



## // RIG SUPPLY



## // PROVIDING EXCELLENCE AND RELIABILITY

The ALFAGOMMA Group, established in 1956, is a global manufacturer specialized in highly engineered, technically demanding hydraulic and industrial products, created with a commitment to excellence in quality and innovation.

## // GLOBAL PRESENCE AND LOGISTIC SUPPORT

The ALFAGOMMA Group currently employs over 3000 people worldwide in 19 Production Plants and 85 Regional Distribution – Assembly Centers strategically located in:



### ALFAGOMMA GROUP

**19**

**MANUFACTURING PLANTS**

**IN 8 COUNTRIES**  
 ITALY – FINLAND  
 GERMANY – UK  
 USA – BRAZIL  
 CHINA – MALAYSIA

**85**

**SUBSIDIARIES AND ASSEMBLY PLANTS**

**IN 21 COUNTRIES AND 5 CONTINENTS**

**ISO**

**QUALITY CERTIFICATION**

**ISO 9001**  
 SINCE 1993  
**ISO 14001**  
 SINCE 1999

**3000**

**EMPLOYEES**

**AROUND THE WORLD**

ALFAGOMMA // DUNLOPHIFLEX // HIFLEX // ARGUS

## // BULK LOADING SYSTEM

ALFAGOMMA offers a complete range of rig supply hose, fittings and accessories to cover a wide variety of applications in loading/unloading operations from supply vessels to offshore platforms:

- ▲ Fuel-liquid mud
- ▲ Bulk material
- ▲ Potable water

The result is an integrated assembly system ABS approved.

All hose assemblies are pressure tested to guarantee control and safety during all operations in severe conditions.



### HOSE

Hard wall and soft wall constructions are available for each application, as well as self-floating versions.

Main features:

- ▲ Minimum 20 bar working pressure – 80 bar burst pressure
- ▲ Excellent tensile end load resistance
- ▲ Black conductive tube and cover and antistatic wire
- ▲ CR cover to ensure high resistance to abrasion and sea environment
- ▲ Helical brand tape for maximum visibility

### FITTINGS

Specially designed to fit ALFAGOMMA rig supply hose range.

Available range:

- ▲ NPTF male threaded couplings in plated and stainless steel
- ▲ Fixed and Swivel ASA150 flanged fittings in plated and stainless steel
- ▲ Pre-cripped one-piece system (up to 6")

### ACCESSORIES

To complete the system ALFAGOMMA provides a wide range of accessories for the specific requirements of rig supply applications: hose floaters, hook hose lifters, hammer lug unions, breakaway couplings, dry disconnect couplings.



## // COMPLETE HOSE & FITTINGS SOLUTIONS

| Hose | Structure | Self Floating Version | ID range in | WP bar | Safety Factor |
|------|-----------|-----------------------|-------------|--------|---------------|
|------|-----------|-----------------------|-------------|--------|---------------|



### FUEL, LIQUID MUD, SEA WATER, BULK MATERIAL

|  |                                   |                  |  |                   |                                    |       |
|--|-----------------------------------|------------------|--|-------------------|------------------------------------|-------|
|   | <b>648AA</b>                      | <b>Soft Wall</b> |  | 2" 3" 4" 5" 6"    | 20                                 | 4 : 1 |
|   | <b>615AA</b>                      | <b>Hard Wall</b> |  | 2" 3" 4" 5" 6" 8" | 20                                 | 4 : 1 |
|  | <b>622AA</b><br>(formerly 652AAZ) | <b>Hard Wall</b> |  | 3" 4" 5"          | 40 bar up to 4" ID<br>35 bar ID 5" | 4 : 1 |

### BULK MATERIAL

|   |              |                  |  |       |    |       |
|---|--------------|------------------|--|-------|----|-------|
|  | <b>748AA</b> | <b>Soft Wall</b> |  | 4" 5" | 20 | 4 : 1 |
|  | <b>715AA</b> | <b>Hard Wall</b> |  | 4" 5" | 20 | 4 : 1 |

