



# AGRICULTURE



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Minimum Bend Radius =  
2 x Internal Diameter



Electrical resistance along  
the conductive layers  
10<sup>6</sup> /length



Phthalate Free



Minimum Bend Radius =  
3 x Internal Diameter



2004/1935 EC  
2006/2023 EC



IANESCO approved

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# AGRICULTURE APPLICATIONS

- // IRRIGATION
- // CROP SPRAYING
- // AIR SEEDER

- // MILK
- // WASH DOWN
- // OLIVE OIL

- // WINE
- // GENERAL PURPOSE



Dimensions shown may be changed without prior notice

## // IRRIGATION

## // 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

// 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"	78,00	3,07	10	150	30	450				1,200	0,81
76,0	3"	84,00	3,31	10	150	30	450				1,290	0,87
90,0	3 1/2"	98,00	3,86	10	150	30	450				1,490	1,01
102,0	4"	110,00	4,33	10	150	30	450				1,780	1,20
127,0	5"	137,00	5,39	10	150	30	450				2,420	1,63
152,0	6"	162,00	6,38	10	150	30	450				2,990	2,01
168,0	6 5/8"	178,00	7,01	10	150	30	450				3,250	2,19
203,0	8"	215,00	8,46	10	150	20	300				4,310	2,90
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

// 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

Dimensions shown may be changed without prior notice

## // 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

## // 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



// 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

## // 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

// 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

Dimensions shown may be changed without prior notice

## // 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	

# // 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



Dimensions shown may be changed without prior notice

## // AIR SEEDER

## // 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	1,030	0,70
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	2,460	1,66
76,0	3"	89,00	3,50	10	150	30	450	304,0	11,97	90	2,730	1,84

# // MILK

## // 412LE



IANESCO



### 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	228,0	8,98	90	2,420	1,63
102,0	4"	116,00	4,57	10	150	30	450	306,0	12,05	90	3,630	2,44

## // 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

Dimensions shown may be changed without prior notice

## // 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 50 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	

# // OLIVE OIL

## // 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

## // WINE

## // 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

// 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

Dimensions shown may be changed without prior notice

# // 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

// 47200



**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"	26,00	1,02	6	90	18	270	72,0	2,83	85	0,300	0,21	
20,0	13/16"	28,00	1,10	5	75	15	225	80,0	3,15	85	0,330	0,23	
22,0	7/8"	30,00	1,18	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"	45,00	1,77	4	60	12	180	140,0	5,51	85	0,785	0,53	
38,0	1 1/2"	48,00	1,89	4	60	12	180	152,0	5,98	85	0,810	0,55	
40,0	1 9/16"	50,00	1,97	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	



Dimensions shown may be changed without prior notice

## // AGRICULTURE

## // TYPE B - BAUER COMPATIBLE

Male with closure lever - Hose shank

Item Code	Part Number	Hose ID in	Hose ID mm	Coupling size mm	Material
2301799	I119B100-050050	2	50	50	PLATED STEEL
2302221	I119B100-076076	3	76	76	PLATED STEEL
2301800	I119B100-076089	3	76	89	PLATED STEEL
2301801	I119B100-102108	4	102	108	PLATED STEEL
2302268	I119B100-125133	5	125	133	PLATED STEEL
2301802	I119B100-152159	6	152	159	PLATED STEEL
2302269	I119B100-203194	8	203	194	PLATED STEEL



## // TYPE B - BAUER COMPATIBLE

Female - Hose shank - Complete with seal

Item Code	Part Number	Hose ID in	Hose ID mm	Coupling size mm	Material
2301803	I119B200-050050	2	50	50	PLATED STEEL
2302222	I119B200-076076	3	76	76	PLATED STEEL
2301804	I119B200-076089	3	76	89	PLATED STEEL
2301805	I119B200-102108	4	102	108	PLATED STEEL
2302270	I119B200-125133	5	125	133	PLATED STEEL
2301806	I119B200-152159	6	152	159	PLATED STEEL
2302271	I119B200-203194	8	203	194	PLATED STEEL



