



AGRICULTURE



ALFAGOMMA

Since 1956 ALFAGOMMA has been manufacturing and delivering top quality products all over the world.

ALFAGOMMA believe in the importance of offering an excellent service to all its customers along with a continuous new product research and development, a technical innovation and customized solutions, a constant high quality exceeding ISO 9001 quality standards and full compliance with ISO 14001 environmental norms, a global presence and logistic support a strong OEM expertise and customized solutions.



// CORE BUSINESS

ALFAGOMMA strategy is to be a single source integrated system supplier supporting its partners with a complete product range:

- Hydraulic Rubber & Thermoplastic Hose
- Fittings & Adapters
- Quick Release Couplings and Multi-K
- Swivel & Plug-in Connectors
- Hydraulic Hose Assemblies
- Manipulated Tubes
- Industrial Rubber, Thermoplastic & Composite Hose
- Industrial Stainless Steel Corrugated Hose
- Industrial Fittings
- Industrial Hose Assemblies

// GLOBAL PRESENCE AND LOGISTIC SUPPORT

The ALFAGOMMA Group currently employs over 3600 people worldwide in 21 Production Plants and 85 Regional Distribution – Assembly Centers strategically located in:



AMERICAS

- // Brazil
- // Canada
- // USA

AFRICA

- // South Africa

EUROPE

- // Italy
- // Denmark
- // Estonia
- // Finland
- // France
- // Germany
- // Greece
- // Netherland
- // Norway
- // Sweden
- // UK

ASIA & PACIFIC

- // Australia
- // China
- // Indonesia
- // Malaysia
- // Singapore
- // South Korea

// AGRICULTURE

ALFAGOMMA offers a complete range of industrial and hydraulic products, specially designed for different applications in the agriculture and food industries:

- Irrigation & Manuring
- Crop Spraying
- Air Seeding
- Milk, Fat Food and Alcoholic beverages transfer
- Power Transmission

Hose, fittings and Quick Release Couplings are developed to meet all challenging requirements of agricultural applications and guarantee quality, reliability and top performance of equipment, providing high productivity and efficiency.

// INDUSTRIAL HOSE & FITTINGS

- Suction and/or discharge constructions for light to heavy duty applications
- High flexibility and vacuum performance
- Mild chemicals and fertilizers resistant tube
- Ozone and abrasion resistant cover
- Wide temperature range
- Full selection of fittings to meet worldwide market requirements

// HYDRAULIC HOSE, FITTINGS & QRC

- Constant working pressure for all agricultural applications
- Special spiralled construction for extreme flexibility
- Long impulse life
- High temperature performance
- Top abrasion resistance
- Wide and complete range of fittings and QRC for all types of equipment

ALFAGOMMA global network can reach the OEMs, dealers and retail customers wherever they are located, offering local supply, technical support and customized solutions.



// COMPLETE AND INTEGRATED HYDRAULIC SYSTEM

- // Safe and reliable integrated system
- // Full range of hoses, fittings, adaptors and quick release couplings
- // Carbon steel and stainless steel rigid pipes
- // Customised systems and kits
- // Wide range of articles in stock
- // Top Coat surface treatment on all our metal parts



Minimum Bend Radius =
2 x Internal Diameter



2004/1935 EC
2006/2023 EC



Minimum Bend Radius =
3 x Internal Diameter



Phthalate Free



Electrical resistance along the conductive
layers
≤ 10⁻⁶ Ω/length



IANESCO approved

AGRICULTURE

- // IRRIGATION & MANURING
- // CROP SPRAYING
- // AIR SEEDER



// AGRICULTURE - HOSE & RECOMMENDED FITTING TABLE

HOSE					FITTINGS	
Hose	Tube	ID Range (mm)	Temp. Range (°C)	Bauer	Cardan-Perrot	
						
IRRIGATION & MANURING	286EE 	PVC	38 - 203	-10 +60	●	●
	288HH 	PVC	25 - 152	-10 +60	●	●
	253AA 	EPDM	32 - 305	-30 +80	●	●
	254AA 	SBR	19 - 102	-30 +80	●	●
	256AA 	EPDM	51 - 152	-30 +80	●	●
	202AA 	EPDM	25 - 254	-40 +100	●	●
	221AA 	SBR	76 - 203	-30 +80	●	●
	2P1AA 	Synthetic rubber	51 - 203	-30 +80	●	●
	264GL 	PVC	20 - 51	-5 +60	●	●
	266GL 	PVC	25 - 203	-5 +60	●	●
	266KL 	PVC	20 - 102	-5 +60	●	●
	466OL 	PVC	20 - 120	-5 +60		
	266OL 	PVC	38 - 51	-20 +60	●	●
	265TH 	PVC	51 - 152	-20 +60	●	●
	267BE 	PVC	25 - 203	-20 +60	●	●
	269BA 	PVC / NBR	51 - 152	-30 +60	●	●
	268BL 	PVC	25 - 203	-5 +60	●	●
	CROP SPRAYING	591AE 	PVC	8 - 25	-5 +60	
593AK 		PVC	8 - 13	-5 +60		
AIR SEEDER	161BL 	PVC	20 - 76	-10 +60		
	266OA 	PVC	25 - 76	-5 +60		
	702AA 	NR	32 - 76	-30 +80		

* Flanged fitting with pre-crimped ferrule not to be used

The match hose/fitting is just an indication and needs checking depending on the actual application. The final choice is on customer's responsibility.

Type 42	Symmetric Guillemin	Storz	Cam & Groove	Combination nipple	Comb. nipple precrimped Ferrule	Flange PN10/16 ASA150 - Table D	Hydraulic Fittings
●	●	●	●				
●	●	●	●				
●	●	●	●	●		●*	
●		●	●	●	●	●	●
●	●				●	●	●
●	●	●	●		●	●	
●			●	●		●	
●			●	●		●	
●	●	●	●				
●	●	●	●				
●	●	●	●				
●	●	●	●				
●	●	●	●	●			
●	●	●	●				
●	●	●	●	●			
●	●	●	●				

Recommended fittings on request

Recommended fittings on request

Connected directly to the machine by clamps

Connected directly to the machine by clamps	●	●					
Connected directly to the machine by clamps	●	●					

// IRRIGATION & MANURING

// 286EE



Water discharge - PVC - Lay flat - Standard duty

Tube: blue PVC.
Reinforcement: high tensile textile cords.
Cover: blue PVC - abrasion and ozone resistant.
Application: lay flat water discharge.
Constant operation: -10 °C +60 °C (+14 °F +140 °F)

↔		↔		↙		↘		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
38,0	1 1/2"			5	75	15	225				0,210	0,15
51,0	2"			5	75	15	225				0,270	0,19
63,0	2 1/2"			4	60	12	180				0,380	0,26
76,0	3"			4	60	12	180				0,530	0,36
102,0	4"			4	60	12	180				0,710	0,48
152,0	6"			3	45	9	135				1,180	0,80
203,0	8"			3	45	9	135				1,800	1,21

// 288HH



Water discharge - PVC - Lay flat - Heavy duty

Tube: Red PVC.
Reinforcement: high tensile textile cords.
Cover: red PVC - abrasion and ozone resistant.
Application: lay flat water discharge.
Constant operation: -10 °C +60 °C (+14 °F +140 °F)

↔		↔		↙		↘		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"			10	150	30	450				0,250	0,17
32,0	1 1/4"			10	150	30	450				0,300	0,21
38,0	1 1/2"			10	150	30	450				0,330	0,23
45,0	1 3/4"			10	150	30	450				0,430	0,29
51,0	2"			8	120	24	350				0,480	0,33
63,0	2 1/2"			8	120	24	350				0,590	0,40
76,0	3"			7	100	21	300				0,770	0,52
102,0	4"			6	90	18	270				0,980	0,66
152,0	6"			5	75	15	225				1,600	1,08

Dimensions shown may be changed without prior notice

// 253AA



Water discharge 10 bar (150 psi) - Lay flat

Tube: black EPDM.
Reinforcement: high tensile textile cords.
Cover: black EPDM - abrasion and ozone resistant.
Application: lay flat water discharge.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

↔		↔		↻		↻		↵		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
32,0	1 1/4"	40,00	1,57	10	150	30	450				0,460	0,31
38,0	1 1/2"	46,00	1,81	10	150	30	450				0,540	0,37
40,0	1 9/16"	48,00	1,89	10	150	30	450				0,570	0,39
45,0	1 3/4"	53,00	2,09	10	150	30	450				0,660	0,45
51,0	2"	59,00	2,32	10	150	30	450				0,730	0,50
60,0	2 3/8"	68,00	2,68	10	150	30	450				0,860	0,58
63,0	2 1/2"	71,00	2,80	10	150	30	450				0,900	0,61
70,0	2 3/4"	80,00	3,15	10	150	30	450				1,380	0,93
76,0	3"	86,00	3,39	10	150	30	450				1,480	1,00
90,0	3 1/2"	100,00	3,94	10	150	30	450				1,720	1,16
102,0	4"	112,00	4,41	10	150	30	450				2,040	1,38
127,0	5"	139,00	5,47	10	150	30	450				2,730	1,84
152,0	6"	164,00	6,46	10	150	30	450				3,360	2,26
168,0	6 5/8"	180,00	7,09	10	150	30	450				3,560	2,40
203,0	8"	217,00	8,54	10	150	20	300				4,810	3,24
254,0	10"	270,00	10,63	10	150	20	300				7,680	5,17
305,0	12"	319,00	12,56	10	150	20	300				8,870	5,97

// 254AA



Air-water delivery 10 bar (150 psi)

Tube: black SBR.
Reinforcement: high tensile textile cords.
Cover: black SBR - abrasion and ozone resistant.
Application: air and water delivery.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

↔		↔		↻		↻		↵		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	27,00	1,06	10	150	30	450				0,400	0,27
25,0	1"	33,00	1,30	10	150	30	450				0,540	0,37
32,0	1 1/4"	42,00	1,65	10	150	30	450				0,830	0,56
38,0	1 1/2"	48,00	1,89	10	150	30	450				0,980	0,66
51,0	2"	61,00	2,40	10	150	30	450				1,290	0,87
63,0	2 1/2"	75,00	2,95	10	150	30	450				1,920	1,30
76,0	3"	88,00	3,46	10	150	30	450				2,310	1,56
102,0	4"	114,00	4,49	10	150	30	450				3,120	2,10

// 256AA



Water-irrigation 18 bar (270 psi) - Heavy duty

Tube: black EPDM.
Reinforcement: high tensile textile cords.
Cover: black EPDM - abrasion and ozone resistant.
Application: heavy duty water discharge. Specially designed for high pressure irrigation systems.
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"	61,00	2,40	18	270	45	650				1,070	0,72
60,0	2 3/8"	72,00	2,83	18	270	45	650				1,390	0,94
70,0	2 3/4"	82,00	3,23	18	270	45	650				1,610	1,09
76,0	3"	88,00	3,46	18	270	45	650				1,720	1,16
80,0	3 1/8"	92,00	3,62	18	270	45	650				1,880	1,27
90,0	3 1/2"	102,00	4,02	18	270	45	650				2,080	1,40
102,0	4"	114,00	4,49	18	270	45	650				2,360	1,59
120,0	4 3/4"	132,00	5,20	18	270	45	650				2,870	1,93
152,0	6"	168,00	6,61	18	270	36	540				4,920	3,31

// 202AA



General purpose S&D 10 bar (150 psi) - EPDM

Tube: black conductive EPDM.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black conductive EPDM - abrasion and ozone resistant.
Application: water suction and delivery. Also suitable for mild chemicals and fertilizers in general industrial and agricultural applications.
Constant operation: -40 °C +100 °C (-40 °F +212 °F) depending on conveyed chemical

↔		↔		↻		↻		↷		⚖	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	36,00	1,42	10	150	30	450	100,0	3,94	100	0,730	0,50
30,0	1 3/16"	41,00	1,61	10	150	30	450	120,0	4,72	100	0,820	0,56
32,0	1 1/4"	43,00	1,69	10	150	30	450	128,0	5,04	100	0,860	0,58
38,0	1 1/2"	49,00	1,93	10	150	30	450	152,0	5,98	100	1,000	0,68
40,0	1 9/16"	51,00	2,01	10	150	30	450	160,0	6,30	100	1,050	0,71
45,0	1 3/4"	56,00	2,20	10	150	30	450	180,0	7,09	100	1,170	0,79
51,0	2"	62,00	2,44	10	150	30	450	204,0	8,03	100	1,300	0,88
60,0	2 3/8"	73,00	2,87	10	150	30	450	240,0	9,45	100	2,000	1,35
63,0	2 1/2"	76,00	2,99	10	150	30	450	252,0	9,92	90	2,090	1,41
70,0	2 3/4"	83,00	3,27	10	150	30	450	280,0	11,02	90	2,330	1,57
76,0	3"	89,00	3,50	10	150	30	450	304,0	11,97	90	2,500	1,69
80,0	3 1/8"	93,00	3,66	10	150	30	450	320,0	12,60	90	2,680	1,81
90,0	3 1/2"	104,00	4,09	10	150	30	450	360,0	14,17	90	3,120	2,10
102,0	4"	116,00	4,57	10	150	30	450	408,0	16,06	90	3,480	2,34
110,0	4 5/16"	124,00	4,88	10	150	30	450	440,0	17,32	80	3,710	2,50
115,0	4 1/2"	129,00	5,08	10	150	30	450	460,0	18,11	80	3,860	2,60
120,0	4 3/4"	136,00	5,35	10	150	30	450	600,0	23,62	80	5,070	3,41
127,0	5"	143,00	5,63	10	150	30	450	635,0	25,00	80	5,330	3,59
152,0	6"	168,00	6,61	10	150	25	375	760,0	29,92	80	6,660	4,48
203,0	8"	221,00	8,70	10	150	25	375	812,0	31,97	70	9,880	6,64
254,0	10"	272,00	10,71	10	150	25	375	1270,0	50,00	60	13,520	9,09

Dimensions shown may be changed without prior notice

// 221AA



Water-slurry S&D - Corrugated - Soft ends

Tube: black SBR.

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

Cover: black SBR - abrasion and ozone resistant.

Application: water suction and delivery. Special light weight and flexible construction for slurry tankers.

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

↔		↔		↙		↘		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
76,0	3"			5	75	15	225	152,0	5,98	90	2,230	1,50
102,0	4"			5	75	15	225	204,0	8,03	90	2,940	1,98
120,0	4 3/4"			5	75	15	225	240,0	9,45	90	3,710	2,50
152,0	6"			3	45	9	135	304,0	11,97	80	4,650	3,13
203,0	8"			3	45	9	135	406,0	15,98	70	6,370	4,29

// 2P1AA



EVOLUTION PLUS

Water-slurry S&D - Square corrugated - Extra flexible

Tube: black synthetic rubber.

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

Cover: black synthetic rubber - abrasion and ozone resistant.

Application: water suction and delivery. Special construction for maximum flexibility.

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"	65,00	2,56	10	150	30	450	51,0	2,01	100	1,440	0,97
76,0	3"	91,00	3,58	10	150	30	450	152,0	5,98	100	2,490	1,68
102,0	4"	119,00	4,69	10	150	30	450	204,0	8,03	90	3,510	2,36
152,0	6"	164,00	6,46	5	75	15	225	152,0	5,98	80	5,410	3,64
203,0	8"	219,00	8,62	10	150	30	450	152,0	5,98	70	9,400	6,32

// 264GL



Water S&D - PVC - Light duty

Construction: green transparent PVC - abrasion and ozone resistant.

Reinforcement: white shock resistant rigid PVC.

Application: water suction and delivery.

Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↙		↘		↵		%		⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in		kg/m	lb/ft	
20,0	13/16"			7	100	21	300	110,0	4,33	60	0,200	0,14	
25,0	1"			7	100	21	300	138,0	5,43	60	0,250	0,17	
32,0	1 1/4"			6	90	18	270	176,0	6,93	60	0,340	0,23	
38,0	1 1/2"			5	75	15	225	209,0	8,23	60	0,440	0,30	
51,0	2"			5	75	15	225	281,0	11,06	60	0,650	0,44	

// 266GL



Water S&D - PVC - Standard duty

Construction: green transparent PVC - abrasion and ozone resistant.

Reinforcement: white shock resistant rigid PVC.

Application: water suction and delivery.

Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↙		↘		↵		%		⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in		kg/m	lb/ft	
25,0	1"			7	100	21	300	113,0	4,45	70	0,290	0,20	
32,0	1 1/4"			6	90	18	270	144,0	5,67	70	0,390	0,27	
38,0	1 1/2"			5	75	15	225	171,0	6,73	70	0,510	0,35	
45,0	1 3/4"			5	75	15	225	203,0	7,99	70	0,670	0,46	
51,0	2"			5	75	15	225	230,0	9,06	70	0,760	0,52	
63,0	2 1/2"			5	75	15	225	284,0	11,18	70	0,970	0,66	
76,0	3"			5	75	15	225	342,0	13,46	70	1,330	0,90	
90,0	3 1/2"			4	60	12	180	405,0	15,94	70	1,800	1,21	
102,0	4"			4	60	12	180	459,0	18,07	70	2,190	1,48	
127,0	5"			3	45	9	135	597,0	23,50	50	2,900	1,95	
152,0	6"			3	45	9	135	714,0	28,11	50	4,000	2,69	
203,0	8"			2	30	6	90	954,0	37,56	40	6,200	4,17	

Dimensions shown may be changed without prior notice

// 266KL



Water S&D - PVC - Standard duty

Construction: Yellow transparent PVC - abrasion and ozone resistant.

Reinforcement: white shock resistant rigid PVC.

Application: water suction and delivery.

Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↻		↻		↵		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
20,0	13/16"			7	100	21	300	90,0	3,54	70	0,230	0,16
25,0	1"			7	100	21	300	113,0	4,45	70	0,290	0,20
30,0	1 3/16"			6	90	18	270	135,0	5,31	70	0,360	0,25
32,0	1 1/4"			6	90	18	270	144,0	5,67	70	0,390	0,27
35,0	1 3/8"			6	90	18	270	158,0	6,22	70	0,440	0,30
38,0	1 1/2"			5	75	15	225	171,0	6,73	70	0,510	0,35
40,0	1 9/16"			5	75	15	225	180,0	7,09	70	0,540	0,37
45,0	1 3/4"			5	75	15	225	203,0	7,99	70	0,670	0,46
51,0	2"			5	75	15	225	230,0	9,06	70	0,760	0,52
60,0	2 3/8"			5	75	15	225	270,0	10,63	70	0,920	0,62
63,0	2 1/2"			5	75	15	225	284,0	11,18	70	0,970	0,66
76,0	3"			5	75	15	225	342,0	13,46	70	1,330	0,90
80,0	3 1/8"			4	60	12	180	360,0	14,17	70	1,450	0,98
102,0	4"			4	60	12	180	459,0	18,07	70	2,190	1,48

// 4660L



**General purpose S&D - PVC - Standard duty
FDA - EU 10/2011 A+B+C - AS 2070**

Construction: transparent PVC - abrasion and ozone resistant.

Reinforcement: white shock resistant rigid PVC.

Application: general purpose liquid food and alcoholic

beverages suction and delivery - max 20% - Sterilize with 5% soda solution.

Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↻		↻		↵		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
20,0	13/16"			8	120	24	350	90,0	3,54	70	0,230	0,16
25,0	1"			8	120	24	350	113,0	4,45	70	0,290	0,20
30,0	1 3/16"			7	100	21	300	135,0	5,31	70	0,360	0,25
32,0	1 1/4"			7	100	21	300	144,0	5,67	70	0,390	0,27
35,0	1 3/8"			7	100	21	300	158,0	6,22	70	0,440	0,30
38,0	1 1/2"			6	90	18	270	171,0	6,73	70	0,510	0,35
40,0	1 9/16"			6	90	18	270	180,0	7,09	70	0,540	0,37
45,0	1 3/4"			6	90	18	270	203,0	7,99	70	0,670	0,46
51,0	2"			5	75	15	225	230,0	9,06	70	0,760	0,52
55,0	2 1/6"			5	75	15	225	247,0	9,72	70	0,810	0,55
60,0	2 3/8"			5	75	15	225	270,0	10,63	70	0,920	0,62
63,0	2 1/2"			5	75	15	225	284,0	11,18	70	0,970	0,66
70,0	2 3/4"			5	75	15	225	315,0	12,40	70	1,160	0,78
76,0	3"			5	75	15	225	342,0	13,46	70	1,330	0,90
80,0	3 1/8"			4	60	12	180	360,0	14,17	70	1,450	0,98
90,0	3 1/2"			4	60	12	180	405,0	15,94	70	1,800	1,21
102,0	4"			4	60	12	180	459,0	18,07	70	2,190	1,48
120,0	4 3/4"			3	45	9	135	540,0	21,26	50	2,700	1,82

// 2660L



Water S&D - PVC - Standard duty - Super elastic

Construction: transparent PVC - abrasion and ozone resistant.
Reinforcement: white shock resistant rigid PVC.
Application: water suction and delivery. Good flexibility at low temperature.
Constant operation: -20 °C +60 °C (-4 °F +140 °F)

↔		↔		↙		↘		↷		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
38,0	1 1/2"			5	75	15	225	152,0	5,98	60	0,510	0,35
45,0	1 3/4"			5	75	15	225	180,0	7,09	60	0,670	0,46
51,0	2"			5	75	15	225	204,0	8,03	60	0,760	0,52

// 265TH



Water-slurry S&D - PVC - Standard duty - Super elastic

Construction: Light blue PVC with helical red stripe - abrasion and ozone resistant.
Reinforcement: white shock resistant rigid PVC.
Application: water suction and delivery. Special light weight construction for slurry tankers. Good flexibility at low temperature.
Constant operation: -20 °C +60 °C (-4 °F +140 °F)

↔		↔		↙		↘		↷		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"			5	75	15	225	204,0	8,03	90	0,860	0,58
63,0	2 1/2"			4	60	12	180	252,0	9,92	90	1,265	0,86
76,0	3"			4	60	12	180	304,0	11,97	90	1,515	1,02
102,0	4"			3	45	9	135	408,0	16,06	90	2,220	1,50
127,0	5"			3	45	9	135	508,0	20,00	90	3,230	2,18
152,0	6"			2	30	6	90	608,0	23,94	90	4,140	2,79

Dimensions shown may be changed without prior notice

// 267BE



Water-slurry S&D - PVC - Medium duty - Super elastic



Construction: grey PVC with helical blue stripe - abrasion and ozone resistant.

Reinforcement: white shock resistant rigid PVC.

Application: water suction and delivery. Special construction for slurry tankers. Good flexibility at low temperature.

Constant operation: -20 °C +60 °C (-4 °F +140 °F)

↔		↔		↙		↘		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"			7	100	21	300	100,0	3,94	90	0,415	0,28
32,0	1 1/4"			7	100	21	300	128,0	5,04	90	0,605	0,41
38,0	1 1/2"			7	100	21	300	152,0	5,98	90	0,705	0,48
51,0	2"			5	75	15	225	204,0	8,03	90	1,000	0,68
60,0	2 3/8"			5	75	15	225	240,0	9,45	90	1,280	0,87
63,0	2 1/2"			5	75	15	225	252,0	9,92	90	1,340	0,91
76,0	3"			5	75	15	225	304,0	11,97	90	1,750	1,18
80,0	3 1/8"			5	75	15	225	320,0	12,60	90	1,840	1,24
90,0	3 1/2"			4	60	12	180	360,0	14,17	90	2,260	1,52
102,0	4"			4	60	12	180	408,0	16,06	90	2,700	1,82
110,0	4 5/16"			4	60	12	180	440,0	17,32	90	3,100	2,09
120,0	4 3/4"			4	60	12	180	480,0	18,90	90	3,600	2,42
127,0	5"			4	60	12	180	508,0	20,00	90	3,800	2,56
152,0	6"			3	45	9	135	608,0	23,94	90	4,850	3,26
203,0	8"			3	45	9	135	812,0	31,97	90	9,100	6,12

// 269BA



Water-slurry S&D - PVC/NBR - Medium duty - Superior flexibility



Construction: grey PVC/NBR - abrasion and ozone resistant.

Reinforcement: black shock resistant rigid PVC.

Application: water suction and delivery. Special construction for slurry tankers and general applications. Superior flexibility at low temperature.

Constant operation: -30 °C +60 °C (-22 °F +140 °F)

↔		↔		↙		↘		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"			5	75	15	225	178,0	7,01	90	1,010	0,68
63,0	2 1/2"			5	75	15	225	220,0	8,66	90	1,365	0,92
76,0	3"			5	75	15	225	266,0	10,47	90	1,765	1,19
90,0	3 1/2"			4	60	12	180	315,0	12,40	90	2,265	1,53
102,0	4"			4	60	12	180	357,0	14,06	90	2,720	1,83
127,0	5"			3	45	9	135	444,0	17,48	90	3,830	2,58
152,0	6"			3	45	9	135	532,0	20,94	90	4,935	3,32

// 268BL



Water-abrasive slurry S&D - PVC - Heavy duty



Construction: grey PVC - abrasion and ozone resistant.
Reinforcement: white shock resistant rigid PVC.
Application: heavy duty water suction and delivery. Also suitable for abrasive slurries transfer.
Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↙		↘		↗		↖	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"			7	100	21	300	150,0	5,91	90	0,520	0,35
32,0	1 1/4"			6	90	18	270	192,0	7,56	90	0,650	0,44
38,0	1 1/2"			6	90	18	270	228,0	8,98	90	0,760	0,52
51,0	2"			5	75	15	225	306,0	12,05	90	1,100	0,74
63,0	2 1/2"			4	60	12	180	378,0	14,88	90	1,550	1,05
76,0	3"			4	60	12	180	456,0	17,95	90	1,900	1,28
80,0	3 1/8"			4	60	12	180	480,0	18,90	90	2,100	1,42
90,0	3 1/2"			4	60	12	180	540,0	21,26	90	2,500	1,69
102,0	4"			3	45	9	135	612,0	24,09	90	3,200	2,16
127,0	5"			3	45	9	135	762,0	30,00	90	4,200	2,83
152,0	6"			2	30	6	90	912,0	35,91	90	6,000	4,04
203,0	8"			2	30	6	90	1218,0	47,95	60	10,000	6,73

Dimensions shown may be changed without prior notice

// CROP SPRAYING

// 591AE



Crop spraying 40 bar (600 psi) - PVC

Tube: black PVC.

Reinforcement: high tensile textile cords.

Cover: blue PVC - abrasion and ozone resistant.

Application: crop spraying of fertilizers, pesticides and weed-killers.

Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↙		↘		↷		⚠	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
8,0	5/16"	14,00	0,55	50	730	125	1820	64,0	2,52		0,135	0,10
10,0	3/8"	16,00	0,63	50	730	125	1820	80,0	3,15		0,160	0,11
13,0	1/2"	20,00	0,79	40	600	120	1750	104,0	4,09		0,225	0,16
16,0	5/8"	24,00	0,94	40	600	120	1750	128,0	5,04		0,320	0,22
19,0	3/4"	27,00	1,06	40	600	120	1750	152,0	5,98		0,370	0,25
25,0	1"	34,00	1,34	40	600	100	1500	200,0	7,87		0,525	0,36

// 593AK



Crop spraying 80 bar (1200 psi) - PVC

Tube: black PVC.

Reinforcement: high tensile textile cords.

Cover: yellow ribbed PVC with longitudinal black stripe - abrasion and ozone resistant.

Application: crop spraying of fertilizers, pesticides and weed-killers.

Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↙		↘		↷		⚠	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
8,0	5/16"	15,00	0,59	80	1200	200	2900	64,0	2,52		0,160	0,11
10,0	3/8"	18,00	0,71	80	1200	200	2900	80,0	3,15		0,230	0,16
13,0	1/2"	22,00	0,87	80	1200	200	2900	104,0	4,09		0,320	0,22

// AIR SEEDER

// 161BL



Air ducting UL 94 V2

Construction: grey PVC - abrasion and ozone resistant.
Reinforcement: white shock resistant rigid PVC.
Application: air, gas, fumes extraction. Air conditioning-ventilation.
Constant operation: -10 °C +60 °C (+14 °F +140 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"							25,0	0,98	50	0,170	0,12
32,0	1 1/4"							32,0	1,26	50	0,230	0,16
40,0	1 9/16"							40,0	1,57	40	0,300	0,21
45,0	1 3/4"							45,0	1,77	40	0,350	0,24
51,0	2"							51,0	2,01	40	0,440	0,30
63,0	2 1/2"							63,0	2,48	40	0,560	0,38
76,0	3"							76,0	2,99	40	0,700	0,48

// 2660A



Air seeder - PVC

Construction: transparent PVC - abrasion and ozone resistant.
Reinforcement: black shock resistant rigid PVC.
Application: agricultural seed transfer in "Air-Flo" seeding equipments.
Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"			8	120	24	350	113,0	4,45	70	0,295	0,20
32,0	1 1/4"			7	100	21	300	144,0	5,67	70	0,395	0,27
38,0	1 1/2"			6	90	18	270	171,0	6,73	70	0,515	0,35
45,0	1 3/4"			6	90	18	270	203,0	7,99	70	0,675	0,46
51,0	2"			5	75	15	225	230,0	9,06	70	0,765	0,52
63,0	2 1/2"			5	75	15	225	284,0	11,18	70	1,190	0,80
76,0	3"			5	75	15	225	342,0	13,46	70	1,520	1,03

// 702AA



Air seeder

Tube: black conductive NR.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black NBR/PVC - oil, heat, abrasion and ozone resistant.
Application: agricultural seed transfer in "Air-Flo" seeding equipments.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
32,0	1 1/4"	43,00	1,69	10	150	30	450	128,0	5,04	100	0,880	0,60
38,0	1 1/2"	49,00	1,93	10	150	30	450	152,0	5,98	100	1,000	0,68
45,0	1 3/4"	56,00	2,20	10	150	30	450	180,0	7,09	100	1,190	0,80
51,0	2"	62,00	2,44	10	150	30	450	204,0	8,03	100	1,330	0,90
63,0	2 1/2"	76,00	2,99	10	150	30	450	252,0	9,92	90	2,020	1,36
76,0	3"	89,00	3,50	10	150	30	450	304,0	11,97	90	2,410	1,62

Dimensions shown may be changed without prior notice

// TYPE B - BAUER COMPATIBLE

// TYPE B - BAUER COMPATIBLE

Male with closure lever - Hose shank - Plated steel


Item Code	Product Code	Hose ID		Head DN
		in	mm	mm
2301799	I119B100-050050	2"	50,0	50,0
2302221	I119B100-076076	3"	76,0	76,0
2301800	I119B100-076089	3"	76,0	89,0
2301801	I119B100-102108	4"	102,0	108,0
2302268	I119B100-125133	5"	125,0	133,0
2301802	I119B100-152159	6"	152,0	159,0
2302269	I119B100-203194	8"	203,0	194,0

// TYPE B - BAUER COMPATIBLE

Female - Hose shank complete with seal - Plated steel


Item Code	Product Code	Hose ID		Head DN
		in	mm	mm
2301803	I119B200-050050	2"	50,0	50,0
2302222	I119B200-076076	3"	76,0	76,0
2301804	I119B200-076089	3"	76,0	89,0
2301805	I119B200-102108	4"	102,0	108,0
2302270	I119B200-125133	5"	125,0	133,0
2301806	I119B200-152159	6"	152,0	159,0
2302271	I119B200-203194	8"	203,0	194,0

// TYPE C - CARDAN/PERROT COMPATIBLE

// TYPE C - CARDAN/PERROT COMPATIBLE

Male - Hose shank - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Head DN
		in	mm	mm
2302272	I119P100-050050	2"	50,0	50,0
2306770	I119P100-063070	2 1/2"	63,0	70,0
2302273	I119P100-076070	3"	76,0	70,0
2306072	I119P100-076089	3"	76,0	89,0
2301791	I119P100-102108	4"	102,0	108,0
2301792	I119P100-125133	5"	125,0	133,0
2302275	I119P100-152159	6"	152,0	159,0

// TYPE C - CARDAN/PERROT COMPATIBLE

Female with closure lever - Hose shank complete with seal - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Head DN
		in	mm	mm
2302276	I119P200-050050	2"	50,0	50,0
2306771	I119P200-063070	2 1/2"	63,0	70,0
2302277	I119P200-076070	3"	76,0	70,0
2306071	I119P200-076089	3"	76,0	89,0
2306128	I119P200-090089	3 1/2"	90,0	89,0
2301793	I119P200-102108	4"	102,0	108,0
2301794	I119P200-125133	5"	125,0	133,0
2302279	I119P200-152159	6"	152,0	159,0

Dimensions shown may be changed without prior notice

// TYPE 42

// TYPE 42

Male - Hose shank - Plated steel



Item Code	Product Code	Hose ID		Head DN	
		in	mm	in	mm
2305186	-	2"	51,0	-	48,0
2304741	-	2"	51,0	-	76,0
2305275	-	2 1/2"	63,0	-	76,0
2305187	-	3"	76,0	-	76,0
2304736	-	3"	76,0	-	102,0
2305188	-	4"	102,0	-	102,0
2305189	-	5"	127,0	-	133,0
2305190	-	6"	152,0	-	152,0

// TYPE 42

Female with closure lever complete with seal - Hose shank - Plated steel



Item Code	Product Code	Hose ID		Head DN	
		in	mm	in	mm
2305199	-	2"	51,0	-	48,0
2304749	-	2"	51,0	-	76,0
2305278	-	2 1/2"	63,0	-	76,0
2305200	-	3"	76,0	-	76,0
2305576	-	3"	76,0	-	102,0
2305201	-	4"	102,0	-	102,0
2305202	-	5"	127,0	-	133,0
2305203	-	6"	152,0	-	152,0

