"	22 3/4"	179.31

Forged Raised Face Slip-On Flanges

Chemicals/Petroleum • Construction • Material Handling

150# Stainless Steel Forged ANSI B16.5 & ASTM A-105

Made in America



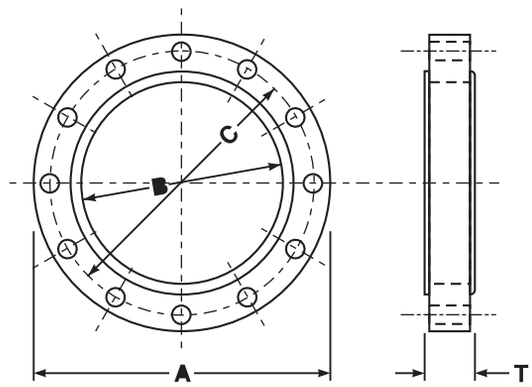
Nom. Size	Part Number	"A" OD	"T" Thickness	"B" Bore	No. of Bolt Holes	Dia. of Bolt Holes	"C" Circle	Weight per Set
1/2"	SSRF3041500050	3 1/2"	5/8"	0.88"	4	5/8"	2 3/8"	1.10
3/4"	SSRF3041500075	3 7/8"	5/8"	1.09"	4	5/8"	2 3/4"	1.98
1"	SSRF3041500100	4 1/4"	3/4"	1.36"	4	5/8"	3 1/8"	2.18
1 1/4"	SSRF3041500125	4 5/8"	7/8"	1.70"	4	5/8"	3 1/2"	3.09
1 1/2"	SSRF3041500150	5"	7/8"	1.95"	4	5/8"	3 7/8"	3.60
2"	SSRF3041500200	6"	1"	2.44"	4	3/4"	4 3/4"	5.07
2 1/2"	SSRF3041500250	7"	1 1/8"	2.94"	4	3/4"	5 1/2"	7.05
3"	SSRF3041500300	7 1/2"	1 1/4"	3.57"	4	3/4"	6"	7.94
4"	SSRF3041500400	9"	1 3/8"	4.57"	8	3/4"	7 1/2"	13.01
5"	SSRF3041500500	10"	1 3/8"	5.66"	8	7/8"	8 1/2"	14.99
6"	SSRF3041500600	11"	1 1/2"	6.72"	8	7/8"	9 1/2"	18.74
8"	SSRF3041500800	13 1/2"	1 3/4"	8.72"	8	7/8"	11 3/4"	29.98
10"	SSRF3041501000	16"	2"	10.88"	12	1"	14 1/4"	42.99
12"	SSRF3041501200	19"	2 1/8"	12.88"	12	1"	17"	63.93
14"	SSRF3041501400	21"	2 1/4"	14.14"	12	1 1/8"	18 3/4"	90.39
16"	SSRF3041501600	23 1/2"	2 1/2"	16.16"	16	1 1/8"	21 1/4"	127.31
18"	SSRF3041501800	25"	2 5/8"	18.18"	16	1 1/4"	22 3/4"	179.31

Forged Raised Face Slip-On Flanges

Chemicals/Petroleum • Construction • Material Handling

300# Carbon Steel Forged ANSI B16.5 & ASTM A-105

Made in America



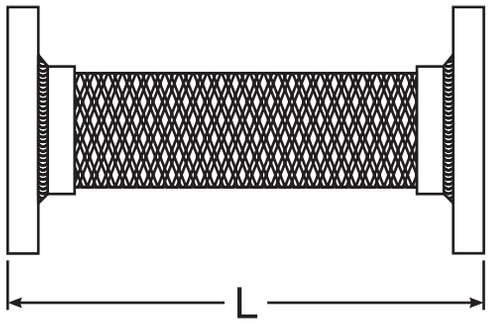
Nom. Size	Part Number	"A" OD	"T" Thickness	"B" Bore	No. of Bolt Holes	Dia. of Bolt Holes	"C" Circle	Weight per Set
1/2"	CSRF3000050	3 3/4"	7/8"	0.88"	4	5/8"	2 5/8"	1.92
3/4"	CSRF3000075	4 5/8"	1"	1.09"	4	3/4"	3 1/4"	2.53
1"	CSRF3000100	4 7/8"	1 1/16"	1.36"	4	3/4"	3 1/2"	3.09
1 1/4"	CSRF3000125	5 1/4"	1 1/16"	1.70"	4	3/4"	3 7/8"	3.56
1 1/2"	CSRF3000150	6 1/8"	1 3/16"	1.95"	4	7/8"	4 1/2"	5.01
2"	CSRF3000200	6 1/2"	1 5/16"	2.44"	8	3/4"	5"	7.05
2 1/2"	CSRF3000250	7 1/2"	1 1/2"	2.94"	8	7/8"	5 7/8"	9.92
3"	CSRF3000300	8 1/4"	1 11/16"	3.57"	8	7/8"	6 5/8"	13.01
4"	CSRF3000400	10"	1 7/8"	4.57"	8	7/8"	7 7/8"	22.05
5"	CSRF3000500	11"	2"	5.66"	8	7/8"	9 1/4"	28.00
6"	CSRF3000600	12 1/2"	1 1/16"	6.72"	12	7/8"	10 5/8"	39.02
8"	CSRF3000800	15"	2 7/16"	8.72"	12	1"	13"	57.98
10"	CSRF3001000	17 1/2"	2 5/8"	10.88"	16	1 1/8"	15 1/4"	80.91
12"	CSRF3001200	20 1/2"	2 7/8"	12.88"	16	1 1/4"	17 3/4"	115.08
14"	CSRF3001400	23"	3"	14.14"	20	1 1/4"	20 1/4"	162.08
16"	CSRF3001600	25 1/2"	3 1/4"	16.16"	20	1 3/8"	22 1/2"	228.28
18"	CSRF3001800	28"	3 1/2"	18.18"	24	1 3/8"	24 3/4"	321.52

Flexible Pump Connectors

Agriculture • Chemicals/Petroleum • Construction • Material Handling

HTIF Series Flanged Flexible Pump Connectors

Made in America

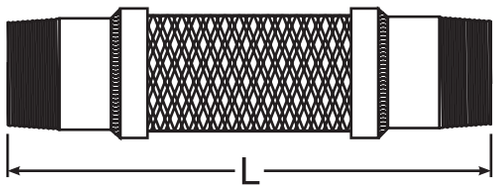


Construction - Stainless steel hose and single braid. Carbon steel 150# forged flange end connections.

Part Number	I.D. (In.)	"L" Overall Length (In.)	Live Length (In.)	Fitting Length Each End	Working Pressure PSI @ 70° F	Weight per Unit (Approx. lbs.)
HTIF 25x9	2 1/2"	9"	6 7/8"	5/8"	285	14
HTIF 30x9	3"	9"	6 7/8"	5/8"	240	15
HTIF 40x9	4"	9"	6 3/8"	5/8"	260	22
HTIF 50x11	5"	11"	8 1/4"	3/4"	220	29
HTIF 10x13	10"	13"	10"	1"	165	85
HTIF 12x14	12"	14"	11"	1"	125	120

HTIM Series MNPT Flexible Pump Connectors

Made in America



Construction -
Stainless steel hose and single braid. Carbon steel Schedule 40 male NPT end connections.

HTIM Series Standard Length MNPT Pump Connectors

Part Number	I.D. (In.)	"L" Overall Length (In.)	Live Length (In.)	Fitting Length Each End	Working Pressure PSI @ 70° F	Weight per Unit (Approx. lbs.)
HTIM 50	1/2"	6 1/2"	2 1/4"	1 1/2"	1125	0.6
HTIM 75	3/4"	7"	2 1/4"	1 1/2"	760	0.8
HTIM 150	1 1/2"	9"	3 1/2"	2"	450	2.0
HTIM 200	2"	10 1/2"	4 1/2"	2 1/4"	400	2.7
HTIM 250	2 1/2"	12"	5 1/2"	2 1/2"	285	4.0
HTIM 400	4"	16"	8"	3"	200	9.0

Why Rubber Expansion Joints?

