



OIL & GAS PRODUCT RANGE

 ALFAGOMMA

Projected towards continuous improvement and committed to meeting customer needs and expectations in an increasingly complex industrial environment, Alfagomma is serving the oil industry through its network of production sites, branches and assembly centres, spanning 5 continents.

Alfagomma offers an extensive range of hoses, fittings and equipment for the on shore and off shore business.

With cutting edge technology and state of the art R&D, a wide range of solutions are provided for Floating Roof Tank drain applications, Rig Supply, Dock, On Shore, Mooring and OCIMF Off Shore hoses.

Together with a comprehensive range of Industrial and Hydraulic Hose and Fitting, Alfagomma programme includes a complete line of Rotary Drilling, Vibrator, Choke & Kill, Sour Service, Cementing and Slim Hole hoses.

Our quality control during manufacture and testing processes ensures high quality products and total fulfillment to Environmental Standards and Norms.

Alfagomma is an ISO 9001, ISO 14001 Company and our products are supplied with the relevant Quality and Testing Certificates.



ALFAGOMMA INDUSTRIAL - TERAMO:
INDUSTRIAL HOSE & FITTINGS



ALFAGOMMA HYDRAULIC - TERAMO:
HYDRAULIC HOSE & MANIPULATED TUBES



ALFAGOMMA HYDRAULIC - COSENZA:
HYDRAULIC HOSE



ALFAGOMMA HYDRAULIC - COSENZA:
HYDRAULIC FITTINGS & ADAPTERS



ALFAGOMMA MARDEC - JOHORE (MALAYSIA):
HYDRAULIC HOSE



DUNLOP HIFLEX - JOHORE (MALAYSIA):
INDUSTRIAL HOSE



DUNLOP HIFLEX - JOHORE (MALAYSIA):
HYDRAULIC HOSE



ALFAGOMMA - NINGBO (CHINA):
HYDRAULIC FITTINGS & ADAPTERS



ALFAGOMMA DO BRASIL
GUARANÉSIA (BRASIL):
MANIPULATED TUBES AND HOSE ASSEMBLY



ALFAGOMMA AMERICA - BURLINGTON:
MANIPULATED TUBES AND HOSE ASSEMBLY



EKO SISTEMA OLEODINAMICI s.r.l.
CAMBIANO (TORINO):
MANIPULATED TUBES AND ASSEMBLY MIX



TMF - CASTELLO BRIANZA (LECCO):
HYDRAULIC FITTINGS AND COMPONENTS

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SYMBOL

 Internal Diameter

 Outside Diameter

 Maximum Working Pressure

 Maximum Burst Pressure

 Minimum Bend Radius

 Vacuum

 Weight



Electrical resistance along the conductive layers $\leq 10^6 \Omega/\text{length}$



DNV approved



MSHA approved

NOTE

ALFAGOMMA reserves the right to modify specifications without prior notice.

Weights and dimensions are nominal.

Working pressures and vacuum ratings for hose are based at ambient temperature of 20 °C (68 °F)

Pictures shown are for illustration purposes only. Actual hose construction may vary.

DRILLING

- SLIM HOLE ROTARY - FLEXOR RIG™ 4
- ROTARY DRILLING & VIBRATOR 5



SLIM HOLE ROTARY - FLEXOR RIG™

Tube: Oil and biodegradable hydraulic fluid resistant synthetic rubber

Reinforcement: High tensile steel spirals

Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber

Application: Rotary hose, specially designed for portable, work-over and seismograph drilling rigs.

MSHA approved

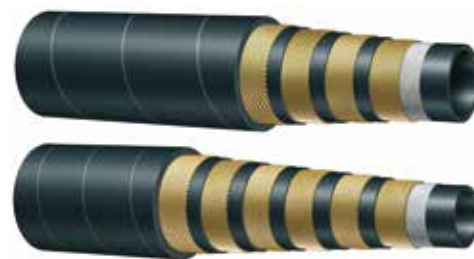
Temperature: -40°C +120°C (-40°F +250°F) wire spiral
Air max T = +70°C (+160°F)

Length: Random up to 1"

61 m from 1 ¼" to 3"

Recommended fitting, page:

Hydraulic fitting-API thread 87



| Constr. | Dash | ↔ | | ↔ | | ⌚ | | ⌚ | | ⌒ | | ⏺ | |
|---------|------|----|-------|------|------|-----|------|-----|--------|-----|-------|------|-------|
| | | mm | in | mm | in | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/ft |
| 4S | -16 | 25 | 1 | 38,7 | 1,52 | 38 | 5500 | 152 | 22000 | 305 | 12,2 | 2,0 | 134 |
| 6S | -20 | 32 | 1 1/4 | 49,8 | 1,96 | 35 | 5000 | 140 | 20000 | 419 | 16,8 | 3,6 | 241 |
| 6S | -24 | 38 | 1 1/2 | 57,3 | 2,26 | 35 | 5000 | 140 | 20000 | 508 | 20,3 | 4,8 | 322 |
| 6S | -32 | 51 | 2 | 70,9 | 2,79 | 35 | 5000 | 140 | 20000 | 635 | 25,4 | 6,6 | 442 |
| 4S | -40 | 63 | 2 1/2 | 79 | 3,11 | 22 | 3200 | 56* | 8120* | 720 | 28,35 | 4,63 | 311 |
| 4S | -48 | 76 | 3 | 92,5 | 3,64 | 22 | 3200 | 56* | 8120* | 840 | 33,07 | 5,40 | 362 |
| 6S | -40 | 63 | 2 1/2 | 82,8 | 3,26 | 35 | 5000 | 86* | 12500* | 800 | 31,50 | 7,56 | 507 |
| 6S | -48 | 76 | 3 | 95,6 | 3,76 | 35 | 5000 | 86* | 12500* | 900 | 35,43 | 7,95 | 533 |

* Safety factor 2,5:1



ROTARY DRILLING & VIBRATOR

**According to API 7K
Grade D and E**

Tube: Oil and drilling mud resistant synthetic rubber

Reinforcement: Multiple layers of spiralled high tensile steel cords

Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber

Application: Rotary drilling, Vibrator, Motion Compensator

Temperature: -20 °C +100 °C (-4 °F +212 °F)

Length: 47,25 m (155 ft) max

Note: Grade C (WP 4000 psi) available on demand



| ↔ | | | ↔ | | Grade | Ⓢ | | Test Pressure | | Ⓢ | | ⤴ | | Ⓢ | |
|------|-----|-------|-------|------|-------|------|------|---------------|-------|-----|-------|------|------|-------|-------|
| Dash | mm | in | mm | in | | Mpa | psi | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/ft |
| -32 | 51 | 2 | 93,6 | 3,69 | D | 35 | 5000 | 70 | 10000 | 86 | 12500 | 900 | 35,4 | 13,06 | 8,76 |
| -40 | 63 | 2 1/2 | 110,7 | 4,36 | D | 35 | 5000 | 70 | 10000 | 86 | 12500 | 900 | 35,4 | 17,36 | 11,65 |
| -48 | 76 | 3 | 126,0 | 4,96 | D | 35 | 5000 | 70 | 10000 | 86 | 12500 | 1200 | 47,2 | 19,52 | 13,10 |
| -56 | 90 | 3 1/2 | 138,7 | 5,46 | D | 35 | 5000 | 70 | 10000 | 86 | 12500 | 1400 | 55,1 | 21,79 | 14,62 |
| -64 | 102 | 4 | 161,0 | 6,34 | D | 35 | 5000 | 70 | 10000 | 86 | 12500 | 1400 | 55,1 | 34,47 | 23,13 |
| -32 | 51 | 2 | 102,0 | 4,02 | E | 52,5 | 7500 | 70 | 10000 | 131 | 18750 | 1200 | 47,2 | 18,59 | 12,47 |
| -40 | 63 | 2 1/2 | 118,0 | 4,65 | E | 52,5 | 7500 | 105 | 15000 | 131 | 18750 | 1200 | 47,2 | 23,10 | 15,50 |
| -48 | 76 | 3 | 133,4 | 5,25 | E | 52,5 | 7500 | 105 | 15000 | 131 | 18750 | 1200 | 47,2 | 26,87 | 18,03 |
| -56 | 90 | 3 1/2 | 146,0 | 5,75 | E | 52,5 | 7500 | 105 | 15000 | 131 | 18750 | 1400 | 55,1 | 30,22 | 20,28 |
| -64 | 102 | 4 | 168,4 | 6,63 | E | 52,5 | 7500 | 105 | 15000 | 131 | 18750 | 1500 | 59,1 | 44,77 | 30,04 |



OIL WELL CEMENTING

- OIL WELL CEMENTING 8
- OIL WELL CEMENTING 10K SUPERTUFF 8
- SUBSEA GROUTING 5K 8



OIL WELL CEMENTING

According to API 7K

Tube: Oil and drilling mud resistant synthetic rubber
Reinforcement: Multiple layers of spiralled high tensile steel cables
Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber
Application: High pressure cement slurry transfer between pump manifold and cementing head
Temperature: -20 °C +100 °C (-4 °F +212 °F)
Length: 47,25 m (155 ft) max.



| ↔ | | | ↔ | | ⊕ | | Test Pressure | | ⊖ | | ⌒ | | ⬮ | |
|------|-----|-------|-------|------|-----|------|---------------|-------|-----|-------|------|------|-------|-------|
| Dash | mm | in | mm | in | Mpa | psi | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/ft |
| -32 | 51 | 2 | 93,6 | 3,69 | 35 | 5000 | 70 | 10000 | 86 | 12500 | 900 | 35,4 | 13,06 | 8,76 |
| -48 | 76 | 3 | 126,0 | 4,96 | 35 | 5000 | 70 | 10000 | 86 | 12500 | 1200 | 47,2 | 19,52 | 13,10 |
| -56 | 90 | 3 1/2 | 138,7 | 5,46 | 35 | 5000 | 70 | 10000 | 86 | 12500 | 1400 | 55,1 | 21,79 | 14,62 |
| -64 | 102 | 4 | 161,0 | 6,34 | 35 | 5000 | 70 | 10000 | 86 | 12500 | 1400 | 55,1 | 34,47 | 23,13 |
| -32 | 51 | 2 | 102,0 | 4,02 | 52 | 7500 | 105 | 15000 | 131 | 18750 | 1200 | 47,2 | 18,59 | 12,47 |
| -48 | 76 | 3 | 135,6 | 5,34 | 52 | 7500 | 105 | 15000 | 131 | 18750 | 1500 | 59,1 | 31,20 | 20,94 |
| -56 | 90 | 3 1/2 | 148,3 | 5,84 | 52 | 7500 | 105 | 15000 | 131 | 18750 | 1600 | 63,0 | 35,00 | 23,49 |
| -64 | 102 | 4 | 171,3 | 6,74 | 52 | 7500 | 105 | 15000 | 131 | 18750 | 1800 | 70,9 | 51,10 | 34,29 |

OIL WELL CEMENTING SUPERTUFF



Tube: Oil and biodegradable hydraulic fluids resistant synthetic rubber
Reinforcement: High tensile steel spirals
Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber
Application: Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications. Specially designed for oil well cementing.
 MSHA approved
Temperature: -40 °C +121 °C (-40 °F +250 °F)
 Air max T = +70 °C (+160 °F)
Length: 61 m (200 ft)



| | | ↔ | | | ↔ | | ⊕ | | ⊖ | | ⌒ | | ⬮ | |
|---------|-----------|------|----|----|----|------|-----|-------|-----|-------|-----|----|------|-------|
| Constr. | Item Code | Dash | mm | in | mm | in | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/ft |
| 4S | | -32 | 51 | 2 | | | 35 | 5000 | 86 | 12500 | | | | |
| 6S | 1000344 | -32 | 51 | 2 | 72 | 2,83 | 70 | 10000 | 155 | 22500 | 600 | 24 | 7,08 | 4,76 |

SUBSEA GROUTING 5K



Tube: Oil and biodegradable hydraulic fluids resistant synthetic rubber
Reinforcement: High tensile steel spirals
Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber
Application: Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications. Specially designed for subsea grouting.
 MSHA approved
Temperature: -40 °C +121 °C (-40 °F +250 °F)
 Air max T = +70 °C (+160 °F)
Length: 61 m (200 ft)



| | | ↔ | | | ↔ | | ⊕ | | ⊖ | | ⌒ | | ⬮ | |
|---------|-----------|------|----|----|------|------|-----|------|-----|-------|-----|------|-------|-------|
| Constr. | Item Code | Dash | mm | in | mm | in | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/ft |
| 6S | 1001534 | -32 | 51 | 2 | 71,1 | 2,80 | 35 | 5000 | 140 | 20000 | 545 | 21,8 | 6,540 | 4,40 |

hose

fittings

Accessories

BLOW OUT PREVENTION

- BOP - FIRESAFE 5000 10



BOP - FIRESAFE 5000

API 16-D Flame resistance

Tube: Oil resistant synthetic rubber

Reinforcement: High tensile steel spirals

Cover: Oil and fire resistant synthetic rubber

Application: High pressure hydraulic lines in blow out prevention systems, where continuous operation in case of fire is required

Temperature: -40 °C +121 °C (-40 °F +250 °F)
air max T = +70 °C (+160 °F)

Length: Random up to 1"
61 m (200 ft) from 1 1/4" to 2"

Recommended fitting, page:

Hydraulic fitting-API thread 87



| Constr. | Dash | ↔ | | ↔ | | ⌚ | | ⌚ | | ⌒ | | ■ | |
|---------|------|----|-------|------|------|-----|------|-----|-------|-----|-------|------|-------|
| | | mm | in | mm | in | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/ft |
| 4S | 4 | 6 | 1/4 | 26,0 | 1,02 | 35 | 5000 | 140 | 20000 | 150 | 5,91 | 0,70 | 0,47 |
| 4S | 6 | 10 | 3/8 | 28,7 | 1,13 | 35 | 5000 | 140 | 20000 | 180 | 7,09 | 0,79 | 0,53 |
| 4S | 8 | 12 | 1/2 | 31,8 | 1,25 | 35 | 5000 | 140 | 20000 | 230 | 9,06 | 1,28 | 0,86 |
| 4S | 12 | 20 | 3/4 | 39,6 | 1,56 | 35 | 5000 | 140 | 20000 | 300 | 11,81 | 1,85 | 1,24 |
| 4S | 16 | 25 | 1 | 47,0 | 1,85 | 35 | 5000 | 140 | 20000 | 340 | 13,39 | 2,69 | 1,80 |
| 4S | 20 | 32 | 1 1/4 | 53,8 | 2,12 | 35 | 5000 | 140 | 20000 | 460 | 18,11 | 3,34 | 2,24 |
| 6S | 24 | 38 | 1 1/2 | 65,8 | 2,59 | 35 | 5000 | 140 | 20000 | 560 | 22,05 | 5,87 | 3,94 |
| 6S | 32 | 51 | 2 | 79,4 | 3,13 | 35 | 5000 | 140 | 20000 | 700 | 27,56 | 7,78 | 5,22 |

OIL MARINE

- **643AA** Crude oil flowline & riser 25 bar (375 psi)..... 12



643AA

Crude oil flowline & riser 25 bar (375 psi)

Tube: Black NBR

Reinforcement: High tensile steel cords

Cover: Black CR - abrasion, ozone, salt water resistant

Use: Fuel and crude oil flowline and riser in extended oilfield test. Excellent end load resistance.

Resistant to sour gas, 5 ppm

Safety factor: 4:1

Temperature: -30 °C +93 °C (-22 °F +200 °F)

Stainless Steel version available on request

Recommended fitting, page:

Combination nipple with pre-crimped ferrule72

Insert with flange PN 16 - ASA 150 75-76



| ↔ | | ↔ | | ⊥ | ⌒ | ⌒ | ⌒ | ⌒ | | |
|-----|------|-----|------|-----|-----|----|------|-----|--------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 76 | 3 | 102 | 4,01 | 25 | 375 | | | 100 | 5,900 | 3,970 |
| 102 | 4 | 128 | 5,00 | 25 | 375 | | | 100 | 6,740 | 0,195 |
| 152 | 6 | 180 | 7,00 | 25 | 375 | | | 100 | 11,300 | 7,590 |

hose

fittings

Accessories



DOCK

- **60MAA** Fuel-oil S&D 10 bar (150 psi) - EN 1765/S10 14
- **60DAA** Fuel-oil S&D 10 bar (150 psi) - EN 1765/S10 14
- **64AAA** Fuel-oil delivery 10 bar (150 psi) - EN 1765/L10 14
- **60NAA** Fuel-oil S&D 15 bar (225 psi) - EN 1765/S15 15
- **60GAA** Fuel-oil S&D 15 bar (225 psi) - EN 1765/S15 15
- **64DAA** Fuel-oil delivery 15 bar (225 psi) - EN 1765/L15 15
- **60JAA** Fuel-oil S&D 15 bar (225 psi) - EN 1765/S15..... 16
- **5N331** Acid-chemical S&D 14 bar (200 psi) - heavy duty - PTFE - BS 5842 arrêté ADR annexe 1 17
- **6N511** Fuel-oil S&D 14 bar (200 psi) - heavy duty - high temperature +100 °C (+212 °F)
BS 3492/BX - BS 5842 arrêté ADR annexe 1 17



60MAA

**Fuel-oil S&D 10 bar (150 psi)
EN 1765/S10**

Tube: Black NBR

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Black CR - abrasion, ozone, sea water and hydrocarbon resistant

Use: Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.
Max 55% aromatic content resistance.

Version suitable for 100% aromatic content or biofuel available on request.

Electrically continuous (discontinuous on request)

Safety factor: 4:1

Temperature: -20 °C +82 °C (-4 °F +180 °F)

Stainless Steel version available on request

Recommended fitting, page:

Combination nipple with pre-crimped ferrule 72

Insert with flange PN 16 - ASA 150 75-76



| ↔ | | ↔ | | ⏱ | | ⤴ | | ⌈ | | ⚖ | |
|-----|------|-----|------|-----|-----|------|-------|----|--------|--------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 76 | 3 | 98 | 3,86 | 10 | 150 | 450 | 18,00 | 85 | 4,960 | 3,328 | |
| 100 | 4 | 126 | 4,96 | 10 | 150 | 600 | 24,00 | 85 | 6,100 | 4,100 | |
| 150 | 6 | 182 | 7,17 | 10 | 150 | 850 | 34,00 | 85 | 12,200 | 8,200 | |
| 200 | 8 | 235 | 9,25 | 10 | 150 | 1100 | 44,00 | 85 | 17,300 | 11,630 | |

60DAA

**Fuel-oil S&D 10 bar (150 psi)
EN 1765/S10**

Tube: Black NBR

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Black CR - abrasion, ozone, sea water and hydrocarbon resistant

Use: Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.
Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request)

Also available:

- 60EAA 100% aromatic content
- 60FAA biofuel

Safety factor: 4:1

Temperature: -20 °C +82 °C (-4 °F +180 °F)

Stainless Steel version available on request

Recommended fitting, page:

Built-in fittings with flange PN 16 - ASA 150 75-76



| ↔ | | ↔ | | ⏱ | | ⤴ | | ⌈ | | ⚖ | |
|-----|------|----|------|-----|-----|------|-------|-----|--------|--------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 100 | 4 | | | 10 | 150 | 500 | 20,00 | 100 | 10,200 | 6,850 | |
| 150 | 6 | | | 10 | 150 | 750 | 30,00 | 100 | 15,900 | 10,690 | |
| 200 | 8 | | | 10 | 150 | 1000 | 40,00 | 100 | 24,300 | 16,330 | |
| 250 | 10 | | | 10 | 150 | 1250 | 50,00 | 100 | 33,900 | 22,780 | |
| 300 | 12 | | | 10 | 150 | 1500 | 60,00 | 100 | 45,800 | 30,780 | |

64AAA

**Fuel-oil delivery 10 bar (150 psi)
EN 1765/L10**

Tube: Black NBR

Reinforcement: High tensile textile cords

Cover: Black CR - abrasion, ozone, sea water and hydrocarbon resistant

Use: Crude oil and liquid petroleum products delivery to/from tankers and bunkering vessels.
Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request)

Also available:

- 64BAA 100% aromatic content
- 64CAA biofuel

Safety factor: 4:1

Temperature: -20 °C +82 °C (-4 °F +180 °F)

Stainless Steel version available on request

Recommended fitting, page:

Built-in fittings with flange PN 16 - ASA 150 75-76



| ↔ | | ↔ | | ⏱ | | ⤴ | | ⌈ | | ⚖ | |
|-----|------|----|------|-----|-----|------|-------|---|--------|--------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 100 | 4 | | | 10 | 150 | 600 | 24,00 | | 6,700 | 4,500 | |
| 150 | 6 | | | 10 | 150 | 900 | 36,00 | | 11,000 | 7,390 | |
| 200 | 8 | | | 10 | 150 | 1200 | 48,00 | | 16,100 | 10,820 | |
| 250 | 10 | | | 10 | 150 | 1500 | 60,00 | | 20,100 | 13,510 | |
| 300 | 12 | | | 10 | 150 | 1800 | 72,00 | | 25,000 | 16,800 | |

60NAA

**Fuel-oil S&D 15 bar (225 psi)
EN 1765/S15**

Tube: Black NBR

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Black CR- abrasion, ozone, sea water and hydrocarbon resistant

Use: Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Version suitable for 100% aromatic content or biofuel available on request.

Electrically continuous (discontinuous on request)

Safety factor: 4:1

Temperature: -20 °C +82 °C (-4 °F +180 °F)

Stainless Steel version available on request

Recommended fitting, page:

Combination nipple with pre-crimped ferrule72

Insert with flange PN 16 - ASA 150..... 75-76



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌘ | ⬛ | |
|-----|------|-----|------|-----|-----|-----|-------|----|--------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 75 | 3 | 100 | 3,94 | 15 | 225 | 375 | 15,00 | 85 | 4,710 | 3,170 |
| 100 | 4 | 126 | 4,96 | 15 | 225 | 500 | 20,00 | 85 | 6,250 | 4,200 |
| 150 | 6 | 184 | 7,24 | 15 | 225 | 750 | 30,00 | 85 | 12,400 | 8,330 |

60GAA

**Fuel-oil S&D 15 bar (225 psi)
EN 1765/S15**

Tube: Black NBR

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Black CR - abrasion, ozone, sea water and hydrocarbon resistant

Use: Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request)

Also available:

- 60HAA 100% aromatic content
- 60IAA biofuel

Safety factor: 4:1

Temperature: -20 °C +82 °C (-4 °F +180 °F)

Stainless Steel version available on request

Recommended fitting, page:

Built-in fittings with flange PN 16 - ASA 150..... 75-76



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌘ | ⬛ | |
|-----|------|----|------|-----|-----|------|-------|-----|--------|--------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 100 | 4 | | | 15 | 225 | 500 | 20,00 | 100 | 11,000 | 7,390 |
| 150 | 6 | | | 15 | 225 | 750 | 30,00 | 100 | 17,100 | 11,490 |
| 200 | 8 | | | 15 | 225 | 1000 | 40,00 | 100 | 26,500 | 17,810 |
| 250 | 10 | | | 15 | 225 | 1250 | 50,00 | 100 | 36,600 | 24,600 |
| 300 | 12 | | | 15 | 225 | 1500 | 60,00 | 100 | 51,400 | 34,540 |

64DAA

**Fuel-oil delivery 15 bar (225 psi)
EN 1765/L15**

Tube: Black NBR

Reinforcement: High tensile textile cords

Cover: Black CR - abrasion, ozone, sea water and hydrocarbon resistant

Use: Crude oil and liquid petroleum products delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request)

Also available:

- 64EAA 100% aromatic content
- 64FAA biofuel

Safety factor: 4:1

Temperature: -20 °C +82 °C (-4 °F +180 °F)

Stainless Steel version available on request

Recommended fitting, page:

Built-in fittings with flange PN 16 - ASA 150..... 75-76



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌘ | ⬛ | |
|-----|------|----|------|-----|-----|------|-------|---|--------|--------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 100 | 4 | | | 15 | 225 | 600 | 24,00 | | 7,500 | 5,040 |
| 150 | 6 | | | 15 | 225 | 900 | 36,00 | | 13,400 | 9,010 |
| 200 | 8 | | | 15 | 225 | 1200 | 48,00 | | 18,100 | 12,160 |
| 250 | 10 | | | 15 | 225 | 1500 | 60,00 | | 24,700 | 16,600 |
| 300 | 12 | | | 15 | 225 | 1800 | 72,00 | | 31,400 | 21,100 |

60JAA

Fuel-oil S&D 15 bar (225 psi)

EN 1765/S15

Tube: Black NBR

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Black CR - abrasion, ozone, sea water and hydrocarbon resistant

Use: Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Version suitable for 100% aromatic content or biofuel available on request.

Electrically continuous (discontinuous on request)

Also available:

- 60KAA 100% aromatic content

Safety factor: 5:1

Temperature: -31 °C +43 °C (-24 °F +200 °F)

Stainless Steel version available on request

Recommended fitting, page:

Built-in fittings with flange PN 16 - ASA 150.....77



| → ⊙ ← | | → ⊙ ← | | ⌚ | | ⤴ | | ⌘ | ⬛ | |
|-------|------|-------|------|-----|-----|------|-------|-----|--------|--------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 100 | 4 | | | 15 | 225 | 400 | 16,00 | 100 | 14,400 | 9,680 |
| 150 | 6 | | | 15 | 225 | 600 | 24,00 | 100 | 21,700 | 14,580 |
| 200 | 8 | | | 15 | 225 | 800 | 31,50 | 100 | 32,000 | 21,510 |
| 250 | 10 | | | 15 | 225 | 1000 | 39,00 | 100 | 45,700 | 30,710 |
| 300 | 12 | | | 15 | 225 | 1200 | 47,00 | 100 | 57,600 | 38,710 |

hose

fittings

Accessories

5N331

**Acid-chemical S&D 14 bar (200 psi) - heavy duty PTFE
BS 5842**

Inner wire: Stainless steel

Tube: PTFE film

Cover: Grey PVC coated fabric

Outer wire: Galvanized steel

Use: Acid, chemical, fuel and solvents suction and delivery. Specially designed for long service life in heavy duty applications requiring resistance to high temperature

Safety factor: 4:1

Temperature: -30 °C +115 °C (-22 °F +239 °F)

EN 13765 arrêté ADR annexe 1 available on request

Recommended fitting, page:

Composite hose fitting 78-81



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌘ | ⌚ | |
|-----|-------|-----|------|-----|-----|-----|-------|----|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 40 | 1 1/2 | 53 | 2,09 | 14 | 200 | 140 | 5,50 | 90 | 1,300 | 0,870 |
| 50 | 2 | 63 | 2,48 | 14 | 200 | 150 | 6,00 | 90 | 1,700 | 1,140 |
| 63* | 2 1/2 | 78 | 3,07 | 14 | 200 | 175 | 7,00 | 90 | 2,300 | 1,540 |
| 65 | 2 5/8 | 78 | 3,07 | 14 | 200 | 175 | 7,00 | 90 | 2,500 | 1,680 |
| 75 | 3 | 90 | 3,54 | 14 | 200 | 250 | 10,00 | 90 | 2,700 | 1,810 |
| 80 | 3 1/8 | 94 | 3,70 | 14 | 200 | 250 | 10,00 | 90 | 3,500 | 2,350 |
| 100 | 4 | 122 | 4,80 | 14 | 200 | 350 | 14,00 | 90 | 6,200 | 4,160 |

* Pitch for UK market

6N511

**Fuel-oil S&D 14 bar (200 psi) - heavy duty high temperature +100 °C (+212 °F)
BS 3492/BX BS 5842**

Inner wire: Galvanised steel

Tube: Polyester film

Cover: Grey PVC with longitudinal yellow stripe coated fabric

Outer wire: Galvanized steel

Use: Fuel and oil suction and delivery. Specially designed for long service life in heavy duty applications requiring resistance to high temperature

Safety factor: 4:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

EN 13765 arrêté ADR annexe 1 available on request

Recommended fitting, page:

Composite hose fitting 78-81



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌘ | ⌚ | |
|-----|------|----|------|------|-----|-----|-------|----|--------|--------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 100 | 4 | | | 14 | 200 | 400 | 15,70 | 90 | 7,400 | 4,970 |
| 150 | 6 | | | 14 | 200 | 550 | 21,60 | 90 | 12,400 | 8,330 |
| 200 | 8 | | | 14 | 200 | 725 | 28,50 | 90 | 21,800 | 14,650 |
| 250 | 10 | | | 10,5 | 150 | 900 | 35,40 | 90 | 27,000 | 18,150 |

RIG SUPPLY

FUEL & LIQUID MUD

- **648AA** Rig supply soft wall, fuel-liquid mud 20 bar (300 psi) 20
- **615AA** Rig supply hard wall, fuel-liquid mud 20 bar (300 psi) 20
- **622AA** Rig supply hard wall, fuel-liquid mud 21



648AA

Rig supply soft wall fuel-liquid mud 20 bar (300 psi)



Tube: black conductive NBR.

Reinforcement: high tensile textile cords - antistatic wire.
Cover: black conductive CR - abrasion, ozone, hydrocarbon and fire resistant.

Application: fuel, oil and liquid mud transfer from supply vessels to offshore platforms. Also suitable for sea water pumping and barite transfer.

Tensile end load resistance:

ID 2" 2.000 kg

ID 3" 4.000 kg

ID 4" 7.000 kg

ID ≥ 5" 10.000 kg

Safety factor: 4:1

Temperature: -30 °C +90 °C (-22 °F +194 °F)

Recommended fitting, page:

NPT thread combination nipple with pre-crimped ferrule72

| ↔ | | ↔ | | ⊕ | ⊖ | ⌒ | | ⌒ | ⌒ | |
|-----|------|-----|------|-----|-----|-----|-------|---|------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 51 | 2 | 67 | 2,64 | 20 | 300 | 300 | 11,81 | | 1,89 | 1,28 |
| 76 | 3 | 94 | 3,7 | 20 | 300 | | | | 2,58 | 1,74 |
| 76 | 3 | 94 | 3,7 | 20 | 300 | 456 | 17,95 | | 2,95 | 1,99 |
| 102 | 4 | 120 | 4,72 | 20 | 300 | 612 | 24,09 | | 3,95 | 2,66 |
| 102 | 4 | 120 | 4,72 | 20 | 300 | | | | 3,53 | 2,38 |
| 127 | 5 | 147 | 5,79 | 15 | 225 | 762 | 30 | | 5,64 | 3,8 |
| 152 | 6 | 176 | 6,93 | 15 | 225 | 912 | 35,91 | | 8,03 | 5,4 |

615AA

Rig supply hard wall fuel-liquid mud 20 bar (300 psi)



Tube: black conductive NBR.

Reinforcement: high tensile textile cords with embedded steel helix wire - antistatic wire.

Cover: black conductive CR - abrasion, ozone, hydrocarbon and fire resistant.

Application: fuel, oil and liquid mud transfer from supply vessels to offshore platforms. Also suitable for sea water pumping and barite transfer.

Also available in self floating version.

Tensile end load resistance:

ID 2" 2.000 kg

ID 3" 4.000 kg

ID 4" 7.000 kg

ID ≥ 5" 10.000 kg

Safety factor: 4:1

Temperature: -30 °C +90 °C (-22 °F +194 °F)

Recommended fitting, page:

NPT thread combination nipple with pre-crimped ferrule72

| ↔ | | ↔ | | ⊕ | ⊖ | ⌒ | | ⌒ | ⌒ | |
|-----|------|-----|------|-----|-----|------|-------|-----|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 51 | 2 | 67 | 2,64 | 20 | 300 | 255 | 10,04 | 100 | 2,23 | 1,5 |
| 76 | 3 | 94 | 3,7 | 20 | 300 | 380 | 14,96 | 90 | 3,8 | 2,56 |
| 102 | 4 | 122 | 4,8 | 20 | 300 | 510 | 20,08 | 90 | 5,48 | 3,69 |
| 127 | 5 | 147 | 5,79 | 10 | 150 | 635 | 25 | 80 | 6,77 | |
| 127 | 5 | 149 | 5,87 | 20 | 300 | 635 | 25 | 90 | 7,76 | 5,22 |
| 152 | 6 | 172 | 6,77 | 10 | 150 | 760 | 29,92 | 80 | 8,06 | |
| 152 | 6 | 176 | 6,93 | 20 | 300 | 760 | 29,92 | 90 | 10,2 | 6,86 |
| 203 | 8 | 237 | 9,33 | 15 | 225 | 1015 | 39,96 | 90 | 19,06 | 12,81 |

622AA

Rig supply hard wall fuel-liquid mud



Tube: black conductive NBR.