// SYMMETRIC GUILLEMIN NF E.29.572

// SYMMETRIC GUILLEMIN NF E 29.572

Serrated hose shank - with locking ring complete with seal - Aluminium



Item Code	Product Code	Hose ID	Hose ID	Head DN
		in	mm	mm
2300648	I5191300-025020	1"	25,0	20,0
2300649	I5191300-030025	1 3/16"	30,0	25,0
2302106	I5191300-035032	1 3/8"	35,0	32,0
2300653	I5191300-045040	1 3/4"	45,0	40,0
2300655	I5191300-055050	2 1/6"	55,0	50,0
2300656	I5191300-070065	2 3/4"	70,0	65,0
2300658	I5191300-090080	3 1/2"	90,0	80,0
2300660	I5191300-110100	4 5/16"	110,0	100,0

// SYMMETRIC GUILLEMIN NF E 29.572

Serrated hose shank with collar - with locking ring complete with seal - Aluminium



Item Code	Product Code	Hose ID	Hose ID	Head DN
		in	mm	mm
2302105	I5191300-030032	1 3/16"	30,0	32,0
2300652	I5191300-040040	1 9/16"	40,0	40,0
2300654	I5191300-051050	2"	51,0	50,0
2302107	I5191300-065065	2 9/16"	65,0	65,0
2300657	I5191300-076080	3"	76,0	80,0
2302108	I5191300-081080	3 1/8"	80,0	80,0
2302109	I5191300-102100	4"	102,0	100,0
2300659	I5191300-105100	4 1/8"	105,0	100,0
2300661	I5191300-152150	6"	152,0	150,0

Dimensions shown may be changed without prior notice

// STORZ

// STORZ

Suction & delivery hose shank complete with seal - Aluminium



Item Code	Product Code	Hose ID	Hose ID	Head DN	Claw Distance Internal	Technical Note
		in	mm			
2306056	I519Z300-019025	3/4"	19,0	25,0	31	TYPE D-DS
2305397	I519Z300-025025	1"	25,0	25,0	31	TYPE D-DS
2306058	I519Z300-025052	1"	25,0	52,0	66	TYPE C-DS
2302681	I519Z300-032032	1 1/4"	32,0	32,0	44	TYPE DS
2306057	I519Z300-032052	1 1/4"	32,0	52,0	66	TYPE C-DS
2302682	I519Z300-038038	1 1/2"	38,0	38,0	51	TYPE DS
2305089	I519Z300-038052	1 1/2"	38,0	52,0	66	TYPE C-DS
2303000	I519Z300-045052	1 3/4"	45,0	52,0	66	TYPE C-DS
2301825	I519Z300-051052	2"	51,0	52,0	66	TYPE C-DS
2306193	I519Z300-063075	2 1/2"	63,0	75,0	89	TYPE B-DS
2301764	I519Z300-076075	3"	76,0	75,0	89	TYPE B-DS
2302684	I519Z300-102100	4"	102,0	100,0	115	TYPE DS
2305301	I519Z300-102110	4"	102,0	110,0	133	TYPE A-DS
2300647	I519Z300-110110	4 5/16"	110,0	110,0	133	TYPE A-DS
2306192	I519Z300-125125	5"	127,0	125,0	148	TYPE DS
2306059	I519Z300-152150	6"	152,0	150,0	160	TYPE DS

// CAM & GROOVE MILL A-A-59326A / MIL C-27487

// CAM & GROOVE MIL A-A-59326A / MIL C-27487

Type C - Coupler, hose shank - Aluminium



Item Code	Product Code	Hose ID		Head DN	
		in	mm	in	mm
2303242	I569C200-013013	1/2"	13,0	1/2"	13,0
2301859	I519C200-019019	3/4"	19,0	3/4"	19,0
2300640	I519C200-025025	1"	25,0	1"	25,0
2300641	I519C200-032032	1 1/4"	32,0	1 1/4"	32,0
2301860	I519C200-038038	1 1/2"	38,0	1 1/2"	38,0
2301861	I519C200-051051	2"	51,0	2"	51,0
2301862	I519C200-063063	2 1/2"	63,0	2 1/2"	63,0
2301863	I519C200-076076	3"	76,0	3"	76,0
2301864	I519C200-102102	4"	102,0	4"	102,0
2302679	I519C200-127127	5"	127,0	5"	127,0
2301865	I519C200-152152	6"	152,0	6"	152,0
2303584	I569C200-203203	8"	203,0	8"	203,0

// CAM & GROOVE MIL A-A-59326A / MIL C-27487

Type E - Adapter, hose shank - Aluminium



Item Code	Product Code	Hose ID		Head DN	
		in	mm	in	mm
2303248	I519C100-013013	1/2"	13,0	1/2"	13,0
2302675	I519C100-019019	3/4"	19,0	3/4"	19,0
2300633	I519C100-025025	1"	25,0	1"	25,0
2301736	I519C100-032032	1 1/4"	32,0	1 1/4"	32,0
2301915	I519C100-038038	1 1/2"	38,0	1 1/2"	38,0
2301916	I519C100-051051	2"	51,0	2"	51,0
2302676	I519C100-063063	2 1/2"	63,0	2 1/2"	63,0
2301918	I519C100-076076	3"	76,0	3"	76,0
2302677	I519C100-102102	4"	102,0	4"	102,0
2302678	I519C100-127127	5"	127,0	5"	127,0
2301920	I519C100-152152	6"	152,0	6"	152,0
2303679	I519C100-203203	8"	203,0	8"	203,0

Dimensions shown may be changed without prior notice

// COMBINATION NIPPLE FOR CLAMPING

// COMBINATION NIPPLE FOR CLAMPING

BSPT Male - Hose shank for clamping - Plated steel



Item Code	Product Code	Hose ID		Thread type	Thread
		in	mm		in
2303820	I1607100-013021	1/2"	13,0	BSPT	1/2"
2303821	I1607100-019027	3/4"	19,0	BSPT	3/4"
2303822	I1607100-025034	1"	25,0	BSPT	1"
2303823	I1607100-032042	1 1/4"	32,0	BSPT	1 1/4"
2303824	I1607100-038049	1 1/2"	38,0	BSPT	1 1/2"
2303825	I1607100-051060	2"	51,0	BSPT	2"
2303826	I1607100-063076	2 1/2"	63,0	BSPT	2 1/2"
2303827	I1607100-076090	3"	76,0	BSPT	3"
2303828	I1607100-102114	4"	102,0	BSPT	4"
2306051	I1607100-127140	5"	127,0	BSPT	5"
2303829	I1607100-152165	6"	152,0	BSPT	6"

Combination nipple in S/S available on request

// COMBINATION NIPPLE FOR CLAMPING

NPT Male - Hose shank for clamping - Plated steel



Item Code	Product Code	Hose ID		Thread type	Thread
		in	mm		in
2303830	I1628100-013021	1/2"	13,0	NPT	1/2"
2303831	I1628100-019027	3/4"	19,0	NPT	3/4"
2303832	I1628100-025034	1"	25,0	NPT	1"
2303833	I1628100-032042	1 1/4"	32,0	NPT	1 1/4"
2303834	I1628100-038049	1 1/2"	38,0	NPT	1 1/2"
2303835	I1628100-051060	2"	51,0	NPT	2"
2303836	I1628100-063076	2 1/2"	63,0	NPT	2 1/2"
2303837	I1628100-076090	3"	76,0	NPT	3"
2303838	I1628100-102114	4"	102,0	NPT	4"
2303839	I1628100-127140	5"	127,0	NPT	5"
2303840	I1628100-152165	6"	152,0	NPT	6"
2303841	I1628100-203219	8"	203,0	NPT	8"

Combination nipple in S/S available on request

// HOSE MENDER

Hose shank for clamping - Plated steel



Item Code	Product Code	Hose ID	Hose ID
		in	mm
2303878	I1656100-013013	1/2"	13,0
2303879	I1656100-019019	3/4"	19,0
2303880	I1656100-025025	1"	25,0
2303881	I1656100-032032	1 1/4"	32,0
2303882	I1656100-038038	1 1/2"	38,0
2303883	I1656100-051051	2"	51,0
2303884	I1656100-063063	2 1/2"	63,0
2303885	I1656100-076076	3"	76,0
2303886	I1656100-102102	4"	102,0
2303887	I1656100-127127	5"	127,0
2303888	I1656100-152152	6"	152,0
2303889	I1656100-203203	8"	203,0

Dimensions shown may be changed without prior notice

// ALFACRIMP COMBINATION NIPPLE

// ALFACRIMP COMBINATION NIPPLE

BSPT Male complete with pre-crimped ferrule - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread	Hose OD (min)	Hose OD (max)
		in	mm		in	mm	mm
2307175	I1707M0S-076090	3"	76,0	BSPT	3"	86,0	96,0
2302324	I1707M00-076090	3"	76,0	BSPT	3"	88,0	102,0
2307176	I1707M0S-102114	4"	102,0	BSPT	4"	112,0	122,0
2302325	I1707M00-102114	4"	102,0	BSPT	4"	114,0	128,0
2307177	I1707M0S-127140	5"	127,0	BSPT	5"	139,0	147,0
2302326	I1707M00-127140	5"	127,0	BSPT	5"	139,0	153,0
2307178	I1707M0S-152165	6"	152,0	BSPT	6"	164,0	172,0
2302007	I1707M00-152165	6"	152,0	BSPT	6"	166,0	184,0

For BSPT male with serrated hose shank for crimping ferrule and DN<76 mm. Consult ALFAGOMMA hydraulic catalogue.

// ALFACRIMP COMBINATION NIPPLE

NPT Male complete with pre-crimped ferrule - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread	Hose OD (min)	Hose OD (max)
		in	mm		in	mm	mm
2307179	I1728M0S-076090	3"	76,0	NPT	3"	86,0	96,0
2302332	I1728M00-076090	3"	76,0	NPT	3"	88,0	102,0
2307180	I1728M0S-102114	4"	102,0	NPT	4"	112,0	122,0
2302333	I1728M00-102114	4"	102,0	NPT	4"	114,0	128,0
2307181	I1728M0S-127140	5"	127,0	NPT	5"	139,0	147,0
2302334	I1728M00-127140	5"	127,0	NPT	5"	139,0	153,0
2307464	I1728M0D-127140	5"	127,0	NPT	5"	156,0	163,0
2307182	I1728M0S-152165	6"	152,0	NPT	6"	166,0	172,0
2302335	I1728M00-152165	6"	152,0	NPT	6"	166,0	184,0

For NPT male with serrated hose shank for crimping ferrule and DN<76 mm. Consult ALFAGOMMA hydraulic catalogue.

// FIXED FLANGED COUPLING

// FIXED FLANGE - PLATE RF - PN 10/16

Serrated hose shank with pre-crimped ferrule - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Head DN	Head DN	Hose OD (min)	Hose OD (max)
		in	mm		in	mm		
2307313	I17BDW1B-00S076	3"	76,0	PN16	3"	76,0	86,0	96,0
2307314	I17BDW1B-076076	3"	76,0	PN16	3"	76,0	88,0	102,0
2307315	I17BDW1B-00S102	4"	102,0	PN16	4"	102,0	112,0	122,0
2307316	I17BDW1B-102102	4"	102,0	PN16	4"	102,0	114,0	128,0
2307317	I17BDW1B-00S127	5"	127,0	PN16	5"	127,0	139,0	147,0
2307318	I17BDW1B-127127	5"	127,0	PN16	5"	127,0	139,0	153,0
2307319	I17BDW1B-00S152	6"	152,0	PN16	6"	152,0	166,0	172,0
2307320	I17BDW1B-152152	6"	152,0	PN16	6"	152,0	166,0	184,0

// FIXED FLANGE - PLATE RF - PN 10/16

Serrated hose shank with collar - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Head DN	Head DN
		in	mm		in	mm
2307233	I17BD61B-A00051	2"	51,0	PN16	2"	51,0
2307242	I17BD61B-A00203	8"	203,0	PN16	8"	203,0
2307243	I17BD61B-A00254	10"	254,0	PN16	10"	254,0

Dimensions shown may be changed without prior notice

// FIXED FLANGE - SLIP ON RF - ASA 150

Serrated hose shank with pre-crimped ferrule - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Head DN	Head DN	Hose OD (min)	Hose OD (max)
		in	mm		in	mm	mm	mm
2307299	I17BEW7B-00S076	3"	76,0	ASA150	3"	76,0	86,0	96,0
2307300	I17BEW7B-076076	3"	76,0	ASA150	3"	76,0	88,0	102,0
2307301	I17BEW7B-00S102	4"	102,0	ASA150	4"	102,0	112,0	122,0
2302366	I17BEW7B-102102	4"	102,0	ASA150	4"	102,0	114,0	128,0
2307302	I17BEW7B-00S127	5"	127,0	ASA150	5"	127,0	139,0	147,0
2307303	I17BEW7B-127127	5"	127,0	ASA150	5"	127,0	139,0	153,0
2307304	I17BEW7B-00S152	6"	152,0	ASA150	6"	152,0	166,0	172,0
2302368	I17BEW7B-152152	6"	152,0	ASA150	6"	152,0	166,0	184,0

// FIXED FLANGE - SLIP ON RF - ASA 150

Serrated hose shank with collar - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Head DN	Head DN
		in	mm		in	mm
2307211	I17BE67B-A00051	2"	51,0	ASA150	2"	51,0
2307220	I17BE67B-A00203	8"	203,0	ASA150	8"	203,0
2307221	I17BE67B-A00254	10"	254,0	ASA150	10"	254,0

// SWIVEL FLANGED COUPLING

// SWIVEL FLANGE - PLATE FF - PN 10/16

Serrated hose shank with pre-crimped ferrule - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Head DN	Head DN	Hose OD (min)	Hose OD (max)
		in	mm		in	mm		
2307321	I17BDT2A-00S076	3"	76,0	PN16	3"	76,0	86,0	96,0
2307322	I17BDT2A-076076	3"	76,0	PN16	3"	76,0	88,0	102,0
2307323	I17BDT2A-00S102	4"	102,0	PN16	4"	102,0	112,0	122,0
2307324	I17BDT2A-102102	4"	102,0	PN16	4"	102,0	114,0	128,0
2307325	I17BDT2A-00S127	5"	127,0	PN16	5"	127,0	139,0	147,0
2307326	I17BDT2A-127127	5"	127,0	PN16	5"	127,0	139,0	153,0
2307327	I17BDT2A-00S152	6"	152,0	PN16	6"	152,0	166,0	172,0
2307328	I17BDT2A-152152	6"	152,0	PN16	6"	152,0	166,0	184,0

// SWIVEL FLANGE - PLATE FF - PN 10/16

Serrated hose shank with collar - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Head DN	Head DN
		in	mm		in	mm
2307244	I17BD72A-A00051	2"	51,0	PN16	2"	51,0
2307253	I17BD72A-A00203	8"	203,0	PN16	8"	203,0
2307254	I17BD72A-A00254	10"	254,0	PN16	10"	254,0

Dimensions shown may be changed without prior notice

// SWIVEL FLANGE - LAP JOINT FF - ASA 150

Serrated hose shank with pre-crimped ferrule - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Head DN	Head DN	Hose OD (min)	Hose OD (max)
		in	mm		in	mm		
2307305	I17BET9A-00S076	3"	76,0	ASA150	3"	76,0	86,0	96,0
2307306	I17BET9A-076076	3"	76,0	ASA150	3"	76,0	88,0	102,0
2307307	I17BET9A-00S102	4"	102,0	ASA150	4"	102,0	112,0	122,0
2307308	I17BET9A-102102	4"	102,0	ASA150	4"	102,0	114,0	128,0
2307309	I17BET9A-00S127	5"	127,0	ASA150	5"	127,0	139,0	147,0
2307310	I17BET9A-127127	5"	127,0	ASA150	5"	127,0	139,0	153,0
2307311	I17BET9A-00S152	6"	152,0	ASA150	6"	152,0	166,0	172,0
2307312	I17BET9A-152152	6"	152,0	ASA150	6"	152,0	166,0	184,0

// SWIVEL FLANGE - LAP JOINT FF - ASA 150

Serrated hose shank with collar - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Thread type	Head DN	Head DN
		in	mm		in	mm
2307222	I17BE79A-A00051	2"	51,0	ASA150	2"	51,0
2307231	I17BE79A-A00203	8"	203,0	ASA150	8"	203,0
2307232	I17BE79A-A00254	10"	254,0	ASA150	10"	254,0

// BAND-IT SYSTEM

// BAND-IT SYSTEM

Banding tool - Plated steel



Item Code	Product Code
2300912	I0LLT0

// BAND-IT SYSTEM

Banding bands - Stainless steel 304



Item Code	Product Code	Clamp Width	Band Length
		mm	m
2302154	I2LLF0-013	12,7	30,000
2302155	I2LLF0-019	19,0	30,000

// BAND-IT SYSTEM

Banding buckles - Stainless steel 304



Item Code	Product Code	Clamp Width	Band Length
		mm	m
2302157	I2LLB0-013	12,7	-
2302156	I2LLB0-019	19,0	-

Box = 100 pieces

Dimensions shown may be changed without prior notice

// WORM GEAR CLAMP

// WORM GEAR CLAMP

Clamp - 1 bolt - DIN 3017 - W1 (Plated steel)



Item Code	Product Code	Hose OD (min)		Hose OD (max)		Clamp Width
		mm	mm	mm	mm	mm
2304156	I1LP1AD-01609	8,0	16,0			9,0
2304157	I1LP1AD-02209	12,0	22,0			9,0
2304159	I1LP1AD-02712	16,0	27,0			12,0
2304162	I1LP1AD-03212	20,0	32,0			12,0
2304163	I1LP1AD-04012	25,0	40,0			12,0
2304164	I1LP1AD-04512	30,0	45,0			12,0
2304165	I1LP1AD-05012	32,0	50,0			12,0
2304166	I1LP1AD-06012	40,0	60,0			12,0
2304167	I1LP1AD-07012	50,0	70,0			12,0
2304168	I1LP1AD-08012	60,0	80,0			12,0
2304169	I1LP1AD-09012	70,0	90,0			12,0
2304170	I1LP1AD-10012	80,0	100,0			12,0
2304172	I1LP1AD-11012	90,0	110,0			12,0
2304173	I1LP1AD-13012	110,0	130,0			12,0
2304174	I1LP1AD-15012	130,0	150,0			12,0
2306217	I1LP1AD-16012	140,0	160,0			12,0
2304175	I1LP1AD-18012	160,0	180,0			12,0
2304176	I1LP1AD-20012	180,0	200,0			12,0
2304177	I1LP1AD-22012	200,0	220,0			12,0
2304178	I1LP1AD-24012	220,0	240,0			12,0

// SUPERCLAMP

// SUPERCLAMP

Clamp - 1 bolt - W1 (Plated steel)



Item Code	Product Code	Hose OD (min)	Hose OD (max)	Clamp Width
		mm	mm	mm
2303161	I1LP10-01918	17,0	19,0	18,0
2303162	I1LP10-02218	20,0	22,0	18,0
2303163	I1LP10-02518	23,0	25,0	18,0
2303164	I1LP10-02818	26,0	28,0	18,0
2302041	I1LP10-03121	29,0	31,0	21,0
2302042	I1LP10-03521	32,0	35,0	21,0
2302043	I1LP10-03921	36,0	39,0	21,0
2302044	I1LP10-04321	40,0	43,0	21,0
2302045	I1LP10-04721	44,0	47,0	21,0
2302046	I1LP10-05121	48,0	51,0	21,0
2302047	I1LP10-05521	52,0	55,0	21,0
2302048	I1LP10-05921	56,0	59,0	21,0
2302026	I1LP10-06321	60,0	63,0	21,0
2302027	I1LP10-06721	64,0	67,0	21,0
2302028	I1LP10-07324	68,0	73,0	24,0
2302029	I1LP10-07924	74,0	79,0	24,0
2302030	I1LP10-08524	80,0	85,0	24,0
2302031	I1LP10-09124	86,0	91,0	24,0
2302032	I1LP10-09724	92,0	97,0	24,0
2302033	I1LP10-10324	98,0	103,0	24,0
2302034	I1LP10-11224	104,0	112,0	24,0
2302035	I1LP10-12124	113,0	121,0	24,0
2302036	I1LP10-13026	122,0	130,0	26,0
2302037	I1LP10-13926	131,0	139,0	26,0
2302038	I1LP10-14826	140,0	148,0	26,0
2302039	I1LP10-16126	149,0	161,0	26,0
2302040	I1LP10-17426	162,0	174,0	26,0

Dimensions shown may be changed without prior notice

// PW-CLAMP

// PW-CLAMP

Clamp - 1 bolt - W1 (Plated steel)



Item Code	Product Code	Hose OD (min)	Hose OD (max)	Clamp Width
		mm	mm	mm
2304220	-	31,0	35,0	20,0
2304222	-	35,0	40,0	20,0
2304224	-	40,0	45,0	20,0
2304225	-	44,0	50,0	20,0
2304226	-	49,0	55,0	20,0
2304227	-	54,0	60,0	20,0
2304229	I1LP1PW-06520	59,0	65,0	20,0
2304230	-	64,0	70,0	20,0
2304231	-	69,0	75,0	20,0

// PW-CLAMP

Clamp - 2 bolts - W1 (Plated steel)



Item Code	Product Code	Hose OD (min)	Hose OD (max)	Clamp Width
		mm	mm	mm
2304240	-	40,0	50,0	20,0
2304241	-	45,0	55,0	20,0
2304242	-	50,0	60,0	20,0
2304243	-	55,0	65,0	20,0
2304244	-	60,0	70,0	20,0
2304245	-	65,0	75,0	20,0
2304246	-	70,0	80,0	20,0
2304247	-	75,0	85,0	20,0
2304248	-	80,0	90,0	20,0
2304250	-	85,0	95,0	20,0
2304251	-	90,0	100,0	25,0
2304252	-	95,0	105,0	25,0
2304253	-	100,0	110,0	25,0
2304254	-	105,0	115,0	25,0
2304255	-	110,0	120,0	25,0
2304256	-	115,0	125,0	25,0
2304257	-	120,0	130,0	25,0
2304258	-	125,0	135,0	25,0
2304259	-	130,0	140,0	25,0
2305983	-	135,0	145,0	25,0
2304260	-	140,0	150,0	25,0
2304261	-	150,0	160,0	25,0
2304262	-	160,0	170,0	25,0
2304263	-	170,0	180,0	25,0
2304264	-	180,0	190,0	25,0
2304265	-	190,0	200,0	25,0
2304266	-	200,0	210,0	25,0
2304267	-	210,0	220,0	25,0
2304268	-	220,0	230,0	25,0
2304766	-	230,0	240,0	25,0
2305986	-	240,0	250,0	25,0
2304271	-	250,0	260,0	25,0
2305987	-	260,0	270,0	25,0
2306207	-	270,0	280,0	25,0
2304273	-	295,0	305,0	25,0

// FERRULES

// I505C5

Smooth ferrule - Aluminium



Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2300891	I505C5-040	1 9/16"	40,0	46,0	54,0
2301751	I505C5-050	2"	50,0	61,0	64,0
2300099	I505C5-065	2 9/16"	65,0	73,0	81,0
2300917	I505C5-080	3 1/8"	80,0	86,0	94,0
2300892	I505C5-100	4"	100,0	112,0	120,0

// I107U-AF

Serrated ferrule - Plated steel



Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2307171	I107U203-219235	8"	203,0	219,0	237,0
2307172	I107U254-274292	10"	254,0	274,0	292,0

Ferrule to be used only with ALFAGOMMA Fixed and Swivel flanged coupling.


LIQUID FOOD

- // MILK
- // FAT FOOD
- // ALCOHOLIC BEVERAGES

- // WASH DOWN
- // GENERAL PURPOSE



// LIQUID FOOD - HOSE & RECOMMENDED FITTING TABLE










HOSE										
Hose	Tube	WP/ BP (bar)	ID Range (mm)	Temp. Range (°C)	Max Alcoholic Content (%)		 TITLE 21			
MILK	400LE 	Synthetic rubber	10 / 30	25 - 102	-30 +110	75	●	●	●	
	412LE 	NR	10 / 30	25 - 102	-40 +80	50	●	●	●	
	418LE 	NR	10 / 30	40 - 76	-40 +80	50	●	●	●	
FAT FOOD	455LE 	NBR	10 / 30	13 - 51	-30 +100	75	●	●	●	
	405LE 	NBR	10 / 30	19 - 102	-30 +100	75	●	●	●	
	400LE 	Synthetic rubber	10 / 30	25 - 102	-30 +120	75	●	●	●	
ALCOHOLIC BEVERAGES	468OH 	PVC	Depending on size	25 - 120	-5 +60	20	●	●	●	A+B+C
	452LH 	NR	10 / 30	13 - 76	-30 +80	50	●	●	●	
	402LH 	NR	10 / 30	25 - 102	-30 +80	50	●	●	●	
	400LE 	Synthetic rubber	10 / 30	25 - 102	-30 +110	75	●	●	●	
	410LL 	CIIR	16 / 48	25 - 76	-30 +108	95	●	●	●	

The match hose/fittings is just an indication and needs checking depending on the actual application. The final choice is on customer's responsibility.

Specific hygienic fitting range developed for the Australian market:

- BSM/RJT and BSM/CIP fittings for Milk, Fat Food and Alcoholic beverages.
- Tri-Clover fittings for Fat Food and Alcoholic beverages.
- Australian Wine Thread fittings for Alcoholic beverages.

Please refer to Alfagomma Australia local brochure.

		FITTINGS		FITTINGS - EN 14 420-2/DIN 2817 HOSE SHANK			HYGIENIC FITTINGS			
FRANCE 1994/11/09 CAT. D	ITALY D.M. 21/03/73	Cam & Groove MIL A-A- 59326A/ MIL C-27487	Symmetric Guillemin NF E 29.572	Cam & Groove EN 14 420-7/ DIN 2828	EN 14 420-5/ DIN 2817	TANKWAGEN EN 14 420-6 / DIN 28 450	DIN 11851 (EN14420-2/ DIN2817 hose shank)	DIN 11851 (serrated hose shank)	SMS (serrated hose shank)	Macon
										
	CERISIE		●	●	●	●	●	●	●	
IANESCO			●	●	●	●	●	●	●	
IANESCO			●	●	●	●	●	●	●	
	CERISIE	●	●	●	●	●	●	●	●	
	CERISIE	●	●	●	●	●	●	●	●	
	CERISIE	●	●	●	●	●	●	●	●	
		●	●				●	●	●	●
IANESCO		●	●				●	●	●	●
IANESCO		●	●				●	●	●	
	CERISIE	●	●	●	●	●	●	●	●	
IANESCO		●	●				●	●	●	

↓
safety clamps EN 14 420-3 DIN 2817 // safety clamps Flexoline*

// MILK

// 400LE



EVOLUTION

Multi food S&D 10 bar (150 psi)
FDA - D.M. 21/03/73 - 3A Sanitary Standards Class II

Tube: white synthetic rubber.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: blue synthetic rubber - abrasion and ozone resistant.
Application: liquid and fat food-alcoholic beverages suction and delivery - max 75%.
 Special construction for maximum flexibility.
 Sterilize with 130 °C (266 °F) steam for 30 minutes or with 5% soda solution.
Constant operation: liquid food -30 °C +110 °C (-22 °F +230 °F)
 fat food +120 (248 °F)

↔		↔		↙		↘		↗		↘		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	36,00	1,42	10	150	30	450	50,0	1,97	100	0,720	0,49
32,0	1 1/4"	43,00	1,69	10	150	30	450	64,0	2,52	100	0,870	0,59
38,0	1 1/2"	49,00	1,93	10	150	30	450	76,0	2,99	100	1,020	0,69
51,0	2"	63,00	2,48	10	150	30	450	204,0	8,03	100	1,340	0,91
63,0	2 1/2"	76,00	2,99	10	150	30	450	126,0	4,96	90	2,090	1,41
76,0	3"	89,00	3,50	10	150	30	450	252,0	9,92	90	2,100	1,42
102,0	4"	116,00	4,57	10	150	30	450	204,0	8,03	90	3,480	2,34

// 412LE



Milk tanker 10 bar (150 psi) - Hard wall
FDA arrêté du 09/11/94 D

Tube: white NR.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: blue NR/EPDM - abrasion and ozone resistant.
Application: liquid food suction and delivery. Special construction for maximum flexibility in milk tanker applications.
 Sterilize with 110 °C (230 °F) steam for 10 minutes or with 5% soda solution.
Constant operation: -40 °C +80 °C (-40 °F +176 °F)

↔		↔		↙		↘		↗		↘		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	35,00	1,38	10	150	30	450	50,0	1,97	100	0,660	0,45
32,0	1 1/4"	42,00	1,65	10	150	30	450	64,0	2,52	100	0,810	0,55
38,0	1 1/2"	48,00	1,89	10	150	30	450	76,0	2,99	100	0,940	0,64
40,0	1 9/16"	50,00	1,97	10	150	30	450	80,0	3,15	100	0,980	0,66
42,0	1 5/8"	52,00	2,05	10	150	30	450	84,0	3,31	100	1,030	0,70
51,0	2"	61,00	2,40	10	150	30	450	102,0	4,02	100	1,220	0,82
63,0	2 1/2"	75,00	2,95	10	150	30	450	126,0	4,96	100	1,860	1,26
76,0	3"	88,00	3,46	10	150	30	450	152,0	5,98	90	2,420	1,63
102,0	4"	116,00	4,57	10	150	30	450	204,0	8,03	90	3,630	2,44

Dimensions shown may be changed without prior notice

// 418LE



IANESCO


Milk tanker 10 bar (150 psi) - Hard wall - Crush resistant
FDA arrêté du 09/11/94 D
Tube: white NR.**Reinforcement:** high tensile textile cords with embedded PET helix.**Cover:** blue NR/EPDM - abrasion and ozone resistant.**Application:** liquid food suction and delivery. Special lightweight construction for maximum flexibility and crush resistance in milk tanker applications. Sterilize with 110 °C (230 °F) steam for 10 minutes or with 5% soda solution.**Constant operation:** -40 °C +80 °C (-40 °F +176 °F)

↔		↔		↻	↻	↶		↷	↷	↷	↷	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
40,0	1 9/16"	53,00	2,09	10	150	30	450	120,0	4,72	70	1,060	0,72
51,0	2"	64,00	2,52	10	150	30	450	153,0	6,02	70	1,310	0,89
63,0	2 1/2"	76,00	2,99	10	150	30	450	189,0	7,44	70	1,930	1,30
76,0	3"	92,00	3,62	10	150	30	450	228,0	8,98	70	2,630	1,77

// FAT FOOD

// 455LE



Fat food delivery 10 bar (150 psi) FDA - D.M. 21/03/73

Tube: white NBR.

Reinforcement: high tensile textile cords.

Cover: blue NBR/PVC - abrasion, ozone and oil resistant.

Application: liquid and fat food-alcoholic beverages delivery - max 75%. Sterilize with 130 °C (266 °F) steam for 30 minutes or with 5% soda solution.

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

↔		↔		↙		↘		⤴		⤵		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
13,0	1/2"	23,00	0,91	10	150	30	450				0,380	0,26
19,0	3/4"	31,00	1,22	10	150	30	450				0,610	0,41
25,0	1"	37,00	1,46	10	150	30	450				0,760	0,52
32,0	1 1/4"	44,00	1,73	10	150	30	450				0,930	0,63
38,0	1 1/2"	50,00	1,97	10	150	30	450				1,090	0,74
51,0	2"	65,00	2,56	10	150	30	450				1,690	1,14

// 405LE



Fat food S&D 10 bar (150 psi) FDA - D.M. 21/03/73

Tube: white NBR.

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

Cover: blue NBR/PVC - abrasion, ozone and oil resistant.

Application: liquid and fat food-alcoholic beverages suction and delivery - max 75%. Sterilize with 130 °C (266 °F) steam for 30 minutes or with 5% soda solution.

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

↔		↔		↙		↘		⤴		⤵		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	31,00	1,22	10	150	30	450	57,0	2,24	100	0,730	0,50
25,0	1"	37,00	1,46	10	150	30	450	75,0	2,95	100	0,910	0,62
32,0	1 1/4"	44,00	1,73	10	150	30	450	96,0	3,78	100	1,080	0,73
38,0	1 1/2"	50,00	1,97	10	150	30	450	114,0	4,49	100	1,260	0,85
51,0	2"	63,00	2,48	10	150	30	450	153,0	6,02	100	1,630	1,10
63,0	2 1/2"	75,00	2,95	10	150	30	450	189,0	7,44	90	2,140	1,44
76,0	3"	88,00	3,46	10	150	30	450	228,0	8,98	90	2,570	1,73
102,0	4"	116,00	4,57	10	150	30	450	306,0	12,05	90	3,560	2,40

Dimensions shown may be changed without prior notice

// 400LE

**EVOLUTION**

Multi food S&D 10 bar (150 psi)
FDA - D.M. 21/03/73 - 3A Sanitary Standards
Class II

Tube: white synthetic rubber.

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

Cover: blue synthetic rubber - abrasion and ozone resistant.

Application: liquid and fat food-alcoholic beverages suction and delivery - max 75%.

Special construction for maximum flexibility.

Sterilize with 130 °C (266 °F) steam for 30 minutes or with 5% soda solution.