There are a number of reasons why rubber expansion joints can provide the ideal solution to your piping and plumbing problems:

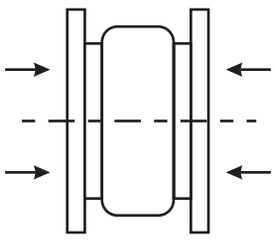
- Minimal face-to-face dimensions - Rubber expansion joints require considerably less space than typical expansion bends or loops and frequently have a lower pressure drop. This can translate into savings on installation costs, as well as improved performance.
- Light weight - Rubber expansion joints are relatively light in weight. This makes installation easier and less costly.
- Low movement forces required - The natural flexibility of rubber expansion joints allows almost unlimited flexing and recovery, as well as requiring less force to move. This helps prevent damage to costly equipment and expen-sivedown time.
- Reduced fatigue factor - The elastomers used in rubber expansion joints are not subject to fatigue breakdown or embrittlement. And they prevent electrolytic action.
- Reduced heat loss - Rubber expansion joints reduce heat losses and give longer maintenance-free service.
- Corrosion- and erosion-resistance - The superior corrosion-resistant characteristics of rubber expansion joints permit the safe handling of a wide variety of materials within the rated pressures and temperatures shown.

Typical Applications

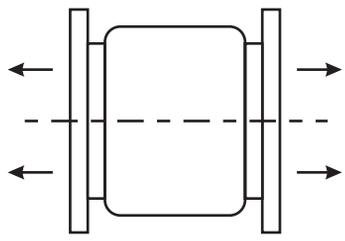
Air Conditioning, Heating & Ventilation Systems	
Commercial & Institutional Buildings	Hospitals
Schools	Motels
Apartments	Hotels
Stores	Aboard Ships & Boats
Central & Ancillary Power Generating Stations	
Communities	Buildings
Factories	Aboard Ships & Boats
Sewage Disposal & Water Treatment Plants	
Irrigation & Fire Fighting Stations	
Process Piping	
Pulp & Paper	
Chemical Primary Metal	
Petroleum Refining	

Rubber Expansion Joint Movement

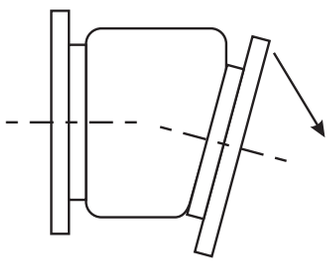
Expansion joints are designed to absorb different movements concurrently



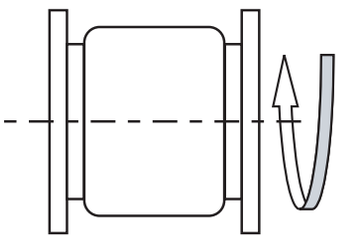
Axial Compression



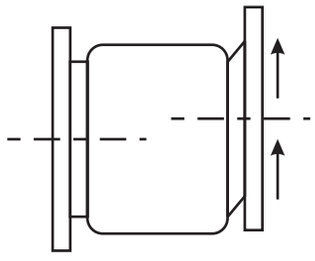
Axial Elongation



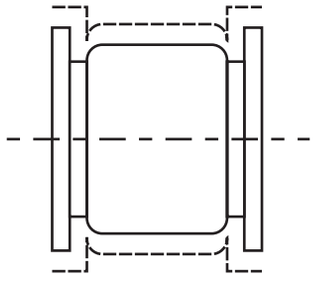
Angular Deflection
Bending of the Centerline



Torsional Movement
Rotation about the centerline (twist)



Transverse Deflection
Perpendicular to centerline



Vibration

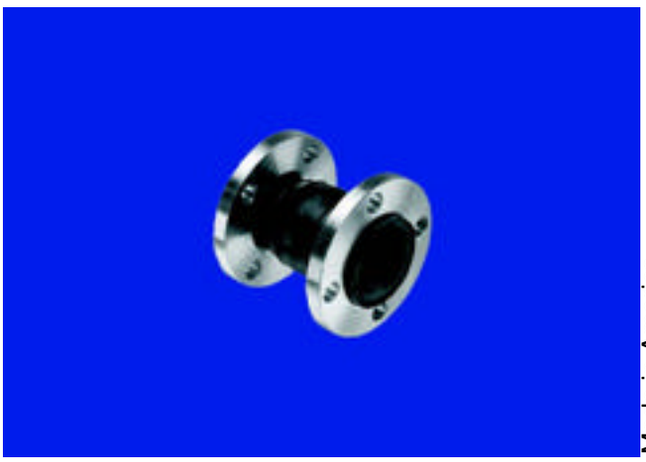
Flanged Rubber Expansion Joints
Chemicals/Petroleum • Construction

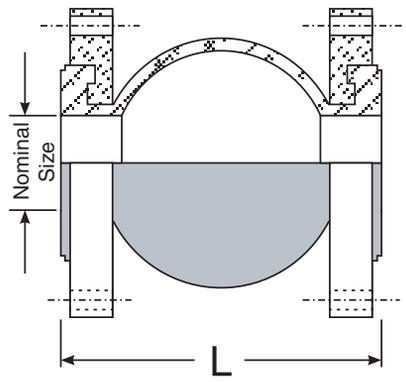
HTSRF Series
Single Sphere Flanged Rubber Expansion Joints

Construction - Nylon fabric-reinforced neoprene body with hardened spring steel wire reinforcement and forged carbon steel flanges.

Features

- Excellent ability to absorb vibration and sound.
- Allows for four-way movement.
- Withstands high pressure.
- Easy installation, using floating flanges.
- Excellent for use with moderate chemicals and acids, most oils, fats and grease and many solvents. Not for use with oxidizing acids, esters and ketones.





Part No.	Diameter		"L" In.	Allowable Movement				Operating Condition			Weight Each (lbs.)
	In.	mm		Axial Compression	Axial Elongation	Transverse Deflection	Angular Deflection	Max. Pressure PSIG	Max. Temp. °F	Vaccum Rating HG In.	
HTSRF 12X6	1 1/4"	32	6"	1/2"	3/8"	1/2"	15°	225	220	16	5.0
HTSRF 15X6	1 1/2"	40	6"	1/2"	3/8"	1/2"	15°	225	220	16	6.1
HTSRF 20X6	2"	50	6"	1/2"	3/8"	1/2"	15°	225	220	16	8.9
HTSRF 25X6	2 1/2"	65	6"	1/2"	3/8"	1/2"	15°	225	220	16	12.3
HTSRF 30X6	3"	80	6"	1/2"	3/8"	1/2"	15°	225	220	16	14.0
HTSRF 40X6	4"	100	6"	5/8"	3/8"	1/2"	15°	225	220	16	18.3
HTSRF 50X6	5"	125	6"	5/8"	3/8"	1/2"	15°	225	220	16	22.8
HTSRF 60X6	6"	150	6"	5/8"	3/8"	1/2"	15°	225	220	16	26.8
HTSRF 80X6	8"	200	6"	5/8"	3/8"	1/2"	15°	225	220	16	40.6
HTSRF 100X8	10"	250	8"	3/4"	1/2"	3/4"	15°	225	220	16	56.6
HTSRF 120X8	12"	300	8"	3/4"	1/2"	3/4"	15°	225	220	16	83.0
HTSRF 140X8	14"	350	8"	3/4"	1/2"	3/4"	15°	140	220	16	115.0
HTSRF 160X8	16"	400	8"	3/4"	1/2"	3/4"	15°	140	220	16	165.0
HTSRF 180X8	18"	450	8"	3/4"	1/2"	3/4"	15°	125	220	16	168.0
HTSRF 200X8	20"	500	8"	3/4"	1/2"	3/4"	15°	125	220	16	170.0