## // TYPE C - CARDAN/PERROT COMPATIBLE

Male - Hose shank

Item Code	Part Number	Hose ID in	Hose ID mm	Coupling size mm	Material
2302272	I119P100-050050	2	50	50	PLATED STEEL
2306770	I119P100-063070	2 1/2	63	70	PLATED STEEL
2302273	I119P100-076070	3	76	70	PLATED STEEL
2306072	I119P100-076089	3	76	89	PLATED STEEL
2301791	I119P100-102108	4	102	108	PLATED STEEL
2301792	I119P100-125133	5	125	133	PLATED STEEL
2302275	I119P100-152159	6	152	159	PLATED STEEL



## // TYPE C - CARDAN/PERROT COMPATIBLE

Female with closure lever - Hose shank - Complete with seal

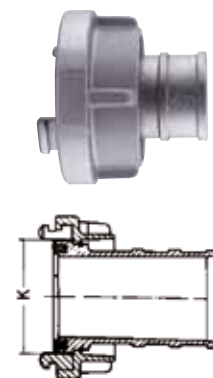
Item Code	Part Number	Hose ID in	Hose ID mm	Coupling size mm	Material
2302276	I119P200-050050	2	50	50	PLATED STEEL
2306771	I119P200-063070	2 1/2	63	70	PLATED STEEL
2302277	I119P200-076070	3	76	70	PLATED STEEL
2306071	I119P200-076089	3	76	89	PLATED STEEL
2306128	I119P200-090089	3 1/2	90	89	PLATED STEEL
2301793	I119P200-102108	4	102	108	PLATED STEEL
2301794	I119P200-125133	5	125	133	PLATED STEEL
2302279	I119P200-152159	6	152	159	PLATED STEEL



**// STORZ**

**Suction & delivery hose shank - Complete with seal**

Item Code	Part Number	Hose ID mm	Head DN mm	K mm	Material
2306056	I519Z300-019025	19	25 - D - DS	31	ALUMINIUM
2305397	I519Z300-025025	25	25 - D - DS	31	ALUMINIUM
2306058	I519Z300-025052	25	52 - C - DS	66	ALUMINIUM
2302681	I519Z300-032032	32	32 - DS	44	ALUMINIUM
2306057	I519Z300-032052	32	52 - C - DS	66	ALUMINIUM
2302682	I519Z300-038038	38	38 - DS	51	ALUMINIUM
2305089	I519Z300-038052	38	52 - C - DS	66	ALUMINIUM
2303000	I519Z300-045052	45	52 - C	66	ALUMINIUM
2301825	I519Z300-051052	51	52 - C - DS	66	ALUMINIUM
2306193	I519Z300-063075	63	75 - B - DS	89	ALUMINIUM
2301764	I519Z300-076075	76	75 - B - DS	89	ALUMINIUM
2302684	I519Z300-102100	102	100 - DS	115	ALUMINIUM
2305301	I519Z300-102110	102	110 - A - DS	133	ALUMINIUM
2300647	I519Z300-110110	110	110 - A-DS	133	ALUMINIUM
2306192	I519Z300-125125	127	125 - DS	148	ALUMINIUM
2306059	I519Z300-150150	152	150 - DS	160	ALUMINIUM



**// COMBINATION NIPPLE**

**Male BSPT - Hose shank for clamps**

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



Combination nipple in S/S available on request

**// COMBINATION NIPPLE**

**Hose mender - Hose shank for clamps**

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



Dimensions shown may be changed without prior notice

## // MILK, OLIVE OIL &amp; WINE

## // DIN 11851

**Male - Serrated hose shank - Complete with seal**

Item Code	Part Number	Hose ID in	Hose ID mm	Head DN mm	Thread Type	Material
2302561	I389Q100-025025	1	25	25	52 x 1/6	S/S 316
2302562	I389Q100-032032	1 1/4	32	32	58 x 1/6	S/S 316
2302563	I389Q100-038040	1 1/2	38	40	65 x 1/6	S/S 316
2301713	I389Q100-051050	2	51	50	78 x 1/6	S/S 316
2301642	I389Q100-063065	2 1/2	63	65	95 x 1/6	S/S 316
2301643	I389Q100-076080	3	76	80	110 x 1/4	S/S 316
2302564	I389Q100-102100	4	102	100	130 x 1/4	S/S 316