Constant operation: liquid food -30 °C +110 °C (-22 °F +230 °F)
 fat food +120 (248 °F)

↔		↔		↻	↻	↻		↻		↻	↻	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	36,00	1,42	10	150	30	450	50,0	1,97	100	0,720	0,49
32,0	1 1/4"	43,00	1,69	10	150	30	450	64,0	2,52	100	0,870	0,59
38,0	1 1/2"	49,00	1,93	10	150	30	450	76,0	2,99	100	1,020	0,69
51,0	2"	63,00	2,48	10	150	30	450	204,0	8,03	100	1,340	0,91
63,0	2 1/2"	76,00	2,99	10	150	30	450	126,0	4,96	90	2,090	1,41
76,0	3"	89,00	3,50	10	150	30	450	252,0	9,92	90	2,100	1,42
102,0	4"	116,00	4,57	10	150	30	450	204,0	8,03	90	3,480	2,34

// ALCOHOLIC BEVERAGES

// 4680H



Liquid food S&D - PVC - Heavy duty
FDA - EU 10/2011 A+B+C - AS 2070

Construction: transparent PVC - abrasion and ozone resistant.
Reinforcement: red shock resistant rigid PVC.
Application: liquid food and alcoholic beverages suction and delivery - max 20%. Sterilize with 5% soda solution.
Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"			7	100	21	300	125,0	4,92	90	0,405	0,28
32,0	1 1/4"			7	100	21	300	160,0	6,30	90	0,530	0,36
38,0	1 1/2"			7	100	21	300	190,0	7,48	90	0,745	0,51
40,0	1 9/16"			7	100	21	300	200,0	7,87	90	0,765	0,52
51,0	2"			7	100	21	300	255,0	10,04	90	1,015	0,69
60,0	2 3/8"			7	100	21	300	300,0	11,81	90	1,475	1,00
63,0	2 1/2"			6	90	18	270	315,0	12,40	90	1,525	1,03
76,0	3"			5	75	15	225	380,0	14,96	90	1,930	1,30
80,0	3 1/8"			5	75	15	225	400,0	15,75	90	2,135	1,44
102,0	4"			4	60	12	180	510,0	20,08	90	3,355	2,26
120,0	4 3/4"			3	45	9	135	600,0	23,62	80	3,645	2,45

// 452LH



Liquid food delivery 10 bar (150 psi)
FDA arrêté du 09/11/94 D

Tube: white NR.
Reinforcement: high tensile textile cords.
Cover: red NBR/PVC - abrasion and ozone resistant.
Application: liquid food and alcoholic beverages delivery - max 50%. Sterilize with 110 °C (230 °F) steam for 10 minutes or with 5% soda solution.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
13,0	1/2"	23,00	0,91	10	150	30	450				0,380	0,26
19,0	3/4"	31,00	1,22	10	150	30	450				0,610	0,41
25,0	1"	37,00	1,46	10	150	30	450				0,760	0,52
32,0	1 1/4"	44,00	1,73	10	150	30	450				0,930	0,63
38,0	1 1/2"	50,00	1,97	10	150	30	450				1,080	0,73
51,0	2"	65,00	2,56	10	150	30	450				1,690	1,14
63,0	2 1/2"	77,00	3,03	10	150	30	450				2,030	1,37
76,0	3"	92,00	3,62	10	150	30	450				2,810	1,89

Dimensions shown may be changed without prior notice

// 402LH



**Liquid food S&D 10 bar (150 psi)
FDA arrêté du 09/11/94 D**

Tube: white NR.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: red NBR/PVC - abrasion and ozone resistant.
Application: liquid food and alcoholic beverages suction and delivery - max 50%. Special construction for maximum flexibility. Sterilize with 110 °C (230 °F) steam for 10 minutes or with 5% soda solution.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

↔		↔		↙		↘		↵		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	37,00	1,46	10	150	30	450	75,0	2,95	100	0,910	0,62
38,0	1 1/2"	50,00	1,97	10	150	30	450	114,0	4,49	100	1,260	0,85
51,0	2"	63,00	2,48	10	150	30	450	153,0	6,02	100	1,620	1,09
76,0	3"	88,00	3,46	10	150	30	450	228,0	8,98	90	2,550	1,72
102,0	4"	116,00	4,57	10	150	30	450	306,0	12,05	90	3,540	2,38

// 400LE



EVOLUTION

**Multi food S&D 10 bar (150 psi)
FDA - D.M. 21/03/73 - 3A Sanitary Standards
Class II**

Tube: white synthetic rubber.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: blue synthetic rubber - abrasion and ozone resistant.
Application: liquid and fat food-alcoholic beverages suction and delivery - max 75%. Special construction for maximum flexibility. Sterilize with 130 °C (266 °F) steam for 30 minutes or with 5% soda solution.
Constant operation: liquid food -30 °C +110 °C (-22 °F +230 °F) fat food +120 (248 °F)

↔		↔		↙		↘		↵		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	36,00	1,42	10	150	30	450	50,0	1,97	100	0,720	0,49
32,0	1 1/4"	43,00	1,69	10	150	30	450	64,0	2,52	100	0,870	0,59
38,0	1 1/2"	49,00	1,93	10	150	30	450	76,0	2,99	100	1,020	0,69
51,0	2"	63,00	2,48	10	150	30	450	204,0	8,03	100	1,340	0,91
63,0	2 1/2"	76,00	2,99	10	150	30	450	126,0	4,96	90	2,090	1,41
76,0	3"	89,00	3,50	10	150	30	450	252,0	9,92	90	2,100	1,42
102,0	4"	116,00	4,57	10	150	30	450	204,0	8,03	90	3,480	2,34

// 410LL



**Alcoholic beverages S&D 16 bar (240 psi) -
Crush resistant
FDA arrêté du 09/11/94 D**

Tube: white chlorobutyl.

Reinforcement: high tensile textile cords with embedded PET helix.

Cover: white EPDM - abrasion and ozone resistant.

Application: liquid food and alcoholic beverages suction and delivery - max 95%. Special crush resistant construction. Sterilize with 130 °C (266 °F) steam for 30 minutes or with 5% soda solution.

Constant operation: -30 °C +108 °C (-22 °F +226 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	37,00	1,46	16	240	48	720	100,0	3,94	100	0,870	0,59
38,0	1 1/2"	52,00	2,05	16	240	48	720	152,0	5,98	100	1,470	0,99
51,0	2"	65,00	2,56	16	240	48	720	204,0	8,03	100	1,900	1,28
76,0	3"	92,00	3,62	16	240	48	720	304,0	11,97	100	3,210	2,16

Dimensions shown may be changed without prior notice

// SMS 1145**// SMS 1145****Male - Serrated hose shank with collar - complete with seal - Stainless steel 316**

Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2301811	I389S100-025025	1"	25,0	SMS	40 x 1/6"
2301812	I389S100-038040	1 1/2"	38,0	SMS	60 x 1/6"
2301611	I389S100-051050	2"	51,0	SMS	70 x 1/6"
2301638	I389S100-063065	2 1/2"	63,0	SMS	85 x 1/6"
2301737	I389S100-076080	3"	76,0	SMS	98 x 1/6"
2302567	I389S100-102100	4"	102,0	SMS	132 x 1/6"

// SMS 1145**Female - Serrated hose shank with collar - Stainless steel 316**

Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2301612	I389S200-025025	1"	25,0	SMS	40 x 1/6"
2301813	I389S200-038040	1 1/2"	38,0	SMS	60 x 1/6"
2301276	I389S200-051050	2"	51,0	SMS	70 x 1/6"
2301637	I389S200-063065	2 1/2"	63,0	SMS	85 x 1/6"
2301814	I389S200-076080	3"	76,0	SMS	98 x 1/6"
2302568	I389S200-102100	4"	102,0	SMS	132 x 1/6"

// DIN 11851

// DIN 11851

Male - EN 14 420-2 / DIN 2817 hose shank complete with seal - Stainless steel 316

Item Code	Product Code	Hose ID		Thread type	Thread
		in	mm		in
2302529	I349Q100-025025	1"	25,0	DIN11851	52 x 1/6"
2302530	I349Q100-032032	1 1/4"	32,0	DIN11851	58 x 1/6"
2302531	I349Q100-038040	1 1/2"	38,0	DIN11851	65 x 1/6"
2302532	I349Q100-051050	2"	50,0	DIN11851	78 x 1/6"
2302533	I349Q100-063065	2 9/16"	65,0	DIN11851	95 x 1/6"
2302534	I349Q100-076080	3"	75,0	DIN11851	110 x 1/4"
2302535	I349Q100-102100	4"	100,0	DIN11851	130 x 1/4"

To assemble the insert, use "Safety clamps EN 14 420-3 / DIN 2817" and "Safety clamps Flexoline®": consult chapter "Clamps"

// DIN 11851

Female - EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316

Item Code	Product Code	Hose ID		Thread type	Thread
		in	mm		in
2302536	I349Q200-025025	1"	25,0	DIN11851	52 x 1/6"
2302537	I349Q200-032032	1 1/4"	32,0	DIN11851	58 x 1/6"
2302538	I349Q200-038040	1 1/2"	38,0	DIN11851	65 x 1/6"
2302539	I349Q200-051050	2"	50,0	DIN11851	78 x 1/6"
2302540	I349Q200-063065	2 9/16"	65,0	DIN11851	95 x 1/6"
2302541	I349Q200-076080	3"	75,0	DIN11851	110 x 1/4"
2302542	I349Q200-102100	4"	100,0	DIN11851	130 x 1/4"

To assemble the insert, use "Safety clamps EN 14 420-3 / DIN 2817" and "Safety clamps Flexoline®": consult chapter "Clamps"

Dimensions shown may be changed without prior notice

// DIN 11851

Male - Serrated hose shank complete with seal - Stainless steel 316



Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2302561	I389Q100-025025	1"	25,0	DIN11851	52 x 1/6"
2302562	I389Q100-032032	1 1/4"	32,0	DIN11851	58 x 1/6"
2302563	I389Q100-038040	1 1/2"	38,0	DIN11851	65 x 1/6"
2301713	I389Q100-051050	2"	51,0	DIN11851	78 x 1/6"
2301642	I389Q100-063065	2 1/2"	63,0	DIN11851	95 x 1/6"
2301643	I389Q100-076080	3"	76,0	DIN11851	110 x 1/4"
2302564	I389Q100-102100	4"	102,0	DIN11851	130 x 1/4"

// DIN 11851

Female with round nut - Serrated hose shank - Stainless steel 316



Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2301816	I389Q200-025025	1"	25,0	DIN11851	52 x 1/6"
2302565	I389Q200-032032	1 1/4"	32,0	DIN11851	58 x 1/6"
2301741	I389Q200-038040	1 1/2"	38,0	DIN11851	65 x 1/6"
2301639	I389Q200-051050	2"	51,0	DIN11851	78 x 1/6"
2301640	I389Q200-063065	2 1/2"	63,0	DIN11851	95 x 1/6"
2301641	I389Q200-076080	3"	76,0	DIN11851	110 x 1/4"
2302566	I389Q200-102100	4"	102,0	DIN11851	130 x 1/4"

// MACON

// MACON

Male - Serrated hose shank with collar - Stainless steel 316



Item Code	Product Code	Hose ID	Hose ID	Head DN
		in	mm	mm
2301635	I389M100-040040	1 9/16"	40,0	40,0
2301636	I389M100-050050	2"	50,0	50,0
2301817	I389M100-070070	2 3/4"	70,0	70,0

// MACON

Female with round nut - Serrated hose shank with collar complete with seal - Stainless steel 316



Item Code	Product Code	Hose ID	Hose ID	Head DN
		in	mm	mm
2301633	I389M200-040040	1 9/16"	40,0	40,0
2301634	I389M200-050050	2"	50,0	50,0
2301818	I389M200-070070	2 3/4"	70,0	70,0

// SYMMETRIC GUILLEMIN NF E.29.572**// SYMMETRIC GUILLEMIN NF E 29.572****Serrated hose shank - with locking ring complete with seal - Stainless steel 316**

Item Code	Product Code	Hose ID		Head DN
		in	mm	mm
2302438	I3191300-025020	1"	25,0	20,0
2302439	I3191300-030025	1 3/16"	30,0	25,0
2302101	I3191300-035032	1 3/8"	35,0	32,0
2300624	I3191300-045040	1 3/4"	45,0	40,0
2300625	I3191300-055050	2 1/6"	55,0	50,0
2301044	I3191300-070065	2 3/4"	70,0	65,0
2300627	I3191300-090080	3 1/2"	90,0	80,0
2302442	I3191300-110100	4 5/16"	110,0	100,0

// SYMMETRIC GUILLEMIN NF E 29.572**Serrated hose shank with collar - with locking ring complete with seal - Stainless steel 316**

Item Code	Product Code	Hose ID		Head DN
		in	mm	mm
2302440	I3191300-040040	1 9/16"	40,0	40,0
2302102	I3191300-051050	2"	51,0	50,0
2302103	I3191300-065065	2 9/16"	65,0	65,0
2300626	I3191300-076080	3"	76,0	80,0
2302441	I3191300-080080	3 1/8"	80,0	80,0
2302104	I3191300-102100	4"	102,0	100,0

Dimensions shown may be changed without prior notice

// CAM & GROOVE MILL A-A-59326A / MIL C-27487**// CAM & GROOVE MIL A-A-59326A / MIL C-27487****Type C - Coupler, hose shank - Stainless steel 316**

Item Code	Product Code	Hose ID	Hose ID	Head DN	Head DN
		in	mm	in	mm
2303244	I369C200-013013	1/2"	13,0	1/2"	13,0
2301866	I319C200-019019	3/4"	19,0	3/4"	19,0
2300620	I319C200-025025	1"	25,0	1"	25,0
2300621	I319C200-032032	1 1/4"	32,0	1 1/4"	32,0
2301867	I319C200-038038	1 1/2"	38,0	1 1/2"	38,0
2302448	I319C200-051051	2"	51,0	2"	51,0
2301868	I319C200-063063	2 1/2"	63,0	2 1/2"	63,0
2301869	I319C200-076076	3"	76,0	3"	76,0
2301870	I319C200-102102	4"	102,0	4"	102,0
2303605	I369C200-127127	5"	127,0	5"	127,0
2302449	I319C200-152152	6"	152,0	6"	152,0

// CAM & GROOVE MIL A-A-59326A / MIL C-27487**Type E - Adapter, hose shank - Stainless steel 316**

Item Code	Product Code	Hose ID	Hose ID	Head DN	Head DN
		in	mm	in	mm
2303250	I319C100-013013	1/2"	13,0	1/2"	13,0
2301927	I319C100-019019	3/4"	19,0	3/4"	19,0
2300618	I319C100-025025	1"	25,0	1"	25,0
2301929	I319C100-032032	1 1/4"	32,0	1 1/4"	32,0
2302443	I319C100-038038	1 1/2"	38,0	1 1/2"	38,0
2302444	I319C100-051051	2"	51,0	2"	51,0
2302445	I319C100-063063	2 1/2"	63,0	2 1/2"	63,0
2301931	I319C100-076076	3"	76,0	3"	76,0
2302446	I319C100-102102	4"	102,0	4"	102,0
2303683	I319C100-127127	5"	127,0	5"	127,0
2302447	I319C100-152152	6"	152,0	6"	152,0

// CAM & GROOVE EN 14 420-7 / DIN 2828**// CAM & GROOVE EN 14 420-7 / DIN 2828****Type CC - Coupler, EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316**

Item Code	Product Code	Hose ID		Head DN	
		in	mm	in	mm
2302522	I349G200-020020	13/16"	20,0	3/4"	19,0
2302523	I349G200-025025	1"	25,0	1"	25,0
2302524	I349G200-032032	1 1/4"	32,0	1 1/4"	32,0
2302525	I349G200-038040	1 1/2"	38,0	1 1/2"	38,0
2302099	I349G200-051050	2"	50,0	2"	51,0
2302526	I349G200-065065	2 9/16"	65,0	2 1/2"	63,0
2302527	I349G200-076080	3"	75,0	3"	76,0
2302528	I349G200-102100	4"	100,0	4"	102,0

To assemble the insert, use "Safety clamps EN 14 420-3 / DIN 2817" and "Safety clamps flexoline®": consult chapter "Clamps"

// CAM & GROOVE EN 14 420-7 / DIN 2828**Type EE - Adapter, EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316**

Item Code	Product Code	Hose ID		Head DN	
		in	mm	in	mm
2302514	I349G100-020020	13/16"	20,0	3/4"	19,0
2302515	I349G100-025025	1"	25,0	1"	25,0
2302516	I349G100-032032	1 1/4"	32,0	1 1/4"	32,0
2302517	I349G100-038040	1 1/2"	38,0	1 1/2"	38,0
2302518	I349G100-051050	2"	50,0	2"	51,0
2302519	I349G100-065065	2 9/16"	65,0	2 1/2"	63,0
2302520	I349G100-076080	3"	75,0	3"	76,0
2302521	I349G100-102100	4"	100,0	4"	102,0

To assemble the insert, use "Safety clamps EN 14 420-3 / DIN 2817" and "Safety clamps Flexoline®": consult chapter "Clamps"

Dimensions shown may be changed without prior notice

// EN 14 420-5 / DIN 2817**// EN 14 420-5 / DIN 2817****BSPP Male - EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316**

Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2302501	I3406100-013021	1/2"	13,0	BSPP	1/2"
2302502	I3406100-019027	3/4"	19,0	BSPP	3/4"
2302503	I3406100-025034	1"	25,0	BSPP	1"
2301771	I3406100-032042	1 1/4"	32,0	BSPP	1"1/4
2302504	I3406100-038049	1 1/2"	38,0	BSPP	1"1/2
2301772	I3406100-051060	2"	50,0	BSPP	2"
2301773	I3406100-063076	2 9/16"	65,0	BSPP	2"1/2
2301770	I3406100-076090	3"	75,0	BSPP	3"
2302505	I3406100-102114	4"	100,0	BSPP	4"

To assemble the insert, use "Safety clamps EN 14 420-3 / DIN 2817" and "Safety clamps Flexoline®": consult chapter "Clamps"

// EN 14 420-5 / DIN 2817**BSPP Female with swivel nut - EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316**

Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2302506	I3406200-013021	1/2"	13,0	BSPP	1/2"
2302507	I3406200-019027	3/4"	19,0	BSPP	3/4"
2302508	I3406200-025034	1"	25,0	BSPP	1"
2301734	I3406200-032042	1 1/4"	32,0	BSPP	1"1/4
2302509	I3406200-038049	1 1/2"	38,0	BSPP	1"1/2
2302510	I3406200-051060	2"	50,0	BSPP	2"
2302511	I3406200-063076	2 9/16"	65,0	BSPP	2"1/2
2302512	I3406200-076090	3"	75,0	BSPP	3"
2302513	I3406200-102114	4"	100,0	BSPP	4"

To assemble the insert, use "Safety clamps EN 14 420-3 / DIN 2817" and "Safety clamps Flexoline®": consult chapter "Clamps"

// TANKWAGEN EN 14 420-6 / DIN 28 450**// TANKWAGEN EN 14 420-6 / DIN 28 450****Type VK - Male part - BSPP Female - Stainless steel 316**

Item Code	Product Code	Thread type 1	Head DN side 1	Head DN side 1	Thread 1	Thread type 2	Head DN side 2	Head DN side 2	Thread 2
			in	mm			in	in	
2302636	I3A9T606-050060	TW	2"	50,0	-	BSPP	2"	51,0	2"
2301815	I3A9T606-080090	TW	3 1/8"	80,0	-	BSPP	3"	76,0	3"
2305915	I3A9T606-100114	TW	4"	100,0	-	BSPP	4"	102,0	4"

// TANKWAGEN EN 14 420-6 / DIN 28 450**Type MK - Female part complete with locking handle and seal - BSPP Female - Stainless steel 316**

Item Code	Product Code	Thread type 1	Head DN side 1	Head DN side 1	Thread 1	Thread type 2	Head DN side 2	Head DN side 2	Thread 2
			in	mm			in	in	
2302638	I3A9T806-050060	TW	2"	50,0	-	BSPP	2"	51,0	2"
2302639	I3A9T806-080090	TW	3 1/8"	80,0	-	BSPP	3"	76,0	3"
2305914	I3A9T806-100114	TW	4"	100,0	-	BSPP	4"	102,0	4"

Dimensions shown may be changed without prior notice

// BAND-IT SYSTEM**// BAND-IT SYSTEM****Banding tool - Plated steel**

Item Code	Product Code
2300912	I0LLT0

// BAND-IT SYSTEM**Banding bands - Stainless steel 304**

Item Code	Product Code	Clamp Width	Band Length
		mm	m
2302154	I2LLF0-013	12,7	30,000
2302155	I2LLF0-019	19,0	30,000

// BAND-IT SYSTEM**Banding buckles - Stainless steel 304**

Item Code	Product Code	Clamp Width	Band Length
		mm	m
2302157	I2LLB0-013	12,7	-
2302156	I2LLB0-019	19,0	-

Box = 100 pieces

// WORM GEAR CLAMP**// WORM GEAR CLAMP****Clamp - 1 bolt - DIN 3017 - W5 (Stainless steel 316)**

Item Code	Product Code	Hose OD (min)	Hose OD (max)	Clamp Width
		mm	mm	mm
2304181	I3LP1AD-01609	8,0	16,0	9,0
2304182	I3LP1AD-02209	12,0	22,0	9,0
2304030	I3LP1AD-02712	16,0	27,0	12,0
2304032	I3LP1AD-03212	20,0	32,0	12,0
2304033	I3LP1AD-04012	25,0	40,0	12,0
2304034	I3LP1AD-04512	30,0	45,0	12,0
2304035	I3LP1AD-05012	32,0	50,0	12,0
2304036	I3LP1AD-06012	40,0	60,0	12,0
2304037	I3LP1AD-07012	50,0	70,0	12,0
2304038	I3LP1AD-08012	60,0	80,0	12,0
2304039	I3LP1AD-09012	70,0	90,0	12,0
2304040	I3LP1AD-10012	80,0	100,0	12,0
2304041	I3LP1AD-11012	90,0	110,0	12,0
2304042	I3LP1AD-13012	110,0	130,0	12,0
2304043	I3LP1AD-16012	140,0	160,0	12,0
2304044	I3LP1AD-18012	160,0	180,0	12,0
2304045	I3LP1AD-20012	180,0	200,0	12,0
2304046	I3LP1AD-22012	200,0	220,0	12,0
2304047	I3LP1AD-24012	220,0	240,0	12,0

Dimensions shown may be changed without prior notice

// SUPERCLAMP

// SUPERCLAMP

Clamp - 1 bolt - W4 (Stainless steel 304)



Item Code	Product Code	Hose OD (min)	Hose OD (max)	Clamp Width
		mm	mm	mm
2303165	I2LP10-01918	17,0	19,0	18,0
2303166	I2LP10-02218	20,0	22,0	18,0
2303167	I2LP10-02518	23,0	25,0	18,0
2303168	I2LP10-02818	26,0	28,0	18,0
2302402	I2LP10-03121	29,0	31,0	21,0
2302049	I2LP10-03521	32,0	35,0	21,0
2301826	I2LP10-03921	36,0	39,0	21,0
2301760	I2LP10-04321	40,0	43,0	21,0
2302403	I2LP10-04721	44,0	47,0	21,0
2302050	I2LP10-05121	48,0	51,0	21,0
2301761	I2LP10-05521	52,0	55,0	21,0
2301762	I2LP10-05921	56,0	59,0	21,0
2301763	I2LP10-06321	60,0	63,0	21,0
2302404	I2LP10-06721	64,0	67,0	21,0
2302405	I2LP10-07324	68,0	73,0	24,0
2302234	I2LP10-07924	74,0	79,0	24,0
2302406	I2LP10-08524	80,0	85,0	24,0
2302051	I2LP10-09124	86,0	91,0	24,0
2302407	I2LP10-09724	92,0	97,0	24,0
2302408	I2LP10-10324	98,0	103,0	24,0
2302409	I2LP10-11224	104,0	112,0	24,0
2302411	I2LP10-12124	113,0	121,0	24,0
2302412	I2LP10-13026	122,0	130,0	26,0
2302413	I2LP10-13926	131,0	139,0	26,0
2302414	I2LP10-14826	140,0	148,0	26,0
2302415	I2LP10-16126	149,0	161,0	26,0
2302416	I2LP10-17426	162,0	174,0	26,0

// PW-CLAMP

// PW-CLAMP

Clamp - 1 bolt - W5 (Stainless steel 316)



Item Code	Product Code	Hose OD (min)	Hose OD (max)	Clamp Width
		mm	mm	mm
2304098	-	31,0	35,0	20,0
2304099	-	35,0	40,0	20,0
2304100	-	40,0	45,0	20,0
2304761	I3LP10-04720	43,0	47,0	20,0
2304101	-	44,0	50,0	20,0
2304102	-	49,0	55,0	20,0
2304767	-	55,0	60,0	20,0

// PW-CLAMP

Clamp - 2 bolts - W5 (Stainless steel 316)



Item Code	Product Code	Hose OD (min)	Hose OD (max)	Clamp Width
		mm	mm	mm
2304107	-	40,0	50,0	20,0
2304109	-	50,0	60,0	20,0
2304110	I3LP20-06520	55,0	65,0	20,0
2304111	-	60,0	70,0	20,0
2304112	-	65,0	75,0	20,0
2304113	I3LP20-08020	70,0	80,0	20,0
2304114	I3LP20-08520	75,0	85,0	20,0
2304115	I3LP20-09020	80,0	90,0	20,0
2304116	-	85,0	95,0	20,0
2304117	-	90,0	100,0	25,0
2304118	-	95,0	105,0	25,0
2304119	-	100,0	110,0	25,0
2304120	-	105,0	115,0	25,0
2304121	-	110,0	120,0	25,0
2304122	-	115,0	125,0	25,0
2304123	-	120,0	130,0	25,0
2304124	-	125,0	135,0	25,0
2304125	-	130,0	140,0	25,0
2304126	-	140,0	150,0	25,0
2304128	-	150,0	160,0	25,0
2304130	-	160,0	170,0	25,0
2304131	-	170,0	180,0	25,0
2304772	-	180,0	190,0	25,0
2304344	-	190,0	200,0	25,0
2304132	-	200,0	210,0	25,0
2304133	I3LP20-22025	210,0	220,0	25,0
2304134	-	220,0	230,0	25,0

Dimensions shown may be changed without prior notice

// SAFETY CLAMPS EN 14 420-3 / DIN 2817**// SAFETY CLAMPS EN 14 420-3 / DIN 2817****Safety clamps - Aluminium**

Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2302729	I5LG4D-013023	1/2"	13,0	22,0	24,0
2302730	I5LG4D-019031	3/4"	19,0	30,0	33,0
2302731	I5LG4D-025037	1"	25,0	36,0	39,0
2302015	I5LG4D-032044	1 1/4"	32,0	43,0	46,0
2302016	I5LG4D-038051	1 1/2"	38,0	50,0	52,0
2304819	I5LG4D-038055	1 1/2"	38,0	53,0	56,0
2304095	I5LG4D-051069	2"	50,0	69,0	71,0
2302017	I5LG4D-051066	2"	51,0	64,0	67,0
2301675	I5LG4D-063080	2 1/2"	63,0	78,0	82,0
2302018	I5LG4D-076091	3"	76,0	89,0	93,0
2302732	I5LG4D-080096	3"	76,0	94,0	97,0
2304096	I5LG4D-076099	3"	76,0	98,0	101,0
2302019	I5LG4D-102117	4"	102,0	114,0	119,0
2304097	I5LG4D-100120	4"	102,0	118,0	122,0
2302233	I5LG4D-127146	5"	127,0	143,0	148,0
2302020	I5LG4D-152171	6"	152,0	168,0	174,0
2302021	I5LG4D-203226	8"	203,0	222,0	229,0

// SAFETY CLAMPS EN 14 420-3 / DIN 2817**Safety clamps - Stainless steel 316**

Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2304094	I3LG4D-019031	3/4"	19,0	30,0	33,0
2302660	I3LG4D-025037	1"	25,0	36,0	39,0
2302022	I3LG4D-032044	1 1/4"	32,0	43,0	46,0
2302023	I3LG4D-038051	1 1/2"	38,0	50,0	52,0
2302024	I3LG4D-051066	2"	51,0	64,0	67,0
2301676	I3LG4D-063080	2 1/2"	63,0	78,0	82,0
2301759	I3LG4D-076091	3"	76,0	89,0	93,0
2302025	I3LG4D-102117	4"	102,0	114,0	119,0

// SAFETY CLAMPS FLEXOLINE

// SAFETY CLAMPS FLEXOLINE®

Safety clamps - Aluminium



Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2306570	I5LG4N-025035	1"	25,0	34,0	36,0
2307051	I5LG4N-032042	1 1/4"	32,0	41,0	43,0
2307052	I5LG4N-038048	1 1/2"	38,0	47,0	49,0
2304822	I5LG4N-051060	2"	51,0	59,0	61,0
2304823	I5LG4N-063075	2 1/2"	63,0	74,0	76,0
2304824	I5LG4N-076087	3"	76,0	86,0	88,0
2305871	I5LG4N-102114	4"	102,0	112,0	114,0

To be used with thin-wall hoses for which "Safety clamps EN 14 420-3 / DIN 2817" are too big and not suitable

// FERRULES

// I205C5

Smooth ferrule - Stainless steel 304



Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2300847	I205C5-020	3/4"	19,0	27,0	33,0
2300848	I205C5-025	1"	25,0	33,0	39,0
2300849	I205C5-032	1 1/4"	32,0	40,0	48,0
2300850	I205C5-040	1 9/16"	40,0	46,0	54,0
2300851	I205C5-050	2"	50,0	61,0	65,0
2300852	I205C5-065	2 9/16"	65,0	73,0	81,0
2300853	I205C5-080	3 1/8"	80,0	86,0	94,0
2300854	I205C5-100	4"	100,0	112,0	118,0

Dimensions shown may be changed without prior notice








// I208U**Serrated ferrule - for hygienic coupling - Stainless steel 304**

Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2307467	I208U025-033038	1"	25,0	33,0	38,0
2307466	I208U032-042046	1 1/4"	32,0	42,0	46,0
2301526	I208U040-047053	1 9/16"	40,0	47,0	53,0
2301527	I208U051-060065	2"	51,0	60,0	65,0
2301528	I208U063-074078	2 1/2"	63,0	74,0	78,0
2301529	I208U070-081086	2 3/4"	70,0	81,0	86,0
2301530	I208U076-087092	3"	76,0	87,0	92,0

// I307U-RK**Serrated ferrule - Stainless steel 316**

Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2307442	I307U025-035040	1"	25,0	35,0	40,0
2307447	I307U032-041044	1 1/4"	32,0	41,0	44,0
2303961	I307U038-049053	1 1/2"	38,0	49,0	53,0
2307845	I307U038-052057	1 1/2"	38,0	52,0	57,0
2307448	I307U051-060064	2"	51,0	60,0	64,0
2303962	I307U051-064067	2"	51,0	64,0	67,0
2303963	I307U051-068074	2"	51,0	68,0	74,0
2304503	I307U063-079082	2 1/2"	63,0	79,0	82,0
2303964	I307U063-087091	2 1/2"	63,0	87,0	91,0
2304504	I307U076-089092	3"	76,0	88,5	92,5
2303965	I307U076-099000	3"	76,0	95,0	101,0
2304556	I307U102-117122	4"	102,0	117,0	122,0
2303966	I307U102-128135	4"	102,0	128,0	135,0

// WASH DOWN - HOSE & RECOMMENDED FITTING TABLE

HOSE						
Hose	Tube	WP/ BP (bar)	ID Range (mm)	Temp. Range (°C)		
WASH DOWN	395BT 	PVC	50 / 150	12	-10 +70	
	350LE 	EPDM	Hot water 15 / 60 Steam 6 / 60	13 - 51	-40 +120	
	350LL 	EPDM	Hot water 15 / 60 Steam 6 / 60	13 -25	-40 +120	

The match hose/fittings is just an indication and needs checking depending on the actual application.
The final choice is on customer's responsibility.

*Rubber protective handle also available (Item code: 1900094)

				FITTINGS	
FDA TITLE 21			FRANCE 1994/11/09 CAT. D	Ground Joint Seal	Hydraulic Fittings
					
	●	A+B+C			●*
●	●		IANESCO	●	●
●	●		IANESCO	●	●

// WASH DOWN

// 395BT



Hot water wash down 50 bar (750 psi) EU 10/2011 A+B+C

Tube: grey non-toxic PVC.

Reinforcement: high tensile textile cords.

Cover: light blue synthetic elastomer - abrasion, ozone, animal fats and vegetable oils resistant.

Application: hot water wash down. Specially designed for the food and dairy industry. Designed for 40 bar at 70° C continuous use. Food grade.

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

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
12,0	15/32"	22,00	0,87	50	730	150	2250	84,0	3,31		0,340	0,23

// 350LE



Steam 6 bar (90 psi) - Hot water 15 bar (225 psi) FDA - arrêté du 09/11/94 D

Tube: white food grade EPDM.

Reinforcement: high tensile textile cords.

Cover: blue EPDM - heat, abrasion and ozone resistant.

Application: saturated steam and hot water delivery in general industrial applications. Specially designed for wash down use in the food and dairy industry.

Also suitable for liquid food and alcoholic beverages.

Constant operation: water -40 °C +120 °C (-40 °F +248 °F)
steam +165 °C (+330 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
13,0	1/2"	23,00	0,91	6	90	60	900				0,360	0,25
16,0	5/8"	26,00	1,02	6	90	60	900				0,420	0,29
19,0	3/4"	31,00	1,22	6	90	60	900				0,590	0,40
25,0	1"	37,00	1,46	6	90	60	900				0,740	0,50
32,0	1 1/4"	46,00	1,81	6	90	60	900				0,930	0,63
38,0	1 1/2"	52,00	2,05	6	90	60	900				1,090	0,74
51,0	2"	67,00	2,64	6	90	60	900				1,660	1,12

Dimensions shown may be changed without prior notice

// 350LL


Steam 6 bar (90 psi) - Hot water 15 bar (225 psi)
FDA - arrêté du 09/11/94 D
Tube: white EPDM.

Reinforcement: high tensile textile cords.

Cover: white EPDM - heat, abrasion and ozone resistant.