Flanged Rubber Expansion Joints

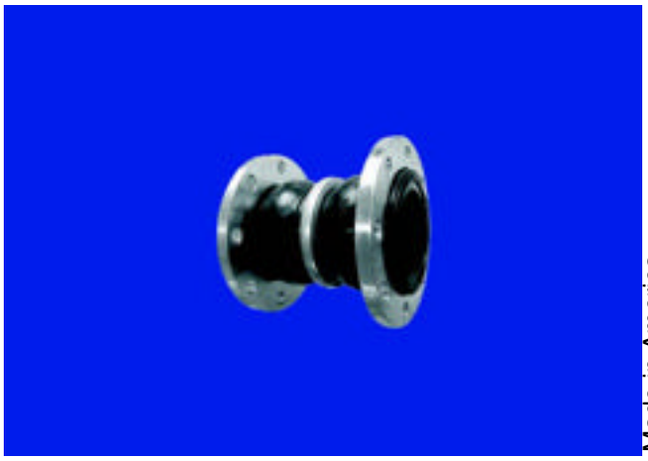
Chemicals/Petroleum • Construction

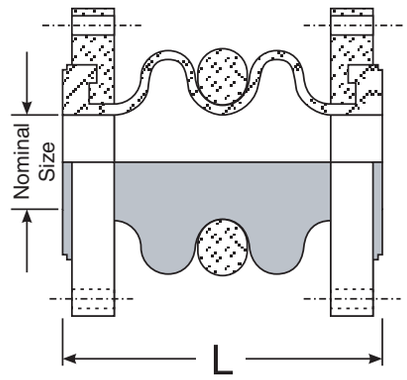
HTDRF Series
Double Sphere Flanged Rubber Expansion Joints

Construction - Nylon fabric-reinforced
neoprene body with hardened spring steel wire reinforcement and forged carbon steel flanges.

Features

- Excellent ability to absorb vibration and sound.
- Allows for four-way movement.
- Withstands high pressure.
- Easy installation, using floating flanges.
- Excellent for use with moderate chemicals and acids, most oils, fats and grease and many solvents. Not for
- use with oxidizing acids, esters and ketones.





Part No.	Diameter		"L" In.	Allowable Movement				Operating Condition			Weight Each (lbs.)
	In.	mm		Axial Compression	Axial Elongation	Transverse Deflection	Angular Deflection	Max. Pressure PSIG	Max. Temp. °F	Vaccum Rating HG In.	
HTDRF 12X7	1 1/4"	32	7"	2"	1 1/4"	1 1/2"	40°	150	220	16	5.3
HTDRF 15X7	1 1/2"	40	7"	2"	1 1/4"	1 1/2"	40°	150	220	16	6.8
HTDRF 20X7	2"	50	7"	2"	1 1/4"	1 1/2"	40°	150	220	16	9.0
HTDRF 25X7	2 1/2"	65	7"	2"	1 1/4"	1 1/2"	40°	150	220	16	13.3
HTDRF 30X7	3"	80	7"	2"	1 1/4"	1 1/2"	40°	150	220	16	14.3
HTDRF 40X9	4"	100	9"	2 1/4"	1 1/2"	1 3/4"	35°	150	220	16	20.3
HTDRF 50X9	5"	125	9"	2 1/4"	1 1/2"	1 3/4"	35°	150	220	16	24.5
HTDRF 60X9	6"	150	9"	2 1/4"	1 1/2"	1 3/4"	35°	150	220	16	29.5
HTDRF 80X13	8"	200	13"	2 1/2"	1 1/2"	1 3/4"	30°	150	220	16	43.8
HTDRF 100X13	10"	250	13"	2 1/2"	1 1/2"	1 3/4"	30°	150	220	16	64.1
HTDRF 120X13	12"	300	13"	2 1/2"	1 1/2"	1 3/4"	30°	150	220	16	95.0

Note: Retention rings are supplied with all Double Sphere Flanged Expansion Joints.

Threaded Union Rubber Expansion Joints

Chemicals/Petroleum • Construction

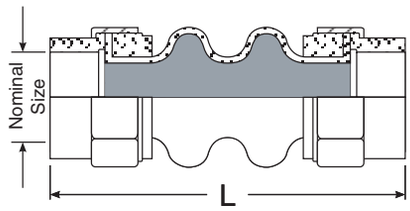
HTDRU Series Threaded Union Rubber Expansion Joint

Construction - Nylon fabric-reinforced neoprene body with cast ductile iron ground pipe unions.

Features

- Superb vibration absorption.
- Effective for large eccentricity thermal and bending angles.
- Low-cost installation and operation.
- Excellent for use with moderate chemicals and acids, most oils, fats and grease and many solvents. Not for use with oxidizing acids, esters and ketones.

Made in America



Part No.	Diameter		"L" In.	Allowable Movement				Operating Condition			Weight Each (lbs.)
	In.	mm		Axial Compression	Axial Elonga-tion	Tran-sverse Deflection	Angular Deflection	Max. Pressure PSIG	Max. Temp. °F	Vaccum Rating HG In.	
HTDRU 75	3/4"	20	8"	7/8"	1/4"	7/8"	45°	150	240	16	1.8
HTDRU 100	1"	25	8"	7/8"	1/4"	7/8"	45°	150	240	16	2.75
HTDRU 125	1 1/4"	32	8"	7/8"	1/4"	7/8"	45°	150	240	16	3.5
HTDRU 150	1 1/2"	40	8"	7/8"	1/4"	7/8"	45°	150	240	16	4.0
HTDRU 200	2"	50	8"	7/8"	1/4"	7/8"	45°	150	240	16	5.0

ELASTOMER PHYSICAL PROPERTIES & CHEMICAL RESISTANCE

Material Designation	Common Name					
	Neoprene Chloroprene	**Natural Rubber Polyisoprene, Synthetic**	**BUTYL Isobutene-Isoprene**	**BUNA-N/Nitrile Nitrile-Butadiene**	**Hypalon Chloro-Sulfonyl-Polyethylene**	**EPDM Ethylene-Propylene-Diene-Terpolymer**
ANSI/ASTM D1418-17	**CR**	**IR**	**IIR**	**NBR**	**CSM**	**EPDM**
ASTM D-2000 SAE J-200	**BC BE**	**AA**	**AA**	**BF BK CH**	**CE**	**BA CA DA**
Ozone	VG	X	E	F	O	O
Weather	E	F	VG	F	E	E
Sunlight	VG	X	VG	X	O	O
Oxidation	VG	G	E	G	E	E
Heat	G	F	VG	G	G	E
Cold	G	VG	G	FG	G	VG
Flame	G	X	X	X	G	X
Tear	G	VG	G	FG	FG	G
Abrasion	VG	E	G	G	G	VG
Impermeability	G	F	E	G	G	G
Dynamic	F	F	F	VG	F	VG
Rebound-Hot	VG	E	VG	G	G	E
Rebound-Cold	G	E	X	G	F	E
Comp. Set	F	G	FG	VG	F	G
Tensile Strength	G	E	G	VG	F	VG
Dielectric Strength	VG	E	VG	X	VG	O
Electrical Insulation	FG	VG	VG	PF	FG	E
Water Absorption	G	VG	VG	G	G	E
Radiation	VG	E	G	VG	VG	O
Swelling in Oil	G	X	X	VG	G	X
Acid, Dilute	E	FG	E	G	E	E
Acid, Concentrated	G	FG	G	G	G	G
Aliphatic Hydrocarbons	FG	X	X	E	FG	X
Aromatic Hydrocarbons	G	X	X	G	F	X
Oxygenated Hydrocarbons	PF	G	G	X	PF	E
Lacquers	X	X	FG	F	X	FG
Oil & Gasoline	G	X	X	VG	G	X
Alkali, Dilute	G	ND	G	G	G	E
Alkali, Concentrated	X	ND	G	X	G	E
Animal & Vegetable Oil	G	ND	VG	VG	G	VG
Chemical	FG	FG	E	FG	E	E
Water	G	VG	VG	G	VG	VG

Note: This chart is only intended for use as a general guide. Specific elastomer compounds produced by various manufacturers may have different properties.
Where chemical-resistance and mechanical characteristics are important, the product should be tested using the exact chemical formulation and under the exact environmental conditions the product will normally encounter in service.