### POTABLE WATER

|   |              |                  |  |          |    |       |
|---|--------------|------------------|--|----------|----|-------|
|  | <b>448LI</b> | <b>Soft Wall</b> |  | 2" 3" 4" | 20 | 4 : 1 |
|  | <b>415LI</b> | <b>Hard Wall</b> |  | 2" 3" 4" | 20 | 4 : 1 |

| Tensile end Load Resistance<br>kg                           | Working Temperature | Flammability test | ABS Type Approved Fittings |                                |                      |                       | Certificate       |
|---|---------------------|-------------------|----------------------------|--------------------------------|----------------------|-----------------------|-------------------|
|   |                     |                   | NPTF Male                  | NPTF Male for Hook hose lifter | Fixed Flange ASA 150 | Swivel Flange ASA 150 |                   |
| ID 2" 2.000<br>ID 3" 4.000<br>ID 4" 7.000<br>ID ≥ 5" 10.000 | -30 / +90 °C        | EN 1762 - Annex A | ◆                          | ◆                              | ◆                    | ◆                     | <b>ABS</b>        |
| ID 2" 2.000<br>ID 3" 4.000<br>ID 4" 7.000<br>ID ≥ 5" 10.000 | -30 / +90 °C        | EN 1762 - Annex A | ◆                          | ◆                              | ◆                    | ◆                     | <b>ABS</b>        |
| ID 3" 6.000<br>ID ≥ 4" 10.000                               | -30 / +90 °C        | EN 1762 - Annex A | ◆                          | ◆                              | ◆                    | ◆                     | <b>ABS</b>        |
| ID 4" 7.000<br>ID ≥ 5" 10.000                               | -30 / +80 °C        | EN 1762 - Annex A | ◆                          | ◆                              | ◆                    | ◆                     | <b>ABS</b>        |
| ID 4" 7.000<br>ID ≥ 5" 10.000                               | -30 / +80 °C        | EN 1762 - Annex A | ◆                          | ◆                              | ◆                    | ◆                     | <b>ABS</b>        |
| ID 2" 2.000<br>ID 3" 4.000<br>ID 4" 7.000                   | -30 / +80 °C        |                   | ◆                          | ◆                              | ◆                    | ◆                     | <b>ABS</b><br>FDA |
| ID 2" 2.000<br>ID 3" 4.000<br>ID 4" 7.000                   | -30 / +80 °C        |                   | ◆                          | ◆                              | ◆                    | ◆                     | <b>ABS</b><br>FDA |

## // FUEL, LIQUID MUD, SEA WATER, BULK MATERIAL

### // 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 bulk material 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

**Constant operation:** -30 °C +90 °C (-22 °F +194 °F)

| ↔     |    | ↔      |      | ↙   |     | ↘   |      | ⤵     |       | ⤴ | ⚖     |       |
|-------|----|--------|------|-----|-----|-----|------|-------|-------|---|-------|-------|
| mm    | in | mm     | in   | bar | psi | bar | psi  | mm    | in    | % | kg/m  | lb/ft |
| 51,0  | 2" | 67,00  | 2,64 | 20  | 300 | 80  | 1200 | 300,0 | 11,81 |   | 1,890 | 1,28  |
| 76,0  | 3" | 94,00  | 3,70 | 20  | 300 | 80  | 1200 | 456,0 | 17,95 |   | 2,950 | 1,99  |
| 102,0 | 4" | 120,00 | 4,72 | 20  | 300 | 80  | 1200 | 612,0 | 24,09 |   | 3,950 | 2,66  |
| 127,0 | 5" | 147,00 | 5,79 | 20  | 225 | 80  | 900  | 762,0 | 30,00 |   | 5,640 | 3,80  |
| 152,0 | 6" | 176,00 | 6,93 | 20  | 225 | 80  | 900  | 912,0 | 35,91 |   | 8,030 | 5,40  |

### // 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 bulk material transfer.

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

Tensile end load resistance:

ID 2" 2.000 kg

ID 3" 4.000 kg

ID 4" 7.000 kg

ID ≥ 5" 10.000 kg

**Constant operation:** -30 °C +90 °C (-22 °F +194 °F)

| ↔     |    | ↔      |      | ↙   |     | ↘   |      | ⤵      |       | ⤴   | ⚖      |       |
|-------|----|--------|------|-----|-----|-----|------|--------|-------|-----|--------|-------|
| mm    | in | mm     | in   | bar | psi | bar | psi  | mm     | in    | %   | kg/m   | lb/ft |
| 51,0  | 2" | 67,00  | 2,64 | 20  | 300 | 80  | 1200 | 255,0  | 10,04 | 100 | 2,230  | 1,50  |
| 76,0  | 3" | 94,00  | 3,70 | 20  | 300 | 80  | 1200 | 380,0  | 14,96 | 90  | 3,800  | 2,56  |
| 102,0 | 4" | 122,00 | 4,80 | 20  | 300 | 80  | 1200 | 510,0  | 20,08 | 90  | 5,480  | 3,69  |
| 127,0 | 5" | 149,00 | 5,87 | 20  | 300 | 80  | 1200 | 635,0  | 25,00 | 90  | 7,760  | 5,22  |
| 152,0 | 6" | 176,00 | 6,93 | 20  | 300 | 80  | 1200 | 760,0  | 29,92 | 90  | 10,200 | 6,86  |
| 203,0 | 8" | 237,00 | 9,33 | 20  | 225 | 80  | 900  | 1015,0 | 39,96 | 90  | 19,060 | 12,81 |

Dimensions shown may be changed without prior notice.

## // 622AA



ABS

### 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 bulk material transfer.

Tensile end load resistance:

ID 3" 6.000 kg

ID ≥ 4" 10.000 kg

**Constant operation:** -30 °C +90 °C (-22 °F +194 °F)

| ↔     |    | ↔      |      | ↻   |     | ↻   |      | ↷     |       | ⌋⌋ | ⌚      |       |
|-------|----|--------|------|-----|-----|-----|------|-------|-------|----|--------|-------|
| mm    | in | mm     | in   | bar | psi | bar | psi  | mm    | in    | %  | kg/m   | lb/ft |
| 76,0  | 3" | 98,00  | 3,86 | 40  | 600 | 160 | 2320 | 380,0 | 14,96 | 90 | 4,870  | 3,28  |
| 102,0 | 4" | 128,00 | 5,04 | 40  | 600 | 160 | 2320 | 510,0 | 20,08 | 90 | 7,430  | 5,00  |
| 127,0 | 5" | 157,00 | 6,18 | 35  | 525 | 140 | 2000 | 635,0 | 25,00 | 90 | 11,160 | 7,51  |

## // BULK MATERIAL

### // 748AA



ABS

#### 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

**Constant operation:** -30 °C +80 °C (-22 °F +176 °F)

| ↔     |    | ↔      |      | ↻   |     | ↻   |      | ⌒     |       | ⚡ | ⚖     |       |
|-------|----|--------|------|-----|-----|-----|------|-------|-------|---|-------|-------|
| mm    | in | mm     | in   | bar | psi | bar | psi  | mm    | in    | % | kg/m  | lb/ft |
| 102,0 | 4" | 122,00 | 4,80 | 20  | 300 | 80  | 1200 | 612,0 | 24,09 |   | 4,470 | 3,01  |
| 127,0 | 5" | 149,00 | 5,87 | 20  | 300 | 80  | 1200 | 762,0 | 30,00 |   | 6,330 | 4,26  |

### // 715AA



ABS

#### 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

**Constant operation:** -30 °C +80 °C (-22 °F +176 °F)

| ↔     |    | ↔      |      | ↻   |     | ↻   |      | ⌒     |       | ⚡  | ⚖     |       |
|-------|----|--------|------|-----|-----|-----|------|-------|-------|----|-------|-------|
| mm    | in | mm     | in   | bar | psi | bar | psi  | mm    | in    | %  | kg/m  | lb/ft |
| 102,0 | 4" | 124,00 | 4,88 | 20  | 300 | 80  | 1200 | 510,0 | 20,08 | 90 | 6,060 | 4,08  |
| 127,0 | 5" | 151,00 | 5,94 | 20  | 300 | 80  | 1200 | 635,0 | 25,00 | 90 | 8,540 | 5,74  |



Dimensions shown may be changed without prior notice.