Application: saturated steam and hot water delivery in general industrial applications. Specially designed for wash down use in the food and dairy industry.

Also suitable for liquid food and alcoholic beverages.

Constant operation: water -40 °C +120 °C (-40 °F +248 °F)
 steam +165 °C (+330 °F)

↔		↔		↻		↻		⤴		⚠	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
13,0	1/2"	23,00	0,91	6	90	60	900				0,380	0,26
16,0	5/8"	26,00	1,02	6	90	60	900				0,450	0,31
19,0	3/4"	31,00	1,22	6	90	60	900				0,640	0,44
25,0	1"	37,00	1,46	6	90	60	900				0,790	0,54

// GROUND JOINT SEAL**// GROUND JOINT SEAL****BSPT Male - Serrated hose shank with safety collar - Plated steel**

Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2302983	I118B107-013021	1/2"	13,0	BSPT	1/2"
2302984	I118B107-019027	3/4"	19,0	BSPT	3/4"
2302985	I118B107-025034	1"	25,0	BSPT	1"

// GROUND JOINT SEAL**BSPT Male - Serrated hose shank with safety collar - Malleable iron**

Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2302986	I918B107-032042	1 1/4"	32,0	BSPT	1"1/4
2302987	I918B107-038049	1 1/2"	38,0	BSPT	1"1/2
2302988	I918B107-051060	2"	51,0	BSPT	2"
2302989	I918B107-063076	2 1/2"	63,0	BSPT	2"1/2
2302990	I918B107-076090	3"	76,0	BSPT	3"
2302991	I918B107-102114	4"	102,0	BSPT	4"

// GROUND JOINT SEAL**NPT Male - Serrated hose shank with safety collar - Malleable iron**

Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2303428	I918B128-013021	1/2"	13,0	NPT	1/2"
2303429	I918B128-019027	3/4"	19,0	NPT	3/4"
2303430	I918B128-025034	1"	25,0	NPT	1"
2303431	I918B128-032042	1 1/4"	32,0	NPT	1"1/4
2303432	I918B128-038049	1 1/2"	38,0	NPT	1"1/2
2303433	I918B128-051060	2"	51,0	NPT	2"
2303434	I918B128-063076	2 1/2"	63,0	NPT	2"1/2
2303435	I918B128-076090	3"	76,0	NPT	3"
2303436	I918B128-102114	4"	102,0	NPT	4"

Dimensions shown may be changed without prior notice

// GROUND JOINT SEAL**BSPF Female complete with wing nut and seal - Serrated hose shank with collar - Malleable iron**

Item Code	Product Code	Hose ID	Hose ID	Thread type	Thread
		in	mm		in
2302966	I918B206-013021	1/2"	13,0	BSPP	1/2"
2302967	I918B206-019027	3/4"	19,0	BSPP	3/4"
2302968	I918B206-025034	1"	25,0	BSPP	1"
2302969	I918B206-032042	1 1/4"	32,0	BSPP	1"1/4
2302970	I918B206-038049	1 1/2"	38,0	BSPP	1"1/2
2302971	I918B206-051060	2"	51,0	BSPP	2"
2302972	I918B206-063076	2 1/2"	63,0	BSPP	2"1/2
2302973	I918B206-076090	3"	76,0	BSPP	3"
2302974	I918B206-102114	4"	102,0	BSPP	4"

// GROUND JOINT SEAL**NPT Female complete with wing nut and seal - Serrated hose shank with collar - Malleable iron**

Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2302992	I9LG2F-013026	1/2"	13,0	24,0	27,0
2302993	I9LG2F-019032	3/4"	19,0	30,0	33,0
2303440	I9LG2F-019036	3/4"	19,0	33,3	38,1

// GROUND JOINT SEAL**Clamps - 4 bolt - 2 gripping finger type - Malleable iron**

Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2303443	I9LG4F-025038	1"	25,0	35,7	39,7
2302994	I9LG4F-025041	1"	25,0	39,0	43,5
2302995	I9LG4F-032046	1 1/4"	32,0	43,0	47,5
2302996	I9LG4F-038049	1 1/2"	38,0	46,0	51,0
2307855	I9LG4F-038054	1 1/2"	38,0	51,0	56,0
2303448	I9LG4F-038060	1 1/2"	38,0	55,5	60,0
2302997	I9LG4F-051067	2"	51,0	63,0	70,0
2307547	I9LG4F-063083	2 1/2"	63,0	78,5	87,5
2302998	I9LG4F-076094	3"	76,0	89,0	100,0

// GROUND JOINT SEAL**Clamps - 6 bolt - 3 gripping finger type - Malleable iron**

Item Code	Product Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)
		in	mm	mm	mm
2302999	I9LG6F-102123	4"	102,0	117,5	127,0
2307548	I9LG6F-102142	4"	102,0	133,5	142,0

// GENERAL PURPOSE - HOSE & RECOMMENDED FITTING TABLE

HOSE									
Hose	Tube	ID Range (mm)	Temp. Range (°C)		 TITLE 21				
GENERAL PURPOSE	49000 	PVC	3 - 25	-5 +60	●	●			
	49200 	PVC	6 - 51	-5 +60	●	●	●		A+B+C
	47200 	PVC	10 -152	-5 +60	●	●	●		A+B+C

The match hose/fittings is just an indication and needs checking depending on the actual application. The final choice is on customer's responsibility.

Tri-Clover hygienic fittings available in Australian market for 47200 hose. Please refer to Alfagomma Australia local brochure.

FITTINGS					HYGIENIC FITTINGS		
Type GK claw coupling	Cam & Groove MIL A-A-59326A/ MIL C-27487	Symmetric Guillemin NF E 29.572	Storz	Combination nipple	DIN 11851 (serrated hose shank)	SMS (serrated hose shank)	Macon
							
●				●			
●	●	●		●	●	●	
	●	●	●		●	●	●

// GENERAL PURPOSE

// 49000



General purpose tubing - PVC FDA

Tube: transparent PVC.

Application: general purpose. Sterilize with 5% soda solution.

Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↕		↕		↗		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
3,0	1/8"	5,00	0,20								0,015	0,02
4,0	5/32"	6,00	0,24								0,020	0,02
5,0	3/16"	8,00	0,31								0,040	0,03
6,0	1/4"	9,00	0,35								0,045	0,04
7,0	9/32"	11,00	0,43								0,070	0,05
8,0	5/16"	12,00	0,47								0,080	0,06
10,0	3/8"	14,00	0,55								0,095	0,07
12,0	15/32"	16,00	0,63								0,110	0,08
14,0	9/16"	19,00	0,75								0,160	0,11
16,0	5/8"	22,00	0,87								0,220	0,15
18,0	23/32"	24,00	0,94								0,245	0,17
20,0	13/16"	26,00	1,02								0,265	0,18
22,0	7/8"	28,00	1,10								0,290	0,20
25,0	1"	32,00	1,26								0,415	0,28

// 49200



General purpose food quality - PVC FDA - EU 10/2011 A+B+C - AS 2070

Tube: transparent PVC.

Reinforcement: high tensile textile cords.

Cover: transparent PVC with longitudinal red stripes - abrasion and ozone resistant.

Application: general purpose food quality. Sterilize with 5% soda solution.

Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↕		↕		↗		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
6,0	1/4"	11,00	0,43	20	300	60	900				0,085	0,06
6,0	1/4"	12,00	0,47	20	300	60	900				0,110	0,08
8,0	5/16"	13,00	0,51	15	225	45	650				0,105	0,08
8,0	5/16"	14,00	0,55	15	225	45	650				0,130	0,09
10,0	3/8"	15,00	0,59	15	225	45	650				0,125	0,09
10,0	3/8"	16,00	0,63	15	225	45	650				0,155	0,11
13,0	1/2"	19,00	0,75	10	150	30	450				0,190	0,13
16,0	5/8"	22,00	0,87	10	150	30	450				0,225	0,16
19,0	3/4"	25,00	0,98	10	150	30	450				0,260	0,18
19,0	3/4"	26,00	1,02	10	150	30	450				0,310	0,21
25,0	1"	32,00	1,26	10	150	30	450				0,390	0,27
25,0	1"	33,00	1,30	10	150	30	450				0,450	0,31
30,0	1 3/16"	38,00	1,50	7	100	21	300				0,530	0,36
32,0	1 1/4"	42,00	1,65	7	100	21	300				0,715	0,49
38,0	1 1/2"	48,00	1,89	7	100	21	300				0,830	0,56
51,0	2"	63,00	2,48	6	90	18	270				1,330	0,90

Dimensions shown may be changed without prior notice

// 47200



2004/1835 EC
2006/2023 EC



**General purpose food quality S&D - PVC
FDA - EU 10/2011 A+B+C - AS 2070**

Construction: transparent PVC - abrasion and ozone resistant.

Reinforcement: Steel helix wire.

Application: general purpose liquid food and alcoholic beverages suction and delivery - max 20% - Sterilize with 5% soda solution.

Constant operation: -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↻		↻		⤴		⤵		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
10,0	3/8"	16,00	0,63	15	225	45	650	40,0	1,57	90	0,160	0,11
13,0	1/2"	19,00	0,75	7	100	21	300	52,0	2,05	85	0,195	0,14
14,0	9/16"	20,00	0,79	6	90	18	270	56,0	2,20	85	0,210	0,15
16,0	5/8"	22,00	0,87	6	90	18	270	64,0	2,52	85	0,250	0,17
18,0	23/32"	25,00	0,98	6	90	18	270	72,0	2,83	85	0,300	0,21
20,0	13/16"	27,00	1,06	5	75	15	225	80,0	3,15	85	0,330	0,23
22,0	7/8"	29,00	1,14	5	75	15	225	88,0	3,46	85	0,380	0,26
25,0	1"	33,00	1,30	5	75	15	225	100,0	3,94	85	0,515	0,35
30,0	1 3/16"	38,00	1,50	4	60	12	180	120,0	4,72	85	0,610	0,41
32,0	1 1/4"	40,00	1,57	4	60	12	180	128,0	5,04	85	0,650	0,44
35,0	1 3/8"	44,00	1,73	4	60	12	180	140,0	5,51	85	0,785	0,53
38,0	1 1/2"	47,00	1,85	4	60	12	180	152,0	5,98	85	0,810	0,55
40,0	1 9/16"	49,00	1,93	3	45	9	135	160,0	6,30	85	0,885	0,60
45,0	1 3/4"	55,00	2,17	3	45	9	135	180,0	7,09	80	1,100	0,74
51,0	2"	61,00	2,40	3	45	9	135	204,0	8,03	80	1,230	0,83
60,0	2 3/8"	72,00	2,83	2	30	6	90	240,0	9,45	80	1,700	1,15
63,0	2 1/2"	75,00	2,95	2	30	6	90	252,0	9,92	80	1,775	1,20
70,0	2 3/4"	84,00	3,31	2	30	6	90	280,0	11,02	80	2,030	1,37
76,0	3"	90,00	3,54	2	30	6	90	304,0	11,97	70	2,350	1,58
80,0	3 1/8"	94,00	3,70	2	30	6	90	320,0	12,60	70	2,500	1,69
90,0	3 1/2"	104,00	4,09	2	30	6	90	360,0	14,17	70	3,000	2,02
102,0	4"	116,00	4,57	2	30	6	90	408,0	16,06	70	3,480	2,34
105,0	4 1/8"	121,00	4,76	3	45	9	135	420,0	16,54	90	4,250	2,86
152,0	6"	172,00	6,77	2	30	6	90	608,0	23,94	70	7,200	4,84

// TYPE GK CLAW COUPLING**// TYPE GK CLAW COUPLING****Hose shank complete with seal - Brass**

Item Code	Product Code	Hose ID		Claw Distance Internal	Claw Distance External
		in	mm	mm	mm
2304856	I818A300-010040	3/8"	10,0	40	54
2301796	I818A300-013040	1/2"	13,0	40	54
2304857	I818A300-016040	5/8"	16,0	40	54
2301797	I818A300-019040	3/4"	19,0	40	54
2301798	I818A300-025040	1"	25,0	40	54
2304859	I818A300-032040	1 1/4"	32,0	40	54
2304858	I818A300-038040	1 1/2"	38,0	40	54

Recommended fittings for general purpose hoses: please refer to "Agriculture" and "Liquid-Food" sections.

POWER TRANSMISSION

- // AGRICULTURE
- // EARTH MOVING
- // FORESTRY



// TEXTILE BRAID

// ARGUS 1TE/R6 (HF)



SAE 100 R6 - EN 854 R6 (up to 3/4") - EXCEEDS EN 854 1TE

Tube: oil resistant synthetic rubber.

Reinforcement: one high tensile textile braid.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

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

HALOGEN-FREE COMPOUND

Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)

Safety factor: 4:1

Length: random

Item Code	↔			↔		↙		↘		⤴		⚙	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001385	04	6,0	1/4"	12,70	0,50	2,8	400	11,2	1620	64,0	2,52	0,110	0,08
1001386	05	8,0	5/16"	14,30	0,56	2,8	400	11,2	1620	76,0	2,99	0,130	0,09
1001387	06	10,0	3/8"	15,90	0,63	2,8	400	11,2	1620	76,0	2,99	0,160	0,11
1001388	08	13,0	1/2"	19,80	0,78	2,8	400	11,2	1620	102,0	4,02	0,220	0,15
1001389	10	16,0	5/8"	23,00	0,91	2,4	350	9,6	1400	107,0	4,21	0,270	0,19
1001390	12	19,0	3/4"	26,90	1,06	2,1	300	8,4	1200	152,0	5,98	0,330	0,23
1001391	16	25,0	1"	33,50	1,32	1,7	250	7,0	1000	203,0	7,99	0,500	0,34

Dimensions shown may be changed without prior notice

// WIRE BRAID

// FLEXOPAK 1SC



ISO 11237 - EN 857 1SC

Tube: oil resistant synthetic rubber.**Reinforcement:** one high tensile steel braid.**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber.**Application:** high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.**Constant operation:** -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)**Safety factor:** 4:1**Length:** random

Item Code	↔			↔		↻		↻		⤴		⚖	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000305	08	13,0	1/2"	19,50	0,77	16,0	2320	64,0	9280	90,0	3,54	0,410	0,28
1000280	10	16,0	5/8"	23,00	0,91	13,0	1900	52,0	7560	100,0	3,94	0,440	0,30
1000251	12	19,0	3/4"	26,70	1,05	10,5	1530	42,0	6000	125,0	4,92	0,570	0,39
1000252	16	25,0	1"	34,90	1,37	8,8	1280	35,2	5100	150,0	5,91	0,740	0,50

// FLEXOR 1SN/R1AT (HF)



ISO 1436-1 - SAE 100 R1AT - EN 853 1SN

Tube: oil resistant synthetic rubber.**Reinforcement:** one high tensile steel braid.**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber.**Application:** high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.**HALOGEN-FREE COMPOUND****Constant operation:** -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)**Safety factor:** 4:1**Length:** random up to 1" - 61 m max over 1"1/4

Item Code	↔			↔		↻		↻		⤴		⚖	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001330	03	5,0	3/16"	11,10	0,44	25,0	3630	100,0	14500	90,0	3,54	0,160	0,11
1001331	04	6,0	1/4"	12,70	0,50	22,5	3250	90,0	13000	100,0	3,94	0,198	0,14
1001332	05	8,0	5/16"	14,20	0,56	21,5	3120	86,0	12500	115,0	4,53	0,240	0,17
1001333	06	10,0	3/8"	16,50	0,65	18,0	2610	72,0	10500	130,0	5,12	0,296	0,20
1001334	08	13,0	1/2"	19,90	0,78	16,0	2320	64,0	9280	180,0	7,09	0,372	0,26
1001335	10	16,0	5/8"	23,00	0,91	13,0	1900	52,0	7560	200,0	7,87	0,420	0,29
1001336	12	19,0	3/4"	27,00	1,06	10,5	1530	42,0	6000	240,0	9,45	0,560	0,38
1001337	16	25,0	1"	35,00	1,38	8,8	1280	35,2	5100	300,0	11,81	0,876	0,59
1001338	20	32,0	1 1/4"	42,50	1,67	6,3	920	25,2	3680	420,0	16,54	1,095	0,74
1001339	24	38,0	1 1/2"	49,70	1,96	5,0	730	20,0	2900	500,0	19,69	1,329	0,90
1001340	32	51,0	2"	62,90	2,48	4,0	600	16,0	2320	630,0	24,80	1,835	1,24

// FLEXOPAK 2SC (HF)



ISO 11237 - EN 857 2SC

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
 air max T = +70 °C (+160 °F)
Safety factor: 4:1
Length: random

Item Code	↔			↔		↻		↻		⤴		⚙	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000365	04	6,0	1/4"	13,00	0,51	40,0	5850	160,0	23200	75,0	2,95	0,255	0,18
1000366	05	8,0	5/16"	14,70	0,58	35,0	5000	140,0	20000	85,0	3,35	0,300	0,21
1000367	06	10,0	3/8"	16,50	0,65	33,0	4800	132,0	19200	90,0	3,54	0,370	0,25
1000368	08	13,0	1/2"	19,90	0,78	27,5	4000	110,0	16000	130,0	5,12	0,470	0,32
1000369	10	16,0	5/8"	23,40	0,92	25,0	3630	100,0	14500	170,0	6,69	0,591	0,40
1000370	12	19,0	3/4"	27,60	1,09	21,5	3120	86,0	12500	200,0	7,87	0,789	0,54
1000371	16	25,0	1"	34,90	1,37	16,5	2400	66,0	9600	250,0	9,84	1,155	0,78

// FLEXOR 2SN/R2AT (HF)



ISO 1436-1 - SAE 100 R2AT - EN 853 2SN

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
 air max T = +70 °C (+160 °F)
Safety factor: 4:1
Length: random up to 1" - 61 m max over 1"1/4

Item Code	↔			↔		↻		↻		⤴		⚙	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001341	03	5,0	3/16"	13,00	0,51	42,0	6000	168,0	24000	90,0	3,54	0,282	0,19
1001342	04	6,0	1/4"	14,20	0,56	40,0	5850	160,0	23200	100,0	3,94	0,330	0,23
1001343	05	8,0	5/16"	15,80	0,62	35,0	5000	140,0	20000	115,0	4,53	0,357	0,24
1001344	06	10,0	3/8"	18,20	0,72	33,0	4800	132,0	19200	125,0	4,92	0,460	0,31
1001345	08	13,0	1/2"	21,30	0,84	27,5	4000	110,0	16000	175,0	6,89	0,534	0,36
1001346	10	16,0	5/8"	24,50	0,96	25,0	3630	100,0	14500	200,0	7,87	0,670	0,46
1001347	12	19,0	3/4"	28,60	1,13	21,5	3120	86,0	12500	240,0	9,45	0,846	0,57
1001348	16	25,0	1"	36,60	1,44	16,5	2400	66,0	9600	300,0	11,81	1,250	0,85
1001349	20	32,0	1 1/4"	46,00	1,81	12,5	1820	50,0	7280	420,0	16,54	1,840	1,24
1001350	24	38,0	1 1/2"	52,80	2,08	9,0	1310	36,0	5240	500,0	19,69	2,030	1,37
1001351	32	51,0	2"	65,60	2,58	8,0	1200	32,0	4640	630,0	24,80	2,760	1,86

Dimensions shown may be changed without prior notice

// FLEXOPAK 2 - MINETUFF



ISO 11237 - SAE 100 R16 - EN 857 2SC (up to 1")

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile steel braids.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

MSHA APPROVED

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

Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)

Safety factor: 4:1

Length: random up to 1" - 61 m max over 1"1/4

Item Code	↔			↔		↻		↻		↷		⚖	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000146	04	6,0	1/4"	13,00	0,51	42,0	6000	168,0	24000	51,0	2,01	0,259	0,18
1000174	05	8,0	5/16"	14,50	0,57	37,5	5500	150,0	22000	57,0	2,24	0,313	0,22
1000147	06	10,0	3/8"	16,80	0,66	35,0	5000	140,0	20000	64,0	2,52	0,373	0,26
1000171	08	13,0	1/2"	20,60	0,81	31,0	4500	124,0	18000	90,0	3,54	0,502	0,34
1000104	10	16,0	5/8"	23,20	0,91	28,0	4000	112,0	16000	101,0	3,98	0,598	0,41
1000172	12	19,0	3/4"	27,60	1,09	24,0	3500	96,0	14000	121,0	4,76	0,781	0,53
1000173	16	25,0	1"	35,50	1,40	21,0	3000	84,0	12000	152,0	5,98	1,266	0,86
1001533	20	32,0	1 1/4"	42,00	1,65	14,0	2000	58,0	8400	210,0	8,27	1,367	0,92
1001728	24	38,0	1 1/2"	49,90	1,96	12,5	1820	50,0	7280	430,0	16,93	1,970	1,33
1001729	32	51,0	2"	63,50	2,50	10,0	1500	40,0	5850	550,0	21,65	2,550	1,72
1001945	40	63,0	2 1/2"	76,40	3,01	7,5	1100	30,0	4300	720,0	28,35	3,300	2,22
1001994	48	76,0	3"	90,00	3,54	7,0	1000	28,0	4000	880,0	34,65	3,850	2,59

// ALFAFOREST



Tube: oil resistant synthetic rubber.

Reinforcement: three high tensile steel braids.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

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

Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)

Safety factor: 4:1

Length: random

Item Code	↔			↔		↻		↻		↷		⚖	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003800	06	10,0	3/8"	21,70	0,85	50,0	7280	196,0	28000	120,0	4,72	0,760	0,52
1003803	08	13,0	1/2"	24,80	0,98	46,9	6800	188,0	27200	160,0	6,30	0,880	0,60
1003316	10	16,0	5/8"	28,30	1,11	41,4	6000	164,0	23500	210,0	8,27	1,110	0,75
1003317	12	19,0	3/4"	32,20	1,27	37,5	5500	150,0	22000	260,0	10,24	1,380	0,93
1003318	16	25,0	1"	40,40	1,59	33,0	4800	130,8	19000	310,0	12,20	1,938	1,31
1003804	20	32,0	1 1/4"	45,90	1,81	24,0	3500	96,0	14000	410,0	16,14	2,310	1,56

// ALFABIOTECH

// ALFABIOTECH 4000 - MINETUFF



ISO 18752

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.

Reinforcement: four high tensile steel spirals.

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.

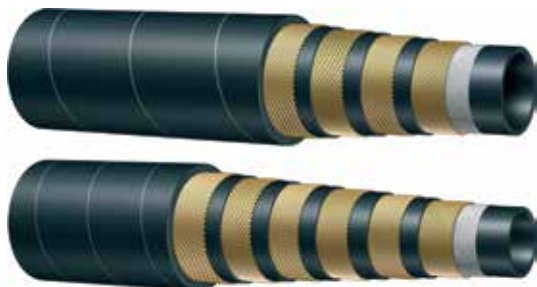
Constant operation: -40 °C +121 °C (-40 °F +250 °F)

Safety factor: 4:1

Length: random up to 1" - 61 m max over 1"1/4

Item Code	↔			↔		↻		↻		⤴		⚖	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001691	12	19,0	3/4"	29,50	1,16	28,0	4000	112,0	16000	120,0	4,72	1,019	0,69
1001692	16	25,0	1"	37,50	1,48	28,0	4000	112,0	16000	150,0	5,91	1,464	0,99
1002484	20	32,0	1 1/4"	45,70	1,80	28,0	4000	112,0	16000	260,0	10,24	2,231	1,50
1002502	24	38,0	1 1/2"	51,80	2,04	29,0	4200	116,0	16800	420,0	16,54	2,952	1,99
1002483	32	51,0	2"	66,80	2,63	28,0	4000	112,0	16000	530,0	20,87	4,475	3,01

// ALFABIOTECH 5000 - MINETUFF



ISO 18752

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.

Reinforcement: four/six high tensile steel spirals.

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.

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

Safety factor: 4:1

Length: random up to 1" - 61 m max over 1"1/4

Item Code	Constr.	↔			↔		↻		↻		⤴		⚖	
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001693	4WS	10	16,0	5/8"	26,30	1,04	35,0	5000	140,0	20000	140,0	5,51	0,931	0,63
1001694	4WS	12	19,0	3/4"	31,00	1,22	35,0	5000	140,0	20000	150,0	5,91	1,230	0,83
1001695	4WS	16	25,0	1"	37,60	1,48	35,0	5000	140,0	20000	180,0	7,09	1,680	1,13
1001696	4WS	20	32,0	1 1/4"	45,80	1,80	35,0	5000	140,0	20000	280,0	11,02	2,448	1,65
1001780	6WS	24	38,0	1 1/2"	56,50	2,22	35,0	5000	140,0	20000	500,0	19,69	4,483	3,02
1001779	6WS	32	51,0	2"	70,20	2,76	35,0	5000	140,0	20000	550,0	21,65	6,159	4,14
1003076	6WS	40	63,0	2 1/2"	82,80	3,26	35,0	5000	140,0	20000	820,0	32,28	7,570	5,09

Dimensions shown may be changed without prior notice

// ALFABIOTECH 5000 PLUS - MINETUFF



ISO 18752

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.

Reinforcement: four high tensile steel spirals.

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.

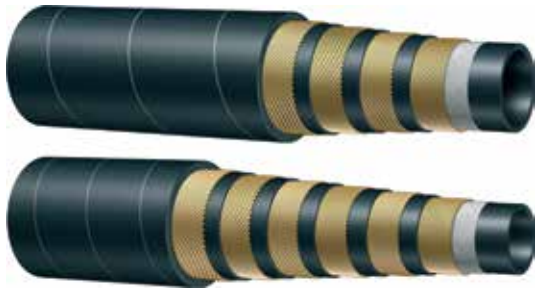
Constant operation: -40 °C +121 °C (-40 °F +250 °F)

Safety factor: 4:1

Length: random

Item Code	↔			↔		↻		↻		⤴		⚖	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001712	12	19,0	3/4"	31,00	1,22	38,0	5500	152,0	22040	180,0	7,09	1,338	0,90
1001713	16	25,0	1"	38,30	1,51	38,0	5500	152,0	22040	210,0	8,27	1,918	1,29

// ALFABIOTECH 6000 - MINETUFF



ISO 18752 - EXCEEDS SAE 100 R15

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.

Reinforcement: four/six high tensile steel spirals.

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.

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

Safety factor: 4:1

Length: random up to 1" - 61 m max over 1"1/4

Item Code	Constr.	↔			↔		↻		↻		⤴		⚖	
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001697	4WS	04	6,0	1/4"	17,30	0,68	45,0	6550	180,0	26200	60,0	2,36	0,518	0,35
1001698	4WS	06	10,0	3/8"	20,10	0,79	44,5	6450	178,0	25800	75,0	2,95	0,620	0,42
1001699	4WS	08	13,0	1/2"	23,00	0,91	42,0	6000	168,0	24000	90,0	3,54	0,770	0,52
1001700	4WS	10	16,0	5/8"	28,20	1,11	42,0	6000	168,0	24000	180,0	7,09	1,198	0,81
1001701	4WS	12	19,0	3/4"	31,40	1,24	42,0	6000	168,0	24000	210,0	8,27	1,429	0,97
1001702	4WS	16	25,0	1"	38,20	1,50	42,0	6000	168,0	24000	250,0	9,84	1,991	1,34
1002487	4WS	20	32,0	1 1/4"	46,10	1,81	42,0	6000	168,0	24000	445,0	17,52	2,883	1,94
1002485	6WS	20	32,0	1 1/4"	49,30	1,94	42,0	6000	168,0	24000	445,0	17,52	3,435	2,31
1002486	6WS	24	38,0	1 1/2"	56,50	2,22	42,0	6000	168,0	24000	530,0	20,87	4,480	3,02
1003505	6WS	32	51,0	2"	71,00	2,80	42,0	6000	168,0	24000	650,0	25,59	6,500	4,37

// PRESSURE WASH

// ALFAJET 210



Tube: oil, detergents and hot water resistant synthetic rubber.

Reinforcement: one high tensile steel braid.

Cover: smooth. Abrasion, ozone and hydrocarbon resistant blue synthetic rubber, pin-pricked. Black cover also available.

Application: high pressure power cleaners. Specially designed for hot water applications. Not recommended for steam service.

Safety factor: 4:1

Length: random

Item Code	↔			↔		↻		↻		↷		♻	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000192	04	6,0	1/4"	12,10	0,48	21,0	3000	84,0	12000	50,0	1,97	0,161	0,11
1000185	05	8,0	5/16"	14,10	0,56	21,0	3000	84,0	12000	60,0	2,36	0,184	0,13
1000098	06	10,0	3/8"	15,60	0,61	21,0	3000	73,0	10588	65,0	2,56	0,250	0,17
1000166	08	13,0	1/2"	19,50	0,77	21,0	3000	73,0	10588	90,0	3,54	0,359	0,25

// ALFAJET 400



Tube: oil, detergents and hot water resistant synthetic rubber.

Reinforcement: two high tensile steel braids.

Cover: smooth. abrasion, ozone and hydrocarbon resistant blue synthetic rubber, pin-pricked. Black cover also available.

Application: high pressure power cleaners. Specially designed for hot water applications. Not recommended for steam service.