Reinforcement: high tensile textile cords with embedded steel helix wire - antistatic wire

Cover: black conductive CR - abrasion, ozone, hydrocarbon and fire resistant.

Application: fuel, oil and liquid mud transfer from supply vessels to offshore platforms. Also suitable for sea water pumping and barite transfer.

Specially designed for reeling applications and weak link couplings use.

Tensile end load resistance:

ID 3" 6.000 kg

ID ≥ 4" 10.000 kg

Safety factor: 4:1

Temperature: -30 °C +90 °C (-22 °F +194 °F)

| ↔ | | ↔ | | ⊕ | ⊖ | ⌒ | | ⌒ | ⌒ | ⌒ |
|-----|------|-----|------|-----|-----|-----|-------|----|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 76 | 3 | 98 | 3,86 | 40 | 600 | 380 | 14,96 | 90 | 4,87 | 3,28 |
| 102 | 4 | 128 | 5,04 | 40 | 600 | 510 | 20,08 | 90 | 7,43 | 5 |
| 127 | 5 | 157 | 6,18 | 35 | 525 | 635 | 25 | 90 | 11,16 | 7,51 |

Recommended fitting, page:

NPT thread combination nipple with pre-crimped ferrule72

Rig supply: for ease of identification, coloured over-ferrules available on demand.



RIG SUPPLY

BARITE & DRY CEMENT

- **748AA** Rig supply soft wall bulk material 20 bar (300 psi) 24
- **715AA** Rig supply hard wall bulk material 20 bar (300 psi) 24



748AA

Rig supply soft wall
bulk material 20 bar (300 psi)



Tube: black conductive NR - abrasion resistant.
Reinforcement: high tensile textile cords - antistatic wire.
Cover: black conductive CR - abrasion, ozone, hydrocarbon and fire resistant.

Application: bulk material, sand, barite and dry cement transfer from supply vessels to offshore platforms.

Tensile end load resistance:

ID 4" 7.000 kg

ID ≥ 5" 10.000 kg

ABS Type approved hose assemblies.

Safety factor: 4:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
|-----|------|-----|------|-----|-----|-----|-------|---|------|-------|
| 102 | 4 | 122 | 4,8 | 20 | 300 | 612 | 24,09 | | 4,47 | 3,01 |
| 127 | 5 | 149 | 5,87 | 20 | 300 | 762 | 30 | | 6,33 | 4,26 |

Recommended fitting, page:

NPT thread combination nipple with pre-crimped ferrule72

715AA

Rig supply hard wall
bulk material 20 bar (300 psi)



Tube: black conductive NR - abrasion resistant.
Reinforcement: high tensile textile cords with embedded steel helix wire - antistatic wire.
Cover: black conductive CR- abrasion, ozone, hydrocarbon and fire resistant.

Application: bulk material, sand, barite and dry cement transfer from supply vessels to offshore platforms.

Also available in self floating version. Reserve buoyancy calculated according to GMPHOM 2009 standard.

Tensile end load resistance:

ID 4" 7.000 kg

ID ≥ 5" 10.000 kg

ABS Type approved hose assemblies.

Safety factor: 4:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
|-----|------|-----|------|-----|-----|-----|-------|----|------|-------|
| 102 | 4 | 124 | 4,88 | 20 | 300 | 510 | 20,08 | 90 | 6,06 | 4,08 |
| 127 | 5 | 151 | 5,94 | 20 | 300 | 635 | 25 | 90 | 8,54 | 5,74 |

Recommended fitting, page:

NPT thread combination nipple with pre-crimped ferrule72

RIG SUPPLY

POTABLE WATER

- **448LI** Rig supply soft wall potable water 20 bar (300 psi) - FDA..... 26
- **415LI** Rig supply hard wall potable water 20 bar (300 psi) - FDA 26



448LI

**Rig supply soft wall
potable water 20 bar (300 psi)
FDA**



Tube: white NR.

Reinforcement: high tensile textile cords.

Cover: orange NBR/PVC - abrasion, ozone and hydrocarbon resistant.

Application: potable water transfer from supply vessels to offshore platforms. Specially designed for reeling applications and weak link couplings use. Sterilize with 5% soda solution.

Tensile end load resistance:

2.000 kg for ID 2"

4.000 kg for ID 3"

7.000 kg for ID 4"

Safety factor: 4:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

| ↔ | | ↔ | | ⌚ | | ⤴ | | ☀️ | | 📦 | |
|-----|------|-----|------|-----|-----|-----|-------|----|------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 51 | 2 | 67 | 2,64 | 20 | 300 | 300 | 11,81 | | 2,47 | 1,66 | |
| 76 | 3 | 94 | 3,7 | 20 | 300 | 456 | 17,95 | | 2,96 | 1,99 | |
| 102 | 4 | 120 | 4,72 | 20 | 300 | | | | 4,25 | 2,86 | |
| 102 | 4 | 120 | 4,72 | 20 | 300 | 612 | 24,09 | | 3,99 | 2,69 | |

Recommended fitting, page:

NPT thread combination nipple with pre-crimped ferrule72

415LI

**Rig supply hard wall
potable water 20 bar (300 psi)
FDA**



Tube: white NR.

Reinforcement: high tensile textile cords with embedded steel helix wire.

Cover: orange NBR/PVC - abrasion, ozone and hydrocarbon resistant.

Application: potable water transfer from supply vessels to offshore platforms. Sterilize with 5% soda solution.

Also available in self floating version.

Tensile end load resistance:

2.000 kg for ID 2"

4.000 kg for ID 3"

7000 kg for ID 4"

Safety factor: 4:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

| ↔ | | ↔ | | ⌚ | | ⤴ | | ☀️ | | 📦 | |
|-----|------|-----|------|-----|-----|-----|-------|-----|------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 51 | 2 | 67 | 2,64 | 20 | 300 | 255 | 10,04 | 100 | 2,23 | 1,5 | |
| 76 | 3 | 92 | 3,62 | 10 | 150 | 304 | 11,97 | 90 | 3,7 | 2,49 | |
| 76 | 3 | 94 | 3,7 | 20 | 300 | 380 | 14,96 | 90 | 3,8 | 2,56 | |
| 102 | 4 | 120 | 4,72 | 10 | 150 | 408 | 16,06 | 90 | 4,88 | 3,28 | |
| 102 | 4 | 122 | 4,8 | 20 | 300 | 510 | 20,08 | 90 | 5,58 | 3,76 | |

Recommended fitting, page:

NPT thread combination nipple with pre-crimped ferrule72

TRACTION RESISTANT

CARGO HOSE

- **641AA** Oil & Mud cargo hose 15 bar (225 psi) end load resistance 5.000 kg 28
- **624AA** Oil & Mud cargo hose 15 bar (225 psi) end load resistance 8.000 kg 28
- **625AA** Cargo hose 15 bar (225 psi) end load resistance 12.000 kg..... 28
- **727AA** Drilling waste & cargo hose 15 bar (225 psi) end load resistance 26.000 kg 29



641AA

Oil & Mud cargo hose
15 bar (225 psi)
end load resistance 5.000 kg



Tube: Black conductive NBR
Reinforcement: High tensile textile fabric - boot straps
Cover: Black conductive NBR/PVC - abrasion, ozone, hydrocarbon and fire resistant
Use: Fuel and oil barite liquid transfer. Particularily suitable for drag chain application where low elongation is required. Also suitable for electrical cables and hydraulic hose protection.
Safety factor: 3:1
Temperature: -30 °C +70 °C (-22 °F +158 °F)

Recommended fitting, page:
 Combination nipple with pre-crimped ferrule72
 Insert with flange PN 16 - ASA 150..... 75-76

| ↔ | | ↔ | | ⏏ | | ⤴ | | ⌋⌋ | | ⚖ | |
|-----|------|-----|------|-----|-----|----|------|----|-------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 102 | 4 | 122 | 4,80 | 15 | 225 | | | 90 | 4,260 | 2,860 | |
| 127 | 5 | 147 | 5,12 | 15 | 225 | | | 90 | 5,090 | 3,420 | |
| 152 | 6 | 172 | 6,77 | 15 | 225 | | | 90 | 6,100 | 4,100 | |

624AA

Oil & Mud cargo hose
15 bar (225 psi)
end load resistance 8.000 kg



Tube: Black conductive NBR
Reinforcement: High tensile textile cords with embedded steel helix wire - boot straps
Cover: Black conductive CR - abrasion, ozone and hydrocarbon resistant
Use: Fuel and oil suction and delivery. Specially designed for liquid mud and barite transfer from vessel to rig supply or from ship to ship
Safety factor: 4:1
Temperature: -30 °C +70 °C (-22 °F +158 °F)

Recommended fitting, page:
 Combination nipple with pre-crimped ferrule72
 Insert with flange PN 16 - ASA 150..... 75-76

| ↔ | | ↔ | | ⏏ | | ⤴ | | ⌋⌋ | | ⚖ | |
|-----|------|-----|------|-----|-----|----|------|----|-------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 76 | 3 | 100 | 9,94 | 15 | 225 | | | 90 | 4,910 | 3,300 | |
| 102 | 4 | 128 | 5,12 | 15 | 225 | | | 90 | 6,400 | 4,300 | |
| 127 | 5 | 153 | 6,02 | 15 | 225 | | | 90 | 8,340 | 5,600 | |

625AA

Oil & Mud cargo hose
15 bar (225 psi)
end load resistance 12.000 kg



Tube: Black conductive NBR
Reinforcement: High tensile textile cords with embedded steel helix wire - boot straps
Cover: Black conductive CR - abrasion, ozone and hydrocarbon resistant
Use: Cargo hose specially designed for oil based muds and abrasive media, used in floating umbilical on oil recovery systems. Also suitable as protection for electrical cables and flexible hydraulic hoses in hose loops (umbilical) applications at the drilling deck on oil rigs.
 Special end load resistance and heavy duty construction
Safety factor: 4:1
Temperature: -30 °C +80 °C (-22 °F +176 °F)

Recommended fitting, page:
 Combination nipple with pre-crimped ferrule72
 Insert with flange PN 16 - ASA 150..... 75-76

| ↔ | | ↔ | | ⏏ | | ⤴ | | ⌋⌋ | | ⚖ | |
|-----|------|-----|------|-----|-----|----|------|----|--------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 102 | 4 | 130 | 5,12 | 15 | 225 | | | 90 | 7,800 | 5,240 | |
| 152 | 6 | 184 | 7,24 | 15 | 225 | | | 80 | 13,300 | 8,940 | |

727AA

**Drilling waste & cargo hose - hard wall
15 bar (225 psi)
end load resistance 26.000 kg**



Tube: Black conductive NR - abrasion resistant
Reinforcement: High tensile textile cords with embedded steel helix wire - boot straps
Cover: Black conductive SBR/NR - abrasion and ozone resistant
Use: Dumpline for drill cuttings containing sand, sea water and abrasive material. Also suitable as cargo hose for barite transfer.
 Specially designed for heavy duty applications, with highest end load resistance.
 Not to be used with oil based mud
Safety factor: 3:1
Temperature: -30 °C +80 °C (-22 °F +176 °F)

Recommended fitting:

Contact our offices for connections.

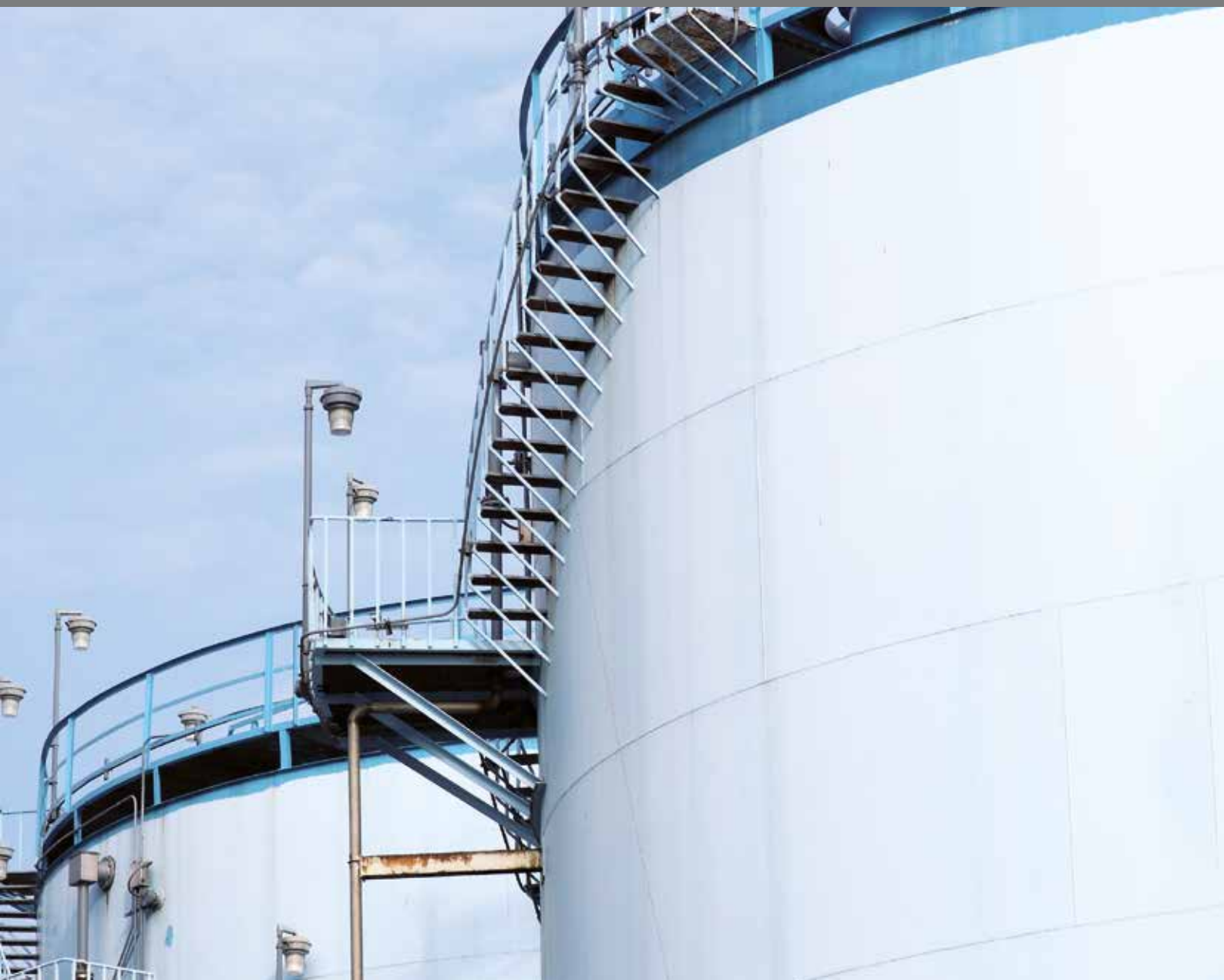
Stainless Steel version available on request

| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
|-----|------|-----|------|-----|-----|----|------|----|--------|--------|--|
| 152 | 6 | 188 | 7,40 | 15 | 225 | | | 80 | 17,770 | 11,945 | |

Rig supply: for ease of identification, coloured over-ferrules available on demand.

FLOATING ROOF DRAIN

- **906AA** Roof drain 10 bar (150 psi)..... 32



906AA

Roof drain 10 bar (150 psi)



Tube: Black conductive NBR

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Black conductive NBR- abrasion, ozone and hydrocarbon resistant

Use: Rain water drainage in floating petrochemical storage tank roofs. 80% max aromatic content resistance

Also available:

- 905AA 100% aromatic

Safety factor: 3:1

Temperature: -20 °C +82 °C (-4 °F +180 °F)

Assembly available with fittings complete with flanges
PN 16 - ASA 150 and lead ballast

| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
|-----|------|-----|------|-----|-----|-----|-------|----|--------|-------|--|
| 76 | 3 | 102 | 4,02 | 10 | 150 | 380 | 15,00 | 90 | 4,780 | 3,210 | |
| 102 | 4 | 128 | 5,04 | 10 | 150 | 510 | 20,00 | 90 | 6,340 | 4,260 | |
| 152 | 6 | 180 | 7,09 | 10 | 150 | 760 | 30,00 | 80 | 10,550 | 7,090 | |

FUEL-OIL & FRACKING

- **655AA** Fuel-oil delivery 16 bar (240 psi) exceeds EN 1761 TRbf 131/2 34
- **619AA** Fuel-oil EN 12115 exceeds EN 1761 TRbf 131/2 34
- **620AA** Fuel-oil S&D 20 bar (300 psi) 34
- **601AA** Oil rigger S&D 10 bar (150 psi)..... 35
- **6C1AA** Oil rigger-fracking S&D 10 bar (150 psi) corrugated 35
- **6D1AA** Fracking delivery 27 bar (400 psi) 36
- **6D2AA** Fracturing delivery 27 bar (400 psi) Supertuff 36



655AA

Fuel-oil delivery 16 bar (240 psi) exceeds EN 1761 TRbf 131/2



Tube: Black conductive NBR

Reinforcement: High tensile textile cords

Cover: Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant

Use: Oil and fuel transfer in the petrochemical industry. Designed for long service life in heavy duty applications.

Safety factor: 3:1

Temperature: -30 °C +70 °C (-22 °F +158 °F)

Recommended fitting, page:

Refer to hydraulic catalogue

Combination nipple with pre-crimped ferrule.....72

Insert with flange PN 16 - ASA 150..... 75-76

| ↔ | | ↔ | | ⊕ | | ⤴ | | ⌘ | ⬮ | |
|-----|-------|-----|------|-----|-----|-----|-------|---|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 19 | 3/4 | 31 | 1,22 | 16 | 240 | 125 | 5,00 | | 0,590 | 0,400 |
| 25 | 1 | 37 | 1,46 | 16 | 240 | 150 | 6,00 | | 0,720 | 0,485 |
| 32 | 1 1/4 | 44 | 1,73 | 16 | 240 | 175 | 7,00 | | 0,900 | 0,605 |
| 38 | 1 1/2 | 51 | 2,01 | 16 | 240 | 225 | 9,00 | | 1,060 | 0,715 |
| 51 | 2 | 67 | 2,64 | 16 | 240 | 275 | 11,00 | | 1,630 | 1,100 |
| 63 | 2 1/2 | 79 | 3,11 | 16 | 240 | 300 | 12,00 | | 1,980 | 1,335 |
| 76 | 3 | 92 | 3,62 | 16 | 240 | 350 | 14,00 | | 2,430 | 1,635 |
| 102 | 4 | 118 | 4,65 | 16 | 240 | 450 | 17,50 | | 3,100 | 2,085 |
| 152 | 6 | 170 | 6,69 | 16 | 240 | 750 | 30,00 | | 5,440 | 3,660 |

619AA

Fuel-oil EN 12115 exceeds EN 1761 TRbF 131/2



Tube: Black conductive NBR

Reinforcement: High tensile textile cords with embedded steel helix wire - antistatic wire

Cover: Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant

Use: Fuel and oil suction and delivery.

Designed for long service life in heavy duty applications

Safety factor: 4:1

Temperature: -30 °C +70 °C (-22 °F +158 °F)

Recommended fitting, page:

Refer to hydraulic catalogue

Combination nipple with pre-crimped ferrule.....72

Insert with flange PN 16 - ASA 150..... 75-76

| ↔ | | ↔ | | ⊕ | | ⤴ | | ⌘ | ⬮ | |
|-----|-------|-----|------|-----|-----|-----|-------|-----|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 19 | 3/4 | 31 | 1,22 | 16 | 240 | 95 | 3,75 | 100 | 0,690 | 0,460 |
| 25 | 1 | 37 | 1,46 | 16 | 240 | 150 | 6,00 | 100 | 0,840 | 0,560 |
| 32 | 1 1/4 | 44 | 1,73 | 16 | 240 | 175 | 7,00 | 100 | 1,030 | 0,690 |
| 38 | 1 1/2 | 51 | 2,01 | 16 | 240 | 225 | 9,00 | 100 | 1,180 | 0,790 |
| 50 | 2 | 66 | 2,60 | 16 | 240 | 275 | 11,00 | 100 | 1,760 | 1,180 |
| 51 | 2 | 67 | 2,64 | 16 | 240 | 275 | 11,00 | 100 | 1,790 | 1,200 |
| 63 | 2 1/2 | 79 | 3,11 | 16 | 240 | 300 | 12,00 | 90 | 2,330 | 1,570 |
| 75 | 3 | 91 | 3,58 | 16 | 240 | 350 | 14,00 | 90 | 2,790 | 1,880 |
| 76 | 3 | 92 | 3,62 | 16 | 240 | 350 | 14,00 | 90 | 2,820 | 1,900 |
| 100 | 4 | 116 | 4,57 | 16 | 240 | 450 | 17,50 | 90 | 3,760 | 2,530 |
| 102 | 4 | 118 | 4,65 | 16 | 240 | 450 | 17,50 | 90 | 3,820 | 2,570 |

620AA

Fuel-oil S&D 20 bar (300 psi)



Tube: Black conductive NBR

Reinforcement: High tensile textile cords with embedded steel helix wire - antistatic wire

Cover: Black CR - abrasion, ozone and hydrocarbon resistant

Use: Fuel and oil suction and delivery.

Designed for long service life in heavy duty applications

Safety factor: 3:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

Recommended fitting, page:

Refer to hydraulic catalogue

Combination nipple with pre-crimped ferrule.....72

Insert with flange PN 16 - ASA 150..... 75-76

| ↔ | | ↔ | | ⊕ | | ⤴ | | ⌘ | ⬮ | |
|-----|-------|-----|------|-----|-----|-----|-------|-----|--------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 51 | 2 | 63 | 2,48 | 20 | 300 | 204 | 8,00 | 100 | 1,640 | 1,105 |
| 63 | 2 1/2 | 77 | 3,03 | 20 | 300 | 252 | 10,00 | 90 | 2,160 | 1,455 |
| 76 | 3 | 90 | 3,54 | 20 | 300 | 304 | 12,00 | 90 | 2,640 | 1,775 |
| 102 | 4 | 116 | 4,57 | 20 | 300 | 408 | 16,00 | 90 | 3,610 | 2,430 |
| 127 | 5 | 145 | 5,71 | 20 | 300 | 508 | 20,00 | 80 | 6,080 | 4,090 |
| 152 | 6 | 170 | 6,69 | 20 | 300 | 608 | 24,00 | 80 | 8,320 | 5,595 |
| 203 | 8 | 225 | 8,86 | 20 | 300 | 812 | 32,00 | 70 | 13,740 | 9,235 |

601AA

Oil rigger-fracking S&D 10 bar (150 psi)

Tube: Black NBR/PVC

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Black SBR - abrasion and ozone resistant

Use: Crude oil mud in oilfield vacuum tank service. Extensively used in fracking operations.

Safety factor: <= 102 mm 3:1 152 mm 2,5:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

Recommended fitting, page:

Combination nipple with pre-crimped ferrule.....72

Insert with flange PN 16 - ASA 150..... 75-76



| ↔ | | ↔ | | ⊕ | ⊖ | ⌒ | | ⌒ | ⌒ | ⌒ |
|-----|------|-----|------|-----|-----|-----|-------|-----|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 51 | 2 | 61 | 2,40 | 10 | 150 | 255 | 10,00 | 100 | 1,380 | 0,930 |
| 76 | 3 | 88 | 3,46 | 10 | 150 | 380 | 15,00 | 90 | 2,570 | 1,730 |
| 102 | 4 | 116 | 4,57 | 10 | 150 | 510 | 20,00 | 90 | 3,560 | 2,395 |
| 152 | 6 | 168 | 6,61 | 10 | 150 | 760 | 30,00 | 80 | 6,820 | 4,585 |

6C1AA

Oil rigger-fracking S&D 10 bar (150 psi) corrugated

Tube: Black NBR/PVC

Reinforcement: High tensile textile cords with embedded steel helix wire. Light weight and flexible construction

Cover: Black SBR - abrasion and ozone resistant

Use: Oilfield vacuum tank service for crude oil mud handling

Safety factor: 3:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)



| ↔ | | ↔ | | ⊕ | ⊖ | ⌒ | | ⌒ | ⌒ | ⌒ |
|-----|------|----|------|-----|-----|-----|-------|-----|--------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 51 | 2 | | | 10 | 150 | 153 | 6,02 | 100 | 1,290 | 0,866 |
| 76 | 3 | | | 10 | 150 | 280 | 11,02 | 90 | 2,400 | 1,610 |
| 102 | 4 | | | 10 | 150 | 306 | 12,05 | 90 | 3,560 | 2,389 |
| 152 | 6 | | | 10 | 150 | 608 | 23,94 | 90 | 6,620 | 4,442 |
| 203 | 8 | | | 10 | 150 | 812 | 31,97 | 90 | 11,200 | 7,515 |

6D1AA

Fracking delivery 27 bar (400 psi)

Tube: Black synthetic elastomer

Reinforcement: High tensile textile cords

Cover: Black synthetic elastomer - abrasion, oil and ozone resistant

Use: Fracking fluids, liquid mud and crude oil delivery in heavy duty oilfield and gas exploration service.

Safety factor: 4:1

Temperature: -30°C +80°C (-22°F +176°F)

Recommended fitting, page:

Combination nipple with pre-crimped ferrule.....72

Hammer lug union 85-86



| ↔ | | ↔ | | Ⓜ | | ⤵ | | Ⓜ | | Ⓜ | |
|-----|------|-----|------|-----|-----|----|------|---|-------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 76 | 3 | 94 | 3,70 | 27 | 400 | | | | 3,070 | 2,06 | |
| 102 | 4 | 120 | 4,72 | 27 | 400 | | | | 4,320 | 2,90 | |

6D2AA

Fracturing delivery 27 bar (400 psi)

Supertuff

Tube: Black synthetic elastomer

Reinforcement: High tensile textile cords

Cover: Black supertuff cover - abrasion, oil and ozone resistant

Use: fracking fluids, liquid mud and crude oil delivery in heavy duty oilfield and gas exploration service. special "supertuff" cover for excellent abrasion resistance.

Safety factor: 4:1

Temperature: -30°C +80°C (-22°F +176°F)

Recommended fitting, page:

Combination nipple with pre-crimped ferrule.....72

Hammer lug union 85-86



| ↔ | | ↔ | | Ⓜ | | ⤵ | | Ⓜ | | Ⓜ | |
|-----|------|-----|------|-----|-----|----|------|---|-------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 102 | 4 | 120 | 4,72 | 27 | 400 | | | | 4,360 | 2,90 | |



STEAM

- **340AA** Steam 18 bar (270 psi) steel braided 38
- **340AH** Steam 18 bar (270 psi) steel braided 38
- **344AH** Steam 18 bar (270 psi) steel braided EN ISO 6134/2A..... 38
- **341AA** Steam 18 bar (270 psi) - CIIR steel braided 39
- **341AH** Steam 18 bar (270 psi) - CIIR steel braided 39
- **345AH** Steam 18 bar (270 psi) - CIIR steel braided EN ISO 6134/2A 39



340AA

Steam 18 bar (270 psi) steel braided

Tube: Black conductive EPDM

Reinforcement: High tensile steel wire braids

Cover: Black conductive EPDM - heat, abrasion and ozone resistant - pin pricked

Use: Saturated and superheated steam

Safety factor: 10:1

Temperature: -40 °C +210 °C (-40 °F +410 °F)
intermittent to 232 °C (450 °F)

Recommended fitting, page:

Refer to Alfacramp-One Piece catalogue

Ground joint seal 64-65



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌋ | | ⬛ | |
|----|------|----|------|-----|-----|-----|-------|---|-------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 13 | 1/2 | 23 | 0,91 | 18 | 270 | 130 | 5,00 | | 0,410 | 0,280 | |
| 19 | 3/4 | 31 | 1,22 | 18 | 270 | 190 | 7,50 | | 0,760 | 0,515 | |
| 25 | 1 | 38 | 1,50 | 18 | 270 | 250 | 10,00 | | 0,890 | 0,600 | |

340AH

Steam 18 bar (270 psi) steel braided

Tube: Black conductive EPDM

Reinforcement: High tensile steel wire braids

Cover: Red EPDM - heat, abrasion and ozone resistant - pin pricked

Use: Saturated and superheated steam

Safety factor: 10:1

Temperature: -40 °C +210 °C (-40 °F +410 °F)
intermittent to 232 °C (450 °F)

Recommended fitting, page:

Refer to Alfacramp-One Piece catalogue

Ground joint seal 64-65



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌋ | | ⬛ | |
|----|-------|----|------|-----|-----|-----|-------|---|-------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 13 | 1/2 | 23 | 0,98 | 18 | 270 | 130 | 5,00 | | 0,420 | 0,285 | |
| 16 | 5/8 | 26 | 1,02 | 18 | 270 | 160 | 6,50 | | 0,460 | 0,309 | |
| 19 | 3/4 | 31 | 1,26 | 18 | 270 | 190 | 7,50 | | 0,770 | 0,520 | |
| 25 | 1 | 38 | 1,50 | 18 | 270 | 250 | 10,00 | | 0,900 | 0,605 | |
| 32 | 1 1/4 | 46 | 1,81 | 18 | 270 | 320 | 12,50 | | 1,270 | 0,855 | |
| 38 | 1 1/2 | 52 | 2,05 | 18 | 270 | 380 | 15,00 | | 1,370 | 0,925 | |
| 51 | 2 | 67 | 2,64 | 18 | 270 | 510 | 20,00 | | 2,050 | 1,380 | |
| 63 | 2 1/2 | 81 | 3,19 | 18 | 270 | 630 | 25,00 | | 2,960 | 1,986 | |
| 76 | 3 | 94 | 3,70 | 18 | 270 | 760 | 30,00 | | 3,720 | 2,496 | |

344AH

Steam 18 bar (270 psi) steel braided EN ISO 6134/2A

Tube: Black conductive EPDM

Reinforcement: High tensile steel wire braids

Cover: Red EPDM - heat, abrasion and ozone resistant - pin pricked

Use: Saturated and superheated steam

Safety factor: 10:1

Temperature: -40 °C +210 °C (-40 °F +410 °F)
intermittent to 232 °C (450 °F)

Recommended fitting, page:

Ground joint seal 64-65



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌋ | | ⬛ | |
|----|-------|----|------|-----|-----|-----|-------|---|-------|-------|--|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft | |
| 13 | 1/2 | 25 | 0,98 | 18 | 270 | 130 | 5,00 | | 0,470 | 0,320 | |
| 19 | 3/4 | 33 | 1,30 | 18 | 270 | 190 | 7,50 | | 0,870 | 0,585 | |
| 25 | 1 | 40 | 1,57 | 18 | 270 | 250 | 10,00 | | 0,990 | 0,670 | |
| 32 | 1 1/4 | 48 | 1,89 | 18 | 270 | 320 | 12,50 | | 1,470 | 0,990 | |
| 38 | 1 1/2 | 54 | 2,13 | 18 | 270 | 380 | 15,00 | | 1,600 | 1,080 | |
| 51 | 2 | 69 | 2,72 | 18 | 270 | 510 | 20,00 | | 2,290 | 1,540 | |

341AA

Steam 18 bar (270 psi) - CIIR steel braided

Tube: Black conductive chlorobutyl
Reinforcement: High tensile steel wire braids
Cover: Black conductive EPDM - heat, abrasion and ozone resistant - pin pricked
Use: Saturated and superheated steam
Safety factor: 10:1
Temperature: -40 °C +210 °C (-40 °F +410 °F) intermittent to 232 °C (450 °F)

Recommended fitting, page:
 Ground joint seal 64-65



| ↔ | | ↔ | | ⏏ | ⤴ | | ⌋⌋ | ⏚ | | |
|----|-------|----|------|-----|-----|-----|-------|---|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 19 | 3/4 | 31 | 1,22 | 18 | 270 | 190 | 7,50 | | 0,780 | 0,525 |
| 25 | 1 | 38 | 1,50 | 18 | 270 | 250 | 10,00 | | 0,920 | 0,620 |
| 32 | 1 1/4 | 46 | 1,81 | 18 | 270 | 320 | 12,50 | | 1,320 | 0,890 |
| 38 | 1 1/2 | 52 | 2,05 | 18 | 270 | 380 | 15,00 | | 1,430 | 0,965 |
| 51 | 2 | 67 | 2,64 | 18 | 270 | 510 | 20,00 | | 2,150 | 1,445 |

341AH

Steam 18 bar (270 psi) - CIIR steel braided

Tube: Black conductive chlorobutyl
Reinforcement: High tensile steel wire braids
Cover: Red EPDM - heat, abrasion and ozone resistant - pin pricked
Use: Saturated and superheated steam
Safety factor: 10:1
Temperature: -40 °C +210 °C (-40 °F +410 °F) intermittent to 232 °C (450 °F)

Recommended fitting, page:
 Ground joint seal 64-65



| ↔ | | ↔ | | ⏏ | ⤴ | | ⌋⌋ | ⏚ | | |
|----|-------|----|------|-----|-----|-----|-------|---|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 19 | 3/4 | 31 | 1,22 | 18 | 270 | 190 | 7,50 | | 0,790 | 0,535 |
| 25 | 1 | 38 | 1,50 | 18 | 270 | 250 | 10,00 | | 0,930 | 0,625 |
| 32 | 1 1/4 | 46 | 1,81 | 18 | 270 | 320 | 12,50 | | 1,340 | 0,905 |
| 38 | 1 1/2 | 52 | 2,05 | 18 | 270 | 380 | 15,00 | | 1,460 | 0,985 |
| 51 | 2 | 67 | 2,64 | 18 | 270 | 510 | 20,00 | | 2,130 | 1,435 |

345AH

Steam 18 bar (270 psi) - CIIR steel braided EN ISO 6134/2A

Tube: Black conductive chlorobutyl
Reinforcement: High tensile steel wire braids
Cover: Red EPDM - heat, abrasion and ozone resistant - pin pricked
Use: Saturated and superheated steam
Safety factor: 10:1
Temperature: -40 °C +210 °C (-40 °F +410 °F) intermittent to 232 °C (450 °F)

Recommended fitting, page:
 Ground joint seal 64-65



| ↔ | | ↔ | | ⏏ | ⤴ | | ⌋⌋ | ⏚ | | |
|----|------|----|------|-----|-----|-----|-------|---|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 13 | 1/2 | 25 | 0,98 | 18 | 270 | 130 | 5,00 | | 0,490 | 0,330 |
| 19 | 3/4 | 33 | 1,30 | 18 | 270 | 190 | 7,50 | | 0,890 | 0,600 |
| 25 | 1 | 40 | 1,57 | 18 | 270 | 250 | 10,00 | | 1,050 | 0,710 |
| 51 | 2 | 69 | 2,72 | 18 | 270 | 510 | 20,00 | | 2,300 | 1,150 |

ACID, CHEMICAL & MULTIPURPOSE

- **529AA** Acid-chemical S&D 16 bar (232 psi) – UHMWPE EN 12115..... 42
- **509OE** Acid-chemical S&D 16 bar (240 psi) – UHMWPE FDA 42
- **519OE** Acid-chemical S&D 16 bar (240 psi) – UHMWPE FDA 42
- **953AE** General purpose 20 bar (300 psi) – EPDM..... 43
- **954AH** Multipurpose 20 bar (300 psi) - non conductive..... 43
- **15NAK** Nitrogen 20 bar (300 psi) - heavy duty..... 43



529AA

Acid-chemical S&D 16 bar (240 psi) - UHMWPE EN 12115



Tube: Black conductive UHMWPE (Ultra High Molecular Weight Polyethylene)

Reinforcement: High tensile textile cords with embedded steel helix wire - antistatic wire

Cover: Black conductive EPDM - abrasion, ozone and fire resistant

Use: Acid and chemical suction and delivery.