## // POTABLE WATER

## // 448LI



ABS

**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. Sterilize with 5% soda solution.

Tensile end load resistance:

ID 2" 2.000 kg

ID 3" 4.000 kg

ID 4" 7.000 kg

**Constant operation:** -30 °C +80 °C (-22 °F +176 °F)

| ↔     |    | ↔      |      | ↻   |     | ↻   |      | ↵     |       | ⚖ |       |       |
|-------|----|--------|------|-----|-----|-----|------|-------|-------|---|-------|-------|
| mm    | in | mm     | in   | bar | psi | bar | psi  | mm    | in    | % | kg/m  | lb/ft |
| 51,0  | 2" | 67,00  | 2,64 | 20  | 300 | 80  | 1200 | 300,0 | 11,81 |   | 1,880 | 1,27  |
| 76,0  | 3" | 94,00  | 3,70 | 20  | 300 | 80  | 1200 | 456,0 | 17,95 |   | 2,960 | 1,99  |
| 102,0 | 4" | 120,00 | 4,72 | 20  | 300 | 80  | 1200 | 612,0 | 24,09 |   | 3,990 | 2,69  |

## // 415LI



ABS

**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. Reserve buoyancy calculated according to GMPHOM 2009 standard.

Tensile end load resistance:

ID 2" 2.000 kg

ID 3" 4.000 kg

ID 4" 7.000 kg

**Constant operation:** -30 °C +80 °C (-22 °F +176 °F)

| ↔     |    | ↔      |      | ↻   |     | ↻   |      | ↵     |       | ⚖   |       |       |
|-------|----|--------|------|-----|-----|-----|------|-------|-------|-----|-------|-------|
| mm    | in | mm     | in   | bar | psi | bar | psi  | mm    | in    | %   | kg/m  | lb/ft |
| 51,0  | 2" | 67,00  | 2,64 | 20  | 300 | 80  | 1200 | 255,0 | 10,04 | 100 | 2,230 | 1,50  |
| 76,0  | 3" | 94,00  | 3,70 | 20  | 300 | 80  | 1200 | 380,0 | 14,96 | 90  | 3,800 | 2,56  |
| 102,0 | 4" | 122,00 | 4,80 | 20  | 300 | 80  | 1200 | 510,0 | 20,08 | 90  | 5,580 | 3,76  |

## // COMBINATION NIPPLE

### // ALFACRIMP COMBINATION NIPPLE

**NPTF Male complete with pre-crimped ferrule - Plated steel**



| Item Code | Part Number     | Hose ID in | Hose ID mm | Thread in | Thread type | Hose OD min-max mm |
|-----------|-----------------|------------|------------|-----------|-------------|--------------------|
| 2302332   | I1728M00-076090 | 3          | 76         | 3         | NPT         | 88-102             |
| 2302333   | I1728M00-102114 | 4          | 102        | 4         | NPT         | 114-128            |
| 2302334   | I1728M00-127140 | 5          | 127        | 5         | NPT         | 139-153            |
| 2302335   | I1728M00-152165 | 6          | 152        | 6         | NPT         | 166-184            |
|           | I1728MOD-102114 | 4          | 102        | 4         | NPT         | 132                |
| 2307464   | I1728MOD-127140 | 5          | 127        | 5         | NPT         | 157                |