Safety factor: 4:1

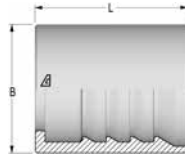
Length: random

Item Code	↔			↔		↻		↻		↷		♻	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000221	04	6,0	1/4"	13,20	0,52	40,0	5850	140,0	20000	70,0	2,76	0,250	0,17
1000220	05	8,0	5/16"	14,90	0,59	40,0	5850	140,0	20000	76,0	2,99	0,293	0,20
1000219	06	10,0	3/8"	16,70	0,66	40,0	5850	130,0	18900	90,0	3,54	0,363	0,25
1000218	08	13,0	1/2"	20,10	0,79	40,0	5850	120,0	17450	115,0	4,53	0,477	0,33

Dimensions shown may be changed without prior notice

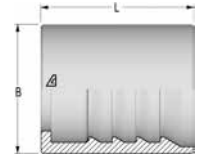
// FERRULES

// H1100104 Skive Ferrule



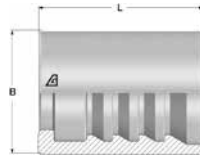
Item Code	Part Number	ID			B	L
		Dash	mm	in		
1201545	H1100104-200000	20	31,0	1 1/4"	50,0	43,8
1201546	H1100104-240000	24	38,0	1 1/2"	57,0	49,2
1201547	H1100104-320000	32	51,0	2"	71,0	63,7

// H1100404 Skive Ferrule



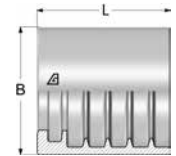
Item Code	Part Number	ID			B	L
		Dash	mm	in		
1202719	H1100404-040000	04	6,0	1/4"	22,0	26,3
1203253	H1100404-060000	06	10,0	3/8"	25,0	28,5
1203266	H1100404-080000	08	13,0	1/2"	29,0	34,7
1219132	H1100404-100000	10	16,0	5/8"	33,0	37,5
1203368	H1100404-120000	12	19,0	3/4"	37,0	41,5
1234701	H1100404-160000	16	25,0	1"	45,0	47,7
1234766	H1100404-200000	20	31,0	1 1/4"	55,0	54,5
1234767	H1100404-240000	24	38,0	1 1/2"	67,0	61,1
1234768	H1100404-320000	32	51,0	2"	82,0	75,1

// H1100SK1 Skive Ferrule



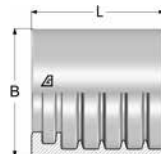
Item Code	Part Number	ID			B	L
		Dash	mm	in		
1233077	H1100SK1-040000	04	6,0	1/4"	19,0	25,5
1233078	H1100SK1-050000	05	8,0	5/16"	21,0	25,5
1233079	H1100SK1-060000	06	10,0	3/8"	23,0	27,5
1233080	H1100SK1-080000	08	13,0	1/2"	27,0	33,5
1233081	H1100SK1-100000	10	16,0	5/8"	30,0	36,5
1233082	H1100SK1-120000	12	19,0	3/4"	33,0	40,0
1233083	H1100SK1-160000	16	25,0	1"	41,0	46,5

// H1200AD1 No-skive Ferrule



Item Code	Part Number	ID			B	L
		Dash	mm	in		
1227977	H1200AD1-030000	03	5,0	3/16"	19,0	24,0
1227978	H1200AD1-040000	04	6,0	1/4"	22,0	24,7
1227979	H1200AD1-050000	05	8,0	5/16"	23,0	24,7
1227980	H1200AD1-060000	06	10,0	3/8"	26,0	29,7
1227981	H1200AD1-080000	08	13,0	1/2"	29,0	30,5
1227983	H1200AD1-100000	10	16,0	5/8"	32,0	30,5
1227985	H1200AD1-120000	12	19,0	3/4"	36,0	36,0
1227986	H1200AD1-160000	16	25,0	1"	44,0	36,7
1227987	H1200AD1-200000	20	31,0	1 1/4"	53,0	48,6
1227988	H1200AD1-240000	24	38,0	1 1/2"	61,0	48,6
1227989	H1200AD1-320000	32	51,0	2"	75,0	48,6

// H1200AD2 No-skive Ferrule

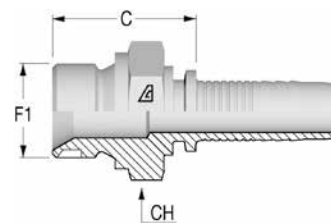


Item Code	Part Number	ID			B	L
		Dash	mm	in		
1227990	H1200AD2-030000	03	5,0	3/16"	21,0	21,5
1227991	H1200AD2-040000	04	6,0	1/4"	23,0	24,7
1227992	H1200AD2-050000	05	8,0	5/16"	25,0	24,7
1227993	H1200AD2-060000	06	10,0	3/8"	27,0	29,7
1227994	H1200AD2-080000	08	13,0	1/2"	30,0	30,5
1227995	H1200AD2-100000	10	16,0	5/8"	33,0	30,5
1227996	H1200AD2-120000	12	19,0	3/4"	37,0	36,0
1227997	H1200AD2-160000	16	25,0	1"	45,0	36,7
1227998	H1200AD2-200000	20	31,0	1 1/4"	56,0	48,6
1227999	H1200AD2-240000	24	38,0	1 1/2"	64,0	48,5
1228000	H1200AD2-320000	32	51,0	2"	78,0	48,6

// BSP INSERTS

// H1210510

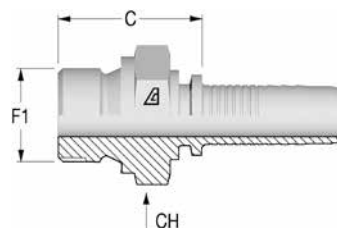
**BSP Male 60° Flare
AGR**



Item Code	Part Number	Nut Type	ID			F1		C	CH
			Dash	mm	in	Dash Size	F1		
1201291	H1210510-030200	NA	03	5,0	3/16"	02	1/8-28	20,3	14,0
1201722	H1210510-040200	NA	04	6,0	1/4"	02	1/8-28	20,8	14,0
1200507	H1210510-040400	NA	04	6,0	1/4"	04	1/4-19	26,3	19,0
1200508	H1210510-040600	NA	04	6,0	1/4"	06	3/8-19	27,8	22,0
1201098	H1210510-040800	NA	04	6,0	1/4"	08	1/2-14	31,3	27,0
1200540	H1210510-050400	NA	05	8,0	5/16"	04	1/4-19	26,3	19,0
1200541	H1210510-050600	NA	05	8,0	5/16"	06	3/8-19	27,8	22,0
1201101	H1210510-050800	NA	05	8,0	5/16"	08	1/2-14	31,3	27,0
1200340	H1210510-060400	NA	06	10,0	3/8"	04	1/4-19	26,3	19,0
1200341	H1210510-060600	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1200339	H1210510-060800	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1200386	H1210510-080600	NA	08	13,0	1/2"	06	3/8-19	28,6	22,0
1200384	H1210510-080800	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0
1201096	H1210510-081000	NA	08	13,0	1/2"	10	5/8-14	34,1	30,0
1200385	H1210510-081200	NA	08	13,0	1/2"	12	3/4-14	36,1	32,0
1201085	H1210510-100800	NA	10	16,0	5/8"	08	1/2-14	32,1	27,0
1200419	H1210510-101000	NA	10	16,0	5/8"	10	5/8-14	34,1	30,0
1200418	H1210510-101200	NA	10	16,0	5/8"	12	3/4-14	36,1	32,0
1200446	H1210510-121200	NA	12	19,0	3/4"	12	3/4-14	36,6	32,0
1201095	H1210510-121600	NA	12	19,0	3/4"	16	1-11	41,6	41,0
1201355	H1210510-161600	NA	16	25,0	1"	16	1-11	42,4	41,0
1201356	H1210510-162000	NA	16	25,0	1"	20	1 1/4-11	46,4	50,0
1201357	H1210510-202000	NA	20	32,0	1 1/4"	20	1 1/4-11	48,0	50,0
1201358	H1210510-242400	NA	24	38,0	1 1/2"	24	1 1/2-11	51,0	55,0
1201359	H1210510-323200	NA	32	51,0	2"	32	2-11	56,5	70,0

// H1210610

**BSP Male Flat Seat
AGR FD**

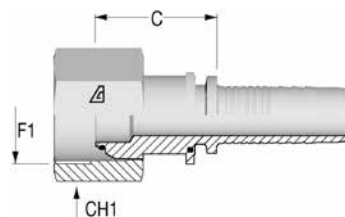


Item Code	Part Number	Nut Type	ID			F1		C	CH
			Dash	mm	in	Dash Size	F1		
1214181	H1210610-040400	NA	04	6,0	1/4"	04	1/4-19	26,3	19,0
1223423	H1210610-060600	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1216596	H1210610-060800	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1225012	H1210610-080800	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0

Dimensions shown may be changed without prior notice

// H1220813

**BSPF Female 60° Cone with O-Ring
DKOR**

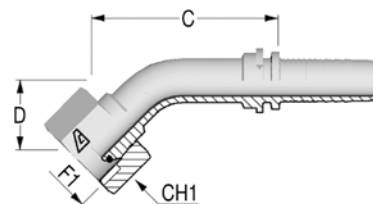


Item Code	Part Number	Nut Type	ID			F1		F1	C	CH1
			Dash	mm	in	Dash Size	F1			
1202325	H1220813-030400	SN	03	5,0	3/16"	04	1/4-19	20,3	19,0	
1202326	H1220813-040400	SN	04	6,0	1/4"	04	1/4-19	20,8	19,0	
1202328	H1220811-050400	CR	05	8,0	5/16"	04	1/4-19	17,3	19,0	
1202329	H1220813-050600	SN	05	8,0	5/16"	06	3/8-19	23,3	22,0	
1202331	H1220813-060600	SN	06	10,0	3/8"	06	3/8-19	23,3	22,0	
1202333	H1220813-080800	SN	08	13,0	1/2"	08	1/2-14	25,1	27,0	
1202457	H1220811-101000	CR	10	16,0	5/8"	10	5/8-14	17,1	27,0	
1202462	H1220811-121200	CR	12	19,0	3/4"	12	3/4-14	23,9	32,0	
1202455	H1220811-161600	CR	16	25,0	1"	16	1-11	23,9	38,0	
1202458	H1220812-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	32,0	50,0	
1202463	H1220812-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	33,8	55,0	
1202014	H1220812-323200	TN	32	51,0	2"	32	2-11	34,0	70,0	

1200606 and 1201066: WITHOUT OR

// H1220843

**45° BSPF Female 60° Cone with O-Ring
DKOR 45
Solid one piece**



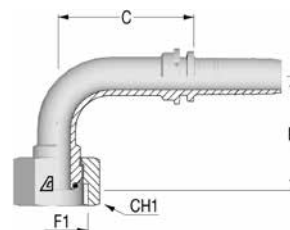
Item Code	Part Number	Nut Type	ID			F1		C	D Drop	CH1
			Dash	mm	in	Dash Size	F1			
1202341	H1220843-040400	SN	04	6,0	1/4"	04	1/4-19	45,5	15,0	19,0
1214200	H1220841-050400	CR	05	8,0	5/16"	04	1/4-19	19,0	17,5	19,0
1202343	H1220843-050600	SN	05	8,0	5/16"	06	3/8-19	45,1	18,5	22,0
1202344	H1220843-060600	SN	06	10,0	3/8"	06	3/8-19	49,9	20,5	22,0
1202346	H1220843-080800	SN	08	13,0	1/2"	08	1/2-14	55,0	21,0	27,0
1202464	H1220841-101000	CR	10	16,0	5/8"	10	5/8-14	64,0	21,5	27,0
1202465	H1220841-121200	CR	12	19,0	3/4"	12	3/4-14	70,0	28,0	32,0
1202466	H1220841-161600	CR	16	25,0	1"	16	1-11	84,0	34,0	38,0
1202467	H1220842-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	100,8	40,0	50,0
1202468	H1220842-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	115,7	46,0	55,0
1202469	H1220842-323200	TN	32	51,0	2"	32	2-11	151,5	60,0	70,0

// H1220893

90° BSPP Female 60° Cone with O-Ring

DKOR 90

Solid one piece



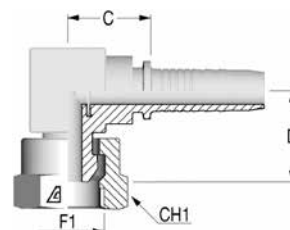
Item Code	Part Number	Nut Type	ID			F1		F1	C	D Drop	CH1
			Dash	mm	in	Dash Size	mm				
1200607	H1220591-030200	CR	03	5,0	3/16"	02	1/8-28	24,0	30,0	14,0	
1201707	H1220591-040200	CR	04	6,0	1/4"	02	1/8-28	30,5	32,0	14,0	
1202367	H1220893-040400	SN	04	6,0	1/4"	04	1/4-19	29,3	29,0	19,0	
1202353	H1220893-040600	SN	04	6,0	1/4"	06	3/8-19	29,8	31,0	22,0	
1202354	H1220893-050600	SN	05	8,0	5/16"	06	3/8-19	33,2	36,0	22,0	
1202355	H1220893-060600	SN	06	10,0	3/8"	06	3/8-19	34,8	42,0	22,0	
1202356	H1220893-060800	SN	06	10,0	3/8"	08	1/2-14	34,3	35,5	27,0	
1202881	H1220891-080600	CR	08	13,0	1/2"	06	3/8-19	35,3	43,0	22,0	
1202357	H1220893-080800	SN	08	13,0	1/2"	08	1/2-14	35,8	41,0	27,0	
1202358	H1220893-081000	SN	08	13,0	1/2"	10	5/8-14	41,6	43,5	27,0	
1202359	H1220893-081200	SN	08	13,0	1/2"	12	3/4-14	41,8	43,0	32,0	
1202470	H1220891-101000	CR	10	16,0	5/8"	10	5/8-14	47,9	47,0	27,0	
1202360	H1220893-101200	SN	10	16,0	5/8"	12	3/4-14	51,9	49,0	32,0	
1202471	H1220891-121200	CR	12	19,0	3/4"	12	3/4-14	49,1	53,0	32,0	
1202361	H1220893-121600	SN	12	19,0	3/4"	16	1-11	54,1	60,5	38,0	
1202475	H1220891-161600	CR	16	25,0	1"	16	1-11	75,1	69,0	38,0	
1202362	H1220893-162000	SN	16	25,0	1"	20	1 1/4-11	75,1	88,5	50,0	
1202472	H1220892-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	82,3	83,0	50,0	
1202363	H1220893-202400	SN	20	32,0	1 1/4"	24	1 1/2-11	101,0	83,0	55,0	
1202456	H1220892-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	95,7	96,0	55,0	
1202364	H1220893-243200	SN	24	38,0	1 1/2"	32	2-11	107,8	104,0	70,0	
1202473	H1220892-323200	TN	32	51,0	2"	32	2-11	128,5	136,0	70,0	

1200607: WITHOUT OR

// H1220581

90° Compact BSPP Female 60° Cone

DKR 90

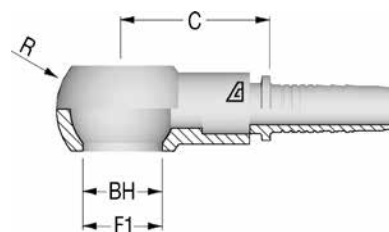


Item Code	Part Number	Nut Type	ID			F1		F1	C	D Drop	CH1
			Dash	mm	in	Dash Size	mm				
1202422	H1220581-040400	CR	04	6,0	1/4"	04	1/4-19	16,8	19,5	19,0	
1202025	H1220581-060600	CR	06	10,0	3/8"	06	3/8-19	18,8	22,0	22,0	
1202026	H1220581-060800	CR	06	10,0	3/8"	08	1/2-14	21,5	22,5	27,0	
1202027	H1220581-080800	CR	08	13,0	1/2"	08	1/2-14	22,6	24,5	27,0	
1203213	H1220581-121200	CR	12	19,0	3/4"	12	3/4-14	26,7	31,0	32,0	
1203330	H1220581-161600	CR	16	25,0	1"	16	1-11	34,5	27,5	38,0	

Dimensions shown may be changed without prior notice

// H1230310

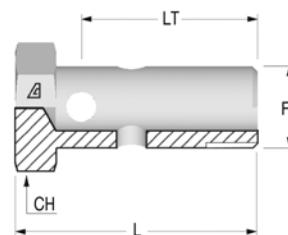
**BSP Banjo
RNR**



Item Code	Part Number	ID			F1	C	BH	R
		Dash	mm	in				
1203087	H1230310-040200	04	6,0	1/4"	1/8-28	20,0	10,10	17
1203086	H1230310-040400	04	6,0	1/4"	1/4-19	26,5	13,30	22
1216840	H1230310-040600	04	6,0	1/4"	3/8-19	30,5	16,70	28
1201763	H1230310-050600	05	8,0	5/16"	3/8-19	30,5	16,70	28
1201760	H1230310-060600	06	10,0	3/8"	3/8-19	30,5	16,70	28
1201754	H1230310-060800	06	10,0	3/8"	1/2-14	34,5	21,00	38
1216843	H1230310-080600	08	13,0	1/2"	3/8-19	30,5	16,70	28
1203048	H1230310-080800	08	13,0	1/2"	1/2-14	35,0	21,00	38
1203085	H1230310-101000	10	16,0	5/8"	5/8-14	38,0	23,00	40
1200423	H1230310-121200	12	19,0	3/4"	3/4-14	41,5	26,50	46
1203084	H1230310-161600	16	25,0	1"	1-11	50,5	33,30	58

// H10V0210

BSP Bolt

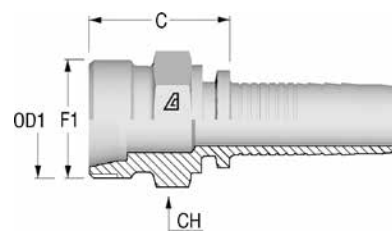


Item Code	Part Number	ID	F1	LT	L	CH
		Dash		mm	mm	mm
1210366	H10V0210-040000	04	1/4-19	25,0	30,0	19,0
1210367	H10V0210-060000	06	3/8-19	31,0	38,0	22,0
1210365	H10V0210-080000	08	1/2-14	38,0	46,0	27,0
1210404	H10V0210-100000	10	5/8-14	42,0	51,0	28,0
1210403	H10V0210-120000	12	3/4-14	47,0	56,0	32,0
1210402	H10V0210-160000	16	1-11	58,0	69,0	38,0

// DIN METRIC INSERTS

// H1211110

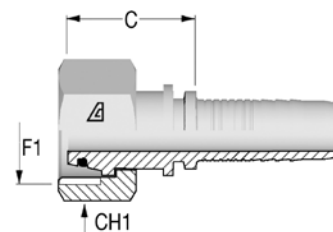
**Metric Male 24° Seat - Light
DIN 3853 - CEL**



Item Code	Part Number	Nut Type	ID		F1	OD1	C	CH	
			Dash	mm					in
1200451	H1211110-031200	NA	03	5,0	3/16"	M12X1.5	6	20,8	14,0
1200481	H1211110-041200	NA	04	6,0	1/4"	M12X1.5	6	21,3	14,0
1200482	H1211110-041400	NA	04	6,0	1/4"	M14X1.5	8	21,3	14,0
1201558	H1211110-041600	NA	04	6,0	1/4"	M16X1.5	10	23,3	17,0
1200518	H1211110-051600	NA	05	8,0	5/16"	M16X1.5	10	23,3	17,0
1201086	H1211110-051800	NA	05	8,0	5/16"	M18X1.5	12	24,3	19,0
1200314	H1211110-061600	NA	06	10,0	3/8"	M16X1.5	10	23,3	17,0
1200315	H1211110-061800	NA	06	10,0	3/8"	M18X1.5	12	24,3	19,0
1200320	H1211110-062200	NA	06	10,0	3/8"	M22X1.5	15	25,3	22,0
1202565	H1211110-081800	NA	08	13,0	1/2"	M18X1.5	12	25,1	19,0
1200358	H1211110-082200	NA	08	13,0	1/2"	M22X1.5	15	26,1	22,0
1200362	H1211110-082600	NA	08	13,0	1/2"	M26X1.5	18	27,1	27,0
1200401	H1211110-102600	NA	10	16,0	5/8"	M26X1.5	18	27,1	27,0
1200432	H1211110-123000	NA	12	19,0	3/4"	M30X2	22	31,6	32,0
1201372	H1211110-163600	NA	16	25,0	1"	M36X2	28	34,4	36,0
1201373	H1211110-204500	NA	20	32,0	1 1/4"	M45X2	35	40,0	46,0
1201374	H1211110-245200	NA	24	38,0	1 1/2"	M52X2	42	42,0	55,0

// H1221513

**Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL**

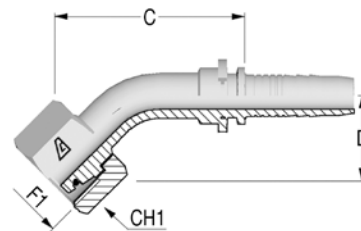


Item Code	Part Number	Nut Type	ID		F1	OD1	C	CH1	
			Dash	mm					in
1200595	H1221513-031200	SN	03	5,0	3/16"	M12X1.5	6	23,9	14,0
1240278	H1221513-041400	TN	04	6,0	1/4"	M14X1.5	6	22,9	17,0
1200609	H1221513-041600	SN	04	6,0	1/4"	M16X1.5	10	25,4	19,0
1238160	H1221513-051400	TN	05	8,0	5/16"	M14X1.5	8	47,7	17,0
1240279	H1221513-051600	TN	05	8,0	5/16"	M16X1.5	10	23,2	19,0
1238161	H1221513-061600	TN	06	10,0	3/8"	M16X1.5	10	25,4	19,0
1200667	H1221513-061800	SN	06	10,0	3/8"	M18X1.5	12	25,4	22,0
1238162	H1221513-081800	TN	08	13,0	1/2"	M18X1.5	12	24,0	22,0
1240280	H1221513-082200	TN	08	13,0	1/2"	M22X1.5	15	25,3	27,0
1240281	H1221513-102600	TN	10	16,0	5/8"	M26X1.5	18	25,0	32,0
1200762	H1221513-123000	SN	12	19,0	3/4"	M30X2	22	31,7	36,0
1201593	H1221513-163000	TN	16	25,0	1"	M30X2	22	44,6	36,0
1201385	H1221513-163600	SN	16	25,0	1"	M36X2	28	33,6	41,0
1201386	H1221513-204500	SN	20	32,0	1 1/4"	M45X2	35	40,1	50,0
1201387	H1221513-245200	SN	24	38,0	1 1/2"	M52X2	42	40,5	60,0

Dimensions shown may be changed without prior notice

// H1221543

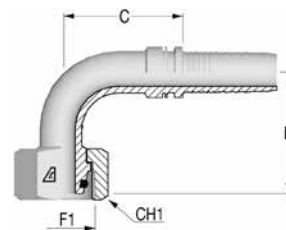
**45° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 45
Solid one piece**



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in					
1200594	H1221543-031200	SN	03	5,0	3/16"	M12X1.5	6	44,9	19,0	14,0
1216676	H1221541-041200	CR	04	6,0	1/4"	M12X1.5	6	45,2	15,5	14,0
1200612	H1221543-041400	SN	04	6,0	1/4"	M14X1.5	8	43,0	17,5	17,0
1201576	H1221543-041600	SN	04	6,0	1/4"	M16X1.5	10	42,0	20,0	19,0
1200645	H1221543-051600	SN	05	8,0	5/16"	M16X1.5	10	47,5	20,0	19,0
1200646	H1221543-051800	SN	05	8,0	5/16"	M18X1.5	12	47,0	22,0	22,0
1200671	H1221543-061800	SN	06	10,0	3/8"	M18X1.5	12	46,8	19,5	22,0
1239971	H1221542-081800	TN	08	13,0	1/2"	M18X1.5	12	52,0	23,0	22,0
1200711	H1221543-082200	SN	08	13,0	1/2"	M22X1.5	15	55,0	21,0	27,0
1200738	H1221543-102600	SN	10	16,0	5/8"	M26X1.5	18	65,3	24,0	32,0
1200764	H1221543-123000	SN	12	19,0	3/4"	M30X2	22	69,4	32,0	36,0
1201390	H1221543-163600	SN	16	25,0	1"	M36X2	28	91,4	32,0	41,0
1201392	H1221543-204500	SN	20	32,0	1 1/4"	M45X2	35	100,0	45,0	50,0
1202128	H1221543-245200	SN	24	38,0	1 1/2"	M52X2	42	114,1	47,0	60,0

// H1221593

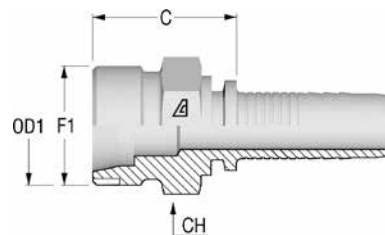
**90° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 90
Solid one piece**



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in					
1200597	H1221593-031200	SN	03	5,0	3/16"	M12X1.5	6	23,6	33,0	14,0
1239994	H1221592-041200	TN	04	6,0	1/4"	M12X1.5	6	29,0	34,0	14,0
1200618	H1221593-041400	SN	04	6,0	1/4"	M14X1.5	8	28,3	32,5	17,0
1200616	H1221593-041600	SN	04	6,0	1/4"	M16X1.5	10	28,3	32,5	19,0
1200648	H1221593-051600	SN	05	8,0	5/16"	M16X1.5	10	33,7	38,0	19,0
1200676	H1221593-061800	SN	06	10,0	3/8"	M18X1.5	12	32,8	39,0	22,0
1238173	H1221592-081800	TN	08	13,0	1/2"	M18X1.5	12	42,0	44,0	22,0
1200713	H1221593-082200	SN	08	13,0	1/2"	M22X1.5	15	39,8	40,5	27,0
1200740	H1221593-102600	SN	10	16,0	5/8"	M26X1.5	18	51,4	48,0	32,0
1200767	H1221593-123000	SN	12	19,0	3/4"	M30X2	22	52,1	59,0	36,0
1201391	H1221593-163600	SN	16	25,0	1"	M36X2	28	75,0	68,0	41,0
1201393	H1221593-204500	SN	20	32,0	1 1/4"	M45X2	35	90,5	89,0	50,0
1201394	H1221593-245200	SN	24	38,0	1 1/2"	M52X2	42	106,5	100,0	60,0

// H1211210

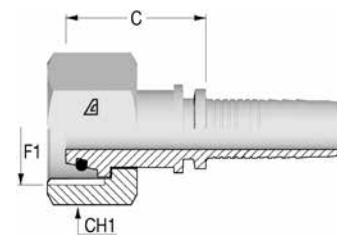
**Metric Male 24° Seat - Heavy
DIN 3853 - CES**



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in				
1201828	H1211210-041400	NA	04	6,0	1/4"	M14X1.5	6	24,3	17,0
1200485	H1211210-041600	NA	04	6,0	1/4"	M16X1.5	8	24,3	17,0
1200477	H1211210-041800	NA	04	6,0	1/4"	M18X1.5	10	25,3	19,0
1200521	H1211210-052000	NA	05	8,0	5/16"	M20X1.5	12	25,3	22,0
1202267	H1211210-061800	NA	06	10,0	3/8"	M18X1.5	10	25,3	19,0
1200316	H1211210-062000	NA	06	10,0	3/8"	M20X1.5	12	25,3	22,0
1200319	H1211210-062200	NA	06	10,0	3/8"	M22X1.5	14	27,3	22,0
1221728	H1211210-062400	NA	06	10,0	3/8"	M24X1.5	16	28,1	24,0
1202564	H1211210-082200	NA	08	13,0	1/2"	M22X1.5	14	28,1	22,0
1200360	H1211210-082400	NA	08	13,0	1/2"	M24X1.5	16	29,1	24,0
1200364	H1211210-083000	NA	08	13,0	1/2"	M30X2	20	33,1	32,0
1200403	H1211210-103000	NA	10	16,0	5/8"	M30X2	20	33,1	32,0
1202526	H1211210-123000	NA	12	19,0	3/4"	M30X2	20	33,6	32,0
1200434	H1211210-123600	NA	12	19,0	3/4"	M36X2	25	37,6	36,0
1203151	H1211210-163600	NA	16	25,0	1"	M36X2	25	38,4	36,0
1201375	H1211210-164200	NA	16	25,0	1"	M42X2	30	42,4	46,0
1201376	H1211210-205200	NA	20	32,0	1 1/4"	M52X2	38	48,0	55,0

// H1221613

**Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS**

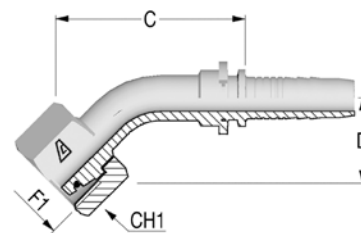


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in				
1200596	H1221613-031600	SN	03	5,0	3/16"	M16X1.5	8	27,2	19,0
1200615	H1221613-041600	SN	04	6,0	1/4"	M16X1.5	8	27,7	19,0
1200610	H1221613-041800	SN	04	6,0	1/4"	M18X1.5	10	27,6	22,0
1201832	H1221613-051800	SN	05	8,0	5/16"	M18X1.5	10	27,6	22,0
1200644	H1221613-052000	SN	05	8,0	5/16"	M20X1.5	12	27,6	24,0
1200668	H1221613-062000	SN	06	10,0	3/8"	M20X1.5	12	27,6	24,0
1200669	H1221613-062200	SN	06	10,0	3/8"	M22X1.5	14	31,1	27,0
1202570	H1221613-062400	SN	06	10,0	3/8"	M24X1.5	16	30,9	30,0
1200708	H1221613-082400	SN	08	13,0	1/2"	M24X1.5	16	31,7	30,0
1200710	H1221613-083000	SN	08	13,0	1/2"	M30X2	20	36,5	36,0
1239651	H1221612-10240Z	TN	10	16,0	5/8"	M24X1.5	16	25,3	30,0
1200737	H1221613-103000	SN	10	16,0	5/8"	M30X2	20	36,5	36,0
1201732	H1221613-123000	SN	12	19,0	3/4"	M30X2	20	37,0	36,0
1216696	H122161Z-123600	SN	12	19,0	3/4"	M36X2	25	40,2	41,0
1200763	H1221613-123600	SN	12	19,0	3/4"	M36X2	25	40,2	46,0
1239744	H1221612-163000	TN	16	25,0	1"	M30X2	20	29,8	36,0
1203099	H1221613-163600	SN	16	25,0	1"	M36X2	25	41,0	46,0
1201388	H1221613-164200	SN	16	25,0	1"	M42X2	30	43,1	50,0
1201389	H1221613-205200	SN	20	32,0	1 1/4"	M52X2	38	48,1	60,0
1216695	H1221613-245200	SN	24	38,0	1 1/2"	M52X2	38	48,1	60,0

Dimensions shown may be changed without prior notice

// H1221643

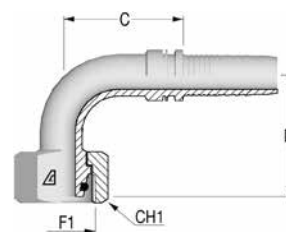
**45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece**



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in					
1200613	H1221643-041600	SN	04	6,0	1/4"	M16X1.5	8	48,6	16,0	19,0
1200611	H1221643-041800	SN	04	6,0	1/4"	M18X1.5	10	43,5	19,0	22,0
1200647	H1221643-052000	SN	05	8,0	5/16"	M20X1.5	12	48,1	21,0	24,0
1200672	H1221643-062000	SN	06	10,0	3/8"	M20X1.5	12	50,6	20,0	24,0
1200673	H1221643-062200	SN	06	10,0	3/8"	M22X1.5	14	52,9	21,0	27,0
1200712	H1221643-082400	SN	08	13,0	1/2"	M24X1.5	16	55,8	21,5	30,0
1201300	H1221643-103000	SN	10	16,0	5/8"	M30X2	20	66,3	30,0	36,0
1202891	H1221643-123000	SN	12	19,0	3/4"	M30X2	20	66,1	29,0	36,0
1200765	H1221643-123600	SN	12	19,0	3/4"	M36X2	25	69,5	33,0	46,0
1203098	H1221643-163600	SN	16	25,0	1"	M36X2	25	89,7	36,0	46,0
1201395	H1221643-164200	SN	16	25,0	1"	M42X2	30	110,3	40,5	50,0
1201398	H1221643-205200	SN	20	32,0	1 1/4"	M52X2	38	109,0	45,0	60,0

// H1221693

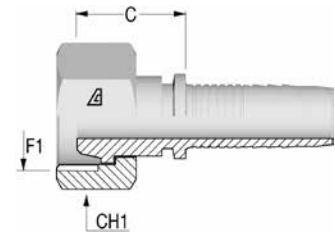
**90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece**



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in					
1200619	H1221693-041600	SN	04	6,0	1/4"	M16X1.5	8	27,3	33,0	19,0
1200617	H1221693-041800	SN	04	6,0	1/4"	M18X1.5	10	26,8	34,0	22,0
1200650	H1221693-052000	SN	05	8,0	5/16"	M20X1.5	12	33,2	39,0	24,0
1200677	H1221693-062000	SN	06	10,0	3/8"	M20X1.5	12	34,3	38,5	24,0
1200678	H1221693-062200	SN	06	10,0	3/8"	M22X1.5	14	34,3	40,5	27,0
1200714	H1221693-082400	SN	08	13,0	1/2"	M24X1.5	16	39,8	41,5	30,0
1200741	H1221693-103000	SN	10	16,0	5/8"	M30X2	20	47,9	55,0	36,0
1200766	H1221693-123000	SN	12	19,0	3/4"	M30X2	20	50,6	58,0	36,0
1200768	H1221693-123600	SN	12	19,0	3/4"	M36X2	25	50,6	59,5	46,0
1203097	H1221693-163600	SN	16	25,0	1"	M36X2	25	77,6	73,5	46,0
1201396	H1221693-164200	SN	16	25,0	1"	M42X2	30	75,6	79,0	50,0
1201397	H1221693-205200	SN	20	32,0	1 1/4"	M52X2	38	94,0	92,0	60,0

// H1221013

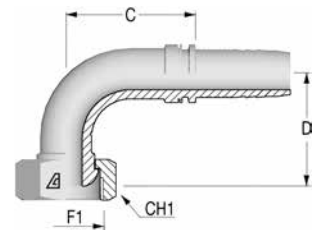
Metric Female 60° Cone - DIN 3863



Item Code	Part Number	Nut Type	ID			F1		F1	C	CH1
			Dash	mm	in	Dash Size				
1200759	H1221013-123000	SN	12	19,0	3/4"	30	M30X1.5	21,6	36,0	
1201572	H1221013-163800	SN	16	25,0	1"	38	M38X1.5	28,0	46,0	

// H1221093

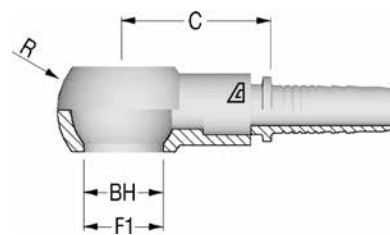
**90° Metric Female 60° Cone - DIN 3863
Solid one piece**



Item Code	Part Number	Nut Type	ID			F1		F1	C	D Drop	CH1
			Dash	mm	in	Dash Size					
1202056	H1221093-123000	SN	12	19,0	3/4"	30	M30X1.5	54,6	47,0	36,0	
1201620	H1221093-163800	SN	16	25,0	1"	38	M38X1.5	72,6	60,0	46,0	

Dimensions shown may be changed without prior notice

// H1230910

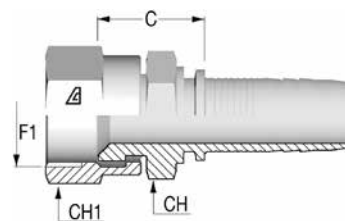
**Metric Banjo
RNM**

Item Code	Part Number	ID			F1	C	BH	R
		Dash	mm	in				
1202577	H1230910-031000	03	5,0	3/16"	M10X1.0	24,0	10,00	17
1200468	H1230910-041000	04	6,0	1/4"	M10X1.0	25,0	10,00	17
1200469	H1230910-041200	04	6,0	1/4"	M12X1.5	28,5	12,00	20
1200470	H1230910-041400	04	6,0	1/4"	M14X1.5	27,5	14,00	24
1200513	H1230910-051200	05	8,0	5/16"	M12X1.5	28,5	12,00	24
1200514	H1230910-051400	05	8,0	5/16"	M14X1.5	27,5	14,00	24
1200515	H1230910-051600	05	8,0	5/16"	M16X1.5	30,5	16,00	28
1200516	H1230910-051800	05	8,0	5/16"	M18X1.5	28,5	18,00	32
1200309	H1230910-061400	06	10,0	3/8"	M14X1.5	27,5	14,00	24
1200310	H1230910-061600	06	10,0	3/8"	M16X1.5	30,5	16,00	28
1200311	H1230910-061800	06	10,0	3/8"	M18X1.5	31,5	18,00	32
1200346	H1230910-081800	08	13,0	1/2"	M18X1.5	32,0	18,00	32
1200347	H1230910-082200	08	13,0	1/2"	M22X1.5	35,0	22,00	39
1200389	H1230910-102200	10	16,0	5/8"	M22X1.5	35,0	22,00	39
1200422	H1230910-122600	12	19,0	3/4"	M26X1.5	38,5	26,00	46
1203083	H1230910-163000	16	25,0	1"	M30X1.5	42,5	30,00	54

// SAE INSERTS

// H1226611

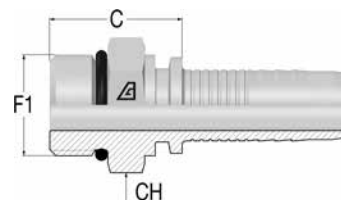
SAE Female Swivel 45° Seat



Item Code	Part Number	Nut Type	ID			F1		F1	C	CH	CH1
			Dash	mm	in	Dash Size	Dash Size				
1202661	H1226611-060600	CR	06	10,0	3/8"	06	5/8-18	23,3	19,0	22,0	
1226098	H1226611-081000	CR	08	13,0	1/2"	10	7/8-14	26,6	22,0	27,0	
1202371	H1226611-121200	CR	12	19,0	3/4"	12	1 1/16-14	28,6	27,0	32,0	