Key to Ratings:	O - Outstanding	E - Excellent	VG - Very Good	G - Good
FG - Fair-to-Good	F - Fair	PF - Poor-to-Fair	X - Poor	ND - No Data

Chemical Resistance Guide
Ratings: E = Excellent; G = Good; F = Fair; A = Acceptable; X = Not Recommended; - = Contact Factory

CAUTION: This data has been compiled from generally available sources and should not be relied upon without consulting the manufacturer regarding specific applications and coupling materials.

All Ratings are based on 70° F. Chemical compatibility varies greatly with temperature. For applications at temperatures other than 70° F, contact Factory for recommendations.

Chemical Resistance of a material does not necessarily indicate the suitability of a fitting for a given application due to such variables as hose construction, gasket material, and the type and method of attaching clamps.

SPECIAL CAUTION SHOULD BE TAKEN WHEN HANDLING HAZARDOUS MATERIALS.

Chemical	Aluminium	Brass	304 Stainless Steel	316 Stainless Steel	Nylon	Polypropylene
Acetate Solvents (Crude)	E	X	E	E	A	X
Acetate Solvents (Pure)	E	E	E	E	A	X
Acetic Acid (80%)	F	X	E	E	X	X
Acetic Acid (50%)	G	X	G	E	X	X
Acetic Acid (20%)	G	X	G	E	X	X
Acetic Acid (10%)	G	X	E	E	X	X
Acetic Anhydride	G	X	G	G	X	X
Acetone	E	G	E	E	A	X
Acetylene	E	X	E	E	X	X
Alcohol, Amyl	G	G	G	G	A	A
Alcohol, Benzyl	G	G	E	E	X	A
Alcohol, Butyl	E	G	E	E	A	A
Alcohol, Diacetone	E	E	G	G	X	A
Alcohol, Ethyl	E	G	G	G	X	A
Alcohol, Hexyl	-	-	-	-	A	-
Alcohol, Isobutyl	-	-	-	-	A	-
Alcohol, Isopropyl	G	G	G	G	A	A
Alcohol, Methyl (Methanol)	G	G	G	G	A	A
Alcohol, Octyl	-	-	-	-	A	-
Alcohol, Propyl	G	G	E	E	X	A
Aluminum Chloride (Aqu.)	X	X	X	X	A	A
Aluminum Fluoride (Sat.)	G	-	X	G	X	A
Aluminum Nitrate (Sat.)	F	X	G	G	A	A
Aluminum Potassium Sulfate (Alum)	G	G	X	G	X	A
Aluminum Sulfate (Sat.)	X	X	-	G	A	A
Ammonia Anhydrous	E	X	G	E	A	X
Ammonia Gas	X	X	E	E	A	X
Ammonia Nitrate	-	-	-	-	X	-
Ammonium Biflouride	-	X	-	-	X	A
Ammonium Carbonate (Sat.)	G	X	G	G	A	A
Ammonium Casenate	-	-	-	-	A	-
Ammonium Chloride (Sat.)	X	X	X	X	A	A
Ammonium Hydroxide (Sat.)	G	X	G	G	A	A
Ammonum Nitrate	G	X	-	-	A	A
Ammonium Phosphate (10-40%)	X	X	E	G	A	A
Ammonium Sulfate (10-40%)	X	X	X	G	A	A

Chemical Resistance Guide
Ratings: E = Excellent; G = Good; F = Fair; A = Acceptable; X = Not Recommended; - = Contact Factory

Chemical	Aluminium	Brass	304 Stainless Steel	316 Stainless Steel	Nylon	Polypropylene
Aniline	-	X	E	E	X	X
Arsenic Acid	X	X	G	G	X	A
Asphalt	-	-	-	G	X	X
Barium Carbonate (Sat.)	X	G	G	G	A	A
Barium Chloride (Sat.)	-	G	X	-	A	A
Barium Hydroxide (Sat.)	X	G	G	G	A	A
Barium Sulfate	G	G	G	G	A	A
Barium Sulfide	X	X	G	G	A	A
Beer	E	G	E	E	A	A
Benzaldehyde	G	G	G	G	X	X
Benzene, Benzol	E	G	G	G	A	X
Benzine	-	-	-	-	A	X
Benzoic Acid	G	G	G	G	X	X
Black Liquor	X	X	G	G	X	A
Bleach (12.5% Active Chlorine)	X	-	-	X	X	A
Borax	X	G	E	E	X	A
Boric Acid	E	X	-	-	X	A
Brine Acid	-	G	-	-	X	A
Bromic Acid	X	X	-	-	X	A
Bromine Liquid	G	-	X	X	X	X
Butadiene, Butylene	G	G	G	G	X	X
Butane	G	G	G	G	X	X
Butyl Acetate	E	G	G	G	A	X
Butvric Acid	G	G	G	G	A	A
Calcium Bisulfate	X	-	X	G	X	A
Calcium Bisulfide	-	-	-	G	A	A
Calcium Bisulfite	X	X	-	G	X	A
Calcium Carbonate	X	G	E	G	A	A
Calcium Chloride (Sat.)	-	G	-	-	A	A
Calcium Hydroxide (Sat.)	X	G	G	G	A	A
Calcium Hypochlorite (Sat.)	X	X	X	G	X	A
Carbon Bisulfide	E	X	G	G	A	X
Carbon Dioxide (Dry)	E	E	G	G	A	A
Carbon Dioxide (Wet)	E	X	G	G	X	A
Carbon Disulfide	E	X	G	G	A	X
Carbon Monoxide	E	E	E	E	A	A
Carbon Tetrachloride	X	-	E	-	A	X
Carbonic Acid	E	G	G	G	X	A
Castor Oil	G	G	G	G	X	A
Caustic Potash	X	-	-	G	A	A
Cellosolves	G	G	G	G	X	A
Chlorine (Liquid)	-	-	-	F	X	X
Chloroform	-	-	-	-	X	X
Chlorosulfonic Acid	-	X	X	X	X	X
Clorox (Bleach, 5.5% CL)	X	-	-	G	X	-
Chromic Acid (50%)	G	X	F	-	X	X
Citric Acid	F	X	-	-	X	A
Coke Oven Gas	G	F	G	G	X	X

Chemical Resistance Guide
Ratings: E = Excellent; G = Good; F = Fair; A = Acceptable; X = Not Recommended; - = Contact Factory