### // ALFACRIMP COMBINATION NIPPLE

**NPTF Male complete with pre-crimped ferrule - Stainless steel 316**



| Item Code | Part Number     | Hose ID in | Hose ID mm | Thread in | Thread type | Hose OD min-max mm |
|-----------|-----------------|------------|------------|-----------|-------------|--------------------|
| 2307196   | I3728M00-076090 | 3          | 76         | 3         | NPT         | 88-102             |
| 2307198   | I3728M00-102114 | 4          | 102        | 4         | NPT         | 114-128            |
| 2307200   | I3728M00-127140 | 5          | 127        | 5         | NPT         | 139-153            |
| 2307202   | I3728M00-152165 | 6          | 152        | 6         | NPT         | 166-184            |
|           | I3728MOD-102114 | 4          | 102        | 4         | NPT         | 132                |
|           | I3728MOD-127140 | 5          | 127        | 5         | NPT         | 157                |

OTHER THREAD TYPE ON REQUEST

Dimensions shown may be changed without prior notice.

## // ALFACRIMP COMBINATION NIPPLE

**NPTF Male complete with pre-crimped ferrule - Offshore for Hook hose lifter - Plated Steel**



| Item Code | Part Number     | Hose ID in | Hose ID mm | Thread in | Thread type | Hose OD min-max mm |
|-----------|-----------------|------------|------------|-----------|-------------|--------------------|
| 2302375   | I17F8M00-076090 | 3          | 76         | 3         | NPT         | 88-102             |
| 2302376   | I17F8M00-102114 | 4          | 102        | 4         | NPT         | 114-128            |
| 2302377   | I17F8M00-127140 | 5          | 127        | 5         | NPT         | 139-153            |
| 2302378   | I17F8M00-152165 | 6          | 152        | 6         | NPT         | 166-184            |
|           | I17F8M0D-102114 | 4          | 102        | 4         | NPT         | 132                |
|           | I17F8M0D-127140 | 5          | 127        | 5         | NPT         | 157                |

## // ALFACRIMP COMBINATION NIPPLE

**NPTF Male complete with pre-crimped ferrule - Offshore for Hook hose lifter - Stainless steel 316**



| Item Code | Part Number     | Hose ID in | Hose ID mm | Thread in | Thread type | Hose OD min-max mm |
|-----------|-----------------|------------|------------|-----------|-------------|--------------------|
|           | I37F8M00-076090 | 3          | 76         | 3         | NPT         | 88-102             |
|           | I37F8M00-102114 | 4          | 102        | 4         | NPT         | 114-128            |
|           | I37F8M00-127140 | 5          | 127        | 5         | NPT         | 139-153            |
|           | I37F8M00-152165 | 6          | 152        | 6         | NPT         | 166-184            |
|           | I37F8M0D-102114 | 4          | 102        | 4         | NPT         | 132                |
|           | I37F8M0D-127140 | 5          | 127        | 5         | NPT         | 157                |

## // COMBINATION NIPPLE

**NPTF Male**



| Item Code | Part Number     | Hose ID in | Hose ID mm | Thread in | Thread type | Material     | Note Ferrule to be used   |
|-----------|-----------------|------------|------------|-----------|-------------|--------------|---------------------------|
| 1201370   | H1212810-323200 | 2          | 51         | 2         | NPT         | PLATED STEEL | 1236591 (H1200TX2-320000) |
| 1240548   | H3212810-323200 | 2          | 51         | 2         | NPT         | S/S 316      | 1240554 (H3200TX2-320000) |



| Item Code | Part Number     | Hose ID in | Hose ID mm | Thread in | Thread type | Material     | Note Ferrule to be used   |
|-----------|-----------------|------------|------------|-----------|-------------|--------------|---------------------------|
| 2307455   | I1728100-203219 | 8          | 203        | 8         | NPT         | PLATED STEEL | 2307171 (I107U203-219235) |
|           | I3728100-203219 | 8          | 203        | 8         | NPT         | S/S 316      | 2307173 (I307U203-219235) |