// H1213010

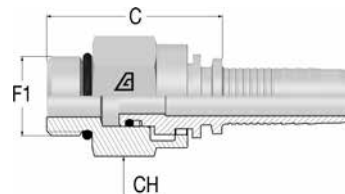
SAE Male Solid O-Ring Boss



Item Code	Part Number	Nut Type	ID			F1		F1	C	CH
			Dash	mm	in	Dash Size	Dash Size			
1203147	H1213010-040400	NA	04	6,0	1/4"	04	7/16-20	20,3	14,0	
1201833	H1213010-040500	NA	04	6,0	1/4"	05	1/2-20	21,3	16,0	
1202519	H1213010-040600	NA	04	6,0	1/4"	06	9/16-18	22,3	17,0	
1201834	H1213010-060600	NA	06	10,0	3/8"	06	9/16-18	23,3	19,0	
1200337	H1213010-060800	NA	06	10,0	3/8"	08	3/4-16	24,3	22,0	
1200338	H1213010-061000	NA	06	10,0	3/8"	10	7/8-14	26,8	27,0	
1200382	H1213010-080800	NA	08	13,0	1/2"	08	3/4-16	25,1	22,0	
1200383	H1213010-081000	NA	08	13,0	1/2"	10	7/8-14	27,6	27,0	
1200381	H1213010-081200	NA	08	13,0	1/2"	12	1 1/16-12	32,1	32,0	
1221652	H1213010-101000	NA	10	16,0	5/8"	10	7/8-14	27,6	24,0	
1203146	H1213010-121000	NA	12	19,0	3/4"	10	7/8-14	28,1	27,0	
1200445	H1213010-121200	NA	12	19,0	3/4"	12	1 1/16-12	32,6	32,0	
1201836	H1213010-161600	NA	16	25,0	1"	16	1 5/16-12	35,4	38,0	

// H1213011

SAE Male Swivel O-Ring Boss

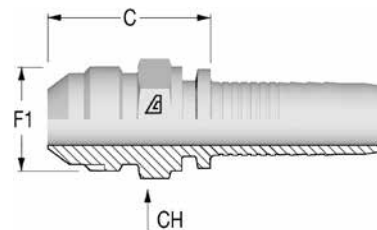


Item Code	Part Number	Nut Type	ID			F1		F1	C	CH
			Dash	mm	in	Dash Size	Dash Size			
1225927	H1213011-060600	CR	06	10,0	3/8"	06	9/16-18	40,5	22,0	
1225928	H1213011-060800	CR	06	10,0	3/8"	08	3/4-16	22,0	22,0	
1225929	H1213011-080800	CR	08	13,0	1/2"	08	3/4-16	23,0	25,0	
1225930	H1213011-081000	CR	08	13,0	1/2"	10	7/8-14	23,0	25,0	
1230553	H1213011-121200	CR	12	19,0	3/4"	12	1 1/16-12	49,6	32,0	

Dimensions shown may be changed without prior notice

// JIC 37° INSERTS

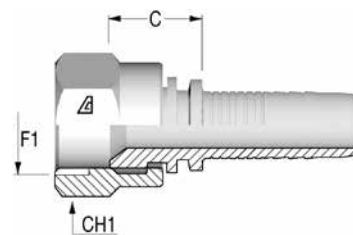
// H1212510

**JIC Male 37° Cone
AGJ**

Item Code	Part Number	Nut Type	ID			F1		C	CH
			Dash	mm	in	Dash Size	F1		
1200457	H1212510-030400	NA	03	5,0	3/16"	04	7/16-20	23,8	12,0
1200500	H1212510-040400	NA	04	6,0	1/4"	04	7/16-20	25,3	12,0
1200499	H1212510-040500	NA	04	6,0	1/4"	05	1/2-20	25,3	14,0
1200501	H1212510-040600	NA	04	6,0	1/4"	06	9/16-18	26,3	17,0
1200534	H1212510-050500	NA	05	8,0	5/16"	05	1/2-20	25,3	14,0
1200535	H1212510-050600	NA	05	8,0	5/16"	06	9/16-18	26,3	17,0
1201087	H1212510-050800	NA	05	8,0	5/16"	08	3/4-16	29,8	19,0
1200332	H1212510-060600	NA	06	10,0	3/8"	06	9/16-18	26,3	17,0
1200330	H1212510-060800	NA	06	10,0	3/8"	08	3/4-16	29,8	19,0
1200331	H1212510-061000	NA	06	10,0	3/8"	10	7/8-14	33,8	24,0
1200375	H1212510-080800	NA	08	13,0	1/2"	08	3/4-16	30,6	19,0
1200376	H1212510-081000	NA	08	13,0	1/2"	10	7/8-14	34,6	24,0
1200374	H1212510-081200	NA	08	13,0	1/2"	12	1 1/16-12	37,1	27,0
1200413	H1212510-101000	NA	10	16,0	5/8"	10	7/8-14	34,6	24,0
1200411	H1212510-101200	NA	10	16,0	5/8"	12	1 1/16-12	37,1	27,0
1200441	H1212510-121200	NA	12	19,0	3/4"	12	1 1/16-12	37,6	27,0
1200442	H1212510-121400	NA	12	19,0	3/4"	14	1 3/16-12	40,1	32,0
1200443	H1212510-121600	NA	12	19,0	3/4"	16	1 5/16-12	42,6	36,0
1222989	H1212510-161200	NA	16	25,0	1"	12	1 1/16-12	40,4	32,0
1201379	H1212510-161600	NA	16	25,0	1"	16	1 5/16-12	43,4	36,0
1201380	H1212510-162000	NA	16	25,0	1"	20	1 5/8-12	46,9	46,0
1201381	H1212510-202000	NA	20	32,0	1 1/4"	20	1 5/8-12	48,5	46,0
1201785	H1212510-202400	NA	20	32,0	1 1/4"	24	1 7/8-12	52,5	50,0
1201382	H1212510-242400	NA	24	38,0	1 1/2"	24	1 7/8-12	52,5	50,0
1201383	H1212510-323200	NA	32	51,0	2"	32	2 1/2-12	62,0	65,0

// H1222511

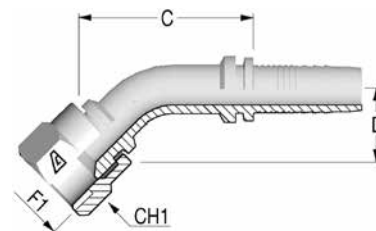
**JIC Female 37° Seat
DKJ**



Item Code	Part Number	Nut Type	ID			F1		F1	C	CH1
			Dash	mm	in	Dash Size				
1200600	H1222511-030400	CR	03	5,0	3/16"	04	7/16-20	14,3	16,0	
1200625	H1222511-040400	CR	04	6,0	1/4"	04	7/16-20	14,6	16,0	
1200623	H1222511-040500	CR	04	6,0	1/4"	05	1/2-20	15,3	17,0	
1200655	H1222511-050500	CR	05	8,0	5/16"	05	1/2-20	15,3	17,0	
1200656	H1222511-050600	CR	05	8,0	5/16"	06	9/16-18	15,3	19,0	
1200691	H1222511-060600	CR	06	10,0	3/8"	06	9/16-18	15,3	19,0	
1200687	H1222511-060800	CR	06	10,0	3/8"	08	3/4-16	17,8	25,0	
1200723	H1222511-080800	CR	08	13,0	1/2"	08	3/4-16	18,6	25,0	
1200725	H1222511-081000	CR	08	13,0	1/2"	10	7/8-14	19,6	27,0	
1200751	H1222511-101000	CR	10	16,0	5/8"	10	7/8-14	19,6	27,0	
1200749	H1222511-101200	CR	10	16,0	5/8"	12	1 1/16-12	20,1	32,0	
1201841	H1222511-121000	CR	12	19,0	3/4"	10	7/8-14	20,1	27,0	
1200774	H1222511-121200	CR	12	19,0	3/4"	12	1 1/16-12	20,6	32,0	
1200776	H1222511-121600	CR	12	19,0	3/4"	16	1 5/16-12	22,1	38,0	
1201399	H1222511-161200	CR	16	25,0	1"	12	1 1/16-12	22,4	32,0	
1201400	H1222511-161600	CR	16	25,0	1"	16	1 5/16-12	23,9	38,0	
1201401	H1222512-162000	TN	16	25,0	1"	20	1 5/8-12	26,5	50,0	
1201402	H1222512-202000	TN	20	32,0	1 1/4"	20	1 5/8-12	28,1	50,0	
1201097	H1222512-242400	TN	24	38,0	1 1/2"	24	1 7/8-12	29,4	55,0	
1201404	H1222512-323200	TN	32	51,0	2"	32	2 1/2-12	32,0	-	

// H1222541-M

**45° JIC Female 37° Seat - Medium Drop
DKJ 45M
Solid one piece**



Item Code	Part Number	Nut Type	ID			F1		C	D Drop	CH1
			Dash	mm	in	Dash Size	F1			
1202821	H1222541-03040M	CR	03	5,0	3/16"	04	7/16-20	37,1	10,0	16,0
1202822	H1222541-04040M	CR	04	6,0	1/4"	04	7/16-20	36,6	10,0	16,0
1202823	H1222541-04050M	CR	04	6,0	1/4"	05	1/2-20	37,2	12,0	17,0
1202824	H1222541-04060M	CR	04	6,0	1/4"	06	9/16-18	39,4	11,0	19,0
1202825	H1222541-05050M	CR	05	8,0	5/16"	05	1/2-20	39,8	12,0	17,0
1202826	H1222541-05060M	CR	05	8,0	5/16"	06	9/16-18	42,8	12,0	19,0
1202827	H1222541-06060M	CR	06	10,0	3/8"	06	9/16-18	46,3	11,0	19,0
1202791	H1222541-06080M	CR	06	10,0	3/8"	08	3/4-16	47,2	15,0	25,0
1202828	H1222541-08080M	CR	08	13,0	1/2"	08	3/4-16	51,6	15,0	25,0
1202829	H1222541-08100M	CR	08	13,0	1/2"	10	7/8-14	50,7	16,0	27,0
1202832	H1222541-10100M	CR	10	16,0	5/8"	10	7/8-14	62,2	19,0	27,0
1202831	H1222541-10120M	CR	10	16,0	5/8"	12	1 1/16-12	68,6	21,0	32,0
1202833	H1222541-12120M	CR	12	19,0	3/4"	12	1 1/16-12	67,5	21,0	32,0
1200778	H1222541-121400	CR	12	19,0	3/4"	14	1 3/16-12	67,6	23,0	36,0
1202834	H1222541-12160M	CR	12	19,0	3/4"	16	1 5/16-12	71,4	26,0	38,0
1202835	H1222541-16160M	CR	16	25,0	1"	16	1 5/16-12	79,4	24,0	38,0
1202836	H1222542-16200M	TN	16	25,0	1"	20	1 5/8-12	83,8	37,0	50,0
1202837	H1222542-20200M	TN	20	32,0	1 1/4"	20	1 5/8-12	97,1	37,0	50,0
1202839	H1222542-24240M	TN	24	38,0	1 1/2"	24	1 7/8-12	112,7	43,0	55,0
1202840	H1222542-32320M	TN	32	51,0	2"	32	2 1/2-12	159,9	67,0	70,0

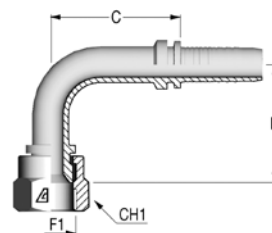
Dimensions shown may be changed without prior notice

// H1222591-M

90° JIC Female 37° Seat - Medium Drop

DKJ 90M

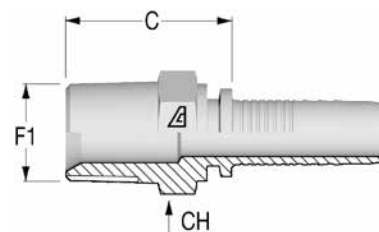
Solid one piece



Item Code	Part Number	Nut Type	ID			F1		C	D Drop	CH1
			Dash	mm	in	Dash Size	F1			
1202792	H1222591-03040M	CR	03	5,0	3/16"	04	7/16-20	33,5	32,0	16,0
1202739	H1222591-04040M	CR	04	6,0	1/4"	04	7/16-20	34,2	32,0	16,0
1202740	H1222591-04050M	CR	04	6,0	1/4"	05	1/2-20	25,7	30,0	17,0
1202793	H1222591-04060M	CR	04	6,0	1/4"	06	9/16-18	28,5	38,0	19,0
1202794	H1222591-05050M	CR	05	8,0	5/16"	05	1/2-20	34,2	32,0	17,0
1202731	H1222591-05060M	CR	05	8,0	5/16"	06	9/16-18	33,2	35,0	19,0
1202742	H1222591-06060M	CR	06	10,0	3/8"	06	9/16-18	31,3	35,0	19,0
1202732	H1222591-06080M	CR	06	10,0	3/8"	08	3/4-16	39,5	41,0	25,0
1200693	H1222591-06100M	CR	06	10,0	3/8"	10	7/8-14	44,6	47,0	27,0
1202743	H1222591-08080M	CR	08	13,0	1/2"	08	3/4-16	37,2	40,0	25,0
1202741	H1222591-08100M	CR	08	13,0	1/2"	10	7/8-14	43,3	47,0	27,0
1202844	H1222591-10100M	CR	10	16,0	5/8"	10	7/8-14	49,4	48,0	27,0
1216778	H1222591-10120M	CR	10	16,0	5/8"	12	1 1/16-12	47,9	58,0	32,0
1202746	H1222591-12120M	CR	12	19,0	3/4"	12	1 1/16-12	52,4	54,0	32,0
1216780	H1222591-12160M	CR	12	19,0	3/4"	16	1 5/16-12	52,6	72,0	38,0
1202847	H1222591-16160M	CR	16	25,0	1"	16	1 5/16-12	72,6	71,5	38,0
1202848	H1222592-16200M	TN	16	25,0	1"	20	1 5/8-12	72,6	78,0	50,0
1202849	H1222592-20200M	TN	20	32,0	1 1/4"	20	1 5/8-12	82,4	78,0	50,0
1202850	H1222592-20240M	TN	20	32,0	1 1/4"	24	1 7/8-12	87,3	82,0	55,0
1202851	H1222592-24240M	TN	24	38,0	1 1/2"	24	1 7/8-12	95,3	92,0	55,0
1202852	H1222592-32320M	TN	32	51,0	2"	32	2 1/2-12	129,5	140,0	70,0

// NPTF INSERTS

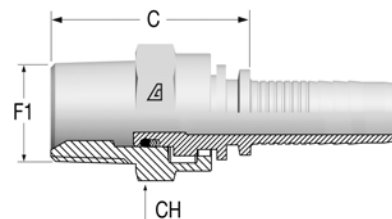
// H1212810

**NPTF Male 60° Seat
AGN**

Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size			
1216612	H1212810-222400	NA	-	35,0	1 3/8"	24	1 1/2-11 1/2	50,5	50,0
1200448	H1212810-030200	NA	03	5,0	3/16"	02	1/8-27	20,8	12,0
1200466	H1212810-040200	NA	04	6,0	1/4"	02	1/8-27	21,3	14,0
1228235	H121281P-040400	NA	04	6,0	1/4"	04	1/4-18	26,8	14,3
1200467	H1212810-040600	NA	04	6,0	1/4"	06	3/8-18	27,8	19,0
1203150	H1212810-040800	NA	04	6,0	1/4"	08	1/2-14	31,3	22,0
1200511	H1212810-050400	NA	05	8,0	5/16"	04	1/4-18	26,8	17,0
1200512	H1212810-050600	NA	05	8,0	5/16"	06	3/8-18	27,8	19,0
1200307	H1212810-060400	NA	06	10,0	3/8"	04	1/4-18	26,8	17,0
1200308	H1212810-060600	NA	06	10,0	3/8"	06	3/8-18	27,8	19,0
1200306	H1212810-060800	NA	06	10,0	3/8"	08	1/2-14	31,3	22,0
1200345	H1212810-080600	NA	08	13,0	1/2"	06	3/8-18	28,6	19,0
1200343	H1212810-080800	NA	08	13,0	1/2"	08	1/2-14	32,1	22,0
1200344	H1212810-081200	NA	08	13,0	1/2"	12	3/4-14	34,1	27,0
1200387	H1212810-100800	NA	10	16,0	5/8"	08	1/2-14	33,1	24,0
1200388	H1212810-101200	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1203149	H1212810-120800	NA	12	19,0	3/4"	08	1/2-14	33,6	27,0
1200421	H1212810-121200	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1200420	H1212810-121600	NA	12	19,0	3/4"	16	1-11 1/2	43,6	36,0
1216610	H1212810-141600	NA	14	22,0	7/8"	16	1-11 1/2	43,6	36,0
1202282	H1212810-161200	NA	16	25,0	1"	12	3/4-14	39,4	36,0
1201366	H1212810-161600	NA	16	25,0	1"	16	1-11 1/2	44,4	36,0
1201367	H1212810-162000	NA	16	25,0	1"	20	1 1/4-11 1/2	47,4	46,0
1201368	H1212810-202000	NA	20	32,0	1 1/4"	20	1 1/4-11 1/2	49,0	46,0
1201369	H1212810-242400	NA	24	38,0	1 1/2"	24	1 1/2-11 1/2	50,5	50,0
1216613	H1212810-293200	NA	29	46,0	1 13/16"	32	2-11 1/2	54,2	65,0
1201370	H1212810-323200	NA	32	51,0	2"	32	2-11 1/2	54,2	65,0

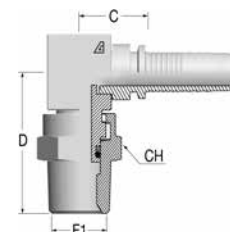
Dimensions shown may be changed without prior notice

// H1212811
NPTF Male Swivel 60° Seat



Item Code	Part Number	Nut Type	ID			F1		F1	C	CH
			Dash	mm	in	Dash Size				
1216614	H1212811-040400	CR	04	6,0	1/4"	04	1/4-18	37,6	17,0	
1216615	H1212811-040600	CR	04	6,0	1/4"	06	3/8-18	39,5	22,0	
1216616	H1212811-060400	CR	06	10,0	3/8"	04	1/4-18	39,6	17,0	
1214186	H1212811-060600	CR	06	10,0	3/8"	06	3/8-18	37,5	22,0	
1216617	H1212811-060800	CR	06	10,0	3/8"	08	1/2-14	43,5	25,0	
1216619	H1212811-080600	CR	08	13,0	1/2"	06	3/8-18	38,3	22,0	
1214187	H1212811-080800	CR	08	13,0	1/2"	08	1/2-14	42,3	25,0	
1216620	H1212811-121200	CR	12	19,0	3/4"	12	3/4-14	50,1	32,0	
1216621	H1212811-161600	CR	16	25,0	1"	16	1-11 1/2	57,9	41,0	

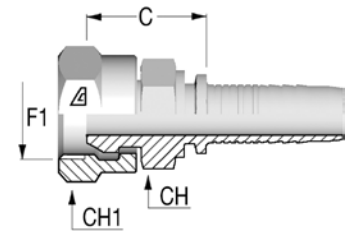
// H1212881
90° Compact NPTF Male Swivel 60° Seat



Item Code	Part Number	Nut Type	ID			F1		F1	C	D Drop	CH
			Dash	mm	in	Dash Size					
1225918	H1212881-040400	CR	04	6,0	1/4"	04	1/4-18	17,0	39,0	17,0	
1225920	H1212881-060600	CR	06	10,0	3/8"	06	3/8-18	20,0	41,0	22,0	
1225921	H1212881-080800	CR	08	13,0	1/2"	08	1/2-14	23,0	48,0	25,0	
1225922	H1212881-121200	CR	12	19,0	3/4"	12	3/4-14	27,0	61,0	32,0	

// NPSM INSERTS

// H1227311 NPSM Female



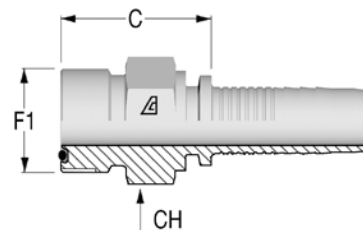
Item Code	Part Number	Nut Type	ID			F1		C	CH	CH1
			Dash	mm	in	Dash Size	F1			
1203280	H1227311-040400	CR	04	6,0	1/4"	04	1/4-18	24,3	17,0	19,0
1216834	H1227311-060600	CR	06	10,0	3/8"	06	3/8-18	24,8	19,0	22,0
1202084	H1227311-080800	CR	08	13,0	1/2"	08	1/2-14	26,6	22,0	27,0
1216835	H1227311-121200	CR	12	19,0	3/4"	12	3/4-14	28,6	30,0	32,0
1216836	H1227311-161600	CR	16	25,0	1"	16	1-11 1/2	35,4	36,0	38,0

Dimensions shown may be changed without prior notice

// ORFS INSERTS

// H1212410

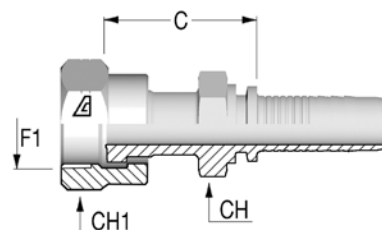
ORFS Male



Item Code	Part Number	Nut Type	ID			F1		F1	C	CH
			Dash	mm	in	Dash Size	F1			
1202488	H1212410-040400	NA	04	6,0	1/4"	04	9/16-18	22,3	17,0	
1202489	H1212410-040600	NA	04	6,0	1/4"	06	11/16-16	24,3	19,0	
1214185	H1212410-050600	NA	05	8,0	5/16"	06	11/16-16	24,3	19,0	
1202490	H1212410-060600	NA	06	10,0	3/8"	06	11/16-16	24,3	19,0	
1202491	H1212410-060800	NA	06	10,0	3/8"	08	13/16-16	26,3	22,0	
1202055	H1212410-061000	NA	06	10,0	3/8"	10	1-14	29,8	27,0	
1202492	H1212410-080800	NA	08	13,0	1/2"	08	13/16-16	27,1	22,0	
1202054	H1212410-081000	NA	08	13,0	1/2"	10	1-14	30,6	27,0	
1202493	H1212410-081200	NA	08	13,0	1/2"	12	1 3/16-12	34,1	32,0	
1202892	H1212410-101000	NA	10	16,0	5/8"	10	1-14	30,6	27,0	
1202494	H1212410-101200	NA	10	16,0	5/8"	12	1 3/16-12	34,1	32,0	
1202495	H1212410-121000	NA	12	19,0	3/4"	10	1-14	31,1	27,0	
1202496	H1212410-121200	NA	12	19,0	3/4"	12	1 3/16-12	34,6	32,0	
1202497	H1212410-121600	NA	12	19,0	3/4"	16	1 7/16-12	38,1	41,0	
1202498	H1212410-161600	NA	16	25,0	1"	16	1 7/16-12	37,9	38,0	
1202499	H1212410-162000	NA	16	25,0	1"	20	1 11/16-12	39,9	46,0	
1202500	H1212410-202000	NA	20	32,0	1 1/4"	20	1 11/16-12	41,5	46,0	

// H1222411

ORFS Female with Stem Hexagon



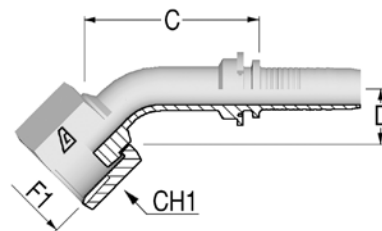
Item Code	Part Number	Nut Type	ID			F1		F1	C	CH	CH1
			Dash	mm	in	Dash Size	F1				
1203220	H1222411-030400	CR	03	5,0	3/16"	04	9/16-18	26,8	14,0	17,0	
1201586	H1222411-040400	CR	04	6,0	1/4"	04	9/16-18	27,3	14,0	17,0	
1201855	H1222411-040600	CR	04	6,0	1/4"	06	11/16-16	30,3	17,0	22,0	
1201741	H1222411-050600	CR	05	8,0	5/16"	06	11/16-16	30,3	17,0	22,0	
1202369	H1222411-060600	CR	06	10,0	3/8"	06	11/16-16	30,3	17,0	22,0	
1201339	H1222411-060800	CR	06	10,0	3/8"	08	13/16-16	35,3	22,0	24,0	
1202563	H1222411-080600	CR	08	13,0	1/2"	06	11/16-16	32,1	19,0	22,0	
1201338	H1222411-080800	CR	08	13,0	1/2"	08	13/16-16	36,1	22,0	24,0	
1202052	H1222411-081000	CR	08	13,0	1/2"	10	1-14	39,6	24,0	30,0	
1203061	H1222411-100800	CR	10	16,0	5/8"	08	13/16-16	37,1	24,0	24,0	
1202612	H1222411-101000	CR	10	16,0	5/8"	10	1-14	39,6	24,0	30,0	
1201782	H1222411-121000	CR	12	19,0	3/4"	10	1-14	40,1	27,0	30,0	
1202560	H1222411-121200	CR	12	19,0	3/4"	12	1 3/16-12	42,6	30,0	36,0	
1202053	H1222411-121600	CR	12	19,0	3/4"	16	1 7/16-12	48,6	36,0	41,0	
1203142	H1222411-161200	CR	16	25,0	1"	12	1 3/16-12	45,4	32,0	36,0	
1201446	H1222411-161600	CR	16	25,0	1"	16	1 7/16-12	49,4	36,0	41,0	
1201447	H1222411-202000	CR	20	32,0	1 1/4"	20	1 11/16-12	52,0	41,0	50,0	
1226017	H1222411-202400	CR	20	32,0	1 1/4"	24	2-12	56,5	50,0	60,0	
1202046	H1222411-242400	CR	24	38,0	1 1/2"	24	2-12	56,5	50,0	60,0	

// H1222443-M

45° ORFS Female - Medium Drop

DK ORFS 45M

Solid one piece



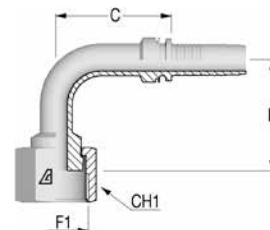
Item Code	Part Number	Nut Type	ID			F1		F1	C	D Drop	CH1
			Dash	mm	in	Dash Size	mm				
1202774	H1222443-04040M	SN	04	6,0	1/4"	04	9/16-18	41,1	11,0	17,0	
1202775	H1222443-04060M	SN	04	6,0	1/4"	06	11/16-16	46,1	11,0	22,0	
1202871	H1222443-05060M	SN	05	8,0	5/16"	06	11/16-16	46,3	12,0	22,0	
1202776	H1222443-06060M	SN	06	10,0	3/8"	06	11/16-16	47,4	12,0	22,0	
1202777	H1222443-06080M	SN	06	10,0	3/8"	08	13/16-16	51,2	15,0	24,0	
1202854	H1222441-08080M	CR	08	13,0	1/2"	08	13/16-16	47,1	16,0	24,0	
1202771	H1222443-08100M	SN	08	13,0	1/2"	10	1-14	50,4	16,5	30,0	
1202819	H1222443-10100M	SN	10	16,0	5/8"	10	1-14	57,7	17,0	30,0	
1202853	H1222443-10120M	SN	10	16,0	5/8"	12	1 3/16-12	63,1	21,0	36,0	
1203060	H1222441-12100M	CR	12	19,0	3/4"	10	1-14	51,4	24,0	30,0	
1202872	H1222443-12120M	SN	12	19,0	3/4"	12	1 3/16-12	63,5	21,0	36,0	
1202915	H1222443-12160M	SN	12	19,0	3/4"	16	1 7/16-12	70,7	24,0	41,0	
1202797	H1222443-16160M	SN	16	25,0	1"	16	1 7/16-12	82,4	26,0	41,0	
1203141	H1222443-16200M	SN	16	25,0	1"	20	1 11/16-12	85,4	26,0	50,0	
1202873	H1222443-20200M	SN	20	32,0	1 1/4"	20	1 11/16-12	97,4	26,0	50,0	
1202874	H1222443-24240M	SN	24	38,0	1 1/2"	24	2-12	104,4	28,0	60,0	

// H1222493-M

90° ORFS Female - Medium Drop

DK ORFS 90M

Solid one piece



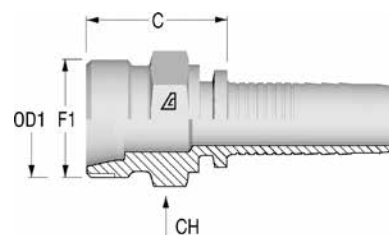
Item Code	Part Number	Nut Type	ID			F1		F1	C	D Drop	CH1
			Dash	mm	in	Dash Size	mm				
1202875	H1222493-04040M	SN	04	6,0	1/4"	04	9/16-18	29,8	32,0	17,0	
1202715	H1222493-04060M	SN	04	6,0	1/4"	06	11/16-16	37,3	38,0	22,0	
1202779	H1222493-05060M	SN	05	8,0	5/16"	06	11/16-16	40,7	34,0	22,0	
1202780	H1222493-06060M	SN	06	10,0	3/8"	06	11/16-16	41,8	38,0	22,0	
1202716	H1222493-06080M	SN	06	10,0	3/8"	08	13/16-16	43,8	41,0	24,0	
1202781	H1222491-08080M	CR	08	13,0	1/2"	08	13/16-16	34,8	42,0	24,0	
1202770	H1222493-08100M	SN	08	13,0	1/2"	10	1-14	48,3	47,0	30,0	
1202782	H1222493-10100M	SN	10	16,0	5/8"	10	1-14	55,4	44,0	30,0	
1203137	H1222493-10120M	SN	10	16,0	5/8"	12	1 3/16-12	55,4	58,0	36,0	
1202783	H1222493-12120M	SN	12	19,0	3/4"	12	1 3/16-12	61,6	58,0	36,0	
1202916	H1222493-12160M	SN	12	19,0	3/4"	16	1 7/16-12	65,6	71,0	41,0	
1216748	H1222491-16120M	CR	16	25,0	1"	12	1 3/16-12	62,6	58,0	36,0	
1202717	H1222493-16160M	SN	16	25,0	1"	16	1 7/16-12	82,6	66,0	41,0	
1203069	H1222493-16200M	SN	16	25,0	1"	20	1 11/16-12	82,6	78,0	50,0	
1202876	H1222493-20200M	SN	20	32,0	1 1/4"	20	1 11/16-12	97,0	78,0	50,0	
1202877	H1222493-24240M	SN	24	38,0	1 1/2"	24	2-12	107,8	87,0	60,0	

Dimensions shown may be changed without prior notice

// FRENCH INSERTS

// H1211810

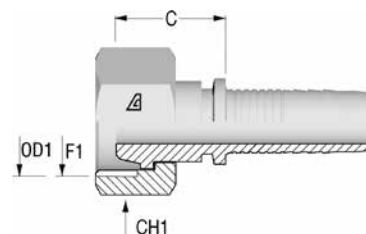
**Metric Male
French Type**



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in				
1200522	H1211810-052000	NA	05	8,0	5/16"	M20X1.5	13,25	17,0	22,0
1200317	H1211810-062000	NA	06	10,0	3/8"	M20X1.5	13,25	25,3	22,0
1200361	H1211810-082400	NA	08	13,0	1/2"	M24X1.5	16,75	27,1	24,0
1200404	H1211810-103000	NA	10	16,0	5/8"	M30X1.5	21,25	31,1	30,0
1200435	H1211810-123600	NA	12	19,0	3/4"	M36X1.5	26,75	33,6	36,0

// H1221813

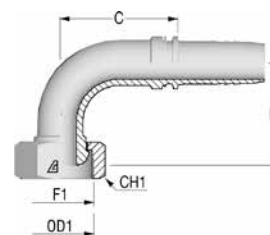
**Metric Female
French Type**



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in				
1200651	H1221813-052000	SN	05	8,0	5/16"	M20X1.5	14	23,8	24,0
1200681	H1221813-062000	SN	06	10,0	3/8"	M20X1.5	14	23,8	24,0
1200717	H1221813-082400	SN	08	13,0	1/2"	M24X1.5	16	26,8	30,0
1200744	H1221813-103000	SN	10	16,0	5/8"	M30X1.5	22	26,6	36,0
1200770	H1221813-123600	SN	12	19,0	3/4"	M36X1.5	28	27,0	42,0

// H1221893

**90° Metric Female
French type**

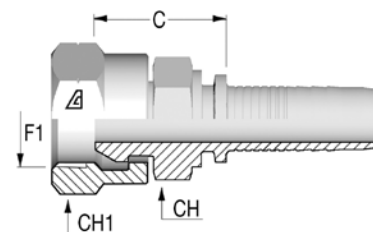


Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in					
1200654	H1221893-052000	SN	05	8,0	5/16"	M20X1.5	14	32,5	36,5	24,0
1200683	H1221893-062000	SN	06	10,0	3/8"	M20X1.5	14	36,7	44,0	24,0
1200719	H1221893-082400	SN	08	13,0	1/2"	M24X1.5	16	39,5	46,0	30,0
1203156	H1221893-103000	SN	10	16,0	5/8"	M30X1.5	22	43,0	49,0	36,0
1200773	H1221893-123600	SN	12	19,0	3/4"	M36X1.5	28	46,6	48,5	42,0

// JIS INSERTS

// H1223711

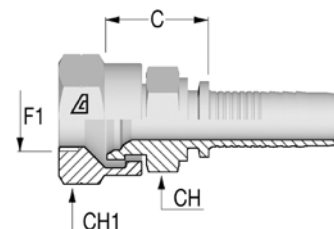
JIS Female 60° Cone - B 8363 (type C)