Chemical	Aluminium	Brass	304 Stainless Steel	316 Stainless Steel	Nylon	Polypropylene
Copper Chloride	X	X	X	X	A	A
Copper Cyanide	X	X	G	G	X	-
Copper Sulfate	X	X	-	G	A	A
Crysylic Acid (Conc.)	G	G	G	G	X	X
Cyclohexane	G	G	G	G	A	X
Detergents	G	G	E	G	A	A
Dextrose	G	-	-	-	A	A
Diesel Fuels	E	E	E	E	A	X
Diethylamine	G	-	G	G	X	A
Disodium Phosphate	-	-	-	E	A	A
Ethers	G	G	E	E	A	X
Ethyl Acetate	-	-	G	G	A	X
Ethyl Chloride	-	-	-	E	A	X
Ethylene Chloride	-	-	-	-	A	X
Ethylene Dichloride	-	G	G	G	A	X
Ethylene Glycol	E	G	G	G	A	X
Ethylene Oxide	E	X	G	G	X	X
Fatty Acids	E	F	-	E	A	A
Ferric Chloride	X	X	X	X	X	A
Ferric Hydroxide	-	-	E	E	A	-
Ferric Nitrate (10-50%)	X	X	G	G	X	A
Ferric Sulfate	X	X	-	-	X	A
Ferrous Chloride (Sat.)	X	X	X	X	X	A
Ferrous Sulfate	G	G	G	-	X	A
Fluboric Acid	X	-	-	-	X	A
Formaldehyde (50%)	-	G	E	E	X	A
Formic Acid (Anhyd.)	E	X	-	-	X	A
Freon 11	G	G	G	G	A	X
Freon 12	G	G	G	G	A	X
Freon 22	G	G	G	G	A	X
Fruit Juices	G	G	G	G	A	A
Fuel Oil	G	G	G	G	A	X
Furfural	G	G	G	G	A	X
Gasoline, Refined	G	G	G	G	A	X
Gasoline, Sour	X	G	G	G	A	X
Gelatin	G	G	G	G	A	A
Glucose	G	G	G	G	A	A
Glue	G	G	-	G	-	A
Glycerine	E	E	E	E	A	A
Glycols	G	G	G	G	A	A
Green Liquor	-	-	-	-	-	A
Heptane	G	G	G	G	A	X
Hexane	G	G	E	E	A	X
Hydrobromic Acid (50%)	X	X	X	X	X	A
Hvdrobromic Acid (20%)	X	X	X	X	X	A
Hvdrochloric Acid (20%)	X	X	X	X	X	A
Hydrochloric Acid (38%)	X	X	X	X	X	A
Hydrocyanic Acid	G	X	G	G	X	A

Chemical Resistance Guide
Ratings: E = Excellent; G = Good; F = Fair; A = Acceptable; X = Not Recommended; - = Contact Factory

Chemical	Aluminium	Brass	304 Stainless Steel	316 Stainless Steel	Nylon	Polypropylene
Hydrofluosilicic Acid (10-50%)	X	G	X	G	X	-
Hydrogen Peroxide (50%)	-	X	-	-	X	A
Hydrogen Sulfide (Aqueous)	-	-	X	G	X	A
Hydrogen Chloride (Dry Gas)	X	G	-	-	X	A
Hydrogen Gas	E	E	E	E	X	A
Hypochlorous Acid	X	X	X	X	X	X
Iodine	E	X	X	X	X	A
Isopropyl Ether	-	G	E	G	A	X
Jet Fuel (JP4, JPS)	G	E	G	G	X	X
Kerosene	G	G	G	G	X	X
Ketones	G	G	G	G	A	X
Lactic Acid (25%)	F	G	-	-	A	A
Lactic Acid (80%)	G	G	-	-	A	A
Lard Oil	G	-	G	G	A	A
Lead Acetate	X	X	G	G	X	A
Lead Chloride	X	-	G	G	X	-
Lead Sulfate	X	-	G	G	X	-
Lime Sulphur	X	X	G	G	X	A
Linoleic Acid	G	X	G	G	X	A
Linseed Oil	G	G	G	G	A	A
Lubricants (Oil)	G	E	G	G	A	X
Magnesium Carbonate	G	-	G	G	X	A
Magnesium Chloride	X	X	-	-	X	A
Magnesium Hydroxide	G	G	E	E	X	A
Maanesium Nitrate	G	G	G	G	X	A
Magnesium Oxide	-	-	-	-	X	-
Magnesium Sulfate	G	-	G	G	X	A
Maleic Acid	-	G	-	G	X	A
Mercuric Chloride	X	X	X	-	X	A
Mercuric Cyanide	X	X	G	G	X	A
Mercury	X	X	E	E	A	A
Methane	E	E	E	E	A	X
Methanol	G	G	G	G	A	A
Methyl Bromide	X	-	G	G	X	X
Methyl Ethyl Ketone	G	G	G	G	A	X
Methyl Isobutyl Ketone	G	G	G	G	A	X
Methyl Methacrylate	G	-	G	G	X	A
Methylene Chloride	-	G	-	-	A	X
Milk	E	X	E	E	A	A
Mineral Oil	G	E	E	G	A	A
Muriatic Acid	X	-	X	X	X	A
Napthalene	G	G	E	E	A	A
Naptha	G	G	G	G	A	X
Nickel Chloride	X	X	-	-	X	A
Nickel Sulfate	X	X	G	G	X	A
Nitric Acid (100%)	E	X	G	-	X	X
Nitric Acid (50%)	X	X	G	-	X	X
Nitric Acid (30%)	X	X	E	-	X	X

Chemical Resistance Guide
Ratings: E = Excellent; G = Good; F = Fair; A = Acceptable; X = Not Recommended; - = Contact Factory

Chemical	Aluminium	Brass	304 Stainless Steel	316 Stainless Steel	Nylon	Polypropylene
Nitrobenzene	E	G	G	G	A	A
Oil, Castor	G	G	G	G	A	A
Oil, Coconut	G	-	G	G	A	A
Oil, Corn	G	G	-	G	A	A
Oil, Cotton Seed	G	G	G	G	A	A
Oil, Fuel	G	G	G	G	A	X
Oil, Linseed	G	G	G	G	A	A
Oil, Mineral	G	E	E	G	A	A
Oil, Silicon	G	E	G	G	A	A
Oil, Vegetable	G	G	E	E	A	X
Oleic-Acid	G	F	-	E	A	X
Oleum	G	X	G	G	X	X
Oxalic Acid (Sat.)	G	-	X	X	X	A
Oxygen	G	G	G	G	X	X
Palmitic Acid (Sat.)	G	F	G	G	X	A
Paraffin	G	G	G	G	A	A
Perchloroethylene	G	G	-	-	X	X
Petrolatum	G	-	G	G	A	-
Phenol (Carbolic Acid)	E	E	-	E	X	X
Phosphoric Acid (25-50%)	X	X	-	-	X	A
Phosphoric Acid (50-85%)	X	X	-	-	X	A
Photographic Solutions	-	-	E	E	X	X
Phthalic Anhydride	-	G	E	E	X	X
Picric Acid	E	X	G	G	X	-
Plating Solution, Brass	-	-	-	G	X	A
Plating Solution, Cadmium Plating	-	-	-	G	X	A
Plating Solution, Chrome (40%)	X	G	G	G	X	A
Plating Solution, Copper (Cyanide)	-	-	-	-	X	A
Plating Solution, Gold	-	-	-	E	X	A
Plating Solution, Iron	-	-	-	-	X	A
Plating Solution, Lead	-	-	E	E	X	A
Plating Solution, Nickel	-	-	E	E	X	A
Plating Solution, Silver	-	-	E	E	X	A
Plating Solution, Tin	-	-	-	F	X	A
Plating Solution, Zinc	-	-	-	-	X	A
Potassium Acetate	X	X	-	-	A	A
Potassium Bicarbonate (30%)	X	G	E	E	A	A
Potassium Carbonate (50%)	X	G	E	E	A	A
Potassium Chlorate (30%)	G	X	G	E	X	A
Potassium Chloride (30%)	X	X	-	-	A	A
Potassium Chromate (30%)	G	G	G	G	X	A
Potassium Cyanide Solution (30%)	X	X	G	G	X	A
Potassium Dichromate (30%)	E	G	E	I	X	A
Potassium Hydroxide (90%)	X	X	X	-	X	A
Potassium Nitrate (80%)	E	G	G	G	X	A
Potassium Permanganate (20%) G	G	G	G	X	A	
Propane	E	E	G	G	X	X
Propylene Gylcol	G	G	G	G	A	A