Suitable for 98% of existing chemicals

Safety factor: 4:1

Temperature: -30 °C +100 °C (-22 °F +212 °F)

Recommended fitting, page:

Refer to hydraulic catalogue

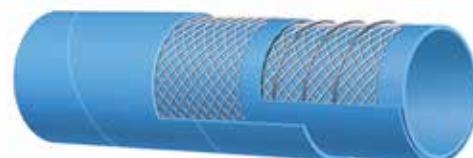
Insert with flange PN 16 - ASA 150..... 75-76

Stainless Steel version available on request

| ↔ | | ↔ | | ⊥ | ⌒ | ⌒ | ⌒ | ⌒ | ⌒ | |
|-----|-------|-----|------|-----|-----|-----|-------|----|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 19 | 3/4 | 31 | 1,22 | 16 | 240 | 188 | 7,50 | 90 | 0,680 | 0,460 |
| 25 | 1 | 37 | 1,46 | 16 | 240 | 225 | 9,00 | 90 | 0,830 | 0,560 |
| 32 | 1 1/4 | 44 | 1,73 | 16 | 240 | 263 | 10,25 | 90 | 1,010 | 0,680 |
| 38 | 1 1/2 | 51 | 2,01 | 16 | 240 | 338 | 13,25 | 90 | 1,160 | 0,780 |
| 50 | 2 | 66 | 2,60 | 16 | 240 | 413 | 16,25 | 90 | 1,820 | 1,225 |
| 51 | 2 | 67 | 2,64 | 16 | 240 | 413 | 16,25 | 90 | 1,850 | 1,245 |
| 75 | 3 | 91 | 3,58 | 16 | 240 | 525 | 20,75 | 80 | 2,880 | 1,940 |
| 76 | 3 | 92 | 3,62 | 16 | 240 | 525 | 20,75 | 80 | 2,910 | 1,960 |
| 100 | 4 | 116 | 4,57 | 16 | 240 | 675 | 26,50 | 80 | 3,870 | 2,605 |
| 102 | 4 | 118 | 4,65 | 16 | 240 | 675 | 26,50 | 80 | 3,930 | 2,645 |

5090E

Acid-chemical S&D 16 bar (240 psi) - UHMWPE FDA



Tube: Transparent UHMWPE (Ultra High Molecular Weight Polyethylene)

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Blue EPDM - abrasion and ozone resistant

Use: Acid and chemical suction and delivery.

Suitable for 98% of existing chemicals.

Safety factor: 3:1

Temperature: -20 °C +65 °C (-4 °F +150 °F)

Recommended fitting, page:

Refer to hydraulic catalogue

Insert with flange PN 16 - ASA 150..... 75-76

Stainless Steel version available on request

| ↔ | | ↔ | | ⊥ | ⌒ | ⌒ | ⌒ | ⌒ | ⌒ | |
|-----|--------|-----|------|-----|-----|-----|-------|----|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 19 | 3/4 | 31 | 1,22 | 16 | 240 | 188 | 7,50 | 90 | 0,600 | 0,405 |
| 25 | 1 | 37 | 1,46 | 16 | 240 | 225 | 9,00 | 90 | 0,730 | 0,495 |
| 32 | 1 1/4 | 44 | 1,73 | 16 | 240 | 263 | 10,25 | 90 | 0,880 | 0,595 |
| 38 | 1 1/2 | 50 | 1,97 | 16 | 240 | 338 | 13,25 | 90 | 1,010 | 0,680 |
| 40 | 1 9/16 | 52 | 2,05 | 16 | 240 | 338 | 13,25 | 90 | 1,060 | 0,715 |
| 51 | 2 | 63 | 2,48 | 16 | 240 | 413 | 16,25 | 90 | 1,340 | 0,905 |
| 63 | 2 1/2 | 77 | 3,03 | 16 | 240 | 450 | 17,50 | 90 | 2,090 | 1,405 |
| 76 | 3 | 92 | 3,62 | 16 | 240 | 525 | 20,75 | 80 | 2,840 | 1,910 |
| 102 | 4 | 118 | 4,65 | 16 | 240 | 675 | 26,50 | 80 | 3,870 | 2,605 |

5190E

Acid-chemical S&D 16 bar (240 psi) - UHMWPE corrugated - FDA



Tube: Transparent UHMWPE (Ultra High Molecular Weight Polyethylene)

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Blue EPDM - abrasion and ozone resistant

Use: Acid and chemical suction and delivery.

Suitable for 98% of existing chemicals.

Special construction for maximum flexibility

Safety factor: 3:1

Temperature: -30 °C +100 °C (-22 °F +212 °F)

| ↔ | | ↔ | | ⊥ | ⌒ | ⌒ | ⌒ | ⌒ | ⌒ | |
|-----|------|----|------|-----|-----|-----|-------|---|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 51 | 2 | | | 16 | 240 | 153 | 6,00 | | 1,390 | 0,935 |
| 76 | 3 | | | 16 | 240 | 228 | 9,00 | | 2,500 | 1,685 |
| 102 | 4 | | | 16 | 240 | 306 | 12,00 | | 4,090 | 2,750 |

953AE

General purpose 20 bar (300 psi) - EPDM

Tube: Black EPDM

Reinforcement: High tensile textile cords

Cover: Blue EPDM - abrasion and ozone resistant

Use: Air, water and mild chemicals delivery

Safety factor: 4:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

Recommended fitting, page:

Refer to hydraulic catalogue

Combination nipple with pre-crimped ferrule.....72



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌋ | ⌚ | |
|----|-------|----|------|-----|-----|----|------|---|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 13 | 1/2 | 23 | 0,91 | 20 | 300 | | | | 0,350 | 0,235 |
| 19 | 3/4 | 31 | 1,22 | 20 | 300 | | | | 0,580 | 0,390 |
| 25 | 1 | 37 | 1,46 | 20 | 300 | | | | 0,730 | 0,495 |
| 38 | 1 1/2 | 52 | 2,05 | 20 | 300 | | | | 1,070 | 0,720 |
| 51 | 2 | 67 | 2,64 | 20 | 300 | | | | 1,880 | 1,265 |
| 76 | 3 | 94 | 3,70 | 20 | 300 | | | | 2,800 | 1,885 |

954AH

Multipurpose 20 bar (300 psi) non conductive

Tube: Black non conductive NBR

Reinforcement: High tensile textile cords

Cover: Red NBR/PVC - abrasion, ozone and hydrocarbon resistant

Use: Premium quality compressed air, water, fuel and oil delivery in general industrial applications

Safety factor: 3:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

Recommended fitting, page:

Refer to hydraulic catalogue



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌋ | ⌚ | |
|----|-------|----|------|-----|-----|----|------|---|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 32 | 1 1/4 | 44 | 1,73 | 20 | 300 | | | | 0,990 | 0,670 |
| 38 | 1 1/2 | 50 | 1,97 | 20 | 300 | | | | 1,150 | 0,775 |
| 51 | 2 | 65 | 2,56 | 20 | 300 | | | | 1,510 | 1,015 |

15NAK

Nitrogen 20 bar (300 psi) - heavy duty

Tube: Black SBR/NBR - oil mist resistant

Reinforcement: High tensile textile cords

Cover: Yellow SBR - abrasion and ozone resistant. Pin-pricked

Use: Specially designed for delivery of nitrogen and inert gases in heavy duty applications

Safety factor: <= 51 mm 3:1 >=63 mm 2,5:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

Recommended fitting, page:

Refer to hydraulic catalogue - NPTF Male



| ↔ | | ↔ | | ⌚ | | ⤴ | | ⌋ | ⌚ | |
|----|-------|----|------|-----|-----|----|------|---|-------|-------|
| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
| 19 | 3/4 | 29 | 1,14 | 20 | 300 | | | | 0,560 | 0,380 |
| 25 | 1 | 35 | 1,38 | 20 | 300 | | | | 0,700 | 0,475 |
| 32 | 1 1/4 | 44 | 1,73 | 20 | 300 | | | | 0,890 | 0,600 |
| 38 | 1 1/2 | 50 | 1,97 | 20 | 300 | | | | 1,040 | 0,700 |

UMBILICAL

• UMBILICAL.....46



UMBILICAL

Custom-made bundle of hoses and/or electrical cables

Applications:

- Subsea diving
- Oil well intervention
- Land control BOP

Cover: Polyurethane or PVC



SEISMIC

- **250AK** Seismic 5 bar (75 psi)..... 48
- **25SAH** Seismic extra 10 bar (150 psi) 48
- **OFF SHORE - ROV OPERATION** 350 bar (5000 psi) 49
- **R8 MARINE** 140 to 420 bar (2000 to 6000 psi) 49



250AK

Seismic 5 bar (75 psi)

Tube: Black EPDM

Reinforcement: High tensile textile cords

Cover: Yellow EPDM with silver stripes - abrasion and ozone resistant

Use: Flotation buoy in seismic monitoring operations

Safety factor: 3:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)



| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
|-----|------|-----|-------|-----|-----|----|------|---|--------|--------|
| 305 | 12 | 317 | 12,50 | 5 | 75 | | | | 7,810 | 5,250 |
| 457 | 18 | 477 | 19,00 | 5 | 75 | | | | 16,815 | 11,283 |

25SAH

Seismic extra 10 bar (150 psi)

Tube: Black EPDM

Reinforcement: High tensile textile cords

Cover: Red EPDM - abrasion and sea-water resistant

Use: Cable protection in seismic operations

Safety factor: 3:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)



| mm | inch | mm | inch | bar | psi | mm | inch | % | kg/m | lb/ft |
|-----|------|-----|------|-----|-----|----|------|---|--------|-------|
| 102 | | 136 | 5,35 | 10 | 150 | | | | 6,750 | 4,540 |
| 127 | | 161 | 6,34 | 10 | 150 | | | | 8,390 | 5,640 |
| 152 | | 188 | 7,40 | 10 | 150 | | | | 11,240 | 7,555 |

OFF SHORE - ROV OPERATION

**Marine high pressure hydraulic
350 bar (5000 psi)**

Tube: Oil and biodegradable hydraulic fluid resistant polyamide 11 methanol washed

Reinforcement: High tensile aramid reinforcement

Cover: Oil, water and ozone resistant polyurethane, non-pin-pricked

Use: Marine and off-shore equipment, ROVs (remotely operated vehicles), BOP valves. Suitable for off-shore seismic monitoring operations.

Manufactured according to API 17E / ISO 13628-5

Safety factor: 4:1

Temperature: -40 °C to +100 °C (-40 °F to +212 °F) limited to +70 °C (+158 °F) for air and water based fluids

Recommended fittings:

AISI 316 SS: NPTF male, JIC female and male



| ↔ | | | ↔ | | ⓘ | | Ⓜ | | ⤴ | | Ⓜ | |
|------|------|------|------|-------|------|------|-------|-------|-----|------|-------|-------|
| Dash | mm | in | mm | in | MPa | psi | MPa | psi | mm | in | kg/m | lb/ft |
| -3 | 5 | 3/16 | 9,6 | 0,378 | 35,0 | 5000 | 140,0 | 20000 | 30 | 1,18 | 0,060 | 0,045 |
| -4 | 6,5 | 1/4 | 12,1 | 0,476 | 35,0 | 5000 | 140,0 | 20000 | 50 | 1,97 | 0,090 | 0,065 |
| -6 | 9,7 | 3/8 | 17,1 | 0,673 | 35,0 | 5000 | 140,0 | 20000 | 60 | 2,36 | 0,170 | 0,115 |
| -8 | 13 | 1/2 | 21,9 | 0,862 | 35,0 | 5000 | 140,0 | 20000 | 80 | 3,15 | 0,250 | 0,170 |
| -12 | 19,5 | 3/4 | 29,6 | 1,165 | 35,0 | 5000 | 140,0 | 20000 | 150 | 5,91 | 0,400 | 0,270 |
| -16 | 25,9 | 1 | 38,9 | 1,531 | 35,0 | 5000 | 140,0 | 20000 | 200 | 7,87 | 0,630 | 0,425 |

Also available in the 3000 psi version

R8 MARINE

**Marine high pressure hydraulic
from 140 to 420 bar (2000 to 6000 psi)**

Tube: Oil and biodegradable hydraulic fluid resistant polyester

Reinforcement: High tensile aramid reinforcement

Cover: Oil, water and ozone resistant polyurethane, pin-pricked

Use: Marine and off-shore equipment, cranes, marine, transport systems. Off-shore seismic monitoring operations. Also recommended for general on-shore equipment, in high humidity environment. Meets or exceeds SAE 100R8

Safety factor: 4:1

Temperature: -40 °C to +100 °C (-40 °F to +212 °F) limited to +70 °C (+158 °F) for air and water based fluids

Recommended fittings:

AISI 316 SS: NPTF male, JIC female and male



| ↔ | | | ↔ | | ⓘ | | Ⓜ | | ⤴ | | Ⓜ | |
|------|------|------|------|-------|------|------|-------|-------|-----|------|-------|-------|
| Dash | mm | in | mm | in | MPa | psi | MPa | psi | mm | in | kg/m | lb/ft |
| -3 | 5 | 3/16 | 8,9 | 0,35 | 35,0 | 5000 | 140,0 | 20000 | 30 | 1,18 | 0,050 | 0,035 |
| -4 | 6,5 | 1/4 | 11,5 | 0,453 | 35,0 | 5000 | 140,0 | 20000 | 50 | 1,97 | 0,080 | 0,055 |
| -5 | 8,1 | 5/16 | 13,4 | 0,528 | 30,0 | 4300 | 120,0 | 17200 | 55 | 2,17 | 0,105 | 0,075 |
| -6 | 9,7 | 3/8 | 15,5 | 0,61 | 28,0 | 4000 | 112,0 | 16000 | 60 | 2,36 | 0,130 | 0,090 |
| -8 | 13 | 1/2 | 19,9 | 0,783 | 24,5 | 3500 | 98,0 | 14000 | 80 | 3,15 | 0,195 | 0,135 |
| -10 | 16,3 | 5/8 | 23,4 | 0,921 | 20,0 | 2900 | 80,0 | 11600 | 125 | 4,92 | 0,245 | 0,165 |
| -12 | 19,5 | 3/4 | 26,9 | 1,059 | 16,5 | 2300 | 66,0 | 9200 | 150 | 5,91 | 0,310 | 0,210 |
| -16 | 25,9 | 1 | 34,2 | 1,346 | 14,0 | 2000 | 56,0 | 8000 | 200 | 7,87 | 0,425 | 0,290 |

WATERBLAST

- WATERBLAST WB10..... 52
- WATERBLAST WB15..... 52
- WATERBLAST WB20..... 52



WATERBLAST

Tube: Oil, biodegradable hydraulic fluid and water resistant synthetic rubber

Reinforcement: High tensile steel spirals

Cover: Oil, water and ozone resistant synthetic rubber

Application: High pressure water jetting

Temperature: -10°C +70°C (+14 °F +158 °F)

Safety Factor: 2.5:1



Recommended fitting, page:

Waterblast Fitting84

WATERBLAST WB10

| ↔ | | | ↔ | | ⌚ | | ⌚ | | ⌒ | | ⬛ | |
|------|----|-----|------|------|-----|--------|-----|--------|-----|------|------|-------|
| Dash | mm | in | mm | in | MPa | psi | MPa | psi | mm | in | kg/m | lb/ft |
| -8 | 13 | 1/2 | 23,0 | 0,91 | 70 | 10.000 | 175 | 25.000 | 90 | 3,54 | 0,75 | 0,51 |
| -12 | 19 | 3/4 | 31,4 | 1,24 | 70 | 10.000 | 175 | 25.000 | 210 | 8,27 | 1,47 | 0,99 |
| -16 | 25 | 1 | 37,8 | 1,49 | 70 | 10.000 | 175 | 25.000 | 250 | 9,84 | 1,03 | 1,37 |

WATERBLAST WB15

| ↔ | | | ↔ | | ⌚ | | ⌚ | | ⌒ | | ⬛ | |
|------|----|-----|------|------|-----|--------|-----|--------|-----|----|------|-------|
| Dash | mm | in | mm | in | MPa | psi | MPa | psi | mm | in | kg/m | lb/ft |
| -06 | 10 | 3/8 | 21,4 | 0,84 | 110 | 16.000 | 275 | 40.000 | 150 | 6 | 0,85 | 0,57 |
| -08 | 13 | 1/2 | 25,4 | 1,00 | 110 | 16.000 | 275 | 40.000 | 200 | 8 | 1,26 | 0,85 |
| -12 | 19 | 3/4 | 31,8 | 1,25 | 100 | 14.500 | 250 | 36.250 | 280 | 11 | 1,78 | 1,20 |

WATERBLAST WB20

| ↔ | | | ↔ | | ⌚ | | ⌚ | | ⌒ | | ⬛ | |
|------|----|-----|------|------|-----|--------|-----|--------|-----|----|------|-------|
| Dash | mm | in | mm | in | MPa | psi | MPa | psi | mm | in | kg/m | lb/ft |
| -08 | 13 | 1/2 | 29,5 | 1,16 | 140 | 20.000 | 350 | 50.000 | 200 | 8 | 1,75 | 1,18 |

HYDRAULIC HOSE

| | |
|--|----|
| • FLEXOPAK 2 - MINETUFF | 54 |
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FLEXOPAK 2 - MINETUFF

ISO 11237 - SAE 100 R16S

EN 857 2SC (up to 1")

Tube: Oil and biodegradable hydraulic fluid resistant synthetic rubber

Reinforcement: High tensile steel braids

Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

Application: High pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water

Temperature: -40 °C +100 °C (-40 °F +212 °F)

air max T = +70 °C (+160 °F)

Length: Random up to 1 1/4"
61 m (200 ft) from 1 1/2" to 3"



Recommended fitting:

Refer to hydraulic or Alfacrimp One-Piece catalogue

Contact our offices for -40 and -48 connections.

| Constr. | Item Code | Dash | ↔ | | ↔ | | ⌚ | | ⌚ | | ⌒ | | ⌚ | |
|---------|-----------|------|----|-------|------|------|------|------|-----|-------|-----|------|------|-------|
| | | | mm | in | mm | in | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/ft |
| 2B | 1000146 | -4 | 6 | 1/4 | 13,2 | 0,52 | 42 | 6000 | 168 | 24000 | 51 | 2 | 0,28 | 0,19 |
| 2B | 1000174 | -5 | 8 | 5/16 | 14,8 | 0,58 | 40 | 5800 | 160 | 23200 | 57 | 2,2 | 0,30 | 0,20 |
| 2B | 1000147 | -6 | 10 | 3/8 | 17,4 | 0,68 | 35 | 5000 | 140 | 20300 | 64 | 2,5 | 0,39 | 0,26 |
| 2B | 1000171 | -8 | 12 | 1/2 | 20,7 | 0,81 | 31 | 4500 | 124 | 17900 | 90 | 3,5 | 0,52 | 0,35 |
| 2B | 1000104 | -10 | 16 | 5/8 | 23,7 | 0,93 | 28 | 4100 | 112 | 16240 | 101 | 4 | 0,60 | 0,40 |
| 2B | 1000172 | -12 | 20 | 3/4 | 27,6 | 1,07 | 24 | 3500 | 96 | 14000 | 121 | 4,8 | 0,80 | 0,54 |
| 2B | 1000173 | -16 | 25 | 1 | 35,6 | 1,40 | 21 | 3000 | 84 | 12000 | 152 | 6 | 1,22 | 0,82 |
| 2B | 1001533 | -20 | 32 | 1.1/4 | 43,3 | 1,70 | 14,5 | 2100 | 58 | 8400 | 210 | 8,3 | 1,50 | 1,01 |
| 2B | 1001728 | -24 | 38 | 1 1/2 | 50,9 | 2,00 | 12,5 | 1800 | 50 | 7200 | 430 | 16,9 | 1,97 | 1,32 |
| 2B | 1001729 | -32 | 51 | 2 | 63,9 | 2,51 | 10 | 1450 | 40 | 5800 | 550 | 21,6 | 2,55 | 1,71 |
| 2B | 1001945 | -40 | 63 | 2 1/2 | 76,5 | 3,00 | 7,5 | 1100 | 30 | 4400 | 720 | 28,3 | 3,04 | 2,04 |
| 2B | 1001994 | -48 | 76 | 3 | 91,2 | 3,59 | 7 | 1000 | 28 | 4000 | 880 | 34,6 | 4,08 | 2,74 |

AT5K - MINETUFF

1,000,000 impulse cycles*

Tube: oil resistant synthetic rubber.

Reinforcement: six high tensile steel spirals (6S).

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Constant operation: -40 °C +121 °C (-40 °F +250 °F)

Length: 61 m (200 ft)

Recommended fitting:

Contact our offices for connections.



| Item Code | Dash | ↔ | | ↔ | | ⌚ | | ⌚ | | ⌒ | | 📦 | |
|-----------|------|----|-------|------|------|-----|------|-----|-------|-----|------|------|---------|
| | | mm | in | mm | in | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/C ft |
| 1001538 | -40 | 63 | 2 1/2 | 83,4 | 3,30 | 35 | 5000 | 140 | 20000 | 895 | 35,2 | 8,70 | 584 |

AT6K - MINETUFF

1,000,000 cycles tested

Tube: oil resistant synthetic rubber.

Reinforcement: six high tensile steel spirals (6S).

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Constant operation: -40 °C +121 °C (-40 °F +250 °F)

Length: 61 m (200 ft)

Recommended fitting:

Refer to hydraulic or Alfacrimp One-Piece catalogue



| Item Code | Dash | ↔ | | ↔ | | ⌚ | | ⌚ | | ⌒ | | 📦 | |
|-----------|------|----|----|------|------|-----|------|-----|-------|-----|------|------|---------|
| | | mm | in | mm | in | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/C ft |
| 1000344 | -32 | 51 | 2 | 72,0 | 2,83 | 42 | 6000 | 168 | 24000 | 600 | 24,0 | 7,08 | 474 |

AT7K - MINETUFF

1,000,000 cycles tested

Tube: oil resistant synthetic rubber.

Reinforcement: six high tensile steel spirals (6S).

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Constant operation: -40 °C +121 °C (-40 °F +250 °F)

Length: 61 m (200 ft)

Recommended fitting:

Refer to hydraulic or Alfacrimp One-Piece catalogue



| Item Code | Dash | ↔ | | ↔ | | ⌚ | | ⌚ | | ⌒ | | 📦 | |
|-----------|------|----|-------|------|------|------|------|-----|-------|-----|------|------|---------|
| | | mm | in | mm | in | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/C ft |
| 1001783 | -20 | 32 | 1 1/4 | 50,4 | 1,98 | 52,5 | 7500 | 210 | 30000 | 420 | 16,5 | 3,59 | 241 |
| 1001544 | -24 | 38 | 1 1/2 | 57,3 | 2,26 | 49 | 7000 | 196 | 28000 | 500 | 19,7 | 5,10 | 342 |

ALFABIOTECH 2000 - MINETUFF

ISO 18752

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids

Reinforcement: four high tensile steel spirals (4S)

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

Application: developed to withstand very demanding conditions very high performance in pressure, pulsing and flexing.

Temperature: -40 °C +121 °C (-40 °F +250 °F)

Length: 61 m from 1 1/4" to 2" - 30,5 m for 2 1/2"



Recommended fitting:

Contact our offices for connections.

| Item code | Dash | ↔ | | ↔ | | ⊕ | | ⊕ | | ⌒ | | ⊞ | |
|-----------|------|----|-------|------|------|-----|------|-----|------|-----|-------|------|-------|
| | | mm | in | mm | in | Mpa | psi | Mpa | psi | mm | in | kg/m | lb/ft |
| 1002575 | -40 | 63 | 2 1/2 | 79 | 3,11 | 14 | 2030 | 56 | 8120 | 720 | 28,35 | 4,63 | 3,11 |
| 1002576 | -48 | 76 | 3 | 92,5 | 3,64 | 14 | 2030 | 56 | 8120 | 840 | 33,07 | 5,40 | 3,63 |

ALFABIOTECH 3000 - MINETUFF

ISO 18752

Tube: Oil and biodegradable hydraulic fluid resistant synthetic rubber

Reinforcement: High tensile steel spirals (4S/6S)

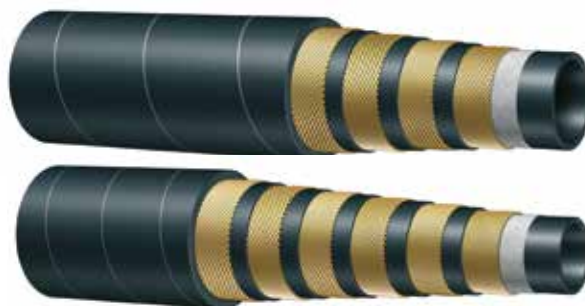
Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.

Application: Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications

Temperature: -40 °C +121 °C (-40 °F +250 °F)

air max T = +70 °C (+160 °F)

Length: 61 m (200 ft)



Recommended fitting:

Refer to hydraulic or Alfacrimp One-Piece catalogue

Contact our offices for -40 and -48 connections.

| Item code | Constr. | Dash | ↔ | | ↔ | | ⊕ | | ⊕ | | ⌒ | | ⊞ | |
|-----------|---------|------|----|-------|------|------|-----|------|-----|-------|-----|-------|------|-------|
| | | | mm | in | mm | inch | Mpa | psi | Mpa | psi | mm | inch | kg/m | lb/ft |
| 1001690 | 4S | -20 | 32 | 1 1/4 | 45,7 | 1,80 | 21 | 3000 | 84 | 12000 | 230 | 9,06 | 2,25 | 1,51 |
| 1002574 | 4S | -40 | 38 | 2 1/2 | 51,8 | 2,04 | 21 | 3045 | 84 | 12180 | 420 | 16,54 | 2,76 | 1,85 |
| 1002674 | 6S | -48 | 76 | 3 | 95,6 | 3,76 | 21 | 3045 | 84 | 12180 | 900 | 35,43 | 7,95 | 5,33 |

ALFABIOTECH 4000 - MINETUFF

ISO 18752

Tube: Oil and biodegradable hydraulic fluid resistant synthetic rubber
Reinforcement: High tensile steel spirals (4S)
Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.
Application: Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications
Temperature: -40 °C +121 °C (-40 °F +250 °F)
 air max T = +70 °C (+160 °F)
Length: Random up to 1" - 61 m (200 ft) from 1 1/4" to 2"

Recommended fitting:
 Refer to hydraulic or Alfacrimp One-Piece catalogue



| Item code | Dash | ↔ | | ↔ | | ⊕ | | ⊖ | | ⌒ | | ⬮ | |
|-----------|------|----|-------|------|------|-----|------|-----|-------|-----|-------|------|-------|
| | | mm | in | mm | inch | Mpa | psi | Mpa | psi | mm | inch | kg/m | lb/ft |
| 1001691 | -12 | 20 | 3/4 | 29,5 | 1,16 | 28 | 4000 | 112 | 16000 | 120 | 4,72 | 1,23 | 0,83 |
| 1001692 | -16 | 25 | 1 | 37,5 | 1,48 | 28 | 4000 | 112 | 16000 | 150 | 5,91 | 1,60 | 1,07 |
| 1002484 | -20 | 32 | 1 1/4 | 45,5 | 1,79 | 28 | 4000 | 112 | 16000 | 260 | 10,24 | 2,25 | 1,51 |
| 1002502 | -24 | 38 | 1 1/2 | 51,8 | 2,04 | 29 | 4140 | 112 | 16000 | 420 | 16,54 | 2,86 | 1,92 |
| 1002483 | -32 | 51 | 2 | 66,8 | 2,63 | 28 | 4000 | 112 | 16000 | 530 | 20,87 | 4,47 | 3,00 |

ALFABIOTECH 5000 - MINETUFF

ISO 18752

Tube: Oil and biodegradable hydraulic fluid resistant synthetic rubber
Reinforcement: High tensile steel spirals (4S/6S)
Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.
Application: Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications
Temperature: -40 °C +121 °C (-40 °F +250 °F)
 air max T = +70 °C (+160 °F)
Length: Random up to 1" - 61 m (200 ft) from 1 1/4" to 2 1/2"

Recommended fitting:
 Refer to hydraulic or Alfacrimp One-Piece catalogue
 Contact our offices for -40 and -48 connections.



| Item code | Constr. | Dash | ↔ | | ↔ | | ⊕ | | ⊖ | | ⌒ | | ⬮ | |
|-----------|---------|------|----|-------|------|------|-----|------|-------|-------|-----|-------|------|-------|
| | | | mm | in | mm | inch | Mpa | psi | Mpa | psi | mm | inch | kg/m | lb/ft |
| 1001693 | 4S | -10 | 16 | 5/8 | 25,9 | 1,02 | 35 | 5000 | 140 | 20000 | 140 | 5,51 | 0,87 | 0,58 |
| 1001694 | 4S | -12 | 20 | 3/4 | 31,0 | 1,22 | 35 | 5000 | 140 | 20000 | 150 | 5,90 | 1,23 | 0,83 |
| 1001695 | 4S | -16 | 25 | 1 | 37,8 | 1,49 | 35 | 5000 | 140 | 20000 | 180 | 7,09 | 1,68 | 1,13 |
| 1001696 | 4S | -20 | 32 | 1 1/4 | 44,4 | 1,75 | 35 | 5000 | 140 | 20000 | 280 | 11,02 | 2,27 | 1,52 |
| 1001780 | 6S | -24 | 38 | 1 1/2 | 56,5 | 2,22 | 35 | 5000 | 140 | 20000 | 500 | 19,69 | 4,48 | 3,01 |
| 1001779 | 6S | -32 | 51 | 2 | 70,2 | 2,76 | 35 | 5000 | 140 | 20000 | 550 | 21,65 | 6,26 | 4,20 |
| 1002675 | 6S | -48 | 76 | 3 | 95,6 | 3,76 | 35 | 5000 | 87,5* | 12687 | 900 | 35,43 | 7,95 | 5,33 |

ALFABIOTECH 5000 PLUS - MINETUFF

ISO 18752

Tube: Oil and biodegradable hydraulic fluid resistant synthetic rubber

Reinforcement: High tensile steel spirals (4S)

Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.