Item Code	Part Number	Nut Type	ID			F1		C	CH	CH1
			Dash	mm	in	Dash Size	F1			
1203108	H1223711-080800	CR	08	13,0	1/2"	08	1/2-14	26,1	22,0	27,0
1226069	H1223711-100800	CR	10	16,0	5/8"	08	1/2-14	27,1	24,0	27,0
1226549	H1223711-101200	CR	10	16,0	5/8"	12	3/4-14	29,6	30,0	36,0
1203107	H1223711-121200	CR	12	19,0	3/4"	12	3/4-14	30,1	30,0	36,0
1214218	H1223711-161600	CR	16	25,0	1"	16	1-11	34,9	36,0	41,0

// H122381Z

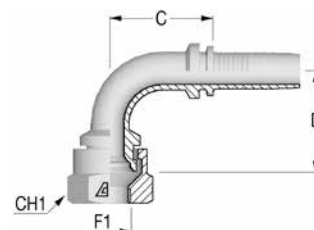
JIS Female 60° Seat Flare - B 8363 (type F)



Item Code	Part Number	Nut Type	ID			F1		C	CH	CH1
			Dash	mm	in	Dash Size	F1			
1202947	H122381Z-040400	CR	04	6,0	1/4"	04	1/4-19	20,8	17,0	19,0
1202879	H122381Z-060600	CR	06	10,0	3/8"	06	3/8-19	21,8	19,0	22,0
1202878	H122381Z-080800	CR	08	13,0	1/2"	08	1/2-14	23,6	22,0	27,0
1203106	H122381Z-121200	CR	12	19,0	3/4"	12	3/4-14	27,1	30,0	36,0
1203105	H122381Z-161600	CR	16	25,0	1"	16	1-11	32,9	36,0	41,0
1201585	H122381Z-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	39,5	46,0	50,0
1201677	H122381Z-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	41,5	50,0	55,0

// H122389Z

90° JIS Female 60° Seat Flare - B 8363 (type F)



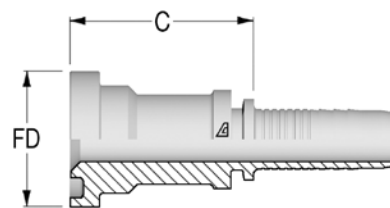
Item Code	Part Number	Nut Type	ID			F1		C	D Drop	CH1
			Dash	mm	in	Dash Size	F1			
1203095	H122389Z-040400	CR	04	6,0	1/4"	04	1/4-19	27,3	29,5	19,0
1203094	H122389Z-060600	CR	06	10,0	3/8"	06	3/8-19	31,3	33,0	22,0
1203093	H122389Z-080800	CR	08	13,0	1/2"	08	1/2-14	37,3	36,5	27,0
1203092	H122389Z-121200	CR	12	19,0	3/4"	12	3/4-14	46,1	52,0	36,0
1203091	H122389Z-161600	CR	16	25,0	1"	16	1-11	77,1	64,5	41,0

Dimensions shown may be changed without prior notice

// SAE FLANGES

// H1243310

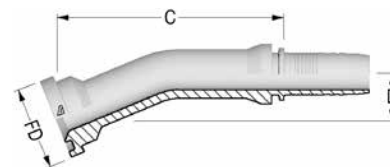
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Part Number	ID			Flange Dash Size	Flange Size	C	FD	WP
		Dash	mm	in					
1202747	H1243310-080800	08	13,0	1/2"	08	1/2	41,0	30,2	5000
1202763	H1243310-081200	08	13,0	1/2"	12	3/4	42,0	38,1	5000
1202801	H1243310-101200	10	16,0	5/8"	12	3/4	42,2	38,1	5000
1201734	H1243310-121200	12	19,0	3/4"	12	3/4	42,5	38,1	5000
1202750	H1243310-121600	12	19,0	3/4"	16	1	50,5	44,5	5000
1201408	H1243310-161600	16	25,0	1"	16	1	51,4	44,5	5000
1201409	H1243310-162000	16	25,0	1"	20	1 1/4	53,9	50,8	4000
1221654	H1243310-201600	20	32,0	1 1/4"	16	1	53,0	44,5	5000
1201410	H1243310-202000	20	32,0	1 1/4"	20	1 1/4	55,5	50,8	4000
1201411	H1243310-202400	20	32,0	1 1/4"	24	1 1/2	58,5	60,3	3000
1201412	H1243310-242400	24	38,0	1 1/2"	24	1 1/2	58,5	60,3	3000
1201413	H1243310-243200	24	38,0	1 1/2"	32	2	70,0	71,4	3000
1221662	H1243310-322400	32	51,0	2"	24	1 1/2	66,0	60,3	3000
1201414	H1243310-323200	32	51,0	2"	32	2	70,0	71,4	3000
1202074	H1243310-324000	32	51,0	2"	40	2 1/2	83,0	84,1	2500

// H1243320

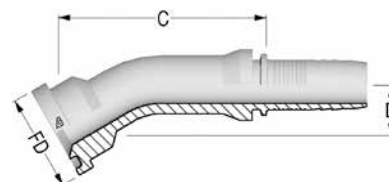
22° Flange SAE 3000 PSI J518 Code 61 - SFL 22
Solid one piece



Item Code	Part Number	ID			Flange Dash Size	Flange Size	FD	C	D Drop	WP
		Dash	mm	in						
1216854	H1243320-161600	16	25,0	1"	16	1	44,5	92,7	12,0	5000
1216856	H1243320-202000	20	32,0	1 1/4"	20	1 1/4	50,8	113,6	16,0	4000
1216857	H1243320-202400	20	32,0	1 1/4"	24	1 1/2	60,3	114,7	20,5	3000
1216858	H1243320-242400	24	38,0	1 1/2"	24	1 1/2	60,3	131,0	22,0	3000
1216859	H1243320-323200	32	51,0	2"	32	2	71,4	153,0	30,0	3000

// H1243330

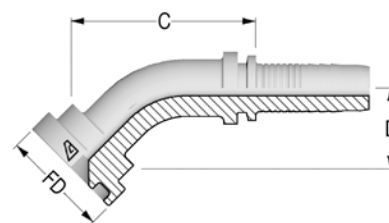
30° Flange SAE 3000 PSI J518 Code 61 - SFL 30
Solid one piece



Item Code	Part Number	ID			Flange Dash Size	Flange Size	FD mm	C mm	D Drop mm	WP psi
		Dash	mm	in						
1216861	H1243330-121200	12	19,0	3/4"	12	3/4	38,1	80,8	12,0	5000
1216862	H1243330-121600	12	19,0	3/4"	16	1	44,5	83,8	12,0	5000
1216863	H1243330-161600	16	25,0	1"	16	1	44,5	89,8	12,0	5000
1216864	H1243330-162000	16	25,0	1"	20	1 1/4	50,8	90,0	12,0	4000
1216866	H1243330-202000	20	32,0	1 1/4"	20	1 1/4	50,8	102,4	12,0	4000
1216867	H1243330-202400	20	32,0	1 1/4"	24	1 1/2	60,3	111,9	13,0	3000
1216868	H1243330-242400	24	38,0	1 1/2"	24	1 1/2	60,3	128,6	23,0	3000
1216869	H1243330-243200	24	38,0	1 1/2"	32	2	71,4	147,0	29,5	3000

// H1243340

45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece

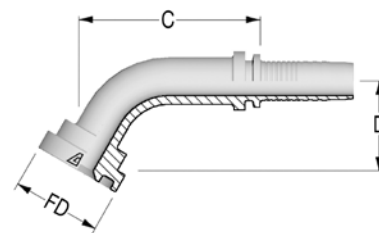


Item Code	Part Number	ID			Flange Dash Size	Flange Size	FD mm	C mm	D Drop mm	WP psi
		Dash	mm	in						
1202748	H1243340-080800	08	13,0	1/2"	08	1/2	30,2	52,9	22,0	5000
1202751	H1243340-081200	08	13,0	1/2"	12	3/4	38,1	60,3	26,0	5000
1202678	H1243340-121200	12	19,0	3/4"	12	3/4	38,1	73,7	32,0	5000
1202752	H1243340-121600	12	19,0	3/4"	16	1	44,5	77,9	29,0	5000
1214223	H1243340-122000	12	19,0	3/4"	20	1 1/4	50,8	81,5	30,0	5000
1202681	H1243340-161600	16	25,0	1"	16	1	44,5	82,7	33,5	5000
1201845	H1243340-162000	16	25,0	1"	20	1 1/4	50,8	82,2	36,0	4000
1216872	H1243340-201600	20	32,0	1 1/4"	16	1	44,5	114,6	35,1	5000
1201848	H1243340-202000	20	32,0	1 1/4"	20	1 1/4	50,8	95,1	37,5	4000
1202677	H1243340-202400	20	32,0	1 1/4"	24	1 1/2	60,3	104,1	40,0	3000
1216873	H1243340-242000	24	38,0	1 1/2"	20	1 1/4	50,8	144,9	49,5	4000
1202753	H1243340-242400	24	38,0	1 1/2"	24	1 1/2	60,3	116,7	48,0	3000
1202754	H1243340-243200	24	38,0	1 1/2"	32	2	71,4	135,6	55,5	3000
1201982	H1243340-323200	32	51,0	2"	32	2	71,4	140,8	47,5	3000

Dimensions shown may be changed without prior notice

// H1243360

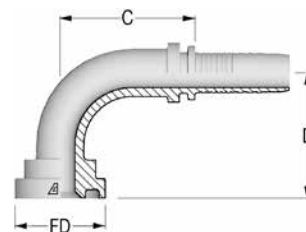
60° Flange SAE 3000 PSI J518 Code 61 - SFL 60
Solid one piece



Item Code	Part Number	ID			Flange Dash Size	Flange Size	FD	C	D Drop	WP
		Dash	mm	in						
1216878	H1243360-121200	12	19,0	3/4"	12	3/4	38,1	85,7	37,0	5000
1216880	H1243360-161600	16	25,0	1"	16	1	44,5	101,0	47,0	5000
1216881	H1243360-162000	16	25,0	1"	20	1 1/4	50,8	106,6	43,5	4000
1216882	H1243360-202000	20	32,0	1 1/4"	20	1 1/4	50,8	129,5	56,5	4000
1202882	H1243360-242400	24	38,0	1 1/2"	24	1 1/2	60,3	151,5	57,0	3000
1216884	H1243360-323200	32	51,0	2"	32	2	71,4	173,0	92,0	3000

// H1243390

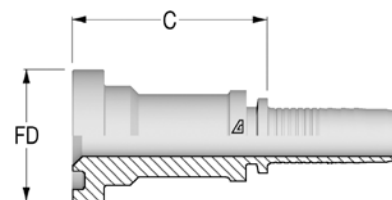
90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece



Item Code	Part Number	ID			Flange Dash Size	Flange Size	FD	C	D Drop	WP
		Dash	mm	in						
1202749	H1243390-080800	08	13,0	1/2"	08	1/2	30,2	45,8	42,0	5000
1202755	H1243390-081200	08	13,0	1/2"	12	3/4	38,1	45,3	51,0	5000
1202805	H1243390-101200	10	16,0	5/8"	12	3/4	38,1	49,4	51,0	5000
1202679	H1243390-121200	12	19,0	3/4"	12	3/4	38,1	59,7	58,0	5000
1202756	H1243390-121600	12	19,0	3/4"	16	1	44,5	66,2	64,5	5000
1202883	H1243390-122000	12	19,0	3/4"	20	1 1/4	50,8	69,7	60,0	4000
1202680	H1243390-161600	16	25,0	1"	16	1	44,5	70,6	67,0	5000
1201846	H1243390-162000	16	25,0	1"	20	1 1/4	50,8	73,6	71,0	4000
1216894	H1243390-162400	16	25,0	1"	24	1 1/2	60,3	93,1	75,0	3000
1202884	H1243390-201600	20	32,0	1 1/4"	16	1	44,5	94,4	65,0	5000
1201847	H1243390-202000	20	32,0	1 1/4"	20	1 1/4	50,8	88,0	84,0	4000
1202676	H1243390-202400	20	32,0	1 1/4"	24	1 1/2	60,3	91,5	87,5	3000
1202806	H1243390-242000	24	38,0	1 1/2"	20	1 1/4	50,8	93,6	93,0	4000
1202757	H1243390-242400	24	38,0	1 1/2"	24	1 1/2	60,3	104,8	91,0	3000
1202758	H1243390-243200	24	38,0	1 1/2"	32	2	71,4	104,8	115,0	3000
1216898	H1243390-322400	32	51,0	2"	24	1 1/2	60,3	132,8	133,0	3000
1201983	H1243390-323200	32	51,0	2"	32	2	71,4	129,3	130,0	3000
1203169	H1243390-3240S0	32	51,0	2"	40	2 1/2	84,1	103,0	100,0	2500

// H1243610

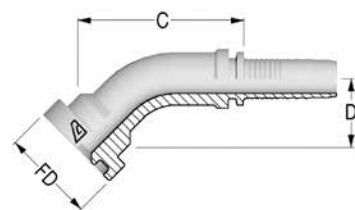
Flange SAE 6000 PSI J518 Code 62 - SFS



Item Code	Part Number	ID			Flange		C	FD	WP
		Dash	mm	in	Dash Size	Flange Size			
1202511	H1243610-080800	08	13,0	1/2"	08	1/2	47,0	31,8	6000
1202759	H1243610-081200	08	13,0	1/2"	12	3/4	52,0	41,3	6000
1202807	H1243610-101200	10	16,0	5/8"	12	3/4	52,2	41,3	6000
1202733	H1243610-121200	12	19,0	3/4"	12	3/4	52,5	41,3	6000
1202760	H1243610-121600	12	19,0	3/4"	16	1	55,5	47,6	6000
1216908	H1243610-161200	16	25,0	1"	12	3/4	56,4	41,3	6000
1201415	H1243610-161600	16	25,0	1"	16	1	56,4	47,6	6000
1201416	H1243610-162000	16	25,0	1"	20	1 1/4	63,4	54,0	6000
1201417	H1243610-202000	20	32,0	1 1/4"	20	1 1/4	83,0	54,0	6000
1201418	H1243610-202400	20	32,0	1 1/4"	24	1 1/2	71,0	63,5	6000
1201419	H1243610-242400	24	38,0	1 1/2"	24	1 1/2	101,0	63,5	6000
1201420	H1243610-243200	24	38,0	1 1/2"	32	2	76,0	79,4	6000
1201421	H1243610-323200	32	51,0	2"	32	2	76,0	79,4	6000

// H1243640

**45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece**

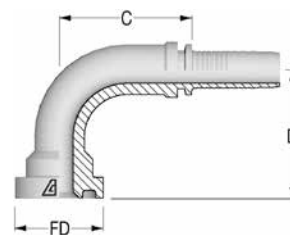


Item Code	Part Number	ID			Flange		FD	C	D Drop	WP
		Dash	mm	in	Dash Size	Flange Size				
1201729	H1243640-080800	08	13,0	1/2"	08	1/2	31,8	56,5	23,0	6000
1202764	H1243640-081200	08	13,0	1/2"	12	3/4	41,3	79,9	30,5	6000
1216910	H1243640-101200	10	16,0	5/8"	12	3/4	41,3	69,0	31,0	6000
1202082	H1243640-121200	12	19,0	3/4"	12	3/4	41,3	84,1	31,0	6000
1202083	H1243640-121600	12	19,0	3/4"	16	1	47,6	80,0	33,5	6000
1201794	H1243640-161600	16	25,0	1"	16	1	47,6	96,7	36,0	6000
1202091	H1243640-162000	16	25,0	1"	20	1 1/4	54,0	96,1	39,0	6000
1202761	H1243640-202000	20	32,0	1 1/4"	20	1 1/4	54,0	108,6	40,0	6000
1202452	H1243640-202400	20	32,0	1 1/4"	24	1 1/2	63,5	114,8	45,5	6000
1202453	H1243640-242400	24	38,0	1 1/2"	24	1 1/2	63,5	122,9	45,0	6000
1202734	H1243640-323200	32	51,0	2"	32	2	79,4	156,6	60,0	6000

Dimensions shown may be changed without prior notice

// H1243690

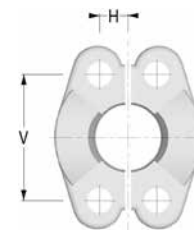
90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece



Item Code	Part Number	ID		Flange Dash Size	Flange Size	FD	C	D Drop	WP	
		Dash	mm							in
1202257	H1243690-080800	08	13,0	1/2"	08	1/2	31,8	47,8	46,0	6000
1202766	H1243690-081200	08	13,0	1/2"	12	3/4	41,3	47,8	54,0	6000
1202808	H1243690-100800	10	16,0	5/8"	08	1/2	31,8	50,0	52,0	6000
1202814	H1243690-101200	10	16,0	5/8"	12	3/4	41,3	49,9	55,0	6000
1202075	H1243690-121200	12	19,0	3/4"	12	3/4	41,3	63,2	61,0	6000
1201795	H1243690-121600	12	19,0	3/4"	16	1	47,6	63,2	66,0	6000
1216913	H1243690-161200	16	25,0	1"	12	3/4	41,3	72,6	61,0	6000
1201739	H1243690-161600	16	25,0	1"	16	1	47,6	73,6	75,0	6000
1202767	H1243690-162000	16	25,0	1"	20	1 1/4	54,0	77,6	78,0	6000
1202735	H1243690-202000	20	32,0	1 1/4"	20	1 1/4	54,0	94,5	89,0	6000
1202768	H1243690-202400	20	32,0	1 1/4"	24	1 1/2	63,5	98,0	94,0	6000
1202736	H1243690-242400	24	38,0	1 1/2"	24	1 1/2	63,5	99,6	105,0	6000
1202769	H1243690-243200	24	38,0	1 1/2"	32	2	79,4	116,9	123,0	6000
1202762	H1243690-323200	32	51,0	2"	32	2	79,4	143,3	132,0	6000

// H10W3320

Split Flange Clamp 3000 PSI J518 Code 61 - FHL



Item Code	Part Number	FD	V	H
		in	mm	mm
1900451	H10W3320-080000	1/2"	38,1	8,7
1900457	H10W3320-120000	3/4"	47,6	11,1
1900452	H10W3320-160000	1"	52,4	13,1
1900454	H10W3320-200000	1 1/4"	58,7	15,1
1900453	H10W3320-240000	1 1/2"	69,9	17,9
1900455	H10W3320-320000	2"	77,8	21,4

// SVK-ISO-A

POPPET STANDARD ISO 7241 A



- Quick and simple coupling and uncoupling
- Cost effective

General features: ARGUS ISO 7241-1 series "A" quick release couplings are used for quick coupling and uncoupling of hydraulic lines. The SVK-ISO-A quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve. This guarantees a flush connection between the two coupling halves.

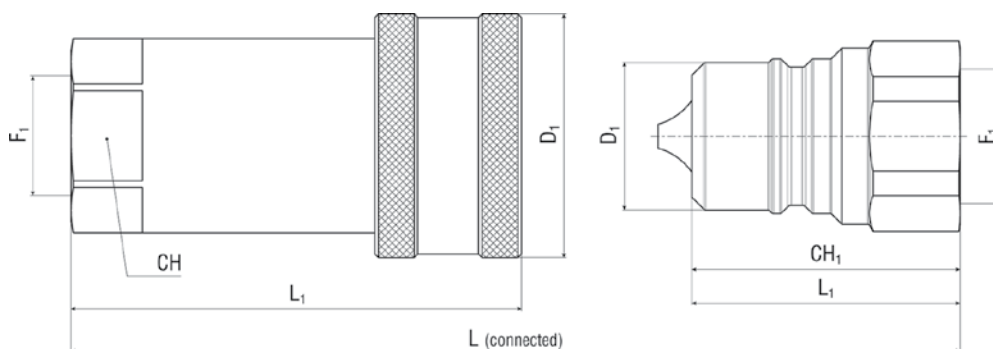
Norm: ISO 7241 A

Thread Standard: BSPP connection according to DIN 3852-2-X

Temperature range: -20 °C +100 °C

Temp. range for metric version -30 °C to +125 °C

Working Pressure: to max 350 bar



STANDARD ISO 7241 A - POPPET SVK-ISO-A

Female coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1219613	04	6,0	1/4"	35,0	140,0	BSPP	1/4-19	26,0	19,0	50,0	74,20
1219607	06	10,0	3/8"	31,5	126,0	BSPP	3/8-19	31,5	22,0	56,0	78,50
1232129	06	10,0	3/8"	31,5	126,0	BSPP	1/2-14	32,0	27,0	56,0	74,50
1219617	08	13,0	1/2"	27,0	108,0	BSPP	1/2-14	38,5	27,0	66,0	88,20
1219609	12	19,0	3/4"	25,0	100,0	BSPP	3/4-14	48,0	34,0	82,5	110,40
1219619	16	25,0	1"	20,0	80,0	BSPP	1-11	56,0	41,0	100,0	132,90

Male coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1219611	04	6,0	1/4"	35,0	140,0	BSPP	1/4-19	11,8	19,0	38,5	74,20
1219606	06	10,0	3/8"	31,5	126,0	BSPP	3/8-19	17,3	22,0	36,5	78,50
1219615	08	13,0	1/2"	27,0	108,0	BSPP	1/2-14	20,5	27,0	44,0	88,20
1219608	12	19,0	3/4"	25,0	100,0	BSPP	3/4-14	29,0	34,0	55,0	110,40
1219618	16	25,0	1"	20,0	80,0	BSPP	1-11	34,3	41,0	66,0	132,90

Dimensions shown may be changed without prior notice

// SVK-ISO-B

POPPET STANDARD ISO 7241 B



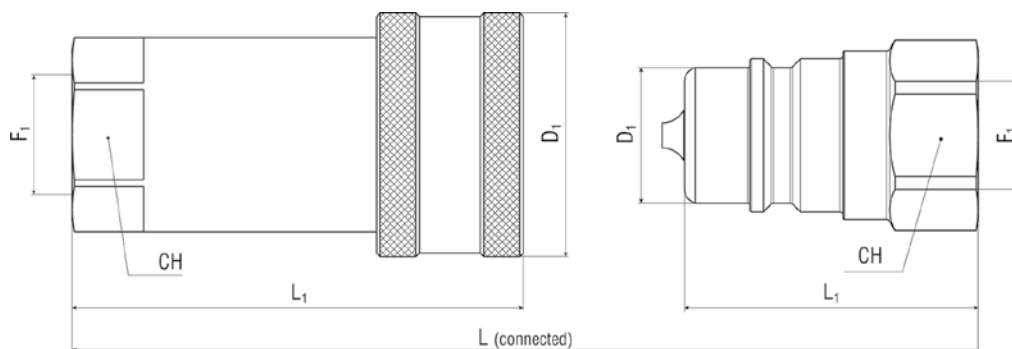
- **Quick and simple coupling and uncoupling**

General features: ARGUS ISO 7241-1 series "B" quick release couplings are used for quick coupling and uncoupling of hydraulic lines. The SVK-ISO-B quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve. This guarantees a flush connection between the two coupling halves.

Norm: ISO 7241 B

Temperature range: -20 °C +100 °C

Working Pressure: to max 300 bar

**STANDARD ISO 7241 B - POPPET SVK-ISO-B****Female coupling - Female thread**

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1223633	04	6,0	1/4"	30,0	120,0	BSPP	1/4-19	28,5	19,0	58,0	72,00
1223636	06	10,0	3/8"	28,0	112,0	BSPP	3/8-19	35,0	24,0	65,0	81,00
1223632	08	13,0	1/2"	25,0	100,0	BSPP	1/2-14	44,5	28,5	74,0	93,50
1223635	12	19,0	3/4"	20,0	80,0	BSPP	3/4-14	54,0	36,0	92,0	113,00
1223631	16	25,0	1"	15,0	60,0	BSPP	1-11	63,5	41,0	103,0	127,00

Male coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1223639	04	6,0	1/4"	30,0	120,0	BSPP	1/4-19	14,2	19,0	36,0	72,00
1223642	06	10,0	3/8"	28,0	112,0	BSPP	3/8-19	19,1	24,0	40,0	81,00
1223638	08	13,0	1/2"	25,0	100,0	BSPP	1/2-14	23,5	28,5	46,5	93,50
1223641	12	19,0	3/4"	20,0	80,0	BSPP	3/4-14	31,4	36,0	56,0	113,00
1223637	16	25,0	1"	15,0	60,0	BSPP	1-11	37,8	41,0	63,0	127,00



POPPET INDUSTRY STANDARD



- **Agricultural/normal series**
- **Compatibility with other couplings in-use**
- **DN 12 compatible with ISO 7241-1-A**

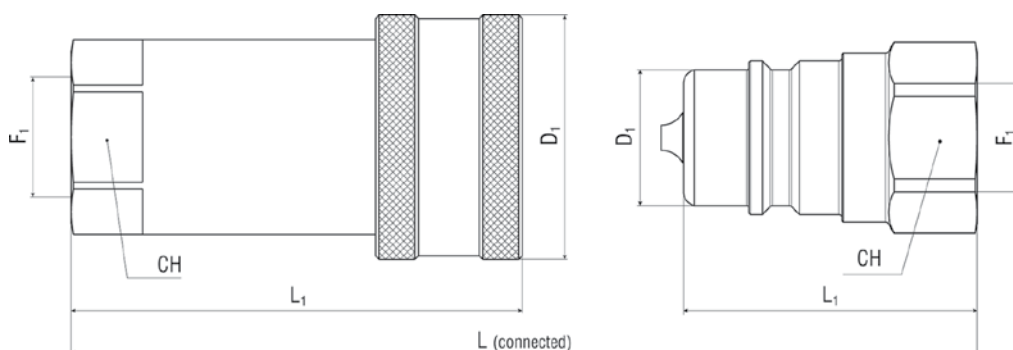
General features: ARGUS Agricultural/Normal quick release couplings are used for quick coupling and uncoupling of hydraulic lines. The SNK quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve. This guarantees a flush connection between the two coupling halves.

Valve: Poppet

Thread Standard: BSPP connection according to DIN 3852-2-X

Temperature range: -20 °C +100 °C

Working Pressure: to max 350 bar



INDUSTRY STANDARD - POPPET SNK

Female coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1223670	04	6,0	1/4"	35,0	140,0	BSPP	1/4-19	27,6	19,0	53,5	72,00
1223672	06	10,0	3/8"	27,0	108,0	BSPP	3/8-19	34,0	24,0	63,0	83,00
1223671	12	19,0	3/4"	20,0	80,0	BSPP	3/4-14	48,2	34,0	82,5	108,00
1223669	16	25,0	1"	20,0	80,0	BSPP	1-11	56,5	41,0	96,5	127,00

Male coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1223674	04	6,0	1/4"	35,0	140,0	BSPP	1/4-19	14,1	19,0	36,0	72,00
1223676	06	10,0	3/8"	27,0	108,0	BSPP	3/8-19	18,9	24,0	40,0	83,00
1223675	12	19,0	3/4"	20,0	80,0	BSPP	3/4-14	27,9	34,0	53,5	108,00
1223673	16	25,0	1"	20,0	80,0	BSPP	1-11	31,3	41,0	63,0	127,00

Dimensions shown may be changed without prior notice

// SNKB

BALL INDUSTRY STANDARD

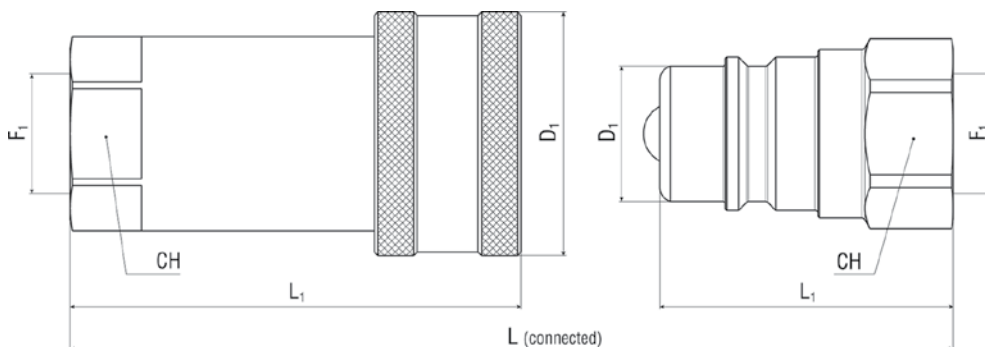


- **Ball valve**
- **Agricultural/normal series**
- **Compatibility with other couplings in-use**
- **DN 12 compatible with ISO 7241-1-A**

General features: ARGUS Agricultural/Normal quick release couplings with ball valve are used for quick coupling and uncoupling of hydraulic lines. The SNK-B quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve.

Temperature range: -20 °C +100 °C

Working Pressure: to max 350 bar



INDUSTRY STANDARD - BALL SNKB

Female coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1223611	04	6,0	1/4"	35,0	140,0	BSPP	1/4-19	27,6	19,0	53,5	72,00
1223614	06	10,0	3/8"	27,0	108,0	BSPP	3/8-19	34,0	24,0	63,0	83,00
1223610	08	13,0	1/2"	27,0	108,0	BSPP	1/2-14	38,5	27,0	66,0	88,20
1223612	12	19,0	3/4"	20,0	80,0	BSPP	3/4-14	48,2	34,0	82,5	108,00
1223609	16	25,0	1"	20,0	80,0	BSPP	1-11	56,5	41,0	96,5	127,00

Male coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1223617	04	6,0	1/4"	35,0	140,0	BSPP	1/4-19	14,1	19,0	36,0	72,00
1223620	06	10,0	3/8"	27,0	108,0	BSPP	3/8-19	18,9	24,0	40,0	83,00
1223616	08	13,0	1/2"	27,0	108,0	BSPP	1/2-14	20,5	27,0	44,0	88,20
1223618	12	19,0	3/4"	20,0	80,0	BSPP	3/4-14	27,9	34,0	53,5	108,00
1223615	16	25,0	1"	20,0	80,0	BSPP	1-11	31,3	41,0	63,0	127,00

// SHK

HIFLOW TRUCK TYPE POPPET



TOP COAT



- **Compatibility with other couplings in-use**
- **Optional pressure elimination system**

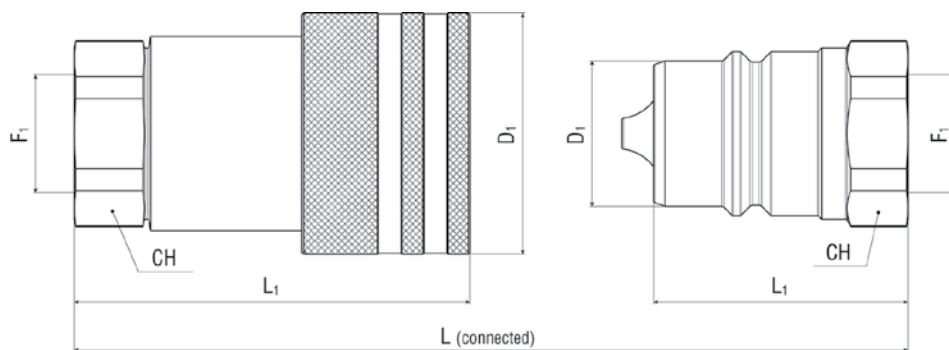
General features: ARGUS SHK are used for quick coupling and uncoupling of hydraulic lines. The SHK quick release coupling, formed by the coupling plug and the coupling socket, is coupled by pushing on a sleeve. This guarantees a flush connection between the two coupling halves. The sleeve is designed so that it has only to be moved in the relevant direction for disconnecting or connecting of coupling halves.

Valve: Poppet

Thread Standard: BSPP connection according to DIN 3852-2-X

Temperature range: -20 °C +125 °C

Working Pressure: 300 bar



HIFLOW TRUCK TYPE - POPPET SHK

Female coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1233551	16	25,0	1"	30,0	120,0	BSPP	1-11	64,5	46,0	108,0	132,60

Male coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1233552	16	25,0	1"	30,0	120,0	BSPP	1-11	38,3	46,0	66,0	132,60

HIFLOW TRUCK TYPE PRESSURE ELIMINATION SYSTEM - POPPET SHK

Female coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1233723	16	25,0	1"	30,0	120,0	BSPP	1-11	64,5	46,0	108,0	132,60

Male coupling - Female thread

Item Code	⊗			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1233724	16	25,0	1"	30,0	120,0	BSPP	1-11	38,3	46,0	66,0	132,60

Dimensions shown may be changed without prior notice

// SVK-1H-ISO-A

POPPET STANDARD ISO 7241 A



TOP COAT



- Quick and simple coupling and uncoupling
- One-hand push pull operation
- Break-away function
- Low pressure drop

General features: ARGUS SVK-1H-ISO-A quick release couplings are used for quick coupling and uncoupling of loaded lines. It is formed by the coupling plug and the coupling socket, is coupled by pushing on a sleeve. This guarantees a flush connection between the two coupling halves. The sleeve is designed so that it has only to be moved in the relevant direction for disconnecting or connecting of coupling halves. SVK-1H-ISO-A quick release couplings can be used as pull-off couplings by panel mounting the sleeve bush.