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INDUSTRIAL FITTINGS

## // DIN 11851

**Female with round Nut - Serrated hose shank**

Item Code	Part Number	Hose ID in	Hose ID mm	Head DN mm	Thread Type	Material
2301816	I389Q200-025025	1	25	25	52 x 1/6	S/S 316
2302565	I389Q200-032032	1 1/4	32	32	58 x 1/6	S/S 316
2301741	I389Q200-038040	1 1/2	38	40	65 x 1/6	S/S 316
2301639	I389Q200-051050	2	51	50	78 x 1/6	S/S 316
2301640	I389Q200-063065	2 1/2	63	65	95 x 1/6	S/S 316
2301641	I389Q200-076080	3	76	80	110 x 1/4	S/S 316
2302566	I389Q200-102100	4	102	100	130 x 1/4	S/S 316



## // CAM &amp; GROOVE MIL A-A-59326A / MIL C - 27.487

## Type C - Coupler, hose shank

Item Code	Part Number	Hose ID in	Hose ID mm	Head DN in	Head DN mm	Material
2303244	I319C200-013013	1/2	13	1/2	13	S/S 316
2301866	I319C200-019019	3/4	19	3/4	19	S/S 316
2300620	I319C200-025025	1	25	1	25	S/S 316
2300621	I319C200-032032	1 1/4	32	1 1/4	32	S/S 316
2301867	I319C200-038038	1 1/2	38	1 1/2	38	S/S 316
2302448	I319C200-051051	2	51	2	51	S/S 316
2301868	I319C200-063063	2 1/2	63	2 1/2	63	S/S 316
2301869	I319C200-076076	3	76	3	76	S/S 316
2301870	I319C200-102102	4	102	4	102	S/S 316
2303605	I319C200-127127	5	127	5	127	S/S 316
2302449	I319C200-152152	6	152	6	152	S/S 316



## // CAM &amp; GROOVE MIL A-A-59326A / MIL C - 27.487

## Type E - Adapter, hose shank

Item Code	Part Number	Hose ID in	Hose ID mm	Head DN in	Head DN mm	Material
2303250	I319C100-013013	1/2	13	1/2	13	S/S 316
2301927	I319C100-019019	3/4	19	3/4	19	S/S 316
2300618	I319C100-025025	1	25	1	25	S/S 316
2301929	I319C100-032032	1 1/4	32	1 1/4	32	S/S 316
2302443	I319C100-038038	1 1/2	38	1 1/2	28	S/S 316
2302444	I319C100-051051	2	51	2	51	S/S 316
2302445	I319C100-063063	2 1/2	63	2 1/2	63	S/S 316
2301931	I319C100-076076	3	76	3	76	S/S 316
2302446	I319C100-102102	4	102	4	102	S/S 316
2303683	I319C100-127127	5	127	5	127	S/S 316
2302447	I319C100-152152	6	152	6	152	S/S 316



Dimensions shown may be changed without prior notice

## // CLAMPS

## // WORM GEAR CLAMP

## Clamps - 1 bolt - DIN 3017

Item Code	Part Number	Hose OD min-MAX mm	Clamp width mm	Material
2304156		8-16	9	W1 (PLATED STEEL)
2304157		12-22	9	W1 (PLATED STEEL)
2304159		16-27	12	W1 (PLATED STEEL)
2304162		20-32	12	W1 (PLATED STEEL)
2304163		25-40	12	W1 (PLATED STEEL)
2304164		30-45	12	W1 (PLATED STEEL)
2304165		32-50	12	W1 (PLATED STEEL)
2304166		40-60	12	W1 (PLATED STEEL)
2304167		50-70	12	W1 (PLATED STEEL)
2304168		60-80	12	W1 (PLATED STEEL)
2304169		70-90	12	W1 (PLATED STEEL)
2304170		80-100	12	W1 (PLATED STEEL)
2304172		90-110	12	W1 (PLATED STEEL)
2304173		110-130	12	W1 (PLATED STEEL)
2304174		130-150	12	W1 (PLATED STEEL)
2306217		140-160	12	W1 (PLATED STEEL)
2304175		160-180	12	W1 (PLATED STEEL)
2304176		180-200	12	W1 (PLATED STEEL)
2304177		200-220	12	W1 (PLATED STEEL)
2304178		220-240	12	W1 (PLATED STEEL)