Application: Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications

Temperature: -40 °C +121 °C (-40 °F +250 °F)

air max T = +70 °C (+160 °F)

Length: Random

Recommended fitting:

Refer to hydraulic or Alfacrimp One-Piece catalogue



| Item code | ↔ | | | ↔ | | ⌚ | | ⌚ | | ⌒ | | ⏺ | |
|-----------|------|----|-----|------|------|-----|------|-----|-------|-----|------|-------|-------|
| | Dash | mm | in | mm | inch | Mpa | psi | Mpa | psi | mm | inch | kg/m | lb/ft |
| 1001712 | -12 | 20 | 3/4 | 32,0 | 1,26 | 38 | 5500 | 152 | 22000 | 180 | 7,09 | 1,228 | 0,82 |
| 1001713 | -16 | 25 | 1 | 38,2 | 1,50 | 38 | 5500 | 152 | 22000 | 210 | 8,27 | 1,934 | 1,30 |

ALFABIOTECH 6000 - MINETUFF

ISO 18752

Tube: Oil and biodegradable hydraulic fluid resistant synthetic rubber

Reinforcement: High tensile steel spirals (4S/6S)

Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.

Application: Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications

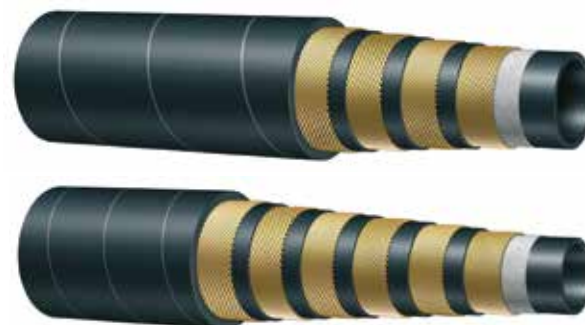
Temperature: -40 °C +121 °C (-40 °F +250 °F)

air max T = +70 °C (+160 °F)

Length: Random up to 1" - 61 m (200 ft) from 1 1/4" to 2"

Recommended fitting:

Refer to hydraulic or Alfacrimp One-Piece catalogue



| Item code | Constr. | ↔ | | | ↔ | | ⌚ | | ⌚ | | ⌒ | | ⏺ | |
|-----------|---------|------|----|-------|------|------|------|------|-----|-------|-----|-------|------|-------|
| | | Dash | mm | in | mm | inch | Mpa | psi | Mpa | psi | mm | inch | kg/m | lb/ft |
| 1001697 | 4S | -4 | 6 | 1/4 | 16,9 | 0,67 | 45 | 6525 | 180 | 26100 | 60 | 2,36 | 0,47 | 0,32 |
| 1001698 | 4S | -6 | 10 | 3/8 | 19,9 | 0,78 | 44,5 | 6450 | 178 | 25800 | 75 | 2,95 | 0,55 | 0,37 |
| 1001699 | 4S | -8 | 12 | 1/2 | 23,0 | 0,91 | 42 | 6000 | 168 | 24000 | 90 | 3,54 | 0,75 | 0,50 |
| 1001700 | 4S | -10 | 16 | 5/8 | 28,0 | 1,10 | 42 | 6000 | 168 | 24000 | 180 | 7,09 | 1,19 | 0,80 |
| 1001701 | 4S | -12 | 20 | 3/4 | 31,2 | 1,23 | 42 | 6000 | 168 | 24000 | 210 | 8,27 | 1,47 | 0,99 |
| 1001702 | 4S | -16 | 25 | 1 | 37,8 | 1,49 | 42 | 6000 | 168 | 24000 | 280 | 11,02 | 2,03 | 1,36 |
| 1002487 | 4S | -20 | 32 | 1 1/4 | 46,1 | 1,81 | 42 | 6000 | 168 | 24000 | 445 | 17,52 | 2,92 | 1,96 |
| 1002485 | 6S | -20 | 32 | 1 1/4 | 49,4 | 1,94 | 42 | 6000 | 168 | 24000 | 445 | 17,52 | 3,47 | 2,33 |
| 1002486 | 6S | -24 | 38 | 1 1/2 | 56,5 | 2,22 | 42 | 6000 | 168 | 24000 | 560 | 22,05 | 4,48 | 3,01 |

INDUSTRIAL FITTINGS

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- COMBINATION NIPPLE..... 70
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TYPE B CLAW COUPLING (U.S. TYPE)

Hose shank - Gasket Included



| Item Code | Part Number | Hose ID in | Hose ID mm | Claw Distance Internal mm | Claw Distance External mm | Material | Note |
|-----------|-----------------|------------|------------|---------------------------|---------------------------|----------------|------------|
| 2303335 | I919K300-010041 | 3/8 | 10 | 41 | 62 | MALLEABLE IRON | |
| 2302919 | I919K300-013041 | 1/2 | 13 | 41 | 62 | MALLEABLE IRON | |
| 2302920 | I919K300-019041 | 3/4 | 19 | 41 | 62 | MALLEABLE IRON | |
| 2302921 | I919K300-025041 | 1 | 25 | 41 | 62 | MALLEABLE IRON | |
| 2303366 | I919K300-032041 | 1 1/4 | 32 | 41 | 62 | MALLEABLE IRON | 4 LUG TYPE |
| 2303367 | I919K300-038041 | 1 1/2 | 38 | 41 | 62 | MALLEABLE IRON | 4 LUG TYPE |
| 2303368 | I919K300-051041 | 2 | 51 | 41 | 62 | MALLEABLE IRON | 4 LUG TYPE |
| 2306780 | I319K300-013041 | 1/2 | 13 | 41 | 62 | S/S 316 | |
| 2306781 | I319K300-019041 | 3/4 | 19 | 41 | 62 | S/S 316 | |
| 2306782 | I319K300-025041 | 1 | 25 | 41 | 62 | S/S 316 | |

TO ASSEMBLE THE INSERT USE CLAW CLAMP OR CRIMPING RING

TYPE B CLAW COUPLING (U.S. TYPE)

Male NPT - Gasket Included



| Item Code | Part Number | Thread in | Thread type | Claw Distance Internal mm | Claw Distance External mm | Material |
|-----------|-----------------|-----------|-------------|---------------------------|---------------------------|----------------|
| 2303344 | I9A9K228-041013 | 1/4 | NPT | 41 | 62 | MALLEABLE IRON |
| 2303345 | I9A9K228-041017 | 3/8 | NPT | 41 | 62 | MALLEABLE IRON |
| 2302922 | I9A9K228-041021 | 1/2 | NPT | 41 | 62 | MALLEABLE IRON |
| 2302923 | I9A9K228-041027 | 3/4 | NPT | 41 | 62 | MALLEABLE IRON |
| 2302924 | I9A9K228-041034 | 1 | NPT | 41 | 62 | MALLEABLE IRON |
| 2306784 | I3A9K228-041021 | 1/2 | NPT | 41 | 62 | S/S 316 |
| 2306785 | I3A9K228-041027 | 3/4 | NPT | 41 | 62 | S/S 316 |
| 2306786 | I3A9K228-041034 | 1 | NPT | 41 | 62 | S/S 316 |

TYPE B CLAW COUPLING (U.S. TYPE)

Female NPT - Gasket Included



| Item Code | Part Number | Thread in | Thread type | Claw Distance Internal mm | Claw Distance External mm | Material | Note |
|-----------|-----------------|-----------|-------------|---------------------------|---------------------------|----------------|------------|
| 2303354 | I9A9K328-041013 | 1/4 | NPT | 41 | 62 | MALLEABLE IRON | |
| 2303355 | I9A9K328-041017 | 3/8 | NPT | 41 | 62 | MALLEABLE IRON | |
| 2302925 | I9A9K328-041021 | 1/2 | NPT | 41 | 62 | MALLEABLE IRON | |
| 2302926 | I9A9K328-041027 | 3/4 | NPT | 41 | 62 | MALLEABLE IRON | |
| 2302927 | I9A9K328-041034 | 1 | NPT | 41 | 62 | MALLEABLE IRON | |
| 2303372 | I9A9K328-041042 | 1 1/4 | NPT | 41 | 62 | MALLEABLE IRON | 4 LUG TYPE |
| 2303373 | I9A9K328-041049 | 1 1/2 | NPT | 41 | 62 | MALLEABLE IRON | 4 LUG TYPE |
| 2303374 | I9A9K328-041060 | 2 | NPT | 41 | 62 | MALLEABLE IRON | 4 LUG TYPE |
| 2306787 | I3A9K328-041021 | 1/2 | NPT | 41 | 62 | S/S 316 | |
| 2306788 | I3A9K328-041027 | 3/4 | NPT | 41 | 62 | S/S 316 | |
| 2306789 | I3A9K328-041034 | 1 | NPT | 41 | 62 | S/S 316 | |

TYPE B CLAW COUPLING (U.S. TYPE)

Blank cap



| Item Code | Part Number | Claw Distance Internal mm | Claw Distance External mm | Material |
|-----------|-----------------|---------------------------|---------------------------|----------------|
| 2303362 | I9A9K400-041000 | 41 | 62 | MALLEABLE IRON |
| 2306790 | I3A9K400-041000 | 41 | 62 | S/S 316 |

TYPE B CLAW COUPLING (U.S. TYPE)

Safety pin



| Item Code | Part Number | Material |
|-----------|-------------|--------------|
| 2303232 | I1YC4001 | PLATED STEEL |

TYPE B CLAW COUPLING (U.S. TYPE)

Claw clamps



| Item Code | Part Number | Hose ID in | Hose ID mm | Hose OD min mm | Hose OD max mm | Material |
|-----------|---------------|------------|------------|----------------|----------------|----------------|
| 2302928 | I9LG2B-013028 | 1/2 | 13 | 25,0 | 30,0 | MALLEABLE IRON |
| 2302929 | I9LG2B-019031 | 3/4 | 19 | 30,0 | 33,0 | MALLEABLE IRON |
| 2302930 | I9LG2B-025042 | 1 | 25 | 35,0 | 45,0 | MALLEABLE IRON |

CRIMPING RING



| Item Code | Part Number | Hose ID mm | Ring ID mm | Ring OD mm | Ring L mm | Material |
|-----------|-----------------|-------------|------------|------------|-----------|-----------|
| 2303033 | R5YBFF0-0242020 | 13 | 24 | 28 | 20 | ALUMINIUM |
| 2303034 | R5YBFF0-0312020 | 19 | 31 | 35 | 20 | ALUMINIUM |
| 2303035 | R5YBFF0-0402520 | 25 | 40 | 45 | 20 | ALUMINIUM |
| 2306680 | R5YBFF0-0552530 | 45 | 55 | 60 | 30 | ALUMINIUM |
| 2304550 | R5YBFF0-0602535 | 45 | 60 | 65 | 35 | ALUMINIUM |
| 2304551 | R5YBFF0-0902540 | 70-76 | 90 | 95 | 40 | ALUMINIUM |
| 2303040 | R5YBFF0-1102560 | 90 | 110 | 115 | 60 | ALUMINIUM |
| 2304552 | R5YBFF0-1252580 | 102-105-110 | 125 | 130 | 80 | ALUMINIUM |

TYPE B CLAW COUPLING (U.S. TYPE)

Hose shank with Precrimped ferrule - Gasket Included



| Item Code | Part Number | Hose ID in | Hose ID mm | Claw Distance Internal mm | Claw Distance External mm | Hose OD min-MAX mm | Material |
|-----------|-----------------|------------|------------|---------------------------|---------------------------|--------------------|----------|
| 2306783 | I319KL00-019041 | 3/4 | 19 | 41 | 62 | 26,9 - 34,1 | S/S 316 |

GROUND JOINT SEAL

Complete coupling BSP



| Item Code | Part Number | Hose ID in | Hose ID mm | Thread in | Thread Type | Material |
|-----------|-----------------|------------|------------|-----------|-------------|----------------|
| 2302966 | I918B206-013021 | 1/2 | 13 | 1/2 | BSP | MALLEABLE IRON |
| 2302967 | I918B206-019027 | 3/4 | 19 | 3/4 | BSP | MALLEABLE IRON |
| 2302968 | I918B206-025034 | 1 | 25 | 1 | BSP | MALLEABLE IRON |
| 2302969 | I918B206-032042 | 1 1/4 | 32 | 1 1/4 | BSP | MALLEABLE IRON |
| 2302970 | I918B206-038049 | 1 1/2 | 38 | 1 1/2 | BSP | MALLEABLE IRON |
| 2302971 | I918B206-051060 | 2 | 51 | 2 | BSP | MALLEABLE IRON |
| 2302972 | I918B206-063076 | 2 1/2 | 63 | 2 1/2 | BSP | MALLEABLE IRON |
| 2302973 | I918B206-076090 | 3 | 76 | 3 | BSP | MALLEABLE IRON |
| 2302974 | I918B206-102114 | 4 | 102 | 4 | BSP | MALLEABLE IRON |

GROUND JOINT SEAL

Complete coupling NPT



| Item Code | Part Number | Hose ID in | Hose ID mm | Thread in | Thread Type | Material |
|-----------|-----------------|------------|------------|-----------|-------------|----------------|
| 2303386 | I918B228-013021 | 1/2 | 13 | 1/2 | NPT | MALLEABLE IRON |
| 2303387 | I918B228-019027 | 3/4 | 19 | 3/4 | NPT | MALLEABLE IRON |
| 2303388 | I918B228-025034 | 1 | 25 | 1 | NPT | MALLEABLE IRON |
| 2303389 | I918B228-032042 | 1 1/4 | 32 | 1 1/4 | NPT | MALLEABLE IRON |
| 2303390 | I918B228-038049 | 1 1/2 | 38 | 1 1/2 | NPT | MALLEABLE IRON |
| 2303391 | I918B228-051060 | 2 | 51 | 2 | NPT | MALLEABLE IRON |
| 2303392 | I918B228-063076 | 2 1/2 | 63 | 2 1/2 | NPT | MALLEABLE IRON |
| 2303393 | I918B228-076090 | 3 | 76 | 3 | NPT | MALLEABLE IRON |
| 2303394 | I918B228-102114 | 4 | 102 | 4 | NPT | MALLEABLE IRON |

GROUND JOINT SEAL

Male BSP - Hose shank



| Item Code | Part Number | Hose ID in | Hose ID mm | Thread in | Thread Type | Material |
|-----------|-----------------|------------|------------|-----------|-------------|----------------|
| 2302983 | I118B107-013021 | 1/2 | 13 | 1/2 | BSP | PLATED STEEL |
| 2302984 | I118B107-019027 | 3/4 | 19 | 3/4 | BSP | PLATED STEEL |
| 2302985 | I118B107-025034 | 1 | 25 | 1 | BSP | PLATED STEEL |
| 2302986 | I918B107-032042 | 1 1/4 | 32 | 1 1/4 | BSP | MALLEABLE IRON |
| 2302987 | I918B107-038049 | 1 1/2 | 38 | 1 1/2 | BSP | MALLEABLE IRON |
| 2302988 | I918B107-051060 | 2 | 51 | 2 | BSP | MALLEABLE IRON |
| 2302989 | I918B107-063076 | 2 1/2 | 63 | 2 1/2 | BSP | MALLEABLE IRON |
| 2302990 | I918B107-076090 | 3 | 76 | 3 | BSP | MALLEABLE IRON |
| 2302991 | I918B107-102114 | 4 | 102 | 4 | BSP | MALLEABLE IRON |

GROUND JOINT SEAL

Male NPT - Hose shank



| Item Code | Part Number | Hose ID in | Hose ID mm | Thread in | Thread Type | Material |
|-----------|-----------------|------------|------------|-----------|-------------|----------------|
| 2303428 | I918B128-013021 | 1/2 | 13 | 1/2 | NPT | MALLEABLE IRON |
| 2303429 | I918B128-019027 | 3/4 | 19 | 3/4 | NPT | MALLEABLE IRON |
| 2303430 | I918B128-025034 | 1 | 25 | 1 | NPT | MALLEABLE IRON |
| 2303431 | I918B128-032042 | 1 1/4 | 32 | 1 1/4 | NPT | MALLEABLE IRON |
| 2303432 | I918B128-038049 | 1 1/2 | 38 | 1 1/2 | NPT | MALLEABLE IRON |
| 2303433 | I918B128-051060 | 2 | 51 | 2 | NPT | MALLEABLE IRON |
| 2303434 | I918B128-063076 | 2 1/2 | 63 | 2 1/2 | NPT | MALLEABLE IRON |
| 2303435 | I918B128-076090 | 3 | 76 | 3 | NPT | MALLEABLE IRON |
| 2303436 | I918B128-102114 | 4 | 102 | 4 | NPT | MALLEABLE IRON |

GROUND JOINT SEAL

Clamps - 2 Bolt - 2 Gripping finger type



| Item Code | Part Number | Hose ID in | Hose ID mm | Hose OD Min mm | Hose OD Max mm | Material |
|-----------|---------------|------------|------------|----------------|----------------|----------------|
| 2302992 | I9LG2F-013026 | 1/2 | 13 | 24 | 27 | MALLEABLE IRON |
| 2302993 | I9LG2F-019032 | 3/4 | 19 | 30 | 33 | MALLEABLE IRON |
| 2303440 | I9LG2F-019036 | 3/4 | 19 | 33 | 38 | MALLEABLE IRON |

GROUND JOINT SEAL

Clamps - 4 Bolt - 2 Gripping finger type



| Item Code | Part Number | Hose ID in | Hose ID mm | Hose OD Min mm | Hose OD Max mm | Material |
|----------------------|---------------|------------|------------|----------------|----------------|----------------|
| 2303443 | I9LG4F-025038 | 1 | 25 | 35,5 | 40 | MALLEABLE IRON |
| 2302994 | I9LG4F-025041 | 1 | 25 | 39 | 43,5 | MALLEABLE IRON |
| 2302995 [■] | I9LG4F-032046 | 1 1/4 | 32 | 43 | 47,5 | MALLEABLE IRON |
| 2302996 | I9LG4F-038049 | 1 1/4 | 32 | 45 | 53 | MALLEABLE IRON |
| 2303448 | I9LG4F-038060 | 1 1/2 | 38 | 55,5 | 60 | MALLEABLE IRON |
| 2302997 | I9LG4F-051067 | 2 | 51 | 63 | 71 | MALLEABLE IRON |
| | I9LG4F-063083 | 2 1/2 | 63 | 78,5 | 87,5 | MALLEABLE IRON |
| 2302998 | I9LG4F-076094 | 3 | 76 | 89 | 100 | MALLEABLE IRON |

■ 4 GRIPPING FINGER

GROUND JOINT SEAL

Clamps - 6 Bolt - 3 Gripping finger type



| Item Code | Part Number | Hose ID in | Hose ID mm | Hose OD Min mm | Hose OD Max mm | Material |
|-----------|---------------|------------|------------|----------------|----------------|----------------|
| 2302999 | I9LG6F-102123 | 4 | 102 | 117,5 | 127 | MALLEABLE IRON |
| | I9LG6F-102142 | 4 | 102 | 133,5 | 142 | MALLEABLE IRON |

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Type A - Adapter, female BSP



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|-----------|
| 2303234 | I5A9C606-013021 | 1/2 | BSP | 1/2 | 13 | ALUMINIUM |
| 2301830 | I5A9C606-019027 | 3/4 | BSP | 3/4 | 19 | ALUMINIUM |
| 2300182 | I5A9C606-025034 | 1 | BSP | 1 | 25 | ALUMINIUM |
| 2300183 | I5A9C606-032042 | 1 1/4 | BSP | 1 1/4 | 32 | ALUMINIUM |
| 2301831 | I5A9C606-038049 | 1 1/2 | BSP | 1 1/2 | 38 | ALUMINIUM |
| 2301832 | I5A9C606-051060 | 2 | BSP | 2 | 51 | ALUMINIUM |
| 2301833 | I5A9C606-063076 | 2 1/2 | BSP | 2 1/2 | 63 | ALUMINIUM |
| 2301834 | I5A9C606-076090 | 3 | BSP | 3 | 76 | ALUMINIUM |
| 2301835 | I5A9C606-102114 | 4 | BSP | 4 | 102 | ALUMINIUM |
| 2302706 | I5A9C606-127140 | 5 | BSP | 5 | 127 | ALUMINIUM |
| 2301836 | I5A9C606-152165 | 6 | BSP | 6 | 152 | ALUMINIUM |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303236 | I3A9C606-013021 | 1/2 | BSP | 1/2 | 13 | S/S 316 |
| 2301837 | I3A9C606-019027 | 3/4 | BSP | 3/4 | 19 | S/S 316 |
| 2300148 | I3A9C606-025034 | 1 | BSP | 1 | 25 | S/S 316 |
| 2300149 | I3A9C606-032042 | 1 1/4 | BSP | 1 1/4 | 32 | S/S 316 |
| 2301838 | I3A9C606-038049 | 1 1/2 | BSP | 1 1/2 | 38 | S/S 316 |
| 2301839 | I3A9C606-051060 | 2 | BSP | 2 | 51 | S/S 316 |
| 2301840 | I3A9C606-063076 | 2 1/2 | BSP | 2 1/2 | 63 | S/S 316 |
| 2302602 | I3A9C606-076090 | 3 | BSP | 3 | 76 | S/S 316 |
| 2302603 | I3A9C606-102114 | 4 | BSP | 4 | 102 | S/S 316 |
| 2302604 | I3A9C606-152165 | 6 | BSP | 6 | 152 | S/S 316 |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303235 | I8A9C606-013021 | 1/2 | BSP | 1/2 | 13 | BRASS |
| 2301841 | I8A9C606-019027 | 3/4 | BSP | 3/4 | 19 | BRASS |
| 2301842 | I8A9C606-025034 | 1 | BSP | 1 | 25 | BRASS |
| 2302789 | I8A9C606-032042 | 1 1/4 | BSP | 1 1/4 | 32 | BRASS |
| 2302790 | I8A9C606-038049 | 1 1/2 | BSP | 1 1/2 | 38 | BRASS |
| 2301843 | I8A9C606-051060 | 2 | BSP | 2 | 51 | BRASS |
| 2301844 | I8A9C606-063076 | 2 1/2 | BSP | 2 1/2 | 63 | BRASS |
| 2301845 | I8A9C606-076090 | 3 | BSP | 3 | 76 | BRASS |
| 2301846 | I8A9C606-102114 | 4 | BSP | 4 | 102 | BRASS |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303259 | IPA9C606-013021 | 1/2 | BSP | 1/2 | 13 | PP |
| 2303260 | IPA9C606-019027 | 3/4 | BSP | 3/4 | 19 | PP |
| 2303261 | IPA9C606-025034 | 1 | BSP | 1 | 25 | PP |
| 2303262 | IPA9C606-032042 | 1 1/4 | BSP | 1 1/4 | 32 | PP |
| 2303263 | IPA9C606-038049 | 1 1/2 | BSP | 1 1/2 | 38 | PP |
| 2303264 | IPA9C606-051060 | 2 | BSP | 2 | 51 | PP |
| 2303266 | IPA9C606-076090 | 3 | BSP | 3 | 76 | PP |
| 2303267 | IPA9C606-102114 | 4 | BSP | 4 | 102 | PP |

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Type A - Adapter, female NPT



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|-----------|
| 2303469 | I5A9C628-013021 | 1/2 | NPT | 1/2 | 13 | ALUMINIUM |
| 2303470 | I5A9C628-019027 | 3/4 | NPT | 3/4 | 19 | ALUMINIUM |
| 2303471 | I5A9C628-025034 | 1 | NPT | 1 | 25 | ALUMINIUM |
| 2303472 | I5A9C628-032042 | 1 1/4 | NPT | 1 1/4 | 32 | ALUMINIUM |
| 2303473 | I5A9C628-038049 | 1 1/2 | NPT | 1 1/2 | 38 | ALUMINIUM |
| 2303474 | I5A9C628-051060 | 2 | NPT | 2 | 51 | ALUMINIUM |
| 2303475 | I5A9C628-063076 | 2 1/2 | NPT | 2 1/2 | 63 | ALUMINIUM |
| 2303476 | I5A9C628-076090 | 3 | NPT | 3 | 76 | ALUMINIUM |
| 2303477 | I5A9C628-102114 | 4 | NPT | 4 | 102 | ALUMINIUM |
| 2303478 | I5A9C628-127140 | 5 | NPT | 5 | 127 | ALUMINIUM |
| 2303479 | I5A9C628-152165 | 6 | NPT | 6 | 152 | ALUMINIUM |
| 2303480 | I5A9C628-203219 | 8 | NPT | 8 | 203 | ALUMINIUM |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303492 | I3A9C628-013021 | 1/2 | NPT | 1/2 | 13 | S/S 316 |
| 2303493 | I3A9C628-019027 | 3/4 | NPT | 3/4 | 19 | S/S 316 |
| 2303494 | I3A9C628-025034 | 1 | NPT | 1 | 25 | S/S 316 |
| 2303495 | I3A9C628-032042 | 1 1/4 | NPT | 1 1/4 | 32 | S/S 316 |
| 2303496 | I3A9C628-038049 | 1 1/2 | NPT | 1 1/2 | 38 | S/S 316 |
| 2303497 | I3A9C628-051060 | 2 | NPT | 2 | 51 | S/S 316 |
| 2303498 | I3A9C628-063076 | 2 1/2 | NPT | 2 1/2 | 63 | S/S 316 |
| 2303499 | I3A9C628-076090 | 3 | NPT | 3 | 76 | S/S 316 |
| 2303500 | I3A9C628-102114 | 4 | NPT | 4 | 102 | S/S 316 |
| 2303501 | I3A9C628-127140 | 5 | NPT | 5 | 127 | S/S 316 |
| 2303502 | I3A9C628-152165 | 6 | NPT | 6 | 152 | S/S 316 |
| 2303503 | I3A9C628-203219 | 8 | NPT | 8 | 203 | S/S 316 |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303481 | I8A9C628-013021 | 1/2 | NPT | 1/2 | 13 | BRASS |
| 2303482 | I8A9C628-019027 | 3/4 | NPT | 3/4 | 19 | BRASS |
| 2303483 | I8A9C628-025034 | 1 | NPT | 1 | 25 | BRASS |
| 2303484 | I8A9C628-032042 | 1 1/4 | NPT | 1 1/4 | 32 | BRASS |
| 2303485 | I8A9C628-038049 | 1 1/2 | NPT | 1 1/2 | 38 | BRASS |
| 2303486 | I8A9C628-051060 | 2 | NPT | 2 | 51 | BRASS |
| 2303487 | I8A9C628-063076 | 2 1/2 | NPT | 2 1/2 | 63 | BRASS |
| 2303488 | I8A9C628-076090 | 3 | NPT | 3 | 76 | BRASS |
| 2303489 | I8A9C628-102114 | 4 | NPT | 4 | 102 | BRASS |
| 2303490 | I8A9C628-127140 | 5 | NPT | 5 | 127 | BRASS |
| 2303491 | I8A9C628-152165 | 6 | NPT | 6 | 152 | BRASS |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303504 | IPA9C628-013021 | 1/2 | NPT | 1/2 | 13 | PP |
| 2303505 | IPA9C628-019027 | 3/4 | NPT | 3/4 | 19 | PP |
| 2303506 | IPA9C628-025034 | 1 | NPT | 1 | 25 | PP |
| 2303507 | IPA9C628-032042 | 1 1/4 | NPT | 1 1/4 | 32 | PP |
| 2303508 | IPA9C628-038049 | 1 1/2 | NPT | 1 1/2 | 38 | PP |
| 2303509 | IPA9C628-051060 | 2 | NPT | 2 | 51 | PP |
| 2303511 | IPA9C628-076090 | 3 | NPT | 3 | 76 | PP |
| 2303512 | IPA9C628-102114 | 4 | NPT | 4 | 102 | PP |

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Type D - Coupler, female BSP



