



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

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

BULK MATERIAL

	748AA	Soft Wall		4" 5"	20	4 : 1
	715AA	Hard Wall		4" 5"	20	4 : 1

POTABLE WATER

	448LI	Soft Wall		2" 3" 4"	20	4 : 1
	415LI	Hard Wall		2" 3" 4"	20	4 : 1

Tensile end Load Resistance 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 ID 3" 4.000 ID 4" 7.000 ID ≥ 5" 10.000	-30 / +90 °C	EN 1762 - Annex A	◆	◆	◆	◆	ABS
ID 2" 2.000 ID 3" 4.000 ID 4" 7.000 ID ≥ 5" 10.000	-30 / +90 °C	EN 1762 - Annex A	◆	◆	◆	◆	ABS
ID 3" 6.000 ID ≥ 4" 10.000	-30 / +90 °C	EN 1762 - Annex A	◆	◆	◆	◆	ABS
ID 4" 7.000 ID ≥ 5" 10.000	-30 / +80 °C	EN 1762 - Annex A	◆	◆	◆	◆	ABS
ID 4" 7.000 ID ≥ 5" 10.000	-30 / +80 °C	EN 1762 - Annex A	◆	◆	◆	◆	ABS
ID 2" 2.000 ID 3" 4.000 ID 4" 7.000	-30 / +80 °C		◆	◆	◆	◆	ABS FDA
ID 2" 2.000 ID 3" 4.000 ID 4" 7.000	-30 / +80 °C		◆	◆	◆	◆	ABS 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



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



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



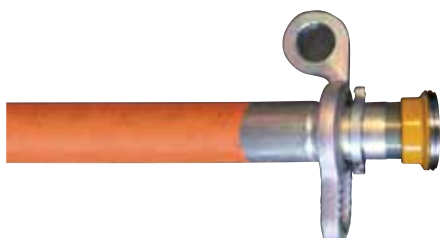
Features:

- 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

Alfagomma SpA
Via Torri Bianche 1
20871 Vimercate (MB) Italy
marketing@alfagomma.com
www.alfagomma.com