2304181		8-16	9	W5 (S/S 316)
2304182		12-22	9	W5 (S/S 316)
2304030		16-27	12	W5 (S/S 316)
2304032		20-32	12	W5 (S/S 316)
2304033		25-40	12	W5 (S/S 316)
2304034		30-45	12	W5 (S/S 316)
2304035		32-50	12	W5 (S/S 316)
2304036		40-60	12	W5 (S/S 316)
2304037		50-70	12	W5 (S/S 316)
2304038		60-80	12	W5 (S/S 316)
2304039		70-90	12	W5 (S/S 316)
2304040		80-100	12	W5 (S/S 316)
2304041		90-110	12	W5 (S/S 316)
2304042		110-130	12	W5 (S/S 316)
2304043		140-160	12	W5 (S/S 316)
2304044		160-180	12	W5 (S/S 316)
2304045		180-200	12	W5 (S/S 316)
2304046		200-220	12	W5 (S/S 316)
2304047		220-240	12	W5 (S/S 316)



## // SUPERCLAMP

## Single bolt superclamp

Item Code	Part Number	Hose OD min-MAX mm	Clamp width mm	Material
2303161	I1LP10-01918	17 - 19	18	W1 (PLATED STEEL)
2303162	I1LP10-02218	20 - 22	18	W1 (PLATED STEEL)
2303163	I1LP10-02518	23 - 25	18	W1 (PLATED STEEL)
2303164	I1LP10-02818	26 - 28	18	W1 (PLATED STEEL)
2302041	I1LP10-03121	29 - 31	20	W1 (PLATED STEEL)
2302042	I1LP10-03521	32 - 35	20	W1 (PLATED STEEL)
2302043	I1LP10-03921	36 - 39	20	W1 (PLATED STEEL)
2302044	I1LP10-04321	40 - 43	20	W1 (PLATED STEEL)
2302045	I1LP10-04721	44 - 47	22	W1 (PLATED STEEL)
2302046	I1LP10-05121	48 - 51	22	W1 (PLATED STEEL)
2302047	I1LP10-05521	52 - 55	22	W1 (PLATED STEEL)
2302048	I1LP10-05921	56 - 59	22	W1 (PLATED STEEL)
2302026	I1LP10-06321	60 - 63	22	W1 (PLATED STEEL)
2302027	I1LP10-06721	64 - 67	22	W1 (PLATED STEEL)
2302028	I1LP10-07324	68 - 73	24	W1 (PLATED STEEL)
2302029	I1LP10-07924	74 - 79	24	W1 (PLATED STEEL)
2302030	I1LP10-08524	80 - 85	24	W1 (PLATED STEEL)
2302031	I1LP10-09124	86 - 91	24	W1 (PLATED STEEL)
2302032	I1LP10-09724	92 - 97	24	W1 (PLATED STEEL)
2302033	I1LP10-10324	98 - 103	24	W1 (PLATED STEEL)
2302034	I1LP10-11224	104 - 112	24	W1 (PLATED STEEL)
2302035	I1LP10-12124	113 - 121	24	W1 (PLATED STEEL)
2302036	I1LP10-13026	122 - 130	24	W1 (PLATED STEEL)
2302037	I1LP10-13926	131 - 139	26	W1 (PLATED STEEL)
2302038	I1LP10-14826	140 - 148	26	W1 (PLATED STEEL)
2302039	I1LP10-16126	149 - 161	26	W1 (PLATED STEEL)
2302040	I1LP10-17426	162 - 174	26	W1 (PLATED STEEL)



2303165	I2LP10-01918	17 - 19	18	W4 (S/S 304)
2303166	I2LP10-02218	19 - 21	18	W4 (S/S 304)
2303167	I2LP10-02518	23 - 25	18	W4 (S/S 304)
2303168	I2LP10-02818	25 - 27	18	W4 (S/S 304)
2302402	I2LP10-03121	29 - 31	20	W4 (S/S 304)
2302049	I2LP10-03521	31 - 34	20	W4 (S/S 304)
2301826	I2LP10-03921	37 - 40	20	W4 (S/S 304)
2301760	I2LP10-04321	40 - 43	20	W4 (S/S 304)
2302403	I2LP10-04721	43 - 47	20	W4 (S/S 304)
2302050	I2LP10-05121	47 - 51	20	W4 (S/S 304)
2301761	I2LP10-05521	51 - 55	20	W4 (S/S 304)
2301762	I2LP10-05921	55 - 59	20	W4 (S/S 304)
2301763	I2LP10-06321	59 - 63	20	W4 (S/S 304)
2302404	I2LP10-06721	63 - 68	20	W4 (S/S 304)
2302405	I2LP10-07324	68 - 73	25	W4 (S/S 304)
2302234	I2LP10-07924	73 - 79	25	W4 (S/S 304)
2302406	I2LP10-08524	79 - 85	25	W4 (S/S 304)
2302051	I2LP10-09124	85 - 91	25	W4 (S/S 304)
2302407	I2LP10-09724	91 - 97	25	W4 (S/S 304)
2302408	I2LP10-10324	97 - 104	25	W4 (S/S 304)
2302409	I2LP10-11224	104 - 112	25	W4 (S/S 304)
2302411	I2LP10-12124	112 - 121	25	W4 (S/S 304)
2302412	I2LP10-13026	121 - 130	25	W4 (S/S 304)
2302413	I2LP10-13926	130 - 140	28	W4 (S/S 304)
2302414	I2LP10-14826	140 - 150	28	W4 (S/S 304)
2302415	I2LP10-16126	150 - 162	28	W4 (S/S 304)
2302416	I2LP10-17426	162 - 174	28	W4 (S/S 304)





Dimensions shown may be changed without prior notice

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

Item Code	Part Number	Hose ID mm	Hose OD min mm	Hose OD MAX mm	Material
2302729	I5LG4D-013023	13 x 5	22	24	ALUMINIUM
2302730	I5LG4D-019031	19 x 6	30	33	ALUMINIUM
2302731	I5LG4D-025037	25 x 6	36	39	ALUMINIUM
2302015	I5LG4D-032044	32 x 6	43	46	ALUMINIUM
2302016	I5LG4D-038051	38 x 6,5	50	52	ALUMINIUM
2304819	I5LG4D-038055	38 x 8	53	56	ALUMINIUM
2302017	I5LG4D-051066	50 x 8	64	67	ALUMINIUM
2304095	I5LG4D-051069	50 x 10	69	71	ALUMINIUM
2301675	I5LG4D-063080	63 x 7	78	82	ALUMINIUM
2302018	I5LG4D-076091	75 x 8	89	93	ALUMINIUM
2302732	I5LG4D-080096	75 x 10	94	97	ALUMINIUM
2304096	I5LG4D-076099	75 x 12	98	101	ALUMINIUM
2302019	I5LG4D-102117	100 x 8	114	119	ALUMINIUM
2304097	I5LG4D-100120	100 x 10	118	122	ALUMINIUM
2302233	I5LG4D-127146	125 x 10	143	148	ALUMINIUM
2302020	I5LG4D-152171	150 x 10	168	174	ALUMINIUM
2302021	I5LG4D-203226	200 x 12	222	229	ALUMINIUM
2304094	I3LG4D-019031	19 x 6	30	33	S/S 316
2302660	I3LG4D-025037	25 x 6	36	39	S/S 316
2302022	I3LG4D-032044	32 x 6	43	46	S/S 316
2302023	I3LG4D-038051	38 x 6,5	50	52	S/S 316
2302024	I3LG4D-051066	50 x 8	64	67	S/S 316
2301676	I3LG4D-063080	65 x 7	78	82	S/S 316
2301759	I3LG4D-076091	75 x 8	89	93	S/S 316
2302025	I3LG4D-102117	100 x 8	114	119	S/S 316



# HYDRAULIC APPLICATIONS

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



Dimensions shown may be changed without prior notice

## // 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)**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

## // 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)

**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

### // 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)

**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



Dimensions shown may be changed without prior notice

**// 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)

**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	0,300	0,21
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

**// 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)

**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	1,540	1,04
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

**// 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)

**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
1004173	48	76,0	3"	91,00	3,58	7,0	1000	28,0	4000	880,0	34,65	3,968	2,67
1001994	48	76,0	3"	90,00	3,54	7,0	1000	28,0	4000	880,0	34,65	3,850	2,59



Dimensions shown may be changed without prior notice

## // 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.