Chemical Resistance Guide
Ratings: E = Excellent; G = Good; F = Fair; A = Acceptable; X = Not Recommended; - = Contact Factory

Chemical	Aluminium	Brass	304 Stainless Steel	316 Stainless Steel	Nylon	Polypropylene
Propylene Oxide (90%)	-	-	E	E	X	X
Pyridine	G	G	G	G	A	X
Pyrogallic Acid	G	G	G	G	X	X
Silver Nitrate	X	X	G	E	X	A
Soap Solutions	G	G	G	G	A	A
Sodium Acetate	E	G	G	G	A	A
Sodium Bicarbonate (20%)	G	G	E	E	A	A
Sodium Bisulfate	X	-	-	-	A	A
Sodium Bisulfite	X	G	-	-	A	A
Sodium Borate	G	G	G	G	A	A
Sodium Perborate (10%)	G	X	G	G	X	A
Sodium Carbonate	X	G	-	G	A	A
Sodium Chlorate (50%)	G	G	G	G	X	A
Sodium Cyanide	X	X	-	-	A	A
Sodium Dichromate	G	X	G	G	X	A
Sodium Hydroxide (70%)	X	X	G	G	X	A
Sodium Hydroxide (50%)	X	X	E	-	X	A
Sodium Hydroxide (30%)	X	G	E	E	X	A
Sodium Chloride (30%)	X	G	-	-	X	A
Sodium Hypochlorite	X	X	-	-	X	A
Sodium Metaphosphate	X	X	G	G	X	X
Sodium Nitrate (40%)	E	G	E	E	A	A
Sodium Perborate (10%)	G	X	G	G	X	A
Sodium Peroxide (10%)	G	X	G	G	X	A
Sodium Silicate	E	G	G	G	A	A
Sodium Sulfate	-	G	-	E	A	A
Sodium Sulfide (50%)	X	X	-	G	X	A
Sodium Thiosulphate	G	X	G	G	A	A
Stannic Chloride	X	X	X	X	X	A
Stannous Chloride	X	X	X	-	X	X
Steam	-	-	-	-	X	-
Stearic Acid	G	F	G	E	A	A
Stoddard's Solvent	G	G	G	G	X	A
Sugar Liquors (Cane)	E	G	G	G	A	A
Sugar Liquors (Beet)	E	G	E	E	A	A
Sulfate Liquors	G	X	-	G	X	A
Sulfite Liquors	X	X	G	G	X	X
Sulfur Chloride	X	-	-	-	X	X
Sulfur Dioxide (Dry)	G	G	-	G	X	A
Sulfur Trioxide	G	G	-	G	X	X
Sulfuric Acid (up to 10%)	X	G	X	X	X	A
Sulfuric Acid (100%)	X	X	-	-	X	X
Sulfurous Acid	G	G	X	-	X	A
Tannic Acid	X	-	G	G	X	A
Tanning Liquors	E	-	E	E	X	A
Tartaric Acid	-	-	E	E	A	A
Titanium Tetrachloride	X	X	-	G	X	X
Toluene	E	E	E	E	A	X

Chemical Resistance Guide
Ratings: E = Excellent; G = Good; F = Fair; A = Acceptable; X = Not Recommended; - = Contact Factory

Chemical	Aluminium	Brass	304 Stainless Steel	316 Stainless Steel	Nylon	Polypropylene
Tetrahydrofuran	X	-	E	G	A	X
Tomato Juice	G	-	G	G	X	A
Trichloroethylene	E	-	-	-	A	X
Triethylamine	-	-	G	G	A	X
Trisodium Phosphate (10%)	X	G	E	E	A	A
Turpentine	G	X	E	E	X	X
Urea (50%)	G	-	G	G	A	A
Urine	-	-	E	E	X	A
Vinegar	G	X	G	G	X	A
Water Acid (Mine)	X	X	-	-	X	A
Water (Distilled)	X	G	G	G	A	A
Water (Sea)	G	G	G	G	A	A
Whiskey	X	G	E	E	X	A
White Liquor (Pulp)	G	-	G	G	X	A
Wine	X	G	E	E	X	A
Xylene	G	G	G	G	A	X
Zinc Chloride	X	X	X	G	A	A
Zinc Nitrate	-	-	G	G	X	A
Zinc Sulfate (50%)	X	G	E	E	X	A

Material Specifications

Aluminum Quick-Acting Couplings from pages 860 to 870, 882 and 883

	Body	Handles	Slot Pins	Pull Rings	Gaskets	Safety Clips
Aluminum	Aluminum alloy, specially designed for high tensile strength, lightness and rigidity.	Forged Brass	Zinc-plated Carbon Steel	Zinc-plated Carbon Steel	Buna-N	Zinc-plated Carbon Steel

All sizes except 5" and 8" are made to comply with MIL Spec A-A-59326 for interchangeability. Sizes 5" & 8" comply with ASTM Specifications for interchangeability. 1/2" x 1/2" are not specified under MIL Specs.
All 8" couplers supplied with 4 locking handles, safety clips, pull rings and chains at NO CHARGE.

Brass Quick-Acting Couplings from pages 879 to 883

	Body	Handles	Slot Pins	Pull Rings	Gaskets	Safety Clips
Brass	Brass alloy, specially designed for high tensile strength and rigidity.	Forged Brass	Type 304 Stainless Steel	Type 304 Stainless Steel	Buna-N	Zinc-plated Carbon Steel

All sizes except 5" are made to comply with MIL Spec A-A-59326 for interchangeability. 5" size complies with ASTM F1122 Specifications for interchangeability. 1/2" x 1/2" are not specified under MIL Specs.

Glass Reinforced Nylon Quick-Acting Couplings from page 886 to 888

	Body	Handles	Slot Pins	Pull Rings	Gaskets	Safety Clips
Glass Reinforced Nylon	Fiberglass-reinforced Nylon, for high tensile strength, light weight and rigidity	Type 304 LTW Stainless Steel	Type 304 Stainless Steel	Type 304 Stainless Steel	EPDM	Type 304 Stainless Steel

All sizes are made to comply with MIL Spec A-A-59326 for interchangeability.

Polypropylene Quick-Acting Couplings from pages 889 to 893

	Body	Handles	Slot Pins	Pull Rings	Gaskets	Safety Clips
Polypropylene	Polypropylene is glass-filled for added strength and durability	Type 304 Investment Cast Stainless Steel	Type 304 Stainless Steel	Type 304 Stainless Steel	EPDM	Type 304 Stainless Steel

All sizes are made to comply with MIL Spec A-A-59326 for interchangeability. 1/2" x 1/2" are not specified under MIL Specs.

SS304 Stainless Steel Quick-Acting Couplings from page 871

	Body	Handles	Slot Pins	Pull Rings	Gaskets	Safety Clips
Stainless Steel	Stainless Steel Type 304 (ASTM A351 Grade CF-8). Every melt is ana- lyzed for chemical composition. A Chemical Test Certificate showing the general compo- sition is available upon request.	Type 304 Stainless Steel	Type 304 Stainless Steel	Type 304 Stainless Steel	Buna-N	Type 304 Stainless Steel

All sizes except 5" and 8" are made to comply with MIL Spec A-A-59326 for material and interchangeability. Sizes 5" & 8" comply with ASTM Specifications for material and interchangeability. 1/2" x 1/2" are not specified under MIL Specs.