OTHER THREAD TYPE ON REQUEST

## // FIXED FLANGE ASA 150

### // FIXED FLANGE - SLIP ON RF - ASA 150

Serrated hose shank complete with pre-crimped ferrule - Plated Steel



| Item Code | Part Number     | Hose ID in | Hose ID mm | Flange type | Hose OD min-max mm |
|-----------|-----------------|------------|------------|-------------|--------------------|
| 2307300   | I17BEW7B-076076 | 3          | 76         | ASA 150     | 88-102             |
| 2302366   | I17BEW7B-102102 | 4          | 102        | ASA 150     | 114-128            |
| 2307303   | I17BEW7B-127127 | 5          | 127        | ASA 150     | 139-153            |
| 2302368   | I17BEW7B-152152 | 6          | 152        | ASA 150     | 166-184            |
|           | I17BEW7B-00D102 | 4          | 102        | ASA 150     | 132                |
|           | I17BEW7B-00D127 | 5          | 127        | ASA 150     | 157                |

### // FIXED FLANGE - SLIP ON RF - ASA 150

Serrated hose shank complete with pre-crimped ferrule - Stainless steel 316



| Item Code | Part Number     | Hose ID in | Hose ID mm | Flange type | Hose OD min-max mm |
|-----------|-----------------|------------|------------|-------------|--------------------|
| 2307330   | I37BEW7B-076076 | 3          | 76         | ASA 150     | 88-102             |
| 2307332   | I37BEW7B-102102 | 4          | 102        | ASA 150     | 114-128            |
| 2307334   | I37BEW7B-127127 | 5          | 127        | ASA 150     | 139-153            |
| 2307336   | I37BEW7B-152152 | 6          | 152        | ASA 150     | 166-184            |
|           | I37BEW7B-00D102 | 4          | 102        | ASA 150     | 132                |
|           | I37BEW7B-00D127 | 5          | 127        | ASA 150     | 157                |

### // FIXED FLANGE - SLIP ON RF - ASA 150

Serrated hose shank



| Item Code | Part Number     | Hose ID in | Hose ID mm | Flange type | Material Hose shank & Flange | Note Ferrule to be used   |
|-----------|-----------------|------------|------------|-------------|------------------------------|---------------------------|
| 2307211   | I17BE67B-A00051 | 2          | 51         | ASA 150     | PLATED STEEL                 | 1236591 (H1200TX2-320000) |
| 2307255   | I37BE67B-A00051 | 2          | 51         | ASA 150     | S/S 316                      | 1240554 (H3200TX2-320000) |
| 2307220   | I17BE67B-A00203 | 8          | 203        | ASA 150     | PLATED STEEL                 | 2307171 (I107U203-219235) |
| 2307264   | I37BE67B-A00203 | 8          | 203        | ASA 150     | S/S 316                      | 2307173 (I307U203-219235) |

OTHER FLANGE TYPE ON REQUEST

Dimensions shown may be changed without prior notice.

**// SWIVEL FLANGE ASA 150****// SWIVEL FLANGE - LAP JOINT FF - ASA 150****Serrated hose shank complete with pre-crimped ferrule - Plated Steel**

| Item Code | Part Number     | Hose ID in | Hose ID mm | Flange type | Hose OD min-max mm |
|-----------|-----------------|------------|------------|-------------|--------------------|
| 2307306   | I17BET9A-076076 | 3          | 76         | ASA 150     | 88-102             |
| 2307308   | I17BET9A-102102 | 4          | 102        | ASA 150     | 114-128            |
| 2307310   | I17BET9A-127127 | 5          | 127        | ASA 150     | 139-153            |
| 2307312   | I17BET9A-152152 | 6          | 152        | ASA 150     | 166-184            |
|           | I17BET9A-00D102 | 4          | 102        | ASA 150     | 132                |
|           | I17BET9A-00D127 | 5          | 127        | ASA 150     | 157                |