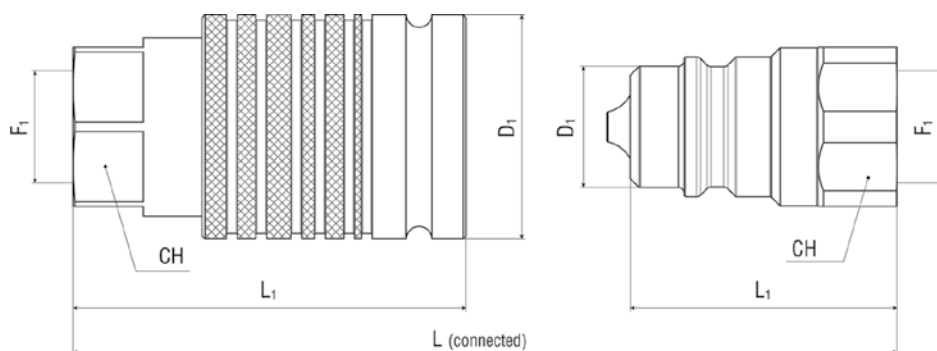
Valve: Poppet

Norm: ISO 7241 A - ISO 5675 - SAE J 1036

Thread Standard: BSPP connection according to DIN 3852-2-X

Temperature range: -30 °C +125 °C

Working Pressure: to max 400 bar



STANDARD ISO 7241 A PUSH PULL - POPPET SVK-1H-ISO-A

Female coupling - Female thread

Item Code	⌀		WP Conn.	BP Disconn.	Thread 1	F1	D1	CH	L1	L	
	Dash	mm									inch
1233831	04	6,0	1/4"	40,0	160,0	BSPP	1/4-19	25,0	19,0	46,5	64,10
1233832	06	10,0	3/8"	40,0	160,0	BSPP	3/8-19	32,0	22,0	55,5	75,20
1234559	08	13,0	1/2"	25,0	100,0	BSPP	1/2-14	38,0	27,0	63,5	86,70
1233833	12	19,0	3/4"	25,0	100,0	BSPP	3/4-14	45,0	35,0	80,0	105,90
1233834	16	25,0	1"	25,0	100,0	BSPP	1-11	52,0	40,0	94,5	121,40

// SPK-1H

POPPET STANDARD ISO 5675



- **Connectable with male part under pressure**
- **One-hand push pull operation**
- **Break-away function**
- **Low pressure drop**
- **Compatible with ISO 7241-1-A**

General features: connectable under pressure ARGUS SPK-1H quick release couplings are not only for coupling to hydraulic auxiliary equipment under residual pressure, but they also prevent from unintentional closing through the intervening backflow effect (i.e. through quickly reducing loads). The double valve stroke required for the coupling to a pressurized plug is limited in the operating condition by a lock, which is not disengaged until decoupling occurs. This prevents any uncontrolled blocking of the hydraulic flow. The sleeve must be relieved during the coupling action. The pressurized cartridge valve is opened by applying pressure on the socket side.

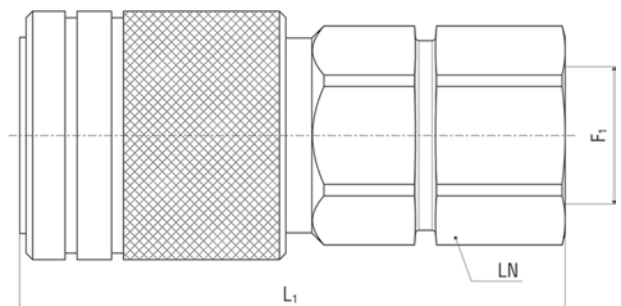
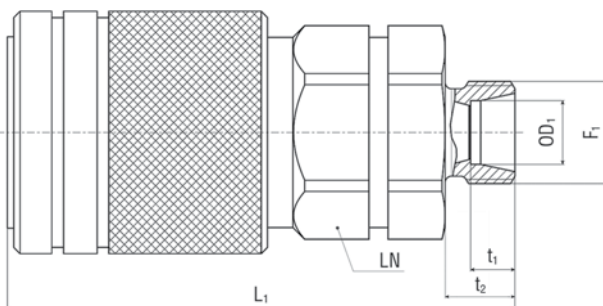
Valve: Push Pull

Norm: ISO 5675 - SAE J 1036

Thread Standard: Metric 24° connection according to DIN EN ISO 8434-1, 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.

Temperature range: -30 °C +125 °C

Working Pressure: 250 bar



STANDARD ISO 5675 - POPPET SPK-1H

Female coupling - Female thread

Item Code	⊗			WP Conn. MPa	Thread 1	F1	L1	LN
	Dash	mm	inch					
1231470	08	13,0	1/2"	25,0	BSPP	1/2-14	84,0	30,0
1231473	08	13,0	1/2"	25,0	MET	M22X1.5	84,0	30,0
1231471	08	13,0	1/2"	25,0	NPTF	1/2-14	84,0	30,0
1231472	08	13,0	1/2"	25,0	SAE-OB	3/4-16	84,0	30,0

Female coupling - Metric 24° light series

Item Code	⊗			WP Conn. MPa	Thread 1	F1	OD1	t1	t2	L1	LN
	Dash	mm	inch								
1229008	08	13,0	1/2"	25,0	D24L	M16X1.5	10	11,0	7,0	80,0	30,0
1229009	08	13,0	1/2"	25,0	D24L	M18X1.5	12	11,0	7,0	78,0	30,0
1229010	08	13,0	1/2"	25,0	D24L	M22X1.5	15	12,0	7,0	78,0	30,0

Dimensions shown may be changed without prior notice

// SRK-1H

POPPET RIGID PIPES ISO 5675



TOP COAT



PATENT PENDING

- Connectable with male part under pressure
- One-shot connection under pressure
- One-hand push pull operation
- Break-away function
- Compatible with ISO 7241-1-A

General features: connectable under pressure ARGUS SRK-1H quick release couplings are specifically designed to be directly connected to rigid pipes or distributors.

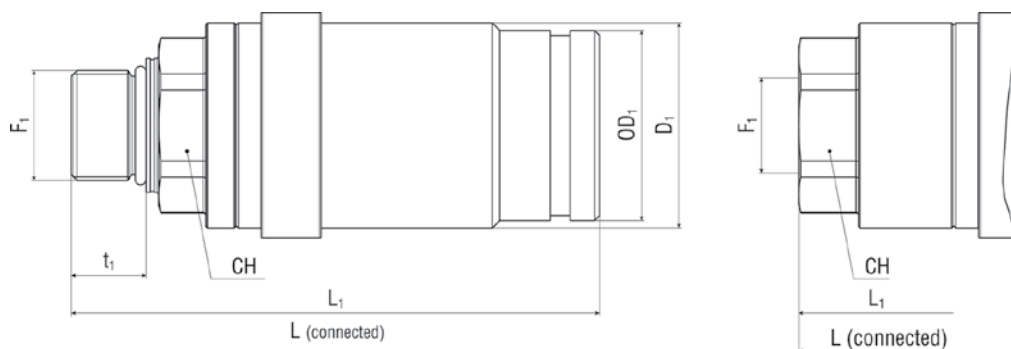
Valve: Push Pull

Norm: ISO 5675

Thread Standard: Metric connection according to ISO 6149-2 (DIN 3852), BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3.

Temperature range: -30 °C +125 °C

Working Pressure: 250 bar



STANDARD ISO 5675 - POPPET SRK-1H

Female coupling - Female thread

Item Code	⌀			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								
1235028	08	13,0	1/2"	25,0	100,0	BSPP	1/2-14	41,0	32,0	104,0	140,20
1235029	08	13,0	1/2"	25,0	100,0	NPTF	1/2-14	41,0	32,0	103,0	139,20

Female coupling - Male thread

Item Code	⌀			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	OD1 mm	D1 mm	t1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch										
1232324	08	13,0	1/2"	25,0	100,0	D24L	M22X1.5	38	41,0	15,0	32,0	106,0	142,20
1234641	08	13,0	1/2"	25,0	100,0	D24L	M18X1.5	38	41,0	14,0	32,0	105,0	141,20
1239799	08	13,0	1/2"	25,0	100,0	MET	M18X1.5	38	41,0	14,0	32,0	105,0	141,20

// MULTI-K

MULTI-COUPLING



TOP COAT



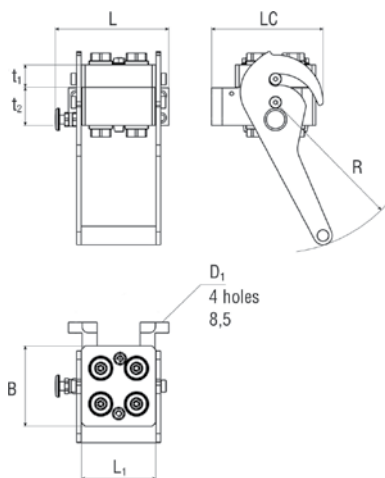
PATENT PENDING

- **Tailor-made according to customer's needs**
- **Compact, reliable and safe**

General features: ARGUS multi-couplings, which consist of a fixed and a mobile part, are developed following the specific needs of the user. The multi-connection plates are obtained from an anodized aluminium block as standard, and include the locations for flat-face couplings built of carbon steel with TOP COAT surface protection, but every component can be manufactured in different materials on request. The number of lines and possible electric or pneumatic connections can be defined depending on the application requirements. Connecting and disconnecting are carried out by means of a camleverage group with guiding pins, and a safety device is always present. Hose connections can be executed with threads of every type (e.g. BSP, NPT, SAE, metric) or also with the quick connect system "Plug-In Connector".

Working Pressure: 250 bar

Note: electric connection also available



MULTI-K 4x3/8"Q AND MULTI-K 4x1/2"Q

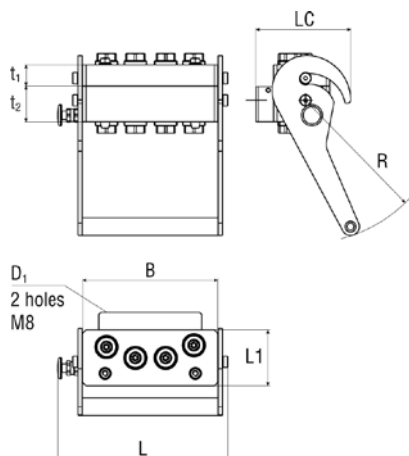
Mobile male - Female thread

Item Code				WP Conn. MPa	Thread 1	F1	Lines	t1	t2	LC	L1	L	B	R
	Dash	mm	inch					mm	mm					
1232494	06	10,0	3/8"	100,0	BSP	3/8-19	4x3/8	30,0	-	150,0	100,0	153,00	108,0	203
1232496	08	13,0	1/2"	100,0	BSP	1/2-14	4x1/2	30,0	-	150,0	100,0	153,00	108,0	203

Fixed female - Female thread

Item Code				WP Conn. MPa	Thread 1	F1	Lines	t1	t2	LC	L1	L	B	R
	Dash	mm	inch					mm	mm					
1232495	06	10,0	3/8"	100,0	BSP	3/8-19	4x3/8	-	51,0	150,0	100,0	153,00	108,0	203
1232497	08	13,0	1/2"	100,0	BSP	1/2-14	4x1/2	-	51,0	150,0	100,0	153,00	108,0	203

Dimensions shown may be changed without prior notice



MULTI-K 4x3/8" AND MULTI-K 4x1/2"

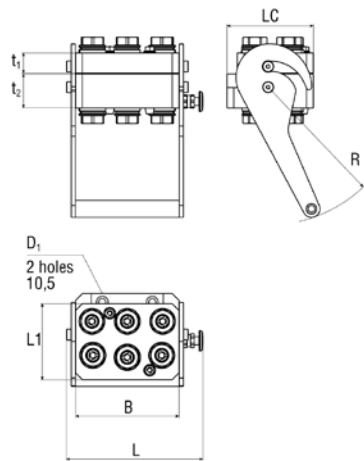
Mobile male - Female thread

Item Code				WP Conn. MPa	Thread 1	F1	Lines	t1	t2	LC	L1	L	B	R
	Dash	mm	inch					mm	mm					
1232311	06	10,0	3/8"	100,0	BSPP	3/8-19	4x3/8	30,0	-	134,0	79,6	241,00	192,0	203
1232498	08	13,0	1/2"	100,0	BSPP	1/2-14	4x1/2	30,0	-	134,0	79,6	241,00	192,0	203

Fixed female - Female thread

Item Code				WP Conn. MPa	Thread 1	F1	Lines	t1	t2	LC	L1	L	B	R
	Dash	mm	inch					mm	mm					
1232190	06	10,0	3/8"	100,0	BSPP	3/8-19	4x3/8	-	51,0	134,0	79,6	241,00	192,0	203
1233704	08	13,0	1/2"	100,0	BSPP	1/2-14	4x1/2	-	51,0	134,0	85,0	241,00	192,0	203

Dimensions shown may be changed without prior notice



MULTI-K 6x3/8" AND MULTI-K 6x1/2"

Mobile male - Female thread

Item Code	⊕			WP Conn. MPa	Thread 1	F1	Lines	t1	t2	LC	L1	L	B	R
	Dash	mm	inch					mm	mm					
1232502	06	10,0	3/8"	100,0	BSPP	3/8-19	6x3/8	30,0	-	127,0	112,0	201,00	152,0	203
1232504	08	13,0	1/2"	100,0	BSPP	1/2-14	6x1/2	30,0	-	127,0	112,0	201,00	152,0	203

Fixed female - Female thread

Item Code	⊕			WP Conn. MPa	Thread 1	F1	Lines	t1	t2	LC	L1	L	B	R
	Dash	mm	inch					mm	mm					
1232503	06	10,0	3/8"	100,0	BSPP	3/8-19	6x3/8	-	50,0	127,0	112,0	201,00	152,0	203
1232505	08	13,0	1/2"	100,0	BSPP	1/2-14	6x1/2	-	50,0	127,0	112,0	201,00	152,0	203

Dimensions shown may be changed without prior notice

// RV

NON RETURN VALVE



TOP COAT



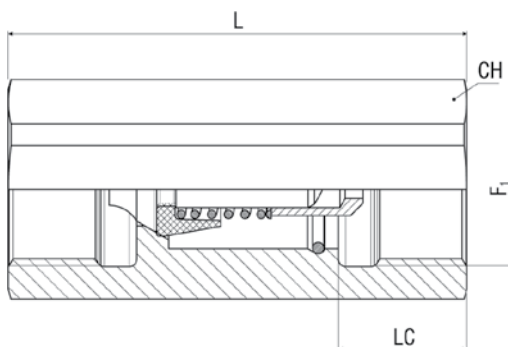
- One-piece housing
- Low pressure drop

General features: non return valves enable a flow in one direction and block it in the opposite direction. They therefore belong to the group of check valves (DIN 24300). ARGUS non return valves guarantee an extremely low-resistant flow through their streamlined internal parts. The valves are sealed by spring-hydraulic poppets and washer. Stroke limitation ensures free outlet opening. Depending on opening pressure, they can also be used as a suction and safety valve.

Thread Standard: BSPP connection according to DIN 3852-2-X

Temperature range: -30 °C +125 °C

Working Pressure: to max 400 bar



NON RETURN VALVE - RV

Female thread

Item Code				WP bar	Opening press. bar	Thread 1P	F1 mm	CH mm	LC mm	L mm
	Dash	mm	in							
1232166	04	6	1/4"	400	0,50	BSPP	1/4-19	19,0	14,0	50,0
1232156	04	6	1/4"	400	2,00	BSPP	1/4-19	19,0	14,0	50,0
1232157	04	6	1/4"	400	4,00	BSPP	1/4-19	19,0	14,0	50,0
1219731	06	10	3/8"	400	0,50	BSPP	3/8-19	22,0	14,0	50,0
1232158	06	10	3/8"	400	2,00	BSPP	3/8-19	22,0	14,0	50,0
1232159	06	10	3/8"	400	4,00	BSPP	3/8-19	22,0	14,0	50,0
1219730	08	13	1/2"	315	0,50	BSPP	1/2-14	27,0	16,0	57,0
1232160	08	13	1/2"	315	2,00	BSPP	1/2-14	27,0	16,0	57,0
1232161	08	13	1/2"	315	4,00	BSPP	1/2-14	27,0	16,0	57,0
1232167	12	19	3/4"	250	0,50	BSPP	3/4-14	36,0	16,0	65,0
1232162	12	19	3/4"	250	2,00	BSPP	3/4-14	36,0	16,0	65,0
1232163	12	19	3/4"	250	4,00	BSPP	3/4-14	36,0	16,0	65,0
1228917	16	25	1"	250	0,50	BSPP	1-11	41,0	18,0	73,0
1232164	16	25	1"	250	2,00	BSPP	1-11	41,0	18,0	73,0
1232165	16	25	1"	250	4,00	BSPP	1-11	41,0	18,0	73,0

// AGRICULTURE**// INDUSTRIAL HOSE****// IRRIGATION & MANURING**

286EE	Water discharge - PVC - Lay flat - Standard duty.....	8
288HH	Water discharge - PVC - Lay flat - Heavy duty.....	8
253AA	Water discharge 10 bar (150 psi) - Lay flat.....	9
254AA	Air-water delivery 10 bar (150 psi).....	9
256AA	Water-irrigation 18 bar (270 psi) - Heavy duty.....	10
202AA	General purpose S&D 10 bar (150 psi) - EPDM.....	10
221AA	Water-slurry S&D - Corrugated - Soft ends.....	11
2P1AA	Water-slurry S&D - Square corrugated - Extra flexible.....	11
264GL	Water S&D - PVC - Light duty.....	12
266GL	Water S&D - PVC - Standard duty.....	12
266KL	Water S&D - PVC - Standard duty.....	13
466OL	General purpose S&D - PVC - Standard duty.....	13
266OL	Water S&D - PVC - Standard duty - Super elastic.....	14
265TH	Water-slurry S&D - PVC - Standard duty - Super elastic.....	14
267BE	Water-slurry S&D - PVC - Medium duty - Super elastic.....	15
269BA	Water-slurry S&D - PVC/NBR - Medium duty - Superior flexibility.....	15
268BL	Water-abrasive slurry S&D - PVC - Heavy duty.....	16

// CROP SPRAYING

591AE	Crop spraying 40 bar (600 psi) - PVC.....	17
593AK	Crop spraying 80 bar (1200 psi) - PVC.....	17

// AIR SEEDER

161BL	Air ducting.....	18
2660A	Air seeder - PVC.....	18
702AA	Air seeder.....	18

// INDUSTRIAL FITTINGS**// TYPE B - BAUER COMPATIBLE**

Male with closure lever - Hose shank - Plated steel.....	19
Female - Hose shank complete with seal - Plated steel.....	19

// TYPE C - CARDAN/PERROT COMPATIBLE

Male - Hose shank - Plated steel.....	20
Female with closure lever - Hose shank complete with seal - Plated steel.....	20

// TYPE 42

Male - Hose shank - Plated steel.....	21
Female with closure lever complete with seal - Hose shank - Plated steel.....	21

// SYMMETRIC GUILLEMIN NF E.29.572

Serrated hose shank - with locking ring complete with seal - Aluminium.....	22
Serrated hose shank with collar - with locking ring complete with seal - Aluminium.....	22

// STORZ

Suction & delivery hose shank complete with seal - Aluminium.....	23
---	----

// CAM & GROOVE MILL A-A-59326A / MIL C-27487

Type C - Coupler, hose shank - Aluminium.....	24
Type E - Adapter, hose shank - Aluminium.....	24

// COMBINATION NIPPLE FOR CLAMPING

BSPT Male - Hose shank for clamping - Plated steel.....	25
NPT Male - Hose shank for clamping - Plated steel.....	25
Hose shank for clamping - Plated steel.....	26

// ALFACRIMP COMBINATION NIPPLE

BSPT Male complete with pre-crimped ferrule - Plated steel.....	27
NPT Male complete with pre-crimped ferrule - Plated steel.....	27

// FIXED FLANGED COUPLING

Fixed Flange - Plate RF - PN 10/16 - Serrated hose shank with pre-crimped ferrule - Plated steel.....	28
Fixed Flange - Plate RF - PN 10/16 - Serrated hose shank with collar - Plated steel.....	28
Fixed Flange - Slip On RF - ASA 150 - Serrated hose shank with pre-crimped ferrule - Plated steel.....	29
Fixed Flange - Slip On RF - ASA 150 - Serrated hose shank with collar - Plated steel.....	29

// SWIVEL FLANGED COUPLING

Swivel Flange - Plate FF - PN 10/16 - Serrated hose shank with pre-crimped ferrule - Plated steel.....	30
Swivel Flange - Plate FF - PN 10/16 - Serrated hose shank with collar - Plated steel.....	30
Swivel Flange - Lap Joint FF - ASA 150 - Serrated hose shank with pre-crimped ferrule - Plated steel.....	31
Swivel Flange - Lap Joint FF - ASA 150 - Serrated hose shank with collar - Plated steel.....	31

// CLAMPS & FERRULES**// BAND-IT SYSTEM**

Banding tool - Plated steel.....	32
Banding bands - Stainless steel 304.....	32
Banding buckles - Stainless steel 304.....	32

// WORM GEAR CLAMP

Clamp - 1 bolt - DIN 3017 - W1 (Plated steel).....	33
--	----

// SUPERCLAMP

Clamp - 1 bolt - W1 (Plated steel).....	34
---	----

// PW-CLAMP

Clamp - 1 bolt - W1 (Plated steel).....	35
Clamp - 2 bolts - W1 (Plated steel).....	35

// FERRULES

Smooth ferrule - Aluminium.....	36
Serrated ferrule - Plated steel.....	36

// LIQUID FOOD**// INDUSTRIAL HOSE****// MILK**

400LE	Multi food S&D 10 bar (150 psi).....	40
412LE	Milk tanker 10 bar (150 psi) - Hard wall.....	40
418LE	Milk tanker 10 bar (150 psi) - Hard wall - Crush resistant.....	41

// FAT FOOD

455LE	Fat food delivery 10 bar (150 psi).....	42
405LE	Fat food S&D 10 bar (150 psi).....	42
400LE	Multi food S&D 10 bar (150 psi).....	43

// ALCOHOLIC BEVERAGES

4680H	Liquid food S&D - PVC - Heavy duty	44
452LH	Liquid food delivery 10 bar (150 psi)	44
402LH	Liquid food S&D 10 bar (150 psi).....	45
400LE	Multi food S&D 10 bar (150 psi)	45
410LL	Alcoholic beverages S&D 16 bar (240 psi) - Crush resistant	46

// INDUSTRIAL FITTINGS**// SMS 1145**

Male - Serrated hose shank with collar - complete with seal - Stainless steel 316.....	47
Female - Serrated hose shank with collar - Stainless steel 316.....	47

// DIN 11851

Male - EN 14 420-2 / DIN 2817 hose shank complete with seal - Stainless steel 316	48
Female - EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316	48
Male - Serrated hose shank complete with seal - Stainless steel 316	49
Female with round nut - Serrated hose shank - Stainless steel 316	49

// MACON

Male - Serrated hose shank with collar - Stainless steel 316	49
Female with round nut - Serrated hose shank with collar complete with seal - Stainless steel 316	49

// SYMMETRIC GUILLEMIN NF E.29.572

Serrated hose shank - with locking ring complete with seal - Stainless steel 316	50
Serrated hose shank with collar - with locking ring complete with seal - Stainless steel 316	50

// CAM & GROOVE MILL A-A-59326A / MIL C-27487

Type C - Coupler, hose shank - Stainless steel 316	51
Type E - Adapter, hose shank - Stainless steel 316	51

// CAM & GROOVE EN 14 420-7 / DIN 2828

Type CC - Coupler, EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316.....	52
Type EE - Adapter, EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316	52

// EN 14 420-5 / DIN 2817

BSPP Male - EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316.....	53
BSPP Female with swivel nut - EN 14 420-2 / DIN 2817 hose shank - Stainless steel 316	53

// TANKWAGEN EN 14 420-6 / DIN 28 450

Type VK - Male part - BSPP Female - Stainless steel 316	54
Type MK - Female part complete with locking handle and seal - BSPP Female - Stainless steel 316	54

// CLAMPS & FERRULES**// BAND-IT SYSTEM**

Banding tool - Plated steel	55
Banding bands - Stainless steel 304	55
Banding buckles - Stainless steel 304	55

// WORM GEAR CLAMP

Clamp - 1 bolt - DIN 3017 - W5 (Stainless steel 316)	56
--	----

// SUPERCLAMP

Clamp - 1 bolt - W4 (Stainless steel 304)	57
---	----

// PW-CLAMP

Clamp - 1 bolt - W5 (Stainless steel 316)	58
Clamp - 2 bolts - W5 (Stainless steel 316)	58

// SAFETY CLAMPS EN 14 420-3 / DIN 2817

Safety clamps - Aluminium	59
Safety clamps - Stainless steel 316	59

// SAFETY CLAMPS FLEXOLINE

Safety clamps - Aluminium	60
---------------------------------	----

// FERRULES

Smooth ferrule - Stainless steel 304	60
Serrated ferrule - for hygienic coupling - Stainless steel 304	61
Serrated ferrule - Stainless steel 316	61

// WASH DOWN**// INDUSTRIAL HOSE**

395BT	Hot water wash down 50 bar (750 psi)	64
350LE	Steam 6 bar (90 psi) - Hot water 15 bar (225 psi)	64
350LL	Steam 6 bar (90 psi) - Hot water 15 bar (225 psi)	65

// INDUSTRIAL FITTINGS**// GROUND JOINT SEAL**

BSPT Male - Serrated hose shank with safety collar - Plated steel	66
BSPT Male - Serrated hose shank with safety collar - Malleable iron	66
NPT Male - Serrated hose shank with safety collar - Malleable iron	66
BSPP Female complete with wing nut and seal - Serrated hose shank with collar - Malleable iron	67
NPT Female complete with wing nut and seal - Serrated hose shank with collar - Malleable iron	67
Clamps - 4 bolt - 2 gripping finger type - Malleable iron	67
Clamps - 6 bolt - 3 gripping finger type - Malleable iron	67

// GENERAL PURPOSE**// INDUSTRIAL HOSE**

49000	General purpose tubing - PVC	70
49200	General purpose food quality - PVC	70
47200	General purpose food quality S&D - PVC	71

// INDUSTRIAL FITTINGS**// TYPE GK CLAW COUPLING**

Hose shank complete with seal - Brass	72
---	----

// POWER TRANSMISSION

// HYDRAULIC HOSE

// TEXTILE BRAID

ARGUS 1TE/R6 (HF).....	74
------------------------	----

// WIRE BRAID

FLEXOPAK 1SC	75
FLEXOR 1SN/R1AT	75
FLEXOPAK 2SC (HF)	76
FLEXOR 2SN/R2AT	76
FLEXOPAK 2 - MINETUFF	77
ALFAFOREST	77

// ALFABIOTECH

ALFABIOTECH 4000 - MINETUFF	78
ALFABIOTECH 5000 - MINETUFF	78
ALFABIOTECH 5000 PLUS - MINETUFF	79
ALFABIOTECH 6000 - MINETUFF	79

// PRESSURE WASH

ALFAJET 210	80
ALFAJET 400	80

// STANDARD HYDRAULIC FITTINGS

// FERRULES

H1100104	Skive Ferrule	81
H1100SK1	Skive Ferrule	81
H1200AD2	No-skive Ferrule	81
H1100404	Skive Ferrule	81
H1200AD1	No-skive Ferrule	81

// BSP INSERTS

H1210510	BSPP Male 60° Flare AGR	82
H1210610	BSPP Male Flat Seat AGR FD	82
H1220813	BSPP Female 60° Cone with O-Ring DKOR	83
H1220843	45° BSPP Female 60° Cone with O-Ring DKOR 45 Solid one piece	83
H1220893	90° BSPP Female 60° Cone with O-Ring DKOR 90 Solid one piece	84
H1220581	90° Compact BSPP Female 60° Cone DKR 90	84
H1230310	BSPP Banjo RNR	85
H10V0210	BSPP Bolt	85

// DIN METRIC INSERTS

H1211110	Metric Male 24° Seat - Light DIN 3853 - CEL	86
H1221513	Metric Female 24° Cone with O-Ring - Light DIN 3865 - DKOL	86
H1221543	45° Metric Female 24° Cone with O-Ring - Light DIN 3865 - DKOL 45 Solid one piece	87
H1221593	90° Metric Female 24° Cone with O-Ring - Light DIN 3865 - DKOL 90 Solid one piece	87
H1211210	Metric Male 24° Seat - Heavy DIN 3853 - CES	88
H1221613	Metric Female 24° Cone with O-Ring - Heavy DIN 3865 - DKOS	88
H1221643	45° Metric Female 24° Cone with O-Ring - Heavy DIN 3865 - DKOS 45 Solid one piece	89
H1221693	90° Metric Female 24° Cone with O-Ring - Heavy DIN 3865 - DKOS 90 Solid one piece	89
H1221013	Metric Female 60° Cone - DIN 3863	90
H1221093	90° Metric Female 60° Cone - DIN 3863 Solid one piece	90
H1230910	Metric Banjo RNM	91

// SAE INSERTS

H1226611	SAE Female Swivel 45° Seat	92
H1213010	SAE Male Solid O-Ring Boss	92
H1213011	SAE Male Swivel O-Ring Boss	92

// JIC 37° INSERTS

H1212510	JIC Male 37° Cone AGJ	93
H1222511	JIC Female 37° Seat DKJ	94
H1222541-M	45° JIC Female 37° Seat - Medium Drop DKJ 45M Solid one piece.....	94
H1222591-M	90° JIC Female 37° Seat - Medium Drop DKJ 90M Solid one piece.....	95

// NPTF INSERTS

H1212810	NPTF Male 60° Seat AGN	96
H1212811	NPTF Male Swivel 60° Seat.....	97
H1212881	90° Compact NPTF Male Swivel 60° Seat	97

// NPSM INSERTS

H1227311	NPSM Female	98
----------	-------------------	----

// ORFS INSERTS

H1212410	ORFS Male	99
H1222411	ORFS Female with Stem Hexagon	99
H1222443-M	45° ORFS Female - Medium Drop DK ORFS 45M Solid one piece	100
H1222493-M	90° ORFS Female - Medium Drop DK ORFS 90M Solid one piece	100

// FRENCH INSERTS

H1211810	Metric Male French Type	101
H1221813	Metric Female French Type	101
H1221893	90° Metric Female French type	101

// JIS INSERTS

H1223711	JIS Female 60° Cone - B 8363 (type C)	102
H122381Z	JIS Female 60° Seat Flare - B 8363 (type F).....	102
H122389Z	90° JIS Female 60° Seat Flare - B 8363 (type F)	102

// SAE FLANGES

H1243310	Flange SAE 3000 PSI J518 Code 61 - SFL.....	103
H1243320	22° Flange SAE 3000 PSI J518 Code 61 - SFL 22 Solid one piece	103
H1243330	30° Flange SAE 3000 PSI J518 Code 61 - SFL 30 Solid one piece	104
H1243340	45° Flange SAE 3000 PSI J518 Code 61 - SFL 45 Solid one piece	104
H1243360	60° Flange SAE 3000 PSI J518 Code 61 - SFL 60 Solid one piece	105
H1243390	90° Flange SAE 3000 PSI J518 Code 61 - SFL 90 Solid one piece	105
H1243610	Flange SAE 6000 PSI J518 Code 62 - SFS	106
H1243640	45° Flange SAE 6000 PSI J518 Code 62 - SFS 45 Solid one piece	106
H1243690	90° Flange SAE 6000 PSI J518 Code 62 - SFS 90 Solid one piece	107
H10W3320	Split Flange Clamp 3000 PSI J518 Code 61 - FHL.....	107

// HYDRAULIC QUICK RELEASE AND VALVE

// SVK-ISO-A

STANDARD ISO 7241 A - POPPET SVK-ISO-A	Female coupling - Female thread.....	108
STANDARD ISO 7241 A - POPPET SVK-ISO-A	Male coupling - Female thread	108

// FSVK-ISO-B

STANDARD ISO 7241 B - POPPET SVK-ISO-B	Female coupling - Female thread.....	109
STANDARD ISO 7241 B - POPPET SVK-ISO-B	Male coupling - Female thread	109

// SNK

INDUSTRY STANDARD - POPPET SNK	Female coupling - Female thread.....	110
INDUSTRY STANDARD - POPPET SNK	Male coupling - Female thread	110

// SNKB

INDUSTRY STANDARD - BALL SNKB	Female coupling - Female thread.....	111
INDUSTRY STANDARD - BALL SNKB	Male coupling - Female thread	111

// SHK

HIFLOW TRUCK TYPE - POPPET SHK	Female coupling - Female thread.....	112
HIFLOW TRUCK TYPE - POPPET SHK	Male coupling - Female thread	112
HIFLOW TRUCK TYPE PRESSURE ELIMINATION SYSTEM - POPPET SHK	Female coupling - Female thread.....	112
HIFLOW TRUCK TYPE PRESSURE ELIMINATION SYSTEM - POPPET SHK	Male coupling - Female thread	112

// SVK-1H-ISO -A

STANDARD ISO 7241 A PUSH PULL - POPPET SVK-1H-ISO-A	Female coupling - Female thread.....	113
---	--------------------------------------	-----

// SPK-1H

STANDARD ISO 5675 - POPPET SPK-1H	Female coupling - Female thread.....	114
STANDARD ISO 5675 - POPPET SPK-1H	Female coupling - Metric 24° light series.....	114

// SRK-1H

STANDARD ISO 5675 - POPPET SRK-1H	Female coupling - Female thread.....	115
STANDARD ISO 5675 - POPPET SRK-1H	Female coupling - Male thread	115

// MULTI-K

MULTI-K 4x3/8"Q AND MULTI-K 4x1/2"Q	Mobile male - Female thread	116
MULTI-K 4x3/8"Q AND MULTI-K 4x1/2"Q	Fixed female - Female thread	116
MULTI-K 4x3/8" AND MULTI-K 4x1/2"	Mobile male - Female thread	117
MULTI-K 4x3/8" AND MULTI-K 4x1/2"	Fixed female - Female thread	117
MULTI-K 6x3/8" AND MULTI-K 6x1/2"	Mobile male - Female thread	118
MULTI-K 6x3/8" AND MULTI-K 6x1/2"	Fixed female - Female thread	118

// RV

NON RETURN VALVE - RV	Female thread	119
-----------------------	---------------------	-----

// NOTES

A series of horizontal dotted lines for writing notes, spanning the width of the page.



HEADQUARTER

Alfagomma SpA

Via Torri Bianche 1

20871 Vimercate (MB) Italy

marketing@alfagomma.com

www.alfagomma.com