SS 316 Stainless Steel Quick-Acting Couplings from pages 874 to 878, 883, 884 and 885

	Body	Handles	Slot Pins	Pull Rings	Gaskets	Safety Clips
Stainless Steel	Stainless Steel Type 316 (ASTM A351 Grade CF-8M). Every melt is an- alyzed for chemical composition. A Chemical Test Certificate showing the general compo- sition is available upon request.	Type 304 Stainless Steel	Type 304 Stainless Steel	Type 304 Stainless Steel	Buna-N	Type 304 Stainless Steel

All sizes except 5" and 8" are made to comply with MIL Spec A-A-59326 for material and interchangeability. Sizes 5" & 8" comply with ASTM Specifications for material and interchangeability. 1/2" x 1/2" are not specified under MIL

Specs.
Operating Pressures & Temperatures

Part	Maximum PSI Rating	Maximum Temperature
Aluminum Quick-Acting Couplings from pages 860 to 870, 882 and 883	1/2" - 4": 150 PSI 5" - 6": 75 PSI 8": 50 PSI	Ambient
Brass Quick-Acting Couplings from pages 880 to 883	1/2" - 4": 150 PSI 5" - 6": 75 PSI	Ambient
Combination Nipples from pages 917 to 919	1/2" - 1 1/2": 125 PSI 2" - 2 1/2": 75 PSI 3" - 4": 50 PSI 5" - 6": 25 PSI	Ambient
Glass Reinforced Nylon Couplings from page 886 to 888	1": 175 PSI 1/2" - 2": 150 PSI 3": 125 PSI 4": 75 PSI	Ambient
Ground Joints from pages 908 to 912	Steam - 250 PSI Asphalt & Hot Tar - 200 PSI Air - 600 PSI	450ºF
Irri-Loc® Couplings from page 923 to 925	2" - 3": 290 PSI 4" - 8": 174 PSI	Ambient
Pin Lugs from page 913 to 915	1/2" - 2": 75 PSI 2 1/2" - 4": 50 PSI 5" - 6": 25 PSI	Ambient
Polypropylene Quick-Acting Couplings from pages 889 to 893	1/2" - 2": 100 PSI @ 0ºF 125 PSI @70ºF, 70 PSI @ 150ºF 3" - 4": 75 PSI @ 70ºF	1/2" - 2": 100 PSI @ 0ºF 125 PSI @70ºF 70 PSI @ 150ºF 3" - 4": 75 PSI @ 70ºF
Quick Disconnect Couplings & Plugs from page 906 to 907	300 PSI	240ºF
Sandblast Couplings from page 902 to 905	110 PSI	Ambient
SS304 Stainless Steel Quick-Acting Couplings from page 871	1/2" - 2": 250 PSI 4": 150 PSI 5" - 6": 75 PSI	Ambient
SS316 Stainless Steel Quick-Acting Couplings from pages 829, to 878, 883, 884 and 885	1/2" - 2": 250 PSI 2 1/4" - 4": 150 PSI 5" - 6": 75 PSI	Ambient
Universal Couplings from page 898 to 901	150 PSI	70ºF

mori s.p.a.

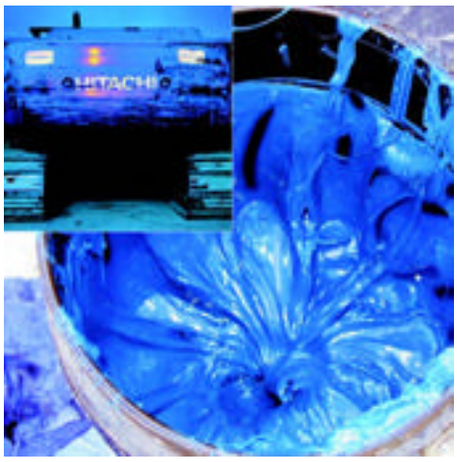
take care of your business

special grease

graisses spéciales

grassi speciali

Caliber Blue EP2
Caliber Blue EP2
Caliber Blue EP2



Type/Features
- **Lithium and Calcium Complex**
- **Heavy-load resistance**
- **Suitable for low-medium speed**

Notes:
Suitable for earthmoving applications with temperatures between 0°C and 150°C

Thickener / base oil	NLGI Grade	Operating temperature °C	Speed factor n x dn	Weld Point	Colour
Lithium - mineral calcium	**2**	**0°C / 105°C**	**100.000**	**620 Kg**	**blue**

Type / caractéristiques
- *Complexe de Lithium et de Calcium*
- *Résistante aux hautes charges*
- *Indiqué pour des vitesses moyennes / basses*

Notes:
Formulation versatile pour toutes les applications du mouvement au sol à températures de 0°C à 105°C

epaississant / huile base	*classe consistance*	*température d'utilisation °C*	*facteur de vitesse n x dn*	*point de soudure*	*Couleur*
lithium - calcium minéral	*2*	*0°C / 105°C*	*100.000*	*620 Kg*	*bleu*

Tipo/ Caratteristiche
- Complesso di Litio e Calcio
- Resistente agli alti carichi
- Indicato per velocità medio basse

Note:
Formulazione versatile per tutte le applicazioni del movimento terra a temperature da 0°C a 105°C

addensante/ olio base	classe consistenza	temperatura d'impiego °C	fattore di velocità n x dn	punto di saldatura	colore
litio - calcio minerale	2	0°C / 105°C	100.000	620 Kg	blue

Caliber ™ (3% Moly) - 3M Caliber ™ 5M (5% Moly)

Caliber ™ (3% Moly) - 3M Caliber ™ 5M (5% Moly)

Caliber ™ (3% Moly) - 3M Caliber ™ 5M (5% Moly)

Type/Features
Lithium complex with solid lubricant complying with OEM Specifications

Notes:
Non-synthetic pumpable grease.
High performances at reduced cost.

Thickener / base oil	NLGI Grade	Operating temperature °C	Speed factor n x dn	Weld Point	Colour
Mineral lithium - complex	**2**	**-49°C / 150°C**	**100.000**	**400 Kg**	**nero**

Type / caractéristiques
Complexe de lithium avec lubrifiant solide conformément aux spéc. *OEM*

Notes:
Graisse non synthétique, applicable à la pompe.
Autres prestations à coûts réduits.

epaississant/huile base	*classe consistance*	*température d'utilisation °C*	*facteur de vitesse n x dn*	*point de soudure*	*couleur*
Lithium - calcium minéral	*2*	*-49°C / 150°C*	*100.000*	*400 Kg*	*noir*

Tipo/ Caratteristiche
Complesso di litio con lubrificante solido conformemente alle spec. OEM

Note:
Grasso non sintetico, applicabile tramite pompa.
Altre prestazioni a costi contenuti.

addensante/ olio base	classe consistenza	temperatura d'impiego °C	fattore di velocità n x dn	punto di saldatura	colore
litio-complesso minerale	2	-49°C / 150°C	100.000	400 Kg	nero

Matrix
Matrix
Matrix

Type/Features
- **Thickened with calcium sulfonate**
- **Rust protection**
- **Water resistant**
- **Neutralizes acids**
- **Detergent resistant**
- **Long-lasting in wet conditions**

Notes:
Ideal for heavy loads, high speed, water or dust contamination. Suitable for temperatures up to 200°C (400°F) or higher, with adequate re-lubrication.