**// SWIVEL FLANGE - LAP JOINT FF - ASA 150****Serrated hose shank complete with pre-crimped ferrule - Stainless steel 316**

| Item Code | Part Number     | Hose ID in | Hose ID mm | Flange type | Hose OD min-max mm |
|-----------|-----------------|------------|------------|-------------|--------------------|
| 2307338   | I37BET9A-076076 | 3          | 76         | ASA 150     | 88-102             |
| 2307340   | I37BET9A-102102 | 4          | 102        | ASA 150     | 114-128            |
| 2307342   | I37BET9A-127127 | 5          | 127        | ASA 150     | 139-153            |
| 2307344   | I37BET9A-152152 | 6          | 152        | ASA 150     | 166-184            |
|           | I37BET9A-00D102 | 4          | 102        | ASA 150     | 132                |
|           | I37BET9A-00D127 | 5          | 127        | ASA 150     | 157                |

**// SWIVEL FLANGE - LAP JOINT FF - ASA 150****Serrated hose shank**

| Item Code | Part Number     | Hose ID in | Hose ID mm | Flange type | Material Hose shank & Flange | Note Ferrule to be used   |
|-----------|-----------------|------------|------------|-------------|------------------------------|---------------------------|
| 2307222   | I17BE79A-A00051 | 2          | 51         | ASA 150     | PLATED STEEL                 | 1236591 (H1200TX2-320000) |
| 2307266   | I37BE79A-A00051 | 2          | 51         | ASA 150     | S/S 316                      | 1240554 (H3200TX2-320000) |
| 2307231   | I17BE79A-A00203 | 8          | 203        | ASA 150     | PLATED STEEL                 | 2307171 (I107U203-219235) |
| 2307275   | I37BE79A-A00203 | 8          | 203        | ASA 150     | S/S 316                      | 2307173 (I307U203-219235) |

OTHER FLANGE TYPE ON REQUEST

## // ACCESSORIES

### // HOSE FLOAT



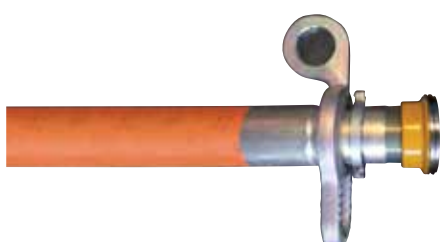
**Features:**

- High buoyancy.
- Strong elastic material with excellent resistance to deformation.

**Material:** low density ethylene vinyl acetate (EVA).

**Size:** 3" - 4" - 5"

### // HOOK HOSE LIFTER



**Features:**

Specifically designed for use in bulk loading hose to move the string during bunkering operations.

Supplied with a retaining clamp to prevent the hook moving out of place on the swaged fitting.

Provided with proof load test certificate.

**Material:** forged steel.

**Size:** 3" - 4" - 5" - 6"

**Range:**

- Single eye
- Double eye

### // HAMMER LUG UNION



**Features:**

Three lug nuts and self-locking ACME threads to provide a quick make-up and break-out. Color coded for quick identification.

**Material:** forged steel matching ASTM or AISI standards.

**Range:**

- Fig.50: cold working pressure: 500 psi. Available with female thread.
- Fig.100: cold working pressure: 1.000 psi. Available with female thread.
- Fig.200: cold working pressure: 2.000 psi. Available with female thread.
- Fig.206: similar to Fig.200 with a secondary seal (O-ring presence in male sub). Recommended for use in corrosive environments. Cold working pressure: 2.000 psi. Available with female thread.

Other union type on request.

Dimensions shown may be changed without prior notice.

## // SAFETY BREAK-AWAY COUPLING



### Features:

Designed to prevent pull away accidents, protect terminal and loading/unloading equipment and eliminate unwanted product release.

**Maximum Working pressure:** 10/16/25 bar

**Material:** aluminium, stainless steel. Others on request.

**Sizes:** from 2" up to 6"

**Connections:** female and male thread (NPT/BSP), flange (ANSI/EN). Other connections on request.

### Range:

- Marine Break-away
- Industrial Break-away

## // DRY DISCONNECT COUPLING



### Features:

Self-sealing design to ensure the highest level of safety in applications where zero tolerance spillage is required.

**Material:** aluminium, stainless steel and others on request.

**Size:** from 2" up to 6"

**Connections:** available with female/male thread (NPT/BSP) and flange (ANSI/EN).



**HEADQUARTER**

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