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|-----------|
| 2303245 | I5A9C806-013021 | 1/2 | BSP | 1/2 | 13 | ALUMINIUM |
| 2301876 | I5A9C806-019027 | 3/4 | BSP | 3/4 | 19 | ALUMINIUM |
| 2300193 | I5A9C806-025034 | 1 | BSP | 1 | 25 | ALUMINIUM |
| 2300194 | I5A9C806-032042 | 1 1/4 | BSP | 1 1/4 | 32 | ALUMINIUM |
| 2301877 | I5A9C806-038049 | 1 1/2 | BSP | 1 1/2 | 38 | ALUMINIUM |
| 2301878 | I5A9C806-051060 | 2 | BSP | 2 | 51 | ALUMINIUM |
| 2301879 | I5A9C806-063076 | 2 1/2 | BSP | 2 1/2 | 63 | ALUMINIUM |
| 2301880 | I5A9C806-076090 | 3 | BSP | 3 | 76 | ALUMINIUM |
| 2301881 | I5A9C806-102114 | 4 | BSP | 4 | 102 | ALUMINIUM |
| 2302711 | I5A9C806-127140 | 5 | BSP | 5 | 127 | ALUMINIUM |
| 2301882 | I5A9C806-152165 | 6 | BSP | 6 | 152 | ALUMINIUM |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303247 | I3A9C806-013021 | 1/2 | BSP | 1/2 | 13 | S/S 316 |
| 2301883 | I3A9C806-019027 | 3/4 | BSP | 3/4 | 19 | S/S 316 |
| 2300155 | I3A9C806-025034 | 1 | BSP | 1 | 25 | S/S 316 |
| 2300156 | I3A9C806-032042 | 1 1/4 | BSP | 1 1/4 | 32 | S/S 316 |
| 2301884 | I3A9C806-038049 | 1 1/2 | BSP | 1 1/2 | 38 | S/S 316 |
| 2301885 | I3A9C806-051060 | 2 | BSP | 2 | 51 | S/S 316 |
| 2301886 | I3A9C806-063076 | 2 1/2 | BSP | 2 1/2 | 63 | S/S 316 |
| 2301887 | I3A9C806-076090 | 3 | BSP | 3 | 76 | S/S 316 |
| 2302224 | I3A9C806-102114 | 4 | BSP | 4 | 102 | S/S 316 |
| 2302611 | I3A9C806-152165 | 6 | BSP | 6 | 152 | S/S 316 |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2304806 | I8A9C806-013021 | 1/2 | BSP | 1/2 | 13 | BRASS |
| 2301888 | I8A9C806-019027 | 3/4 | BSP | 3/4 | 19 | BRASS |
| 2301889 | I8A9C806-025034 | 1 | BSP | 1 | 25 | BRASS |
| 2301890 | I8A9C806-032042 | 1 1/4 | BSP | 1 1/4 | 32 | BRASS |
| 2301891 | I8A9C806-038049 | 1 1/2 | BSP | 1 1/2 | 38 | BRASS |
| 2301892 | I8A9C806-051060 | 2 | BSP | 2 | 51 | BRASS |
| 2301893 | I8A9C806-063076 | 2 1/2 | BSP | 2 1/2 | 63 | BRASS |
| 2301894 | I8A9C806-076090 | 3 | BSP | 3 | 76 | BRASS |
| 2301895 | I8A9C806-102114 | 4 | BSP | 4 | 102 | BRASS |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303286 | IPA9C806-013021 | 1/2 | BSP | 1/2 | 13 | PP |
| 2303287 | IPA9C806-019027 | 1/4 | BSP | 1/4 | 19 | PP |
| 2303288 | IPA9C806-025034 | 1 | BSP | 1 | 25 | PP |
| 2303289 | IPA9C806-032042 | 1 1/4 | BSP | 1 1/4 | 32 | PP |
| 2303290 | IPA9C806-038049 | 1 1/2 | BSP | 1 1/2 | 38 | PP |
| 2303291 | IPA9C806-051060 | 2 | BSP | 2 | 51 | PP |
| 2303293 | IPA9C806-076090 | 3 | BSP | 3 | 76 | PP |
| 2303294 | IPA9C806-102114 | 4 | BSP | 4 | 102 | PP |

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Type D - Coupler, female NPT



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|-----------|
| 2303626 | I5A9C828-013021 | 1/2 | NPT | 1/2 | 13 | ALUMINIUM |
| 2303627 | I5A9C828-019027 | 3/4 | NPT | 3/4 | 19 | ALUMINIUM |
| 2303628 | I5A9C828-025034 | 1 | NPT | 1 | 25 | ALUMINIUM |
| 2303629 | I5A9C828-032042 | 1 1/4 | NPT | 1 1/4 | 32 | ALUMINIUM |
| 2303630 | I5A9C828-038049 | 1 1/2 | NPT | 1 1/2 | 38 | ALUMINIUM |
| 2303631 | I5A9C828-051060 | 2 | NPT | 2 | 51 | ALUMINIUM |
| 2303632 | I5A9C828-063076 | 2 1/2 | NPT | 2 1/2 | 63 | ALUMINIUM |
| 2303633 | I5A9C828-076090 | 3 | NPT | 3 | 76 | ALUMINIUM |
| 2303634 | I5A9C828-102114 | 4 | NPT | 4 | 102 | ALUMINIUM |
| 2303635 | I5A9C828-127140 | 5 | NPT | 5 | 127 | ALUMINIUM |
| 2303636 | I5A9C828-152165 | 6 | NPT | 6 | 152 | ALUMINIUM |
| 2303637 | I5A9C828-203219 | 8 | NPT | 8 | 203 | ALUMINIUM |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303649 | I3A9C828-013021 | 1/2 | NPT | 1/2 | 13 | S/S 316 |
| 2303650 | I3A9C828-019027 | 3/4 | NPT | 3/4 | 19 | S/S 316 |
| 2303651 | I3A9C828-025034 | 1 | NPT | 1 | 25 | S/S 316 |
| 2303652 | I3A9C828-032042 | 1 1/4 | NPT | 1 1/4 | 32 | S/S 316 |
| 2303653 | I3A9C828-038049 | 1 1/2 | NPT | 1 1/2 | 38 | S/S 316 |
| 2303654 | I3A9C828-051060 | 2 | NPT | 2 | 51 | S/S 316 |
| 2303655 | I3A9C828-063076 | 2 1/2 | NPT | 2 1/2 | 63 | S/S 316 |
| 2303656 | I3A9C828-076090 | 3 | NPT | 3 | 76 | S/S 316 |
| 2303657 | I3A9C828-102114 | 4 | NPT | 4 | 102 | S/S 316 |
| 2303658 | I3A9C828-127140 | 5 | NPT | 5 | 127 | S/S 316 |
| 2303659 | I3A9C828-152165 | 6 | NPT | 6 | 152 | S/S 316 |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303638 | I8A9C828-013021 | 1/2 | NPT | 1/2 | 13 | BRASS |
| 2303639 | I8A9C828-019027 | 3/4 | NPT | 3/4 | 19 | BRASS |
| 2303640 | I8A9C828-025034 | 1 | NPT | 1 | 25 | BRASS |
| 2303641 | I8A9C828-032042 | 1 1/4 | NPT | 1 1/4 | 32 | BRASS |
| 2303642 | I8A9C828-038049 | 1 1/2 | NPT | 1 1/2 | 38 | BRASS |
| 2303643 | I8A9C828-051060 | 2 | NPT | 2 | 51 | BRASS |
| 2303644 | I8A9C828-063076 | 2 1/2 | NPT | 2 1/2 | 63 | BRASS |
| 2303645 | I8A9C828-076090 | 3 | NPT | 3 | 76 | BRASS |
| 2303646 | I8A9C828-102114 | 4 | NPT | 4 | 102 | BRASS |
| 2303647 | I8A9C828-127140 | 5 | NPT | 5 | 127 | BRASS |
| 2303648 | I8A9C828-152165 | 6 | NPT | 6 | 152 | BRASS |



| Item Code | Part Number | Thread in | Thread type | Head DN in | Head DN mm | Material |
|-----------|-----------------|-----------|-------------|------------|------------|----------|
| 2303660 | IPA9C828-013021 | 1/2 | NPT | 1/2 | 13 | PP |
| 2303661 | IPA9C828-019027 | 1/4 | NPT | 1/4 | 19 | PP |
| 2303662 | IPA9C828-025034 | 1 | NPT | 1 | 25 | PP |
| 2303663 | IPA9C828-032042 | 1 1/4 | NPT | 1 1/4 | 32 | PP |
| 2303664 | IPA9C828-038049 | 1 1/2 | NPT | 1 1/2 | 38 | PP |
| 2303665 | IPA9C828-051060 | 2 | NPT | 2 | 51 | PP |
| 2303667 | IPA9C828-076090 | 3 | NPT | 3 | 76 | PP |
| 2303668 | IPA9C828-102114 | 4 | NPT | 4 | 102 | PP |

CAM & GROOVE MIL C - 27.487

Type DC - Female dust cap for adapter



| Item Code | Part Number | Head DN in | Head DN mm | Material |
|-----------|--------------|------------|------------|-----------|
| 2303254 | I5A9C900-013 | 1/2 | 13 | ALUMINIUM |
| 2301967 | I5A9C900-019 | 3/4 | 19 | ALUMINIUM |
| 2300200 | I5A9C900-025 | 1 | 25 | ALUMINIUM |
| 2300201 | I5A9C900-032 | 1 1/4 | 32 | ALUMINIUM |
| 2301968 | I5A9C900-038 | 1 1/2 | 38 | ALUMINIUM |
| 2301969 | I5A9C900-051 | 2 | 51 | ALUMINIUM |
| 2301970 | I5A9C900-063 | 2 1/2 | 63 | ALUMINIUM |
| 2301971 | I5A9C900-076 | 3 | 76 | ALUMINIUM |
| 2301972 | I5A9C900-102 | 4 | 102 | ALUMINIUM |
| 2302712 | I5A9C900-127 | 5 | 127 | ALUMINIUM |
| 2302713 | I5A9C900-152 | 6 | 152 | ALUMINIUM |
| 2303756 | I5A9C900-203 | 8 | 203 | ALUMINIUM |



| Item Code | Part Number | Head DN in | Head DN mm | Material |
|-----------|--------------|------------|------------|----------|
| 2303256 | I3A9C900-013 | 1/2 | 13 | S/S 316 |
| 2301973 | I3A9C900-019 | 3/4 | 19 | S/S 316 |
| 2301546 | I3A9C900-025 | 1 | 25 | S/S 316 |
| 2302612 | I3A9C900-032 | 1 1/4 | 32 | S/S 316 |
| 2302613 | I3A9C900-038 | 1 1/2 | 38 | S/S 316 |
| 2302225 | I3A9C900-051 | 2 | 51 | S/S 316 |
| 2302614 | I3A9C900-063 | 2 1/2 | 63 | S/S 316 |
| 2302615 | I3A9C900-076 | 3 | 76 | S/S 316 |
| 2302616 | I3A9C900-102 | 4 | 102 | S/S 316 |
| 2303761 | I3A9C900-127 | 5 | 127 | S/S 316 |
| 2302617 | I3A9C900-152 | 6 | 152 | S/S 316 |



| Item Code | Part Number | Head DN in | Head DN mm | Material |
|-----------|--------------|------------|------------|----------|
| 2303255 | I8A9C900-013 | 1/2 | 13 | BRASS |
| 2302797 | I8A9C900-019 | 3/4 | 19 | BRASS |
| 2302798 | I8A9C900-025 | 1 | 25 | BRASS |
| 2302799 | I8A9C900-032 | 1 1/4 | 32 | BRASS |
| 2302800 | I8A9C900-038 | 1 1/2 | 38 | BRASS |
| 2302226 | I8A9C900-051 | 2 | 51 | BRASS |
| 2302801 | I8A9C900-063 | 2 1/2 | 63 | BRASS |
| 2302227 | I8A9C900-076 | 3 | 76 | BRASS |
| 2302802 | I8A9C900-102 | 4 | 102 | BRASS |
| 2303758 | I8A9C900-127 | 5 | 127 | BRASS |
| 2303759 | I8A9C900-152 | 6 | 152 | BRASS |



| Item Code | Part Number | Head DN in | Head DN mm | Material |
|-----------|--------------|------------|------------|----------|
| 2303313 | IPA9C900-013 | 1/2 | 13 | PP |
| 2303314 | IPA9C900-019 | 3/4 | 19 | PP |
| 2303315 | IPA9C900-025 | 1 | 25 | PP |
| 2303316 | IPA9C900-032 | 1 1/4 | 32 | PP |
| 2303317 | IPA9C900-038 | 1 1/2 | 38 | PP |
| 2303318 | IPA9C900-051 | 2 | 51 | PP |
| 2303320 | IPA9C900-076 | 3 | 76 | PP |
| 2303321 | IPA9C900-102 | 4 | 102 | PP |

CAM & GROOVE MIL C - 27.487

Type DP - Male dust plug for coupler



| Item Code | Part Number | Head DN in | Head DN mm | Material |
|-----------|--------------|------------|------------|-----------|
| 2303257 | I5A9C700-013 | 1/2 | 13 | ALUMINIUM |
| 2301979 | I5A9C700-019 | 3/4 | 19 | ALUMINIUM |
| 2300967 | I5A9C700-025 | 1 | 25 | ALUMINIUM |
| 2302707 | I5A9C700-032 | 1 1/4 | 32 | ALUMINIUM |
| 2301982 | I5A9C700-038 | 1 1/2 | 38 | ALUMINIUM |
| 2301983 | I5A9C700-051 | 2 | 51 | ALUMINIUM |
| 2301985 | I5A9C700-063 | 2 1/2 | 63 | ALUMINIUM |
| 2301986 | I5A9C700-076 | 3 | 76 | ALUMINIUM |
| 2302708 | I5A9C700-102 | 4 | 102 | ALUMINIUM |
| 2302709 | I5A9C700-127 | 5 | 127 | ALUMINIUM |
| 2301988 | I5A9C700-152 | 6 | 152 | ALUMINIUM |



| Item Code | Part Number | Head DN in | Head DN mm | Material |
|-----------|--------------|------------|------------|----------|
| 2303237 | I3A9C700-013 | 1/2 | 13 | S/S 316 |
| 2302605 | I3A9C700-019 | 3/4 | 19 | S/S 316 |
| 2302606 | I3A9C700-025 | 1 | 25 | S/S 316 |
| 2302607 | I3A9C700-032 | 1 1/4 | 32 | S/S 316 |
| 2301746 | I3A9C700-038 | 1 1/2 | 38 | S/S 316 |
| 2302608 | I3A9C700-051 | 2 | 51 | S/S 316 |
| 2301989 | I3A9C700-063 | 2 1/2 | 63 | S/S 316 |
| 2301747 | I3A9C700-076 | 3 | 76 | S/S 316 |
| 2302609 | I3A9C700-102 | 4 | 102 | S/S 316 |
| 2302610 | I3A9C700-152 | 6 | 152 | S/S 316 |



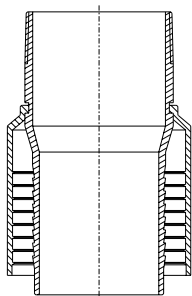
| Item Code | Part Number | Head DN in | Head DN mm | Material |
|-----------|--------------|------------|------------|----------|
| 2303258 | I8A9C700-013 | 1/2 | 13 | BRASS |
| 2302792 | I8A9C700-019 | 3/4 | 19 | BRASS |
| 2302793 | I8A9C700-025 | 1 | 25 | BRASS |
| 2302794 | I8A9C700-032 | 1 1/4 | 32 | BRASS |
| 2302795 | I8A9C700-038 | 1 1/2 | 38 | BRASS |
| 2302228 | I8A9C700-051 | 2 | 51 | BRASS |
| 2302229 | I8A9C700-063 | 2 1/2 | 63 | BRASS |
| 2302230 | I8A9C700-076 | 3 | 76 | BRASS |
| 2302231 | I8A9C700-102 | 4 | 102 | BRASS |
| 2302796 | I8A9C700-127 | 5 | 127 | BRASS |
| 2303782 | I8A9C700-152 | 6 | 152 | BRASS |



| Item Code | Part Number | Head DN in | Head DN mm | Material |
|-----------|--------------|------------|------------|----------|
| 2303322 | IPA9C700-013 | 1/2 | 13 | PP |
| 2303323 | IPA9C700-019 | 3/4 | 19 | PP |
| 2303324 | IPA9C700-025 | 1 | 25 | PP |
| 2303325 | IPA9C700-032 | 1 1/4 | 32 | PP |
| 2303326 | IPA9C700-038 | 1 1/2 | 38 | PP |
| 2303327 | IPA9C700-051 | 2 | 51 | PP |
| 2303329 | IPA9C700-076 | 3 | 76 | PP |
| 2303330 | IPA9C700-102 | 4 | 102 | PP |

COMBINATION NIPPLE

Male NPT complete with pre-crimped ferrule - heavy duty



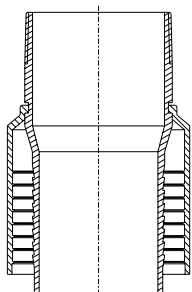
| Item Code | Part Number | Hose ID in | Hose ID mm | Thread in | Thread type | Hose OD min-MAX mm | Material |
|-----------|-----------------|------------|------------|-----------|-------------|--------------------|--------------|
| 2302332 | I1728M00-076090 | 3 | 76 | 3 | NPT | 88-102 | PLATED STEEL |
| 2302333 | I1728M00-102114 | 4 | 102 | 4 | NPT | 114-128 | PLATED STEEL |
| 2302334 | I1728M00-127140 | 5 | 127 | 5 | NPT | 139-153 | PLATED STEEL |
| 2302335 | I1728M00-152165 | 6 | 152 | 6 | NPT | 166-184 | PLATED STEEL |

Stainless Steel version available on request

FOR MALE NPT FITTING DN<76mm, PLEASE REFER TO HYDRAULIC RANGE H1212810, RECOMMENDED WITH HYDRAULIC FERRULE H1200203

COMBINATION NIPPLE

Male BSPT complete with pre-crimped ferrule - heavy duty



| Item Code | Part Number | Hose ID in | Hose ID mm | Thread in | Thread type | Hose OD min-MAX mm | Material |
|-----------|-----------------|------------|------------|-----------|-------------|--------------------|--------------|
| 2302324 | I1707M00-076090 | 3 | 76 | 3 | BSPT | 88-102 | PLATED STEEL |
| 2302325 | I1707M00-102114 | 4 | 102 | 4 | BSPT | 114-128 | PLATED STEEL |
| 2302326 | I1707M00-127140 | 5 | 127 | 5 | BSPT | 139-153 | PLATED STEEL |
| 2302007 | I1707M00-152165 | 6 | 152 | 6 | BSPT | 166-184 | PLATED STEEL |

Stainless Steel version available on request

FOR MALE BSPT FITTING DN<76mm, PLEASE REFER TO HYDRAULIC RANGE H1210710, RECOMMENDED WITH HYDRAULIC FERRULE H1200203

COMBINATION NIPPLE

Hose mender

FOR DN<76 mm PLEASE REFER TO HYDRAULIC RANGE.

FOR HIGHER DIAMETERS, HOSE MENDERS WITH PRE-CRIMPED FERRULE ARE AVAILABLE ON REQUEST.

HAMMER LUG UNION - FIG. 100

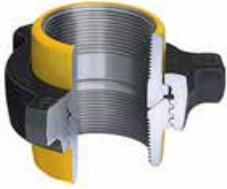
NPT Threaded - 3 Pieces (female/male/nut)

Colour: Black nut, yellow subs

Use: Recommended for air, water and oil services up to 1000 psi in manifold and line connections

Sealing: Metal to metal sealing surface

Pressure (cold working): 1.000 psi



| Item Code | Part Number | NPT Thread in | Material |
|-----------|-----------------|---------------|--------------------------------|
| 2306831 | I1TC66C6-051051 | 2 | ASTM A-105 Forged Carbon Steel |
| 2306830 | I1TC66C6-076076 | 3 | ASTM A-105 Forged Carbon Steel |
| 2303955 | I1TC66C6-102102 | 4 | ASTM A-105 Forged Carbon Steel |
| 2303956 | I1TC66C6-127127 | 5 | ASTM A-105 Forged Carbon Steel |
| 2303957 | I1TC66C6-152152 | 6 | ASTM A-105 Forged Carbon Steel |

HAMMER LUG UNION - FIG. 200

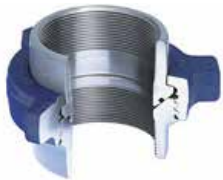
NPT Threaded - 3 Pieces (female/male/nut)

Colour: Blue nut, grey subs

Use: Recommended for air, water and oil services up to 2000 psi in manifold and line connections

Sealing: Metal to metal sealing surface

Pressure (cold working): 2.000 psi



| Item Code | Part Number | NPT Thread in | Material |
|-----------|-----------------|---------------|--------------------------------|
| 2303958 | I1TC96C9-051051 | 2 | ASTM A-105 Forged Carbon Steel |
| 2306567 | I1TC96C9-076076 | 3 | ASTM A-105 Forged Carbon Steel |
| 2306568 | I1TC96C9-102102 | 4 | ASTM A-105 Forged Carbon Steel |
| 2306569 | I1TC96C9-152152 | 6 | ASTM A-105 Forged Carbon Steel |

HAMMER LUG UNION - FIG. 602

NPT Threaded - 3 Pieces (female/male/nut)

Colour: Black nut, orange subs

Use: Recommended for water, oil, gas and mud services up to 6000 psi

Sealing: Replaceable, Lip type rubber seal provides primary sealing

Pressure (cold working): 6.000 psi



| Item Code | Part Number | NPT Thread in | Material |
|-----------|-----------------|---------------|-----------------------|
| 2306573 | I1TE26E2-025025 | 1 | Alloy Steel AISI 1040 |
| 2306832 | I1TE26E2-051051 | 2 | Alloy Steel AISI 1040 |
| 2306834 | I1TE26E2-076076 | 3 | Alloy Steel AISI 1040 |
| 2306833 | I1TE26E2-102102 | 4 | Alloy Steel AISI 1040 |

HAMMER LUG UNION - FIG. 1502

NPT Threaded - 3 Pieces (female/male/nut)

Colour: Blue nut, red subs

Use: Recommended for cementing, acidizing, fracturing, testing and choke and kill lines

Sealing: Replaceable Lip type rubber seal

Pressure (cold working): 15.000 psi



| Item Code | Part Number | NPT Thread in | Material |
|-----------|-----------------|---------------|-----------------------|
| 2306257 | I1TE16E1-051051 | 2 | Alloy Steel AISI 4130 |
| 2306899 | I1TE16E1-076076 | 3 | Alloy Steel AISI 4130 |
| 2306900 | I1TE16E1-102102 | 4 | Alloy Steel AISI 4130 |

DRY DISCONNECT COUPLING

Alfagomma offers a wide range of dry disconnect couplings.

Major offshore exploration, chemical and petro chemical companies rely on dry-disconnect couplings to safely transfer their most aggressive, hazardous or valuable liquids.

Designed for safety and ease of use with minimum operator intervention, the self sealing design of the couplings guarantees both the maximum level of safety and the fastest way of connecting-disconnecting.

The installation of dry-disconnect couplings can transform your operation by offering the following benefits:

- Accidental spillage eliminated
- Time saving, no need to drain hoses or pipe systems
- Reduces the possibility of human error in transfer operations
- Improves efficiency

2" Dry-Disconnect

Dimensions: DN40 - DN50, Ø70 mm

Materials: Aluminium alloy, Stainless Steel, brass, Hastelloy, others on request

Seals: A full range of elastomeric seals available.

Connections: BSP, NPT, Flanged

2" coupling size probably covers the most diverse selection of applications.

Available in a range of material and connection configurations, dry-disconnect 2" coupling is designed for quick and safe transfers. Offshore chemical dosing and aggressive chemical vapour transfer are just some of the challenging applications these couplings are designed for.



4" Dry-Disconnect

Dimensions: DN 100, ø 164 mm

Materials: Aluminium alloy, Stainless Steel, brass, Hastelloy, others on request

Seals: A full range of elastomeric seals available.

Connections: BSP, NPT, Flanged

4" coupling is extensively used for offshore ship to rig transfers of fuels and drinking water, aviation fuel bunkering, rail tank loading/discharge, chemicals etc.

Fast, positive connection and disconnection make dry-disconnect 4" coupling the standard for barge to ferry re-fuelling and multiple rail tank discharge.



6" Dry-Disconnect

Dimensions: DN 150, ø 238 mm

Materials: Aluminium alloy, Stainless Steel, brass, Hastelloy, others on request

Seals: A full range of elastomeric seals available.

Connections: BSP, NPT, Flanged

6" coupling is the ideal ship/barge to shore connection.

Much faster and safer than any flange coupling means not only environmental standards compliance but real turn around time savings.

Full marine construction with rotating lifting loop as standard.

As with all dry-disconnect couplings, the 6" is equally suitable for flexible hose or loading arm applications.



SAFETY BREAK-AWAY COUPLING

Safety Break-away couplings are used to prevent pull away accidents: the internal valves will close the flow in both lines and prevent unwanted release of the media.

Marine and offshore applications include, ship to rig fluid transfer, ship to shore and ship to ship transfer, bunkering refueling.

Safety Break-away couplings are available as ANSI/DIN flanges or BSP/NPT threaded, with sizes from 1" (DN25) to 12" (DN300) and 10/16/25 bar working pressure.



FIXED FLANGE

Serrated hose shank



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose shank | Material Flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| 2302340 | I17BD61A-038038 | 1 1/2 | 38 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2302341 | I17BD61A-051051 | 2 | 51 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2302011 | I17BD61A-063063 | 2 1/2 | 63 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2303002 | I17BD61A-075075 | 3 | 76 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2303003 | I17BD61A-100100 | 4 | 102 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2303004 | I17BD61A-125125 | 5 | 127 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2303005 | I17BD61A-150150 | 6 | 152 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2304547 | I17BD61A-200200 | 8 | 203 | PN 16 | PLATED STEEL | PLATED STEEL |

Stainless Steel version available on request
 TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose shank | Material Flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| 2302353 | I17BE67B-038038 | 1 1/2 | 38 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2302354 | I17BE67B-051051 | 2 | 51 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2302355 | I17BE67B-063063 | 2 1/2 | 63 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2303006 | I17BE67B-075075 | 3 | 76 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2303007 | I17BE67B-100100 | 4 | 102 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2303008 | I17BE67B-125125 | 5 | 127 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2303009 | I17BE67B-150150 | 6 | 152 | ASA 150 | PLATED STEEL | PLATED STEEL |
| | I17BE67B-200200 | 8 | 203 | ASA 150 | PLATED STEEL | PLATED STEEL |

Stainless Steel version available on request
 TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)

SWIVEL FLANGE

Serrated hose shank



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose shank | Material Flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| 2301291 | I17BD72A-038038 | 1 1/2 | 38 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2302014 | I17BD72A-051051 | 2 | 51 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2301135 | I17BD72A-063063 | 2 1/2 | 63 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2301136 | I17BD72A-075075 | 3 | 76 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2301137 | I17BD72A-100100 | 4 | 102 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2303011 | I17BD72A-125125 | 5 | 127 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2301138 | I17BD72A-150150 | 6 | 152 | PN 16 | PLATED STEEL | PLATED STEEL |
| 2301166 | I17BD72A-200200 | 8 | 203 | PN 16 | PLATED STEEL | PLATED STEEL |

TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose shank | Material Flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| 2304578 | I37BD72A-032032 | 1 1/4 | 32 | PN 16 | S/S 316 | S/S 316 |
| 2306694 | I37BD72A-038038 | 1 1/2 | 38 | PN 16 | S/S 316 | S/S 316 |
| 2302549 | I37BD72A-051051 | 2 | 51 | PN 16 | S/S 316 | S/S 316 |
| 2303010 | I37BD72A-063063 | 2 1/2 | 63 | PN 16 | S/S 316 | S/S 316 |
| 2303012 | I37BD72A-075075 | 3 | 76 | PN 16 | S/S 316 | S/S 316 |
| 2303013 | I37BD72A-100100 | 4 | 102 | PN 16 | S/S 316 | S/S 316 |
| 2306495 | I37BD72A-150150 | 6 | 152 | PN 16 | S/S 316 | S/S 316 |

TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose shank | Material Flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| 2302356 | I17BE79A-038038 | 1 1/2 | 38 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2302357 | I17BE79A-051051 | 2 | 51 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2302358 | I17BE79A-063063 | 2 1/2 | 63 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2303014 | I17BE79A-075075 | 3 | 76 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2303015 | I17BE79A-100100 | 4 | 102 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2303016 | I17BE79A-125125 | 5 | 127 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2303017 | I17BE79A-150150 | 6 | 152 | ASA 150 | PLATED STEEL | PLATED STEEL |
| | I17BE79A-200200 | 8 | 203 | ASA 150 | PLATED STEEL | PLATED STEEL |

TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose shank | Material Flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| 2302552 | I37BE79A-051051 | 2 | 51 | ASA 150 | S/S 316 | S/S 316 |
| 2303018 | I37BE79A-063063 | 2 1/2 | 63 | ASA 150 | S/S 316 | S/S 316 |
| 2303019 | I37BE79A-075075 | 3 | 76 | ASA 150 | S/S 316 | S/S 316 |
| 2303020 | I37BE79A-100100 | 4 | 102 | ASA 150 | S/S 316 | S/S 316 |
| 2304557 | I37BE79A-150150 | 6 | 152 | ASA 150 | S/S 316 | S/S 316 |

TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)

BUILT-IN FITTING

These metal fittings are built into the hose ends during manufacturing and form an integral part of the whole assembly. They are chemically bonded into the hose and mechanically secured to the reinforcement plies and to the embedded steel helix, where present.

Flange material: Hot deep zinc plated carbon steel

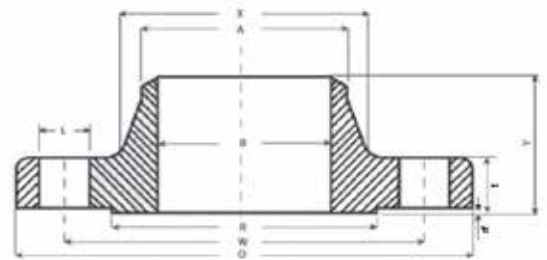
AVAILABLE ON REQUEST:

- Raised Face (RF) or Flat Face (FF) flange
- Flange complete with non sparking brass ring
- Built-in fittings with UNI PN 10/16 flange
- Stainless steel AISI 316 Built-in fittings
- Fittings according to OCIMF



FIXED FLANGE - WELDING NECK RAISED FACE

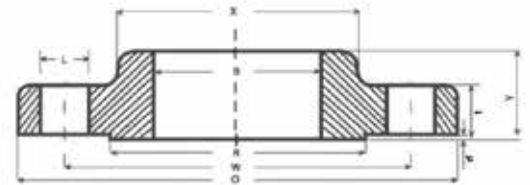
ASME B 16.5 ASA 150 Flange Built-in fitting



| Fittings | | | | Flange | | | | | | | | | |
|-----------|-----------------|------------|--------------|--------|------|-------|-------|-------|-------|-------|-------|---------|------|
| Item Code | Part Number | Hose ID mm | Flange DN in | O mm | t mm | R mm | X mm | A mm | B mm | Y mm | W mm | Hole n° | L mm |
| | I1VBE66B-102102 | 102 | 4 | 228,6 | 23,8 | 157,2 | 134,9 | 114,3 | 102,4 | 76,2 | 190,5 | 8 | 19,0 |
| 2303980 | I1VBE66B-152152 | 152 | 6 | 279,4 | 25,4 | 215,9 | 192,1 | 168,4 | 154,2 | 88,9 | 241,3 | 8 | 22,2 |
| 2303948 | I1VBE66B-203203 | 203 | 8 | 342,9 | 28,6 | 269,8 | 246,1 | 219,1 | 202,7 | 101,6 | 298,4 | 8 | 22,2 |
| 2303949 | I1VBE66B-254254 | 254 | 10 | 406,4 | 30,2 | 323,8 | 304,8 | 273,0 | 254,5 | 101,6 | 361,9 | 12 | 25,4 |
| 2303950 | I1VBE66B-300300 | 300 | 12 | 482,6 | 31,7 | 381,0 | 365,1 | 323,8 | 304,8 | 114,3 | 431,8 | 12 | 25,4 |

FIXED FLANGE - SLIP-ON RAISED FACE

ASME B 16.5 ASA 150 Flange Built-in fitting



| Fittings | | | | Flange | | | | | | | | | |
|-----------|-----------------|------------|--------------|--------|------|-------|-------|-------|------|-------|---------|------|--|
| Item Code | Part Number | Hose ID mm | Flange DN in | O mm | t mm | R mm | X mm | B mm | Y mm | W mm | Hole n° | L mm | |
| | I1VBE67B-102102 | 102 | 4 | 228,6 | 23,8 | 157,2 | 134,9 | 116,1 | 33,3 | 190,5 | 8 | 19,0 | |
| | I1VBE67B-152152 | 152 | 6 | 279,4 | 25,4 | 215,9 | 192,1 | 170,7 | 39,7 | 241,3 | 8 | 22,2 | |
| | I1VBE67B-203203 | 203 | 8 | 342,9 | 28,6 | 269,8 | 246,1 | 221,5 | 44,4 | 298,4 | 8 | 22,2 | |
| | I1VBE67B-254254 | 254 | 10 | 406,4 | 30,2 | 323,8 | 304,8 | 276,3 | 49,2 | 361,9 | 12 | 25,4 | |
| | I1VBE67B-300300 | 300 | 12 | 482,6 | 31,7 | 381,0 | 365,1 | 327,1 | 55,6 | 431,8 | 12 | 25,4 | |

SWIVEL FLANGE - LAP JOINT

ASME B 16.5 ASA 150 Flange

Built-in fitting



| Fittings | | | | Flange | | | | | | | | | |
|-----------|-----------------|------------|--------------|--------|------|-------|-------|------|------|-------|---------|------|--|
| Item Code | Part Number | Hose ID mm | Flange DN in | O mm | t mm | X mm | B mm | Y mm | r mm | W mm | Hole n° | L mm | |
| | I1VBE79A-102102 | 102 | 4 | 228,6 | 23,8 | 134,9 | 116,8 | 33,3 | 11,1 | 190,5 | 8 | 19,0 | |
| 2303983 | I1VBE79A-152152 | 152 | 6 | 279,4 | 25,4 | 192,1 | 171,4 | 39,7 | 12,7 | 241,3 | 8 | 22,2 | |
| 2303951 | I1VBE79A-203203 | 203 | 8 | 342,9 | 28,6 | 246,1 | 222,2 | 44,4 | 12,7 | 298,4 | 8 | 22,2 | |
| 2303952 | I1VBE79A-254254 | 254 | 10 | 406,4 | 30,2 | 304,8 | 277,4 | 49,2 | 12,7 | 361,9 | 12 | 25,4 | |
| 2303984 | I1VBE79A-300300 | 300 | 12 | 482,6 | 31,7 | 365,1 | 328,2 | 55,6 | 12,7 | 431,8 | 12 | 25,4 | |

COMBINATION NIPPLE

Male BSPP - Helical hose shank for composite hose



| Item Code | Part Number | Hose ID mm | Thread in | Thread type | Material |
|-----------|-----------------|------------|-----------|-------------|-----------|
| 2304567 | I5206100-025034 | 25 | 1 | BSPP | ALUMINIUM |
| 2300740 | I5206100-040049 | 40 | 1 1/2 | BSPP | ALUMINIUM |
| 2300741 | I5206100-050060 | 50 | 2 | BSPP | ALUMINIUM |
| 2300742 | I5206100-065076 | 65 | 2 1/2 | BSPP | ALUMINIUM |
| 2300743 | I5206100-080090 | 80 | 3 | BSPP | ALUMINIUM |
| 2300744 | I5206100-100114 | 100 | 4 | BSPP | ALUMINIUM |

| Item Code | Part Number | Hose ID mm | Thread in | Thread type | Material |
|-----------|-----------------|------------|-----------|-------------|--------------|
| | I1206100-150165 | 150 | 6 | BSPP | PLATED STEEL |
| | I1206100-200219 | 200 | 8 | BSPP | PLATED STEEL |



| Item Code | Part Number | Hose ID mm | Thread in | Thread type | Material |
|-----------|-----------------|------------|-----------|-------------|----------|
| 2300729 | I3206100-025034 | 25 | 1 | BSPP | S/S 316 |
| 2300730 | I3206100-032042 | 32 | 1 1/4 | BSPP | S/S 316 |
| 2300731 | I3206100-040049 | 40 | 1 1/2 | BSPP | S/S 316 |
| 2300732 | I3206100-050060 | 50 | 2 | BSPP | S/S 316 |
| 2300733 | I3206100-065076 | 65 | 2 1/2 | BSPP | S/S 316 |
| 2300734 | I3206100-080090 | 80 | 3 | BSPP | S/S 316 |
| 2300735 | I3206100-100114 | 100 | 4 | BSPP | S/S 316 |
| | I3206100-150165 | 150 | 6 | BSPP | S/S 316 |
| | I3206100-200219 | 200 | 8 | BSPP | S/S 316 |



| Item Code | Part Number | Hose ID mm | Thread in | Thread type | Material |
|-----------|-----------------|------------|-----------|-------------|----------|
| | I7206100-025034 | 25 | 1 | BSPP | BRONZE |
| | I7206100-032042 | 32 | 1 1/4 | BSPP | BRONZE |
| | I7206100-040049 | 40 | 1 1/2 | BSPP | BRONZE |
| | I7206100-050060 | 50 | 2 | BSPP | BRONZE |
| | I7206100-065076 | 65 | 2 1/2 | BSPP | BRONZE |
| | I7206100-080090 | 80 | 3 | BSPP | BRONZE |
| | I7206100-100114 | 100 | 4 | BSPP | BRONZE |



| Item Code | Part Number | Hose ID mm | Thread in | Thread type | Material |
|-----------|-----------------|------------|-----------|-------------|----------|
| 2300711 | IP206100-040049 | 40 | 1 1/2 | BSPP | PP |
| 2300712 | IP206100-050060 | 50 | 2 | BSPP | PP |
| | IP206100-065076 | 65 | 2 1/2 | BSPP | PP |
| 2300713 | IP206100-080090 | 80 | 3 | BSPP | PP |
| 2300714 | IP206100-100114 | 100 | 4 | BSPP | PP |

COMBINATION NIPPLE

Male NPT - Helical hose shank for composite hose



| Item Code | Part Number | Hose ID mm | Thread in | Thread type | Material |
|-----------|-----------------|------------|-----------|-------------|--------------|
| | I1228100-050060 | 50 | 2 | NPT | PLATED STEEL |
| | I1228100-080090 | 80 | 3 | NPT | PLATED STEEL |
| | I1228100-100114 | 100 | 4 | NPT | PLATED STEEL |



| Item Code | Part Number | Hose ID mm | Thread in | Thread type | Material |
|-----------|-----------------|------------|-----------|-------------|----------|
| | I3228100-050060 | 50 | 2 | NPT | S/S 316 |
| | I3228100-080090 | 80 | 3 | NPT | S/S 316 |
| 2306670 | I3228100-100114 | 100 | 4 | NPT | S/S 316 |

FIXED FLANGE

Helical hose shank for composite hose



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose Shank | Material flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| 2301253 | I12BD66B-040040 | 1 1/2 | 40 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| 2301254 | I12BD66B-050050 | 2 | 50 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| 2301256 | I12BD66B-080080 | 3 | 80 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| 2301257 | I12BD66B-100100 | 4 | 100 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| | I12BD66B-150150 | 6 | 150 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| | I12BD66B-200200 | 8 | 200 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| | I12BD66B-250250 | 10 | 250 | PN 10/16 | PLATED STEEL | PLATED STEEL |



| | | | | | | |
|---------|-----------------|-------|-----|----------|---------|---------|
| | I32BD66B-040040 | 1 1/2 | 40 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD66B-050050 | 2 | 50 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD66B-080080 | 3 | 80 | PN 10/16 | S/S 316 | S/S 316 |
| 2304576 | I32BD66B-100100 | 4 | 100 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD66B-150150 | 6 | 150 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD66B-200200 | 8 | 200 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD66B-250250 | 10 | 250 | PN 10/16 | S/S 316 | S/S 316 |



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose Shank | Material flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| | I12BE66B-040040 | 1 1/2 | 40 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2300062 | I12BE66B-050050 | 2 | 50 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2300064 | I12BE66B-080080 | 3 | 80 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2300065 | I12BE66B-100100 | 4 | 100 | ASA 150 | PLATED STEEL | PLATED STEEL |
| | I12BE66B-150150 | 6 | 150 | ASA 150 | PLATED STEEL | PLATED STEEL |
| | I12BE66B-200200 | 8 | 200 | ASA 150 | PLATED STEEL | PLATED STEEL |
| | I12BE66B-250250 | 10 | 250 | ASA 150 | PLATED STEEL | PLATED STEEL |



| | | | | | | |
|---------|-----------------|-------|-----|---------|---------|---------|
| | I32BE66B-040040 | 1 1/2 | 40 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE66B-050050 | 2 | 50 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE66B-080080 | 3 | 80 | ASA 150 | S/S 316 | S/S 316 |
| 2301308 | I32BE66B-100100 | 4 | 100 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE66B-150150 | 6 | 150 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE66B-200200 | 8 | 200 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE66B-250250 | 10 | 250 | ASA 150 | S/S 316 | S/S 316 |

SWIVEL FLANGE

Helical hose shank for composite hose



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose Shank | Material flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| 2300000 | I12BD72A-040040 | 1 1/2 | 40 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| 2300001 | I12BD72A-050050 | 2 | 50 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| 2300002 | I12BD72A-065065 | 2 1/2 | 65 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| 2300003 | I12BD72A-080080 | 3 | 80 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| 2300004 | I12BD72A-100100 | 4 | 100 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| | I12BD72A-150150 | 6 | 150 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| | I12BD72A-200200 | 8 | 200 | PN 10/16 | PLATED STEEL | PLATED STEEL |
| | I12BD72A-250250 | 10 | 250 | PN 10/16 | PLATED STEEL | PLATED STEEL |



| | | | | | | |
|--|-----------------|-------|-----|----------|---------|--------------|
| | IA2BD72A-040040 | 1 1/2 | 40 | PN 10/16 | S/S 316 | PLATED STEEL |
| | IA2BD72A-050050 | 2 | 50 | PN 10/16 | S/S 316 | PLATED STEEL |
| | IA2BD72A-080080 | 3 | 80 | PN 10/16 | S/S 316 | PLATED STEEL |
| | IA2BD72A-100100 | 4 | 100 | PN 10/16 | S/S 316 | PLATED STEEL |
| | IA2BD72A-150150 | 6 | 150 | PN 10/16 | S/S 316 | PLATED STEEL |
| | IA2BD72A-200200 | 8 | 200 | PN 10/16 | S/S 316 | PLATED STEEL |
| | IA2BD72A-250250 | 10 | 250 | PN 10/16 | S/S 316 | PLATED STEEL |



| | | | | | | |
|--|-----------------|-------|-----|----------|---------|---------|
| | I32BD72A-040040 | 1 1/2 | 40 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD72A-050050 | 2 | 50 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD72A-080080 | 3 | 80 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD72A-100100 | 4 | 100 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD72A-150150 | 6 | 150 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD72A-200200 | 8 | 200 | PN 10/16 | S/S 316 | S/S 316 |
| | I32BD72A-250250 | 10 | 250 | PN 10/16 | S/S 316 | S/S 316 |



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose Shank | Material flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| | IP2BC72A-050050 | 2 | 50 | PN 10 | PP | PP |
| | IP2BC72A-080080 | 3 | 80 | PN 10 | PP | PP |
| | IP2BC72A-100100 | 4 | 100 | PN 10 | PP | PP |



| Item Code | Part Number | Hose ID in | Hose ID mm | Flange type | Material Hose Shank | Material flange |
|-----------|-----------------|------------|------------|-------------|---------------------|-----------------|
| | I12BE77A-040040 | 1 1/2 | 40 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2300049 | I12BE77A-050050 | 2 | 50 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2300051 | I12BE77A-080080 | 3 | 80 | ASA 150 | PLATED STEEL | PLATED STEEL |
| 2300052 | I12BE77A-100100 | 4 | 100 | ASA 150 | PLATED STEEL | PLATED STEEL |
| | I12BE77A-150150 | 6 | 150 | ASA 150 | PLATED STEEL | PLATED STEEL |
| | I12BE77A-200200 | 8 | 200 | ASA 150 | PLATED STEEL | PLATED STEEL |
| | I12BE77A-250250 | 10 | 250 | ASA 150 | PLATED STEEL | PLATED STEEL |



| | | | | | | |
|--|-----------------|-------|-----|---------|---------|--------------|
| | IA2BE77A-040040 | 1 1/2 | 40 | ASA 150 | S/S 316 | PLATED STEEL |
| | IA2BE77A-050050 | 2 | 50 | ASA 150 | S/S 316 | PLATED STEEL |
| | IA2BE77A-080080 | 3 | 80 | ASA 150 | S/S 316 | PLATED STEEL |
| | IA2BE77A-100100 | 4 | 100 | ASA 150 | S/S 316 | PLATED STEEL |
| | IA2BE77A-150150 | 6 | 150 | ASA 150 | S/S 316 | PLATED STEEL |
| | IA2BE77A-200200 | 8 | 200 | ASA 150 | S/S 316 | PLATED STEEL |
| | IA2BE77A-250250 | 10 | 250 | ASA 150 | S/S 316 | PLATED STEEL |



| | | | | | | |
|--|-----------------|-------|-----|---------|---------|---------|
| | I32BE77A-040040 | 1 1/2 | 40 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE77A-050050 | 2 | 50 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE77A-080080 | 3 | 80 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE77A-100100 | 4 | 100 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE77A-150150 | 6 | 150 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE77A-200200 | 8 | 200 | ASA 150 | S/S 316 | S/S 316 |
| | I32BE77A-250250 | 10 | 250 | ASA 150 | S/S 316 | S/S 316 |

SMOOTH FERRULE FOR COMPOSITE HOSE



| Item Code | Part Number | Hose ID mm | Material |
|-----------|-------------|------------|--------------|
| 2304568 | I105C5-040 | 40 | PLATED STEEL |
| 2300824 | I105C5-050 | 50 | PLATED STEEL |
| 2300896 | I105C5-065 | 65 | PLATED STEEL |
| 2300825 | I105C5-080 | 80 | PLATED STEEL |
| 2304569 | I105C5-100 | 100 | PLATED STEEL |
| | I105C5-150 | 150 | PLATED STEEL |
| | I105C5-200 | 200 | PLATED STEEL |



| Item Code | Part Number | Hose ID mm | Material |
|-----------|-------------|------------|----------|
| 2300848 | I205C5-025 | 25 | S/S 304 |
| 2300849 | I205C5-032 | 32 | S/S 304 |
| 2300850 | I205C5-040 | 40 | S/S 304 |
| 2300851 | I205C5-050 | 50 | S/S 304 |
| 2300852 | I205C5-065 | 65 | S/S 304 |
| 2300853 | I205C5-080 | 80 | S/S 304 |
| 2300854 | I205C5-100 | 100 | S/S 304 |
| | I205C5-150 | 150 | S/S 304 |
| | I205C5-200 | 200 | S/S 304 |



| Item Code | Part Number | Hose ID mm | Material |
|-----------|-------------|------------|-----------|
| 2300891 | I505C5-040 | 40 | ALUMINIUM |
| 2301751 | I505C5-050 | 50 | ALUMINIUM |
| 2300099 | I505C5-065 | 65 | ALUMINIUM |
| 2300917 | I505C5-080 | 80 | ALUMINIUM |
| 2300892 | I505C5-100 | 100 | ALUMINIUM |

CRIMPING GASKET FOR COMPOSITE HOSE



| Item Code | Part Number | Hose ID mm | Material |
|-----------|-------------|------------|----------|
| 2300484 | INJS00-025 | 25 | NBR |
| 2300485 | INJS00-032 | 32 | NBR |
| 2300486 | INJS00-040 | 40 | NBR |
| 2300487 | INJS00-050 | 50 | NBR |
| 2300488 | INJS00-065 | 65 | NBR |
| 2300489 | INJS00-080 | 80 | NBR |
| 2300490 | INJS00-100 | 100 | NBR |
| | INJS00-150 | 150 | NBR |
| | INJS00-200 | 200 | NBR |

GASKETS IN VITON® ARE AVAILABLE ON REQUEST

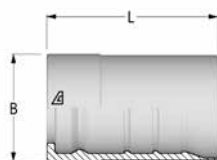
HYDRAULIC FITTINGS

- WATERBLAST INSERT & FERRULE 82
- HYDRAULIC FITTING-HAMMER LUG UNION..... 83-84
- HYDRAULIC FITTING-API THREAD 85
- HYDRAULIC FITTING AND ADAPTOR: REFER TO HYDRAULIC CATALOGUE



H1400200

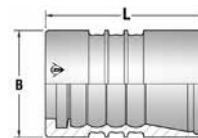
Ferrule for Interlock Fittings
Alfabiotech series
Waterblast WB10
4 spiral



| Item Code | Part Number | Hose ID | Hose ID | Dash | B | L |
|-----------|-----------------|---------|---------|------|----|------|
| 1201571 | H1400200-060000 | 3/8 | 9,5 | 06 | 27 | 49 |
| 1201856 | H1400200-080000 | 1/2 | 12,7 | 08 | 30 | 52,5 |
| 1201502 | H1400200-100000 | 5/8 | 15,9 | 10 | 34 | 57,5 |
| 1201503 | H1400200-120000 | 3/4 | 19 | 12 | 38 | 60,1 |
| 1201504 | H1400200-160000 | 1 | 25,4 | 16 | 46 | 74,6 |
| 1200098 | H1400200-200000 | 1 1/4 | 31,8 | 20 | 55 | 88,1 |
| 1200099 | H1400200-240000 | 1 1/2 | 38,1 | 24 | 62 | 94,1 |
| 1201284 | H1400200-320000 | 2 | 50,8 | 32 | 78 | 99,1 |

D990000

Ferrule for Waterblast WB 15

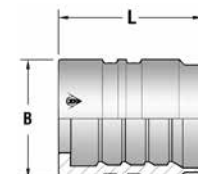


| Item Code | Part Number | Hose ID | Hose ID | Dash | B mm | L mm |
|-----------|-------------|---------|---------|------|------|------|
| 1215264 | D990000-06 | 3/8 | 10,0 | 06 | 28,0 | 47,0 |
| 1223163 | D990000N-08 | 1/2 | 13,0 | 08 | 33,0 | 50,0 |
| 1215266 | D990000-12 | 3/4 | 19,0 | 12 | 41,0 | 63,0 |
| 1215267 | D990000-16 | 1 | 25,4 | 16 | 49,0 | 75,0 |

STAINLESS STEEL VERSION AVAILABLE ON REQUEST

D980000

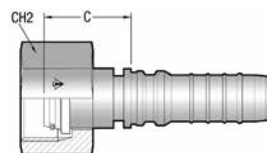
Ferrule for Waterblast WB 20



| Item Code | Part Number | Hose ID | Hose ID | Dash | B mm | L mm |
|-----------|-------------|---------|---------|------|------|------|
| 1215257 | D980000-08 | 1/2 | 13,0 | 08 | 38 | 46,0 |

A99179

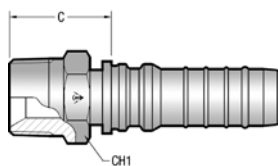
Metric Female 24° cone with O-Ring - Heavy - DIN 3865 DKOS
Slip on nut with relief bore



| Item Code | Hose ID in | Hose ID mm | Dash | Thread mm | C Cut-off mm | CH2 mm |
|-----------|------------|------------|------|-----------|--------------|--------|
| 1214929 | 3/8 | 9,5 | 06 | 22x1,5 | 42,5 | 27 |
| 1214930 | 3/8 | 9,5 | 06 | 24x1,5 | 42,5 | 30 |
| 1214931 | 1/2 | 12,7 | 08 | 24x1,5 | 47,0 | 30 |
| 1214932 | 3/4 | 19,0 | 12 | 36x2 | 64,2 | 46 |
| 1214933 | 1 | 25,4 | 16 | 42x2 | 73,4 | 50 |

990170

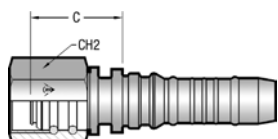
NPTF Male 60°



| Item Code | Hose ID in | Hose ID mm | Dash | Thread in-TPI | Thread Dash | C Cut-off mm | CH1 mm |
|-----------|------------|------------|------|---------------|-------------|--------------|--------|
| 1215271 | 3/8 | 9,5 | 06 | 3/8-18 | 06 | 40,5 | 19 |
| 1215272 | 1/2 | 12,7 | 08 | 1/2-14 | 08 | 42,0 | 22 |
| 1215273 | 3/4 | 19,0 | 12 | 3/4-14 | 12 | 44,0 | 27 |
| 1215274 | 1 | 25,4 | 16 | 1-11 | 16 | 44,5 | 36 |

A99001

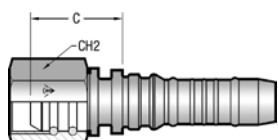
BSP Female 60°



| Item Code | Hose ID in | Hose ID mm | Dash | Thread in-TPI | Thread Dash | C Cut-off mm | CH2 mm |
|-----------|------------|------------|------|---------------|-------------|--------------|--------|
| 1214925 | 3/8 | 9,5 | 06 | 3/8-19 | 06 | 32,0 | 22 |
| 1225828 | 1/2 | 12,7 | 08 | 1/2-14 | 08 | 36,0 | 30 |
| 1214927 | 3/4 | 19,0 | 12 | 3/4-14 | 12 | 37,5 | 36 |

A99061

Type "M" Swivel

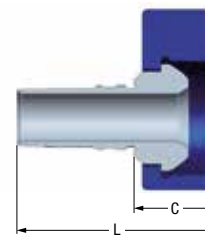


| Item Code | Hose ID in | Hose ID mm | Dash | Thread in-TPI | Thread Dash | C Cut-off mm | CH2 mm |
|--------------|------------|------------|------|---------------|-------------|--------------|--------|
| A99061-10-08 | 1/2 | 12,7 | 08 | 1-12 | 08 | 36,0 | 30 |

FOR FLEXOR R13, FLEXOR 4SH, ALFATECH 5000, ALFABIOTECH 5000 AND FLEXOR RIG™ MINETUFF AND SUPERTUFF COVERS

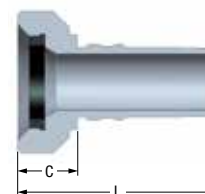
Male Hammer Union Fig. 1502 integral fitting with Lug Nut

| Part Number | Hose ID in | Hose ID mm | DASH | C CUT-OFF mm | L Overall Length mm | Weight kg |
|-----------------|------------|------------|------|--------------|---------------------|-----------|
| H1413F13-323200 | 2 | 51 | 32 | 55,3 | 152 | 6,40 |



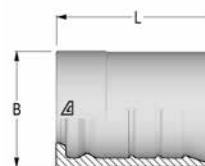
Female Hammer Union Fig. 1502 integral fitting with Rubber Ring

| Part Number | Hose ID in | Hose ID mm | DASH | C CUT-OFF mm | L Overall Length mm | Weight kg |
|-----------------|------------|------------|------|--------------|---------------------|-----------|
| H1423F10-323200 | 2 | 51 | 32 | 51,5 | 148,5 | 2,30 |



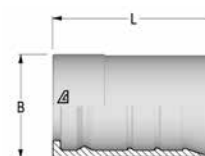
**Interlock ferrule H1400301
Flexor R13, Alfatech 5000, Alfabiotech 5000 and Flexor Rig™**

| Part Number | Hose ID | Hose ID | DASH | B mm | L mm | Weight kg |
|-----------------|---------|---------|------|------|------|-----------|
| H1400301-320000 | 2 | 51 | 32 | 88 | 99 | 1,50 |



**Interlock ferrule H1400200
Flexor 4SH**

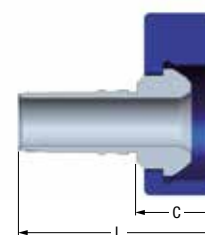
| Part Number | Hose ID | Hose ID | DASH | B mm | L mm | Weight kg |
|-----------------|---------|---------|------|------|------|-----------|
| H1400200-320000 | 2 | 51 | 32 | 78 | 99,1 | 0,95 |



FOR ALFATECH 6000, FLEXOR R13 AND FLEXOR RIG™ MINETUFF AND SUPERTUFF COVERS

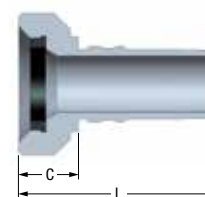
Male Hammer Union Fig. 1502 integral fitting with Lug Nut

| Part Number | Hose ID in | Hose ID mm | DASH | C CUT-OFF mm | L Overall Length mm | Weight kg |
|-----------------|------------|------------|------|--------------|---------------------|-----------|
| H1T13F13-323200 | 2 | 51 | 32 | 55,9 | 162,2 | 6,60 |



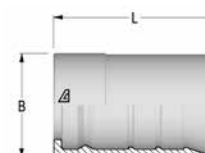
Female Hammer Union Fig. 1502 integral fitting with Rubber Ring

| Part Number | Hose ID in | Hose ID mm | DASH | C CUT-OFF mm | L Overall Length mm | Weight kg |
|-----------------|------------|------------|------|--------------|---------------------|-----------|
| H1T23F10-323200 | 2 | 51 | 32 | 52,4 | 158,7 | 2,60 |



Interlock ferrule H1T00600

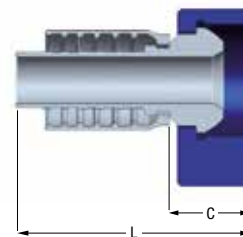
| Part Number | Hose ID | Hose ID | DASH | B mm | L mm | Weight kg |
|-----------------|---------|---------|------|------|-------|-----------|
| H1T00600-320000 | 2 | 51 | 32 | 88,1 | 108,2 | 1,50 |



FOR FLEXOR R13, ALFATECH 5000, ALFABIOTECH 5000 AND FLEXOR RIG™ MINETUFF AND SUPERTUFF COVERS

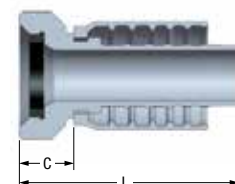
Male Hammer Union Fig. 1502 integral fitting with Lug Nut

| Part Number | Hose ID in | Hose ID mm | DASH | C CUT-OFF mm | L Overall Length mm | Weight kg |
|-----------------|------------|------------|------|--------------|---------------------|-----------|
| C12R13F13-32320 | 2 | 51 | 32 | 60 | 185,5 | 6,60 |



Female Hammer Union Fig. 1502 integral fitting with Rubber Ring

| Part Number | Hose ID in | Hose ID mm | DASH | C CUT-OFF mm | L Overall Length mm | Weight kg |
|-----------------|------------|------------|------|--------------|---------------------|-----------|
| C12R23F10-32320 | 2 | 51 | 32 | 56,5 | 182 | 2,50 |

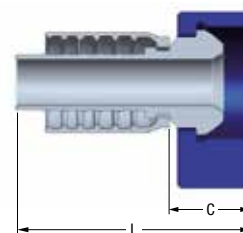


FOR FLEXOR 4SH

MINETUFF AND SUPERTUFF COVERS

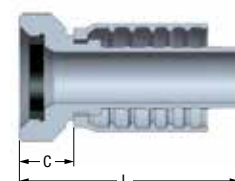
Male Hammer Union Fig. 1502 integral fitting with Lug Nut

| Part Number | Hose ID in | Hose ID mm | DASH | C CUT-OFF mm | L Overall Length mm | Weight kg |
|-----------------|------------|------------|------|--------------|---------------------|-----------|
| C12H13F13-32320 | 2 | 51 | 32 | 60 | 185,5 | 6,60 |



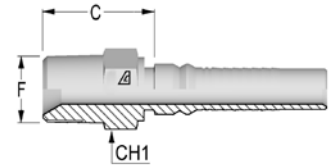
Female Hammer Union Fig. 1502 integral fitting with Rubber Ring

| Part Number | Hose ID in | Hose ID mm | DASH | C CUT-OFF mm | L Overall Length mm | Weight kg |
|-----------------|------------|------------|------|--------------|---------------------|-----------|
| C12H23F10-32320 | 2 | 51 | 32 | 56,5 | 182 | 2,50 |



H141281Z

Firesafe 5000 hose
2 pc. male API interlock
extra long hexagon

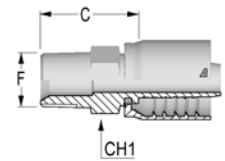


| Part Number | Hose ID in | Hose ID mm | DASH | F Thread in-TPI | F Thread DASH | C CUT-OFF Factor | CH1 mm |
|-----------------|------------|------------|------|-----------------|---------------|------------------|--------|
| H141281Z-161600 | 1 | 25,4 | 16 | 1-11 | 16 | 81,0 | 36 |
| H141281Z-202000 | 1 1/4 | 31,8 | 20 | 1 1/4-11 | 20 | 68,8 | 46 |
| H141281Z-242400 | 1 1/2 | 38,1 | 24 | 1 1/2-11 | 24 | 75,5 | 50 |
| H141281Z-323200 | 2 | 50,8 | 32 | 2-11 | 32 | 95,5 | 65 |

STAINLESS STEEL VERSION AVAILABLE ON REQUEST

C1261281Z

Flexor Rig hose
1 pc. male API
extra long hexagon



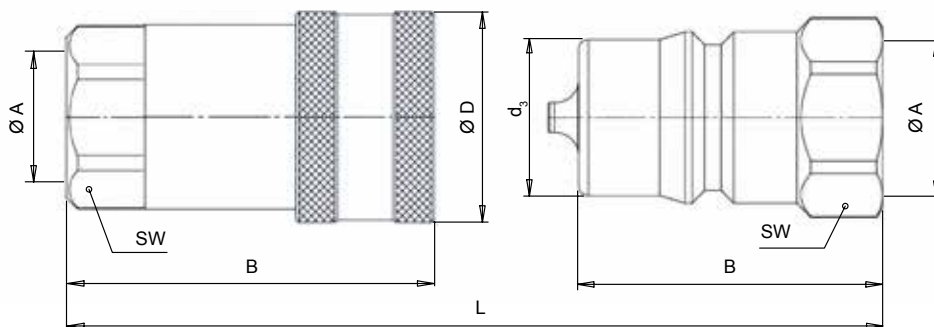
| Part Number | Hose ID in | Hose ID mm | DASH | F Thread in-TPI | F Thread DASH | C CUT-OFF Factor | CH1 mm |
|-----------------|------------|------------|------|-----------------|---------------|------------------|--------|
| C1261281Z-12120 | 3/4 | 19 | 12 | 3/4-14 | 12 | 67,5 | 36 |
| C1261281Z-16160 | 1 | 25,4 | 16 | 1-11 | 16 | 74,6 | 46 |
| C1261281Z-20200 | 1 1/4 | 31,8 | 20 | 1 1/4-11 | 20 | 83,0 | 50 |
| C1261281Z-24240 | 1 1/2 | 38,1 | 24 | 1 1/2-11 | 24 | 114,5 | 65 |
| C1261281Z-32320 | 2 | 50,8 | 32 | 2-11 | 32 | | |

STAINLESS STEEL VERSION AVAILABLE ON REQUEST

QUICK RELEASE COUPLING

- **STANDARD ISO 7241 A** - Poppet SVK-ISO-A 88
- **STANDARD ISO 5675** - Poppet SVK-1H push-pull 89-90
- **STANDARD ISO 5675** - Poppet SPK-1H male connectable under pressure 91
- **STANDARD ISO 16028** - Flat Face FPK 92-93
- **STANDARD ISO 16028** - Flat Face FPP connectable under pressure 94
- **SCREW COUPLING** - Poppet HDK 95-96
- **QUICK CONNECT ADAPTER** 97





STANDARD ISO 7241 A - Poppet SVK-ISO-A

Female coupling - female thread

| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Min BP Conn./ disconn. MPa | Thread | ø A | B mm | ø D mm | L mm | SW mm |
|-----------|-----------------|------|----|--------|------------------------|----------------------------|--------|---------|------|--------|-------|-------|
| | | DASH | DN | inch | | | | | | | | |
| 1219613 | R1QEPAF06F-0404 | -4 | 6 | 1/4" | 35 | 140 | BSPP | 1/4" | 50 | 26 | 74,2 | 19 |
| 1219607 | R1QEPAF06F-0606 | -6 | 10 | 3/8" | 31,5 | 126 | BSPP | 3/8" | 57,1 | 31,5 | 78,5 | 22 |
| 1219617 | R1QEPAF06F-0808 | -8 | 12 | 1/2" | 27 | 108 | BSPP | 1/2" | 66 | 38,5 | 88,2 | 27 |
| 1219609 | R1QEPAF06F-1212 | -12 | 20 | 3/4" | 25 | 100 | BSPP | 3/4" | 82,5 | 48 | 110,4 | 34 |
| 1219619 | R1QEPAF06F-1616 | -16 | 25 | 1" | 20 | 80 | BSPP | 1" | 100 | 56 | 132,9 | 41 |
| 1223504 | R1QEPAF06F-2020 | -20 | 32 | 1 1/4" | 20 | 80 | BSPP | 1 1/4" | 117 | 70 | 150 | 50 |
| 1219620 | R1QEPAF06F-2424 | -24 | 40 | 1 1/2" | 16 | 64 | BSPP | 1 1/2" | 133 | 84,5 | 167 | 60 |
| 1219612 | R1QEPAF28F-0404 | -4 | 6 | 1/4" | 35 | 140 | NPTF | 1/4" | 50 | 26 | 74,2 | 19 |
| 1222491 | R1QEPAF28F-0606 | -6 | 10 | 3/8" | 27 | 108 | NPTF | 3/8" | 57,1 | 31,5 | 78,5 | 22 |
| 1222488 | R1QEPAF28F-0808 | -8 | 12 | 1/2" | 27 | 108 | NPTF | 1/2" | 66 | 38,5 | 88,2 | 27 |
| 1222494 | R1QEPAF28F-1212 | -12 | 20 | 3/4" | 25 | 100 | NPTF | 3/4" | 82,5 | 48 | 110,4 | 34 |
| 1222495 | R1QEPAF28F-1616 | -16 | 25 | 1" | 20 | 80 | NPTF | 1" | 100 | 56 | 132,9 | 41 |
| 1229489 | R1QEPAF28F-2424 | -24 | 40 | 1 1/2" | 16 | 64 | NPTF | 1 1/2" | 133 | 84,5 | 167 | 60 |
| 1229466 | R1QEPAF52F-0822 | -8 | 12 | 1/2" | 27 | 108 | MET | M22x1,5 | 66 | 38,5 | 88,2 | 27 |

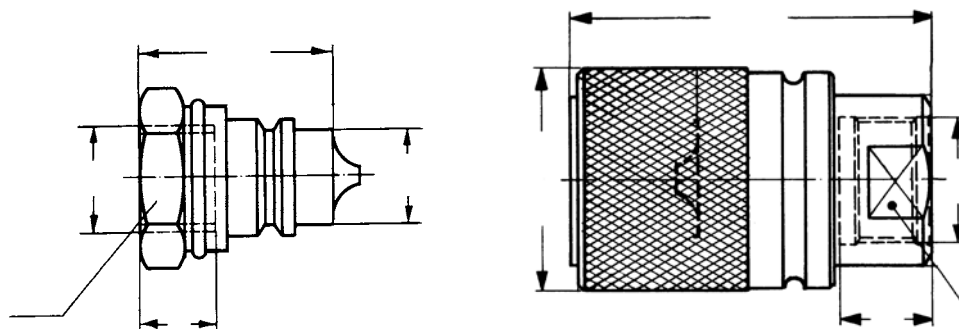
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1

STANDARD ISO 7241 A - Poppet SVK-ISO-A

Male coupling - female thread


| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Min BP Conn./ disconn. MPa | Thread | ø A | B mm | d ₃ mm | L mm | SW mm |
|-----------|-----------------|------|----|--------|------------------------|----------------------------|--------|---------|------|-------------------|-------|-------|
| | | DASH | DN | inch | | | | | | | | |
| 1219611 | R1QEPAM06F-0404 | -4 | 6 | 1/4" | 35 | 140 | BSPP | 1/4" | 38,5 | 11,8 | 74,2 | 19 |
| 1219606 | R1QEPAM06F-0606 | -6 | 10 | 3/8" | 31,5 | 126 | BSPP | 3/8" | 39 | 17,3 | 78,5 | 22 |
| 1219615 | R1QEPAM06F-0808 | -8 | 12 | 1/2" | 27 | 108 | BSPP | 1/2" | 44 | 20,5 | 88,2 | 27 |
| 1219608 | R1QEPAM06F-1212 | -12 | 20 | 3/4" | 25 | 100 | BSPP | 3/4" | 55 | 29 | 110,4 | 34 |
| 1219618 | R1QEPAM06F-1616 | -16 | 25 | 1" | 20 | 80 | BSPP | 1" | 66 | 34,3 | 132,9 | 41 |
| 1223512 | R1QEPAM06F-2020 | -20 | 32 | 1 1/4" | 20 | 80 | BSPP | 1 1/4" | 75 | 45 | 150 | 50 |
| 1223511 | R1QEPAM06F-2424 | -24 | 40 | 1 1/2" | 16 | 64 | BSPP | 1 1/2" | 83,5 | 55 | 167 | 60 |
| 1219610 | R1QEPAM28F-0404 | -4 | 6 | 1/4" | 35 | 140 | NPTF | 1/4" | 38,5 | 11,8 | 74,2 | 19 |
| 1222492 | R1QEPAM28F-0606 | -6 | 10 | 3/8" | 27 | 108 | NPTF | 3/8" | 39 | 17,3 | 78,5 | 22 |
| 1222489 | R1QEPAM28F-0808 | -8 | 12 | 1/2" | 27 | 108 | NPTF | 1/2" | 44 | 20,5 | 88,2 | 27 |
| 1222490 | R1QEPAM28F-1212 | -12 | 20 | 3/4" | 25 | 100 | NPTF | 3/4" | 55 | 29 | 110,4 | 34 |
| 1229488 | R1QEPAM28F-1616 | -16 | 25 | 1" | 20 | 80 | NPTF | 1" | 66 | 34,3 | 132,9 | 41 |
| 1229496 | R1QEPAM28F-2424 | -24 | 40 | 1 1/2" | 16 | 64 | NPTF | 1 1/2" | 83,5 | 55 | 167 | 60 |
| 1229477 | R1QEPAM52F-0822 | -8 | 12 | 1/2" | 27 | 108 | MET | M22x1,5 | 44 | 20,5 | 88,2 | 27 |

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1



STANDARD ISO 5675 - Poppet SVK-1H push-pull


Female coupling - female thread

| Item Code | Part Number |  | | | WP Conn./ disconn. MPa | Thread | d ₃ | d ₇ | d ₉ | l ₂ | l ₃ | l ₅ | t ₁ | SW ₃ |
|-----------|-------------|---|----|------|------------------------|---------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| | | DASH | DN | inch | | | | | | | | | | |
| 1219634 | R1Q-340008 | -6 | 10 | 3/8" | 40 | BSPP | 3/8" | 32 | 24 | 54 | 36 | 45 | 9 | 19 |
| 1219632 | R1Q-340010 | -8 | 12 | 1/2" | 25 | BSPP | 1/2" | 39 | 30 | 63 | 41 | 45 | 16 | 27 |
| 1229069 | R1Q-340013 | -12 | 20 | 3/4" | 25 | BSPP | 1" | 51 | 43 | 88,5 | 55 | 68 | 18 | 36 |
| 1229982 | R1Q-340004 | -6 | 10 | 3/8" | 40 | NPTF | 3/8" | 32 | 24 | 54 | 36 | 45 | 9 | 19 |
| 1229984 | R1Q-340011 | -8 | 12 | 1/2" | 25 | NPTF | 1/2" | 39 | 30 | 63 | 41 | 45 | 16 | 27 |
| 1229986 | R1Q-340012 | -12 | 20 | 3/4" | 25 | NPTF | 1" | 51 | 43 | 88,5 | 55 | 68 | 18 | 36 |
| 1229992 | R1Q-340160 | -6 | 10 | 3/8" | 40 | SAE/UNF | 9/16"-18 | 32 | 24 | 54 | 36 | 45 | 9 | 19 |
| 1229994 | R1Q-340166 | -8 | 12 | 1/2" | 25 | SAE/UNF | 3/4"-16 | 39 | 30 | 63 | 41 | 45 | 16 | 27 |
| 1229996 | R1Q-340167 | -12 | 20 | 3/4" | 25 | SAE/UN | 1"5/16-12 | 51 | 43 | 88,5 | 55 | 68 | 18 | 36 |
| 1229089 | R1Q-340007 | -6 | 10 | 3/8" | 40 | MET | M16x1,5 | 32 | 24 | 54 | 36 | 45 | 9 | 19 |
| 1229090 | R1Q-340009 | -8 | 12 | 1/2" | 25 | MET | M22x1,5 | 39 | 30 | 63 | 41 | 45 | 16 | 27 |
| 1229091 | R1Q-340130 | -12 | 20 | 3/4" | 25 | MET | M30x1,5 | 51 | 43 | 88,5 | 55 | 68 | 18 | 36 |

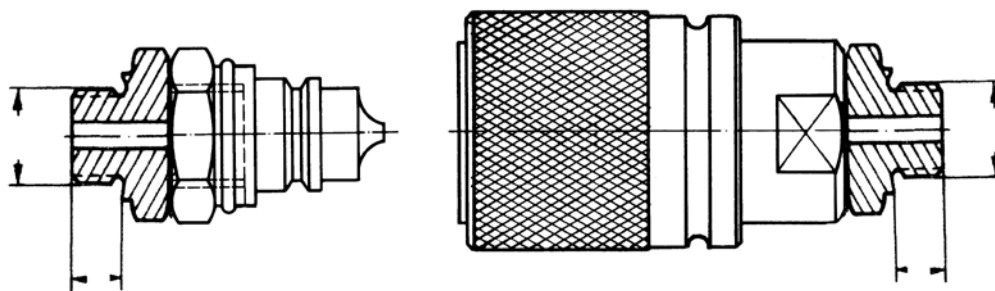
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

STANDARD ISO 5675 - Poppet SVK-1H

Male coupling - female thread

| Item Code | Part Number |  | | | WP Conn./ disconn. MPa | Thread | d ₃ | d ₈ | l ₃ | l ₁₃ | t ₁ | SW ₂ |
|-----------|-------------|---|----|------|------------------------|---------|----------------|----------------|----------------|-----------------|----------------|-----------------|
| | | DASH | DN | inch | | | | | | | | |
| 1219633 | R1Q-340002 | -6 | 10 | 3/8" | 40 | BSPP | 3/8" | 22 | 36 | 10 | 14 | 22 |
| 1219631 | R1Q-340003 | -8 | 12 | 1/2" | 25 | BSPP | 1/2" | - | 45 | 18 | 16 | 27 |
| 1229020 | R1Q-340006 | -12 | 20 | 3/4" | 25 | BSPP | 1" | 41 | 55 | 20 | 18 | 41 |
| 1229987 | R1Q-340176 | -6 | 10 | 3/8" | 40 | NPTF | 3/8" | 22 | 36 | 10 | 14 | 22 |
| 1229989 | R1Q-340131 | -8 | 12 | 1/2" | 25 | NPTF | 1/2" | - | 45 | 18 | 16 | 27 |
| 1229991 | R1Q-340183 | -12 | 20 | 3/4" | 25 | NPTF | 1" | 41 | 55 | 20 | 18 | 41 |
| 1230002 | R1Q-340184 | -6 | 10 | 3/8" | 40 | SAE/UNF | 9/16"-18 | 22 | 36 | 10 | 14 | 22 |
| 1230004 | R1Q-340208 | -8 | 12 | 1/2" | 25 | SAE/UNF | 3/4"-16 | - | 45 | 18 | 16 | 27 |
| 1230006 | R1Q-340211 | -12 | 20 | 3/4" | 25 | SAE/UN | 1"5/16-12 | 41 | 55 | 20 | 18 | 41 |
| 1229061 | R1Q-340000 | -6 | 10 | 3/8" | 40 | MET | M16x1,5 | 22 | 36 | 10 | 14 | 22 |
| 1229062 | R1Q-340001 | -8 | 12 | 1/2" | 25 | MET | M22x1,5 | - | 45 | 18 | 16 | 27 |
| 1229063 | R1Q-340005 | -12 | 20 | 3/4" | 25 | MET | M30x1,5 | 41 | 55 | 20 | 18 | 41 |

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1



STANDARD ISO 5675 - Poppet SVK-1H push-pull

Female coupling - male thread

| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Fitting | d ₁ mm | l ₈ mm | l ₁₀ mm |
|-----------|-------------|------|----|------|---------------------------------|---------|----------------------|----------------------|-----------------------|
| | | DASH | DN | inch | | | | | |
| 1229064 | R1Q-340094 | -6 | 10 | 3/8" | 40 | AGF | 1/4" | 12 | 19 |
| 1229065 | R1Q-340095 | -6 | 10 | 3/8" | 40 | AGF | 3/8" | 12 | 19 |
| 1229066 | R1Q-340096 | -8 | 12 | 1/2" | 25 | AGF | 1/2" | 14 | 23 |
| 1229068 | R1Q-340097 | -12 | 20 | 3/4" | 25 | AGF | 3/4" | 16 | 29 |
| 1229067 | R1Q-340098 | -12 | 20 | 3/4" | 25 | AGF | 1" | 18 | 31 |

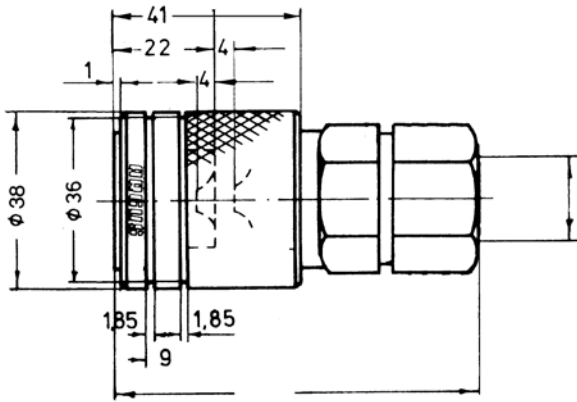
AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

STANDARD ISO 5675 - Poppet SVK-1H

Male coupling - male thread


| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Fitting | d ₁ mm | l ₈ mm | l ₁₀ mm |
|-----------|-------------|------|----|------|---------------------------------|---------|----------------------|----------------------|-----------------------|
| | | DASH | DN | inch | | | | | |
| 1229015 | R1Q-340076 | -6 | 10 | 3/8" | 40 | AGF | 1/4" | 12 | 19 |
| 1229016 | R1Q-340077 | -6 | 10 | 3/8" | 40 | AGF | 3/8" | 12 | 19 |
| 1229017 | R1Q-340078 | -8 | 12 | 1/2" | 25 | AGF | 1/2" | 14 | 23 |
| 1229019 | R1Q-340079 | -12 | 20 | 3/4" | 25 | AGF | 3/4" | 16 | 29 |
| 1229018 | R1Q-340080 | -12 | 20 | 3/4" | 25 | AGF | 1" | 18 | 31 |

AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

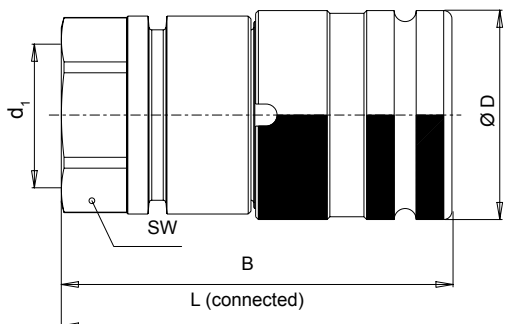


STANDARD ISO 5675 - Poppet SPK-1H male connectable under pressure

Female coupling - female thread

| Item Code | Part Number |  | | | WP Conn./ disconn. MPa | Thread | d ₁ mm | l ₂ mm |
|-----------|-------------|---|----|------|------------------------|---------|-------------------|-------------------|
| | | DASH | DN | inch | | | | |
| 1231470 | R1Q-1231470 | -8 | 12 | 1/2" | 25 | BSPP | 1/2" | 80 |
| 1231471 | R1Q-1231471 | -8 | 12 | 1/2" | 25 | NPTF | 1/2" | 80 |
| 1231472 | R1Q-1231472 | -8 | 12 | 1/2" | 25 | SAE/UNF | 3/4"-16 | 80 |
| 1231473 | R1Q-1231473 | -8 | 12 | 1/2" | 25 | MET | M22x1,5 | 80 |

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

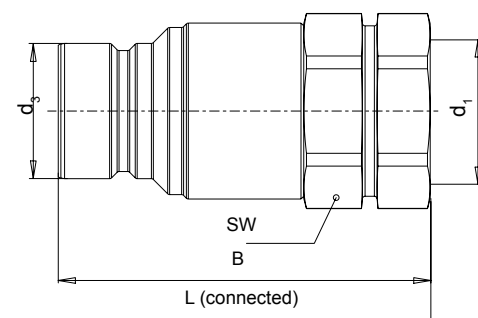


STANDARD ISO 16028 - Flat Face FPK

Female coupling - female thread

| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Min BP Conn./ disconn. MPa | Thread | d ₁ | B | Ø D | L | SW |
|-----------|-------------|------|----|------|---------------------------------|-------------------------------------|---------|----------------|-------|-----|-------|----|
| | | DASH | DN | inch | | | | | | | | |
| 1229101 | R1Q-1229101 | -4 | 6 | 1/4" | 35 | 140 | BSPP | 1/4" | 57,8 | 28 | 97 | 20 |
| 1229102 | R1Q-1229102 | -6 | 10 | 3/8" | 35 | 140 | BSPP | 3/8" | 69,3 | 32 | 117 | 27 |
| 1224380 | R1Q-1224380 | -6 | 10 | 3/8" | 35 | 140 | BSPP | 1/2" | 69,3 | 32 | 117 | 27 |
| 1229103 | R1Q-1229103 | -8 | 13 | 1/2" | 35 | 140 | BSPP | 1/2" | 74,5 | 38 | 125 | 32 |
| 1224381 | R1Q-1224381 | -8 | 13 | 1/2" | 35 | 140 | BSPP | 3/4" | 74,5 | 38 | 125 | 32 |
| 1232287 | R1Q-1232287 | -10 | 16 | 5/8" | 35 | 140 | BSPP | 3/4" | 81,3 | 40 | 134 | 34 |
| 1229105 | R1Q-1229105 | -12 | 19 | 3/4" | 35 | 140 | BSPP | 3/4" | 93 | 48 | 156 | 42 |
| 1224382 | R1Q-1224382 | -12 | 19 | 3/4" | 35 | 140 | BSPP | 1" | 93 | 48 | 156 | 42 |
| 1231464 | R1Q-1231464 | -16 | 25 | 1" | 35 | 140 | BSPP | 1" | 101 | 55 | 177 | 50 |
| 1229106 | R1Q-1229106 | -16 | 25 | 1" | 35 | 140 | BSPP | 1 1/4" | 101 | 55 | 177 | 50 |
| 1229213 | R1Q-1229213 | -4 | 6 | 1/4" | 35 | 140 | NPTF | 1/4" | 49,2 | 28 | 96,3 | 20 |
| 1229214 | R1Q-1229214 | -6 | 10 | 3/8" | 35 | 140 | NPTF | 3/8" | 67 | 32 | 129 | 27 |
| 1229215 | R1Q-1229215 | -6 | 10 | 3/8" | 35 | 140 | NPTF | 1/2" | 67 | 32 | 129 | 27 |
| 1229216 | R1Q-1229216 | -8 | 13 | 1/2" | 35 | 140 | NPTF | 1/2" | 74,6 | 38 | 142,6 | 32 |
| 1229217 | R1Q-1229217 | -8 | 13 | 1/2" | 35 | 140 | NPTF | 3/4" | 74,6 | 38 | 142,6 | 32 |
| 1232382 | R1Q-1232382 | -10 | 16 | 5/8" | 35 | 140 | NPTF | 3/4" | 81,3 | 40 | 133,5 | 34 |
| 1229219 | R1Q-1229219 | -12 | 19 | 3/4" | 35 | 140 | NPTF | 3/4" | 92,5 | 48 | 177,5 | 42 |
| 1232460 | R1Q-1232460 | -12 | 19 | 3/4" | 35 | 140 | NPTF | 1" | 92,5 | 48 | 177,5 | 42 |
| 1231467 | R1Q-1231467 | -16 | 25 | 1" | 35 | 140 | NPTF | 1" | 100,5 | 55 | 199,5 | 50 |
| 1229236 | R1Q-1229236 | -6 | 10 | 3/8" | 35 | 140 | SAE/UNF | 9/16"-18 | 67 | 32 | 129 | 27 |
| 1229238 | R1Q-1229238 | -8 | 13 | 1/2" | 35 | 140 | SAE/UNF | 3/4"-16 | 74,6 | 38 | 142,6 | 32 |
| 1232384 | R1Q-1232384 | -10 | 16 | 5/8" | 35 | 140 | SAE/UN | 1"1/16-12 | 81,3 | 40 | 133,5 | 34 |
| 1229241 | R1Q-1229241 | -12 | 19 | 3/4" | 35 | 140 | SAE/UN | 1"1/16-12 | 92,5 | 48 | 177,5 | 42 |
| 1229243 | R1Q-1229243 | -16 | 25 | 1" | 35 | 140 | SAE/UN | 1"5/16-12 | 100,5 | 55 | 199,5 | 50 |
| 1231469 | R1Q-1231469 | -6 | 10 | 3/8" | 35 | 140 | MET | M22x1,5 | 67 | 32 | 129 | 27 |

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1, SAE UNF/UN connection according to SAE J 1926-1

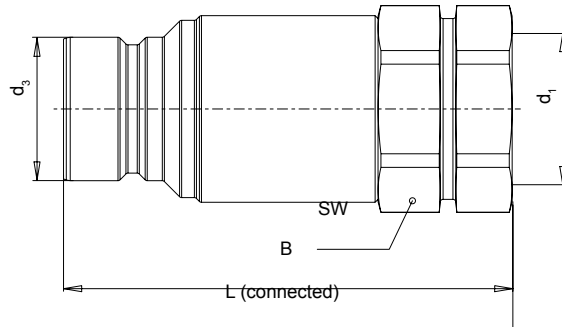


STANDARD ISO 16028 - Flat Face FPK

Male coupling - female thread

| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Min BP Conn./ disconn. MPa | Thread | d ₁ | B | d ₃ | L | SW |
|-----------|-------------|------|----|------|------------------------|----------------------------|---------|----------------|------|----------------|-------|----|
| | | DASH | DN | inch | | | | | | | | |
| 1229109 | R1Q-1229109 | -4 | 6 | 1/4" | 35 | 140 | BSPP | 1/2" | 50,5 | 16,2 | 97 | 20 |
| 1229110 | R1Q-1229110 | -6 | 10 | 3/8" | 35 | 140 | BSPP | 3/8" | 64 | 19,7 | 117 | 27 |
| 1229111 | R1Q-1229111 | -6 | 10 | 3/8" | 35 | 140 | BSPP | 1/2" | 64 | 19,7 | 117 | 27 |
| 1229112 | R1Q-1229112 | -8 | 13 | 1/2" | 35 | 140 | BSPP | 1/2" | 68 | 24,6 | 125 | 32 |
| 1224377 | R1Q-1224377 | -8 | 13 | 1/2" | 35 | 140 | BSPP | 3/4" | 68 | 24,6 | 125 | 32 |
| 1232288 | R1Q-1232288 | -10 | 16 | 5/8" | 35 | 140 | BSPP | 3/4" | 70 | 27 | 134 | 34 |
| 1229113 | R1Q-1229113 | -12 | 19 | 3/4" | 35 | 140 | BSPP | 3/4" | 85 | 29,9 | 156 | 42 |
| 1224378 | R1Q-1224378 | -12 | 19 | 3/4" | 35 | 140 | BSPP | 1" | 85 | 29,9 | 156 | 42 |
| 1231463 | R1Q-1231463 | -16 | 25 | 1" | 35 | 140 | BSPP | 1" | 99 | 36 | 177 | 50 |
| 1229114 | R1Q-1229114 | -16 | 25 | 1" | 35 | 140 | BSPP | 1 1/4" | 99 | 36 | 177 | 50 |
| 1229224 | R1Q-1229224 | -4 | 6 | 1/4" | 35 | 140 | NPTF | 1/2" | 49,2 | 28 | 96,3 | 20 |
| 1229225 | R1Q-1229225 | -6 | 10 | 3/8" | 35 | 140 | NPTF | 3/8" | 62 | 19,7 | 129 | 27 |
| 1229226 | R1Q-1229226 | -6 | 10 | 3/8" | 35 | 140 | NPTF | 1/2" | 62 | 19,7 | 129 | 27 |
| 1229227 | R1Q-1229227 | -8 | 13 | 1/2" | 35 | 140 | NPTF | 1/2" | 68 | 24,6 | 142,6 | 32 |
| 1229228 | R1Q-1229228 | -8 | 13 | 1/2" | 35 | 140 | NPTF | 3/4" | 68 | 24,6 | 142,6 | 32 |
| 1232383 | R1Q-1232383 | -10 | 16 | 5/8" | 35 | 140 | NPTF | 3/4" | 70 | 27 | 133,5 | 34 |
| 1229230 | R1Q-1229230 | -12 | 19 | 3/4" | 35 | 140 | NPTF | 3/4" | 85 | 29,9 | 177,5 | 42 |
| 1232461 | R1Q-1232461 | -12 | 19 | 3/4" | 35 | 140 | NPTF | 1" | 85 | 29,9 | 177,5 | 42 |
| 1231466 | R1Q-1231466 | -16 | 25 | 1" | 35 | 140 | NPTF | 1" | 99 | 36 | 199,5 | 50 |
| 1229247 | R1Q-1229247 | -6 | 10 | 3/8" | 35 | 140 | SAE/UNF | 9/16"-18 | 62 | 19,7 | 129 | 27 |
| 1229249 | R1Q-1229249 | -8 | 13 | 1/2" | 35 | 140 | SAE/UNF | 3/4"-16 | 68 | 24,6 | 142,6 | 32 |
| 1232385 | R1Q-1232385 | -10 | 16 | 5/8" | 35 | 140 | SAE/UN | 1"1/16-12 | 70 | 27 | 133,5 | 34 |
| 1229252 | R1Q-1229252 | -12 | 19 | 3/4" | 35 | 140 | SAE/UN | 1"1/16-12 | 85 | 29,9 | 177,5 | 42 |
| 1229254 | R1Q-1229254 | -16 | 25 | 1" | 35 | 140 | SAE/UN | 1"5/16-12 | 99 | 36 | 199,5 | 50 |
| 1231468 | R1Q-1231468 | -6 | 10 | 3/8" | 35 | 140 | MET | M22x1,5 | 62 | 19,7 | 129 | 27 |

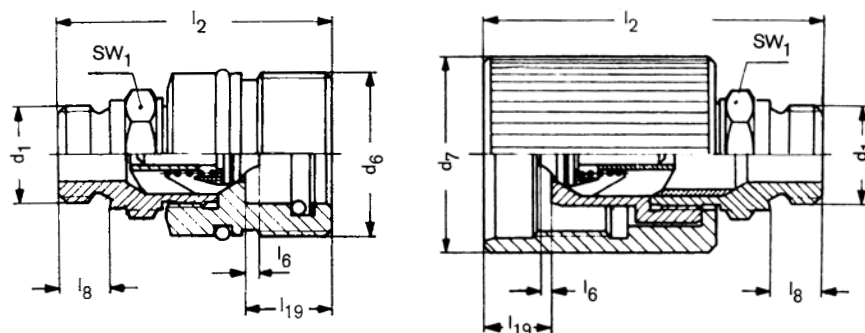
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1, SAE UNF/UN connection according to SAE J 1926-1



STANDARD ISO 16028 - Flat Face FPP connectable under pressure Male coupling - female thread

| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Min BP Conn./ disconn. MPa | Thread | d ₁ | SW | B | d ₃ | L |
|-----------|-------------|------|----|------|---------------------------------|-------------------------------------|--------|----------------|----|-------|----------------|-------|
| | | DASH | DN | inch | | | | | | | | |
| 1232283 | ON REQUEST | -6 | 10 | 3/8" | 35 | 140 | BSPP | 3/8" | 27 | 82,5 | 19,7 | 134 |
| 1231474 | R1Q-1231474 | -8 | 13 | 1/2" | 35 | 140 | BSPP | 1/2" | 32 | 94,5 | 24,6 | 152 |
| 1232284 | ON REQUEST | -12 | 19 | 3/4" | 35 | 140 | BSPP | 3/4" | 42 | 118,5 | 29,9 | 189,5 |

BSPP connection according to DIN 3852-2-X



SCREW COUPLING - Poppet HDK

Female coupling (fixed part) - male thread

| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Fitting | DN Fitting | d ₁ | d ₆ | l ₂ | l ₆ | l ₈ | l ₁₉ | SW ₁ |
|-----------|-------------|------|----|-------|------------------------|---------|------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|
| | | DASH | DN | inch | | | | | | | | | | |
| 1228935 | R1Q-340477 | -5 | 8 | 5/16" | 45 | AGF | 8 | 3/8" | Rd 28x2 | 54 | 3 | 12 | 14,5 | 22 |
| 1219534 | R1Q-340478 | -8 | 12 | 1/2" | 40 | AGF | 12 | 1/2" | Rd 36x2 | 61,5 | 3,1 | 14 | 17 | 27 |
| 1228936 | R1Q-340479 | -12 | 20 | 3/4" | 31,5 | AGF | 16 | 3/4" | Rd 48x3 | 87,5 | 7,6 | 16 | 26 | 41 |
| 1228937 | R1Q-340480 | -12 | 20 | 3/4" | 31,5 | AGF | 20 | 1" | Rd 48x3 | 90 | 7,6 | 18 | 26 | 41 |

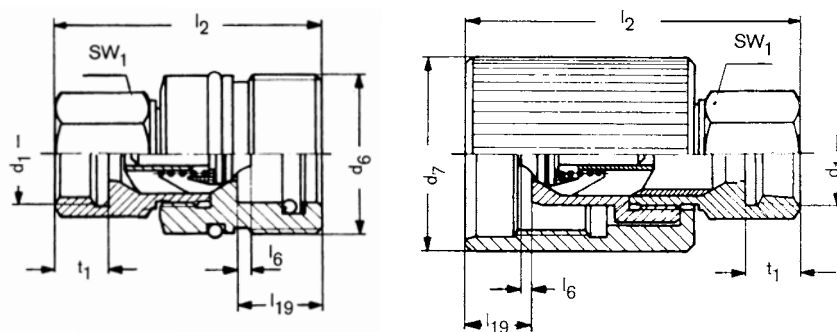
AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

SCREW COUPLING - Poppet HDK

Male coupling (loose part) - male thread

| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Fitting | DN Fitting | d ₁ | d ₇ | l ₂ | l ₆ | l ₈ | l ₁₉ | SW ₁ |
|-----------|-------------|------|----|-------|------------------------|---------|------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|
| | | DASH | DN | inch | | | | | | | | | | |
| 1228919 | R1Q-340445 | -5 | 8 | 5/16" | 45 | AGF | 8 | 3/8" | 34 | 64 | 3 | 12 | 12,5 | 22 |
| 1219526 | R1Q-340446 | -8 | 12 | 1/2" | 40 | AGF | 12 | 1/2" | 42 | 75,5 | 4 | 14 | 15,5 | 27 |
| 1228920 | R1Q-340447 | -12 | 20 | 3/4" | 31,5 | AGF | 16 | 3/4" | 55 | 91 | 9 | 16 | 11 | 41 |
| 1228921 | R1Q-340448 | -12 | 20 | 3/4" | 31,5 | AGF | 20 | 1" | 55 | 91 | 9 | 18 | 11 | 41 |

AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2



SCREW COUPLING - Poppet HDK

Female coupling (fixed part) - female thread

| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Thread | DN Fitting | d ₁ | d ₆ | l ₂ | l ₆ | l ₁₉ | t ₁ /t ₂ | SW ₁ |
|-----------|-------------|------|----|--------|------------------------|--------|------------|----------------|----------------|----------------|----------------|-----------------|--------------------------------|-----------------|
| | | DASH | DN | inch | | | | | | | | | | |
| 1219538 | R1Q-340449 | -5 | 8 | 5/16" | 45 | BSPP | 3/8" | Rd 28x2 | 55 | 3 | 14,5 | 14 | 22 | 22 |
| 1219537 | R1Q-340450 | -8 | 13 | 1/2" | 40 | BSPP | 1/2" | Rd 36x2 | 60,5 | 4 | 17 | 16 | 27 | 27 |
| 1219536 | R1Q-340451 | -16 | 25 | 1" | 31,5 | BSPP | 3/4" | Rd 48x3 | 89,5 | 9 | 26 | 18 | 41 | 41 |
| 1219535 | R1Q-340452 | -16 | 25 | 1" | 31,5 | BSPP | 1" | Rd 48x3 | 92,5 | 9 | 26 | 20 | 41 | 41 |
| 1230056 | R1Q-340421 | -20 | 32 | 1 1/4" | 31,5 | BSPP | 1 1/4" | Rd 70x3 | 115 | 12 | 36 | - | 55 | 27 |
| 1228938 | R1Q-340453 | -8 | 13 | 1/2" | 4 | NPTF | 1/2"-14 | Rd 36x2 | 61,5 | 4 | 17 | 16,5 | 27 | 41 |
| 1228939 | R1Q-340454 | -16 | 25 | 1" | 3,15 | NPTF | 3/4"-14 | Rd 48x3 | 84,5 | 9 | 26 | 17 | 41 | 41 |
| 1228940 | R1Q-340455 | -16 | 25 | 1" | 3,15 | NPTF | 1"-11,5 | Rd 48x3 | 88,5 | 9 | 26 | 20,5 | 41 | 41 |
| 1232387 | R1Q-340422 | -20 | 32 | 1 1/4" | 31,5 | NPTF | 1 1/4" | Rd 70x3 | 115 | 12 | 36 | - | 55 | |
| 1231479 | R1Q-340412 | -16 | 25 | 1" | 31,5 | SAE UN | 1 1/16"-12 | Rd 48x3 | 89,5 | 9 | 26 | 18 | 41 | |

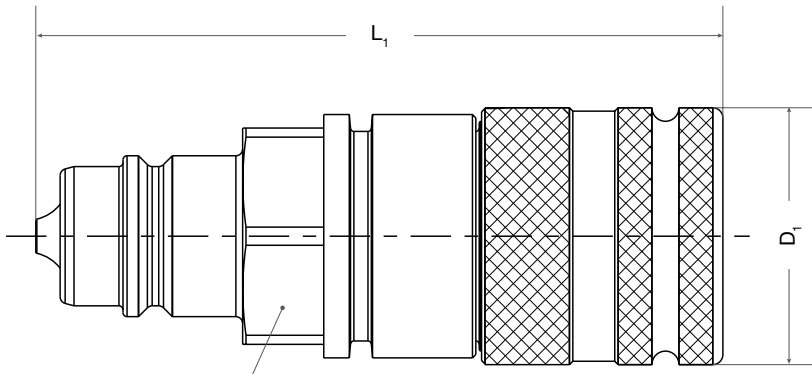
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

SCREW COUPLING - Poppet HDK

Female coupling (loose part) - female thread


| Item Code | Part Number | | | | WP Conn./ disconn. MPa | Thread | DN Fitting | d ₁ | d ₇ | l ₂ | l ₆ | l ₁₉ | t ₁ | SW ₁ |
|-----------|-------------|------|----|--------|------------------------|--------|------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----------------|
| | | DASH | DN | inch | | | | | | | | | | |
| 1219530 | R1Q-340470 | -5 | 8 | 5/16" | 45 | BSPP | 3/8" | 34 | 65 | 3 | 12,5 | 14 | 22 | 22 |
| 1219529 | R1Q-340471 | -8 | 13 | 1/2" | 40 | BSPP | 1/2" | 42 | 74,5 | 4 | 15,5 | 16 | 27 | 27 |
| 1219528 | R1Q-340472 | -16 | 25 | 1" | 31,5 | BSPP | 3/4" | 55 | 98 | 9 | 11 | 18 | 41 | 41 |
| 1219527 | R1Q-340473 | -16 | 25 | 1" | 31,5 | BSPP | 1" | 55 | 101 | 9 | 11 | 20 | 41 | 41 |
| 1230063 | R1Q-340423 | -20 | 32 | 1 1/4" | 31,5 | BSPP | 1 1/4" | 80 | 117 | 12 | 10 | - | 55 | 27 |
| 1228922 | R1Q-340474 | -8 | 13 | 1/2" | 40 | NPTF | 1/2"-14 | 42 | 75,5 | 4 | 15,5 | 16,5 | 27 | 41 |
| 1228923 | R1Q-340475 | -16 | 25 | 1" | 31,5 | NPTF | 3/4"-14 | 55 | 93 | 9 | 11 | 17 | 41 | 41 |
| 1228924 | R1Q-340476 | -16 | 25 | 1" | 31,5 | NPTF | 1"-11,5 | 55 | 97 | 9 | 11 | 20,5 | 41 | 41 |
| 1232388 | R1Q-340424 | -20 | 32 | 1 1/4" | 31,5 | NPTF | 1 1/4" | 80 | 117 | 12 | 10 | - | 55 | |
| 1231480 | R1Q-340486 | -16 | 25 | 1" | 31,5 | SAE UN | 1 1/16"-12 | 55 | 98 | 9 | 11 | 18 | 41 | |

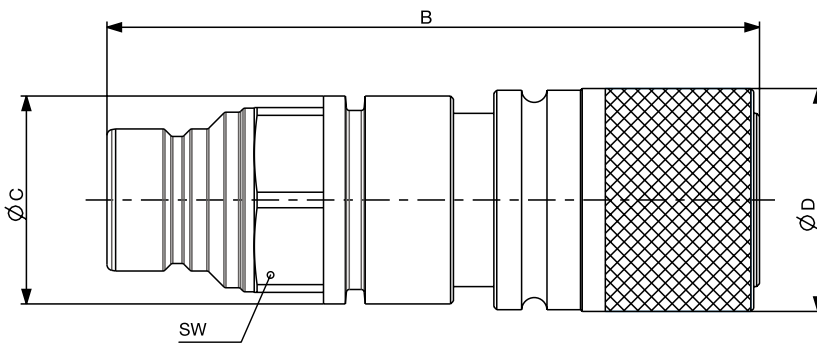
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1



QUICK CONNECT ADAPTER - Flat Face - ISO A 1/2"


Female flat face ISO 16028 - Male poppet ISO 7241 A

| Item Code | Part Number |  | | | WP Connected MPa | Min BP Connected MPa | C Ø mm | D Ø mm | B mm | SW mm |
|-----------|-------------|---|----|------|---------------------|-------------------------|--------------|--------------|---------|----------|
| | | DASH | DN | inch | | | | | | |
| 1230322 | R1Q-1230322 | -8 | 12 | 1/2 | 35 | 140 | 36 | 38 | 101,7 | 32 |



QUICK CONNECT ADAPTER - Flat Face - ISO A 1/2"

Male flat face ISO 16028 - Female poppet ISO 7241 A

| Item Code | Part Number |  | | | WP Connected MPa | Min BP Connected MPa | C Ø mm | D Ø mm | B mm | SW mm |
|-----------|-------------|---|----|------|---------------------|-------------------------|--------------|--------------|---------|----------|
| | | DASH | DN | inch | | | | | | |
| 1230323 | R1Q-1230323 | -8 | 12 | 1/2 | 35 | 140 | 36 | 38,6 | 113 | 32 |

ACCESSORIES

- BALL VALVES..... 100
- RETAINING SYSTEMS 101-102
- HOSE PROTECTION 103
- NYLON CHAIN..... 104
- STAINLESS STEEL CHAIN..... 105
- HOSE FLOATS..... 106



BALL VALVE

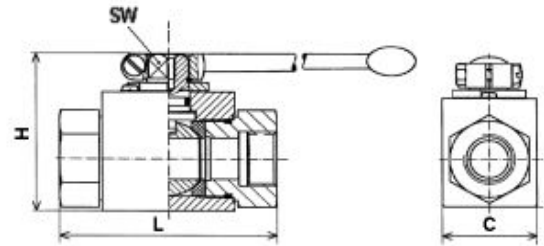
A complete range to fit low and high pressure lines. Shock-resistant, engineered to be used in harsh environments, they can have connections to pipes or hoses, according to the specific applications demands.

2-WAY BALL VALVE

Series BKH-MKH DIN-ISO 1219

BSP Female

(NPTF female also available)



| Part Number | ID mm | ID in | ID dash size | THREAD SIZE | WP Mpa | WP psi | L mm | C mm | H mm | SW |
|-----------------|-------|-------|--------------|-------------|--------|--------|------|------|------|----|
| R1VBKH0006-G041 | 6 | 1/4 | 4 | 1/4-19 | 50 | 7250 | 69 | 26 | 47 | 9 |
| R1VBKH0010-G061 | 10 | 3/8 | 6 | 3/8-19 | 50 | 7250 | 72 | 32 | 52 | 9 |
| R1VBKH0013-G081 | 13 | 1/2 | 8 | 1/2-14 | 50 | 7250 | 83 | 35 | 54 | 9 |
| R1VBKH0020-G121 | 20 | 3/4 | 12 | 3/4-14 | 31,5 | 4550 | 35 | 49 | 75 | 14 |
| R1VBKH0025-G201 | 25 | 1 | 16 | 1 1/4-11 | 31,5 | 4550 | 120 | 58 | 83 | 14 |
| R1VBKH0025-G161 | 25 | 1 | 16 | 1-11 | 31,5 | 4550 | 113 | 58 | 83 | 14 |
| R1VMKH0032-G205 | 32 | 1 1/4 | 20 | 1 1/4-11 | 35 | 5050 | 111 | 81 | 107 | 17 |
| R1VMKH0040-G245 | 40 | 1 1/2 | 24 | 1 1/2-11 | 35 | 5050 | 130 | 100 | 124 | 17 |
| R1VMKH0050-G325 | 50 | 2 | 32 | 2-11 | 35 | 5050 | 140 | 118 | 138 | 17 |

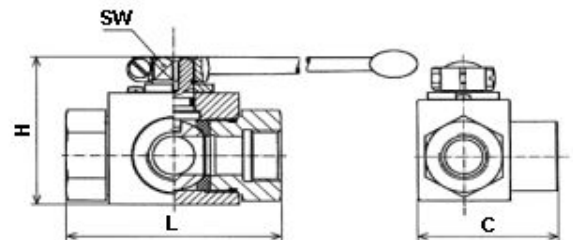
STAINLESS STEEL VERSION AVAILABLE ON REQUEST

3-WAY BALL VALVE

Series BK3 DIN 2429

BSP Female

(NPTF female also available)



| Part Number | ID mm | ID in | ID dash size | THREAD SIZE | WP Mpa | WP psi | L mm | C mm | H mm | SW |
|-----------------|-------|-------|--------------|-------------|--------|--------|------|------|------|----|
| R1VBK3L006-G042 | 6 | 1/4 | 4 | 1/4-19 | 31,5 | 4550 | 69 | 48 | 47 | 9 |
| R1VBK3L010-G062 | 10 | 3/8 | 6 | 3/8-19 | 31,5 | 4550 | 72 | 52 | 52 | 9 |
| R1VBK3L013-G082 | 13 | 1/2 | 8 | 1/2-14 | 31,5 | 4550 | 83 | 59 | 54 | 9 |
| R1VBK3L020-G122 | 20 | 3/4 | 12 | 3/4-14 | 31,5 | 4550 | 95 | 72 | 75 | 14 |
| R1VBK3L025-G162 | 25 | 1 | 16 | 1-11 | 31,5 | 4550 | 113 | 90 | 83 | 14 |

STAINLESS STEEL VERSION AVAILABLE ON REQUEST

WHIP CHAIN

Whip chains are a retaining system made of high tensile cables used for restraint of assemblies, should they accidentally separate. Alfagomma can offer a wide range of whip chains for:

- Hoses attached with port adapters
- Hoses using flange-style connections

Whip chains are to be used in combination with the specific hose band, depending on diameter.



| Item code | Part Number | DESCRIPTION | Additional description |
|-----------|-----------------|--|------------------------|
| 1902258 | R1YCCH1-0240250 | Retaining Sys. band 24-25mm | STOPFA2425 |
| 1902260 | R1YCCH1-0250260 | Retaining Sys. band 25-26mm | STOPFA2526 |
| 1902261 | R1YCCH1-0260270 | Retaining Sys. band 26-27mm | STOPFA2627 |
| 1902263 | R1YCCH1-0270280 | Retaining Sys. band 27-28mm | STOPFA2728 |
| 1902264 | R1YCCH1-0280290 | Retaining Sys. band 28-29mm | STOPFA2829 |
| 1902265 | R1YCCH1-0300310 | Retaining Sys. band 30-31mm | STOPFA3031 |
| 1902267 | R1YCCH1-0320330 | Retaining Sys. band 32-33mm | STOPFA3233 |
| 1902268 | R1YCCH1-0340350 | Retaining Sys. band 34-35mm | STOPFA3435 |
| 1902270 | R1YCCH1-0360370 | Retaining Sys. band 36-37mm | STOPFA3637 |
| 1902272 | R1YCCH1-0380390 | Retaining Sys. band 38-39mm | STOPFA3839 |
| 1902273 | R1YCCH1-0390400 | Retaining Sys. band 39-40mm | STOPFA3940 |
| 1902274 | R1YCCH1-0400410 | Retaining Sys. band 40-41mm | STOPFA4041 |
| 1902275 | R1YCCH1-0420430 | Retaining Sys. band 42-43mm | STOPFA4243 |
| 1902277 | R1YCCH1-0430440 | Retaining Sys. band 43-44mm | STOPFA4344 |
| 1902278 | R1YCCH1-0440450 | Retaining Sys. band 44-45mm | STOPFA4445 |
| 1902279 | R1YCCH1-0450470 | Retaining Sys. band 45-47mm | STOPFA4547 |
| 1902281 | R1YCCH1-0480500 | Retaining Sys. band 48-50mm | STOPFA4850 |
| 1902283 | R1YCCH1-0510530 | Retaining Sys. band 51-53mm | STOPFA5153 |
| 1902285 | R1YCCH1-0530540 | Retaining Sys. band 53-54mm | STOPFA5354 |
| 1902286 | R1YCCH1-0540560 | Retaining Sys. band 54-56mm | STOPFA5456 |
| 1902287 | R1YCCH1-0570590 | Retaining Sys. band 57-59mm | STOPFA5759 |
| 1902288 | R1YCCH1-0600620 | Retaining Sys. band 60-62mm | STOPFA6062 |
| 1902290 | R1YCCH1-0630650 | Retaining Sys. band 63-65mm | STOPFA6365 |
| 1902291 | R1YCCH1-0660680 | Retaining Sys. band 66-68mm | STOPFA6668 |
| 1902292 | R1YCCH1-0690710 | Retaining Sys. band 69-71mm | STOPFA6971 |
| 1902293 | R1YCCH1-0720740 | Retaining Sys. band 72-74mm | STOPFA7274 |
| 1902294 | R1YCCH1-0750770 | Retaining Sys. band 75-77mm | STOPFA7577 |
| 1902295 | R1YCCH1-0780800 | Retaining Sys. band 78-80mm | STOPFA7880 |
| 1902296 | R1YCCH1-0810830 | Retaining Sys. band 81-83mm | STOPFA8183 |
| 1902297 | R1YCCH1-0840860 | Retaining Sys. band 84-86mm | STOPFA8486 |
| 1902299 | R1YCCH1-0870890 | Retaining Sys. band 87-89mm | STOPFA8789 |
| 1902300 | R1YCCH1-0900920 | Retaining Sys. band 90-92mm | STOPFA9092 |
| 1902301 | R1YCCH1-0930950 | Retaining Sys. band 93-95mm | STOPFA9395 |
| 1902252 | R1YCCD1-1700200 | Retaining Sys. DKO ID17 L300 - sling for M16 | STOPFUDIN17 |
| 1902510 | R1YCCD1-1850200 | Retaining Sys. DKO ID18.5 L300 - sling for M18 | STOPFUDIN185 |
| 1902511 | R1YCCD1-2050200 | Retaining Sys. DKO ID20.5 L300 - sling for M20 | STOPFUDIN205 |
| 1902257 | R1YCCD1-2250300 | Retaining Sys. DKO ID22.5 L300 - sling | STOPFUDIN225 |
| 1902259 | R1YCCD1-2450200 | Retaining Sys. DKO ID24.5 L300 - sling for M24 | STOPFUDIN245 |
| 1902262 | R1YCCD1-2650200 | Retaining Sys. DKO ID26.5 L300 - sling for M26 | STOPFUDIN265 |
| 1902266 | R1YCCD1-3050200 | Retaining Sys. DKO ID30.5 L300 - sling for M30 | STOPFUDIN305 |
| 1902269 | R1YCCD1-3400450 | Retaining Sys. DKO ID34 L450 - sling | STOPFUDIN34 |
| 1902271 | R1YCCD1-3650450 | Retaining Sys. DKO ID36.5 L450 - sling for M36 | STOPFUDIN365 |
| 1902276 | R1YCCD1-4250450 | Retaining Sys. DKO ID42.5 L450 - sling for M42 | STOPFUDIN425 |
| 1902280 | R1YCCD1-4550450 | Retaining Sys. DKO ID45.5 L450 - sling for M45 | STOPFUDIN455 |
| 1902512 | R1YCCD1-4900450 | Retaining Sys. DKO ID49 L450 - sling | STOPFUDIN49 |
| 1902284 | R1YCCD1-5250450 | Retaining Sys. DKO ID52.5 L450 - sling for M52 | STOPFUDIN525 |
| 1902298 | R1YCCF1-0850300 | Retaining Sys. FL. ID08.5 L300 - for flange 3000 & 6000 1/2" | STOPFUSAE085 |
| 1902243 | R1YCCF1-1050450 | Retaining Sys. FL. ID10.5 L450 - for flange 3000 3/4"-1"-1 1/4 & 6000 3/4" | STOPFUSAE105 |
| 1902246 | R1YCCF1-1250450 | Retaining Sys. FL. ID12.5 L450 - for flange 3000 1 1/2"-2"-2 1/2 & 6000 1" | STOPFUSAE125 |
| 1901675 | R1YCCF1-1450450 | Retaining Sys. FL. ID14.5 L450 - for flange 6000 1 1/4" | STOPFUSAE145 |
| 1901670 | R1YCCF1-1650450 | Retaining Sys. FL. ID16.5 L450 - for flange 3000 3"-3 1/2"-4"-5" & 6000 1 1/2" | STOPFUSAE165 |
| 1901083 | R1YCCF1-2050450 | Retaining Sys. FL. ID20.5 L450 - for flange 6000 2" | STOPFUSAE205 |
| 1902509 | R1YCCV1-1300450 | Retaining Sys. ID13 L450 - sling for generic fitting | STOPFUVARIE |

WHIP SOCK

Safety retaining sock for various hose types, with tie-on device for retrofitting existed hose lines without disconnecting hose fittings.



| Type | for hose O/D in mm | SHHO-63-0002 15 - 25 | SHHO-63-0003 20 - 40 | SHHO-63-0001 30 - 50 | SHHO-63-0004 50 - 65 | SHHO-63-0005 60 - 80 |
|------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| R13 | DN | | | | 31, 40 | 51 |
| R15 | DN | | | 25, 31 | 40 | |
| 4SH | DN | | 19 | 25, 31 | 38 | 51 |
| 4SP | DN | 6, 10 | 12, 16, 19 | 25 | | |
| 2SN | DN | 6, 8, 10, 12 | 16, 19, 25 | 31 | 38 | 51 |
| 1SN | DN | 8, 10, 12, 16 | 19, 25 | 31 | 38 | 51 |
| 241T | DN | 8, 10, 12, 16 | 19, 25 | | | |
| 1SC | DN | 10, 12, 16 | 19, 25 | | | |
| 2SC | DN | 8, 10, 12, 16 | 19, 25 | | | |

FIRE PROTECTION SLEEVE

Woven mineral fibre flame protection sleeve with silicon external coating.
Used to protect hoses and fittings from extreme temperatures.
To be fixed with hose clamps or crimped rings.

Temperature: +250 °C (482 °F)
intermittent to 1500 °C (2732 °F)



| Item code | Part. Number | d mm |
|-----------|-----------------|------|
| 1901772 | RLYGAS0-0130000 | 13 |
| 1901103 | RLYGAS0-0160000 | 16 |
| 1901774 | RLYGAS0-0190000 | 19 |
| 1901775 | RLYGAS0-0220000 | 22 |
| 1901771 | RLYGAS0-0250000 | 25 |
| 1901151 | RLYGAS0-0290000 | 29 |
| 1901770 | RLYGAS0-0320000 | 32 |
| 1901110 | RLYGAS0-0380000 | 38 |
| 1901773 | RLYGAS0-0510000 | 51 |
| 1901114 | RLYGAS0-0640000 | 64 |
| 2600094 | RLYGAS0-0760000 | 76 |

MSHA TEXTILE SLEEVE

Polyester sleeve to protect the hose from abrasion, weathering and high temperature.
MSHA IC-152/18 approval.

Temperature: -40 °C +150 °C (-40 °F +300 °F)



| Item code | Part. Number | ID mm | ID inch |
|-----------|-----------------|-------|---------|
| 1900143 | RTY0G0A-02000T0 | 20 | 0,79 |
| 1900147 | RTY0G0A-02500T0 | 25 | 0,98 |
| 1900142 | RTY0G0A-03000T0 | 30 | 1,18 |
| 1902519 | RTY0G0A-03500T0 | 35 | 1,38 |
| 1900145 | RTY0G0A-04000T0 | 40 | 1,57 |
| 1900168 | RTY0G0A-04500T0 | 45 | 1,77 |
| 1900183 | RTY0G0A-05000T0 | 50 | 1,97 |
| 1900167 | RTY0G0A-06500T0 | 65 | 2,56 |
| 1900157 | RTY0G0A-07500T0 | 75 | 2,95 |
| 1900151 | RTY0G0A-09000T0 | 90 | 3,54 |

PLASTIC PROTECTIVE FLAT COIL SLEEVE

The plastic coil sleeve is resistant against air, water, oil, petrol, hydraulic liquids etc.
This coil sleeve can also be used for group bundling of hose lines.

Temperature: -20 °C to +84 °C (-4 °F to +180 °F)

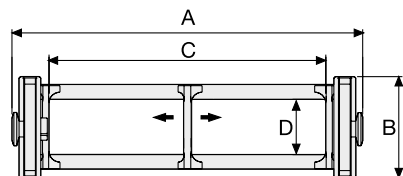


| Item code | Part. Number | ID mm | OD in | Hose OD range mm |
|-----------|-----------------|-------|-------|------------------|
| 1901634 | RJS1AG0-0130000 | 13 | 16 | 13-18 |
| 1901635 | RJS1AG0-0160000 | 16 | 20 | 18-24 |
| 1901636 | RJS1AG0-0200000 | 20 | 25 | 24-28 |
| 1901067 | RJS1AG0-0270000 | 27 | 32 | 28-40 |
| 1902051 | RJS1AG0-0350000 | 35 | 40 | 35-45 |
| 1901076 | RJS1AG0-0430000 | 43 | 50 | 40-55 |
| 1902520 | RJS1AG0-0550000 | 55 | 63 | 55-62 |
| 1901142 | RJS1AG0-0660000 | 66 | 75 | 60-70 |
| 1901089 | RJS1AG0-0800000 | 80 | 90 | 70-90 |
| 1901641 | RJS1AG0-0990000 | 99 | 110 | 80-105 |
| 1902521 | RJS1AG0-1270000 | 127 | 140 | 120-150 |

HEAVY SERIES

Heavy series nylon chains are made strong and resistant to ensure high response to pull and push forces.

With their heavy connection pivot pin these chains offer high integrity in high performance application. Wide range of cross pieces and nylon separator available.



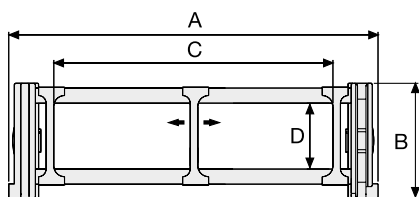
| Chain type | Pitch mm | Bending Radius | | C Internal width | | D Internal height | | A External width | | B External height |
|-------------|-------------|----------------|-------|---------------------|-------|----------------------|-------|---------------------|-------|----------------------|
| | | from mm | to mm | from mm | to mm | from mm | to mm | from mm | to mm | mm |
| 306 (SU, B) | 65 | 75 | 300 | 43 | 355 | 30 | 37 | 79 | 391 | 55 |
| 307 (SU, B) | 70 | 75 | 250 | 42 | 354 | 40 | 47 | 80 | 392 | 64 |
| 308 (SU, B) | 80 | 150 | 400 | 38 | 350 | 48 | 57 | 82 | 394 | 75 |
| 309 (SU, B) | 100 | 200 | 500 | 64 | 400 | 70 | 75,5 | 120 | 456 | 100 |
| 310 (T) | 145 | 200 | 750 | 200 | 600 | 112 | - | 260 | 660 | 150 |
| H57 | 90 | 150 | 400 | 50 | 362 | 57 | - | 88 | 400 | 85 |

SI/SE/SU=inner/outer/both radius snapfit, B=bars, T= aluminum draw plates

SLIDING SERIES

Sliding series nylon chains are made for long travel distance and high protection due to the travel in their guide channel. They have a completely smooth surface, integrated skids to permit the chain to slide on itself and no wearing thanks to special polymers.

Wide range of cross pieces and separators available.

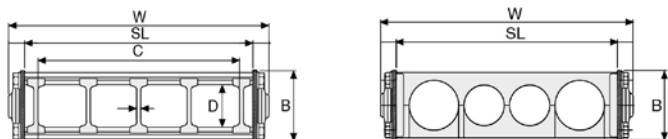


| Chain type | Pitch mm | Bending Radius | | C Internal width | | D Internal height | | A External width | | B External height |
|-----------------|-------------|----------------|-------|---------------------|-------|----------------------|-------|---------------------|-------|----------------------|
| | | from mm | to mm | from mm | to mm | from mm | to mm | from mm | to mm | mm |
| 326 (SI/SE, B) | 65 | 107 | 300 | 61 | 373 | 30 | 37 | 89 | 416 | 59 |
| 328 (SI/SE, B) | 80 | 150 | 400 | 61 | 373 | 48 | 57 | 116 | 428 | 79 |
| 319 (SE, B) | 100 | 200 | 500 | 64 | 400 | 70 | 75,5 | 128 | 464 | 107 |
| 329 (B, SU, CU) | 100 | 150 | 600 | 64 | 488 | 75,5 | - | 128 | 552 | 107 |
| 478(MI/ME) | 105 | 150 | 400 | 74 | 498 | 75,5 | - | 112 | 536 | 106,5 |
| M60 | 90 | 150 | 400 | 115 | 539 | 60,5 | - | 165 | 589 | 90 |
| M80 | 110 | 200 | 700 | 115 | 539 | 80,5 | - | 195 | 619 | 117 |
| H80 | 120 | 200 | 600 | 74 | 498 | 80,5 | - | 129 | 553 | 114 |
| H110 | 160 | 200 | 750 | 74 | 498 | 115 | - | 129 | 553 | 155 |

SI/SE/SU=inner/outer/both radius snapfit, B=bars, T= aluminum draw plates

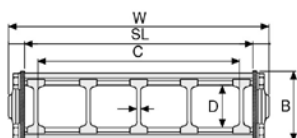
STEEL STANDARD CHAINS

Steel chains are born for all applications where the nylon chains are not suitable. Especially for rig, steel chain offers high performance, strength and security. These chains are made of stainless steel with a wide range of aluminum drilled frames or steel rods with movable separators.



| Chain type | Pitch mm | Bending Radius | | C Internal width | | D Internal height | | W External width | | B External height mm |
|------------|-------------|----------------|-------|---------------------|-------|----------------------|-------|---------------------|-------|----------------------------|
| | | from mm | to mm | from mm | to mm | from mm | to mm | from mm | to mm | |
| 20XL | 75 | 75 | 305 | 79 | 304 | 32 | - | internal width + 32 | | 53 |
| 30XL | 95 | 150 | 535 | 106 | 506 | 52 | 58 | 140 | 540 | 74 |
| 35XL | 125 | 200 | 600 | 104 | 504 | 65 | 70 | 148 | 548 | 95 |
| 40XN | - | - | - | - | - | - | - | - | - | - |
| 45XN | 250 | 400 | 1500 | 300 | 600 | 182 | 180 | 390 | 690 | 220 |

STEEL CUSTOM CHAINS



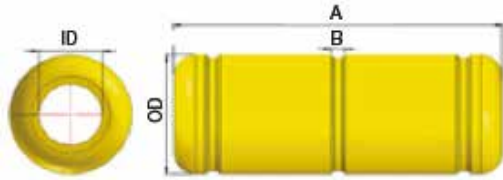
| Chain type | Pitch mm | Bending Radius | | C Internal width | | D Internal height | | W External width from mm | B External height mm |
|------------|-------------|----------------|-------|---------------------|-------|----------------------|-------|--------------------------------|----------------------------|
| | | from mm | to mm | from mm | to mm | from mm | to mm | | |
| 6350XB | 350 | 500 | 1500 | 500 | - | 337 | - | internal width + 98 | 400 |
| 8600XB | 625 | 700 | 200 | 1215 | - | 525 | - | internal width + 118 | 600 |
| 8700XB | 625 | 800 | 1800 | 760 | - | 625 | - | internal width + 118 | 700 |

HOSE FLOATS

Hose flotation devices are used in various fields of marine activities, such as offshore oil and gas industry and port facilities.

Material: Low density ethylene vinyl acetate

Feature: High buoyancy and excellent resistance to deforming or breaking



| Item code | Part Number | Hose DN | ID mm | OD mm | A Length mm | B Groove mm | Weight kg | Buoyancy kg |
|-----------|-----------------|---------|-------|-------|-------------|-------------|-----------|-------------|
| 2303992 | RMYGFLK-1000600 | 76 | 100 | 235 | 600 | 28 | 2,24 | 17 |
| 2303993 | RMYGFLK-1200600 | 102 | 120 | 235 | 600 | 28 | 2,07 | 15 |
| 2303994 | RMYGFLK-1450600 | 127 | 145 | 240 | 600 | 28 | 2,07 | 15 |
| 2306474 | | 127 | 145 | 280 | 750 | 32 | 2,24 | 22 |

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions:

all warranty claims shall be made within six (6) months after seller shipped the products. seller's liability and customer's remedy hereunder, under any theory of law or equity, including without limitation, for breach of contract, negligence, or otherwise, is limited, at seller's exclusive discretion, solely to 1) the purchase price of any products proving defective; 2) repair of any defective product or part thereof; or 3) replacement of any defective product or part upon its authorized return to seller.

This warranty is in lieu of and excludes, without limitation and to the fullest extent allowable by law, all other warranties or conditions, expressed, implied, statutory, or otherwise created under applicable law including, but not limited to, the warranty of merchantability, the warranty of fitness for a particular purpose, conditions of satisfactory quality, any obligation or warranty to remote purchasers, and those from a course of dealing or usage of trade.

In addition, this warranty shall not apply to any products or portions thereof that have been subjected to abuse, misuse, improper installation, maintenance, or operation, electrical failure or abnormal conditions, and to products that have been tampered with, altered, modified, repaired, reworked by anyone not approved by seller, or used in any manner inconsistent with any instructions or specifications provided with or for the product.

In no event shall seller or the manufacturer of the product have any liability whatsoever to any person, including without limitation, any immediate buyer, remote purchaser, or other third party, for any special, punitive, incidental, or consequential damages, including without limitation, loss of profits of customer or any other person, loss or damage to physical property of customer or any other person, and loss of anticipated revenue, profits, goodwill, savings, or other economic loss of customer or any other person, even if advised of the possibility thereof in advance, whether or not arising in, caused by, or resulting from, breach of contract, the negligence of seller and/or the manufacturer of the product, or otherwise, unless specifically provided herein and except any liability that cannot be excluded or limited by applicable law.

There are no warranties that extend beyond the description on the face hereof.