Thickener / base oil	NLGI Grade	Operating temperature °C	Speed factor n x dn	Weld Point	Colour
Mineral calcium sulfonate	2	-10°C / 288°C	300.000	800 Kg	verde

Type / caractéristiques
- *Épaississant avec sulfonate de calcium*
- *Protection de la rouille*
- *Résistante à l'eau*
- *Neutralise les acides*
- *Résiste aux détergents*
- *Longue durée en applications en conditions mouillées*

Notes:
Elle peut être utilisée en conditions de forte charge, de grande vitesse, d'eau ou de contamination de poussière. Utiliser jusqu'à 200°C (400°F) ou même à des températures supérieures si le nombre de lubrifications est suffisant.

epaississant/huile base	*classe consistance*	*température d'utilisation °C*	*facteur de vitesse n x dn*	*point de soudure*	*couleur*
Sulfonate de calcium minéral	*2*	*-10°C / 288°C*	*300.000*	*800 Kg*	*vert*

Special grease
Graisses spéciales
Grassi speciali

Tipo/ Caratteristiche
- Addensato con solfonato di calcio
- Protezione dalla ruggine
- Resistente all'acqua
- Neutralizza gli acidi
- Resiste ai detergenti
- Lunga durata in applicazioni in condizioni di bagnato

Note:
Può essere usato in condizioni di forte carico, alta velocità, acqua o contaminazione da polvere. Utilizzare fino a 200°C (400°F) o anche a temperature maggiori se il numero di lubrificazioni è sufficiente.

addensante/ olio base	classe consistenza	temperatura d'impiego °C	fattore di velocità n x dn	punto di saldatura	colore
sulfonato di calcio minerale	2	-10°C / 288°C	300.000	800 Kg	verde

Dura-Film™
Dura-Film™
Dura-Film™

Type/Features
- **Thickened with calcium sulfonate soap complex**
- **Extreme pressures**
- **Water resistant**

Notes:
Similar to Matrix™, but with a completely synthetic-based oil. Suitable for automatic lubrication systems, especially at low temperatures.

Thickener / base oil	NLGI Grade	Operating temperature °C	Speed factor n x dn	Weld Point	Colour
Synthetic calcium sulfonate	**2**	**-32°C / 260°C**	**300.000**	**400 Kg**	**verde**

Type/caractéristiques
- *Épaississant avec savon complexe de sulfonate de calcium*
- *Pressions extrêmes*
- *Résistante à l'eau*

Notes:
Semblable à Matrix™, mais elle utilise une huile à base complètement synthétique. Utiliser dans des systèmes de lubrification automatiques, spécialement en conditions de froid.

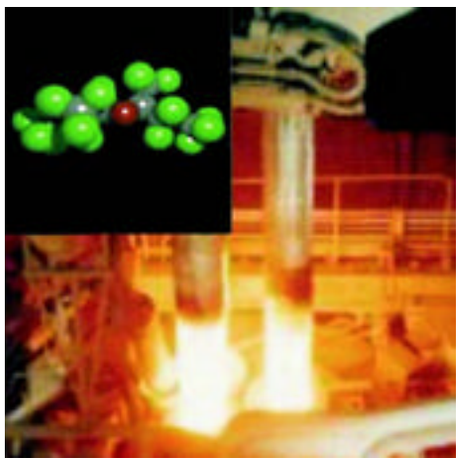
epaississant/huile base	*classe consistance*	*température d'utilisation °C*	*facteur de vitesse n x dn*	*point de soudure*	*couleur*
Sulfonate de calcium synthétique	*2*	*-32°C / 260°C*	*300.000*	*400 Kg*	*vert*

Tipo/ Caratteristiche
- Addensato con sapone complesso di solfonato di calcio
- Estreme pressioni
- Resiste all'acqua

Note:
Simile a Matrix™ , ma utilizza un olio a base completamente sintetica. Usare in sistemi di lubrificazione automatici, specialmente in condizioni di freddo.

addensante/ olio base	classe consistenza	temperatura d'impiego °C	fattore di velocità n x dn	punto di saldatura	colore
sulfonato di calcio sintetico	2	-32°C / 260°C	300.000	400 Kg	verde

DET 900
(synthetic)
DET 900
(synthetic)
DET 900
(synthetic)



Type/Features
- **Inert PTFE synthetic grease**
- **Long-lasting at high temperatures**
- **Acid resistant**
- **Insoluble in solvents**

Notes:
For temperatures up to 280°C (535°C). Ideal for oven bearings, fan bearings on textile machines, lubricated-for-life bearings, rotomoulding and ridge-roller bearings.

Thickener / base oil	NLGI Grade	Operating temperature °C	Speed factor n x dn	Weld Point	Colour
PTFE	2	-40°C / 300°C	300.000	-	bianco

Type / caractéristiques
- *Graisse synthétique inerte PTFE*
- *Longue durée à hautes températures*
- *Résistante aux acides*
- *Pas attaquée par les solvants*

Notes:
Pour des températures jusqu'à 280°C (535°F). Utiliser sur coussinets de fours, de systèmes de chauffage de machines à détente, coussinets lubrifiés de manière permanente, coussinets de rouleaux profilés et pour moulage à rotation.

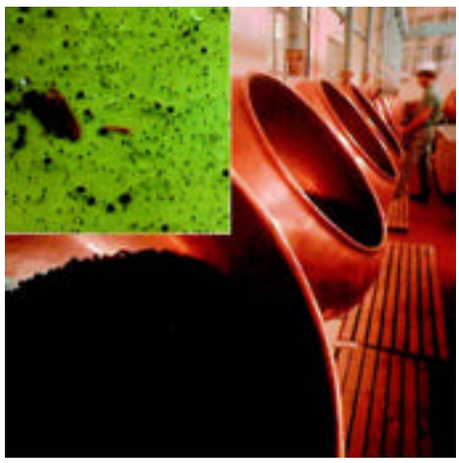
epaississant/huile base	*classe consistance*	*température d'utilisation °C*	*facteur de vitesse n x dn*	*point de soudure*	*couleur*
PTFE	*2*	*-40°C / 300°C*	*300.000*	*-*	*blanc*

Tipo/ Caratteristiche
- Grasso sintetico inerte PTFE
- Lunga durata ad alte temperature
- Resistente agli acidi
- Non intaccato dai solventi

Note:
Per temperature fino a 280°C (535°F). Usare su cuscinetti di forni, di sistemi di riscaldamento di macchine distenditrici, cuscinetti lubrificati in modo permanente, cuscinetti di rulli sagomati e per stampaggio a rotazione.

addensante/ olio base	classe consistenza	temperatura d'impiego °C	fattore di velocità n x dn	punto di saldatura	colore
PTFE	2	-40°C / 300°C	300.000	-	bianco

Madallion™ FM - Grease
(food machinery)
Madallion™ FM - Grease
(food machinery)
Madallion™ FM - Grease
(food machinery)



Type/Features
- **USDA H-1 & Kosher (incidental food contact is possible)**
- **Contains Lubristat™**

Notes:
Suitable in food processing plants, provides excellent protection from wear, water resistant. Safe in case of food contact. Limits the growth of bacteria.

Thickener / base oil	NLGI Grade	Operating temperature °C	Speed factor n x dn	Weld Point	Colour
Mineral aluminium complex	**2**	**-18°C / 193°C**	**300.000**	**-**	**bianco**

Type/caractéristiques
- *USDA H-1 & Kosher (le contact accidentel avec les aliments est acceptable)*
- *Contient Lubristat™*

Notes:
Graisse pour l'industrie alimentaire avec propriétés exceptionnelles anti-usure et de résistance à l'eau. Sûre près des aliments. Elle résiste aux bactéries.

epaississant/huile base	*classe consistance*	*température d'utilisation °C*	*facteur de vitesse n x dn*	*point de soudure*	*couleur*
Aluminium complexe minéral	*2*	*-18°C / 193°C*	*300.000*	-	*blanc*

Tipo/ Caratteristiche
- USDA H-1 & Kosher (il contatto accidentale con gli alimenti è accettabile)
- Contiene Lubristat™

Note:
Grasso per l'industria alimentare con eccezionali proprietà antiusura e di resistenza all'acqua. Sicuro in vicinanza di alimenti. Resiste ai batteri.

addensante/ olio base	classe consistenza	temperatura d'impiego °C	fattore di velocità n x dn	punto di saldatura	colore
alluminio complesso minerale	2	-18°C / 193°C	300.000	-	bianco

mori s.p.a.

take care of your business

NOTE
NOTE
NOTE

mori s.p.a.
take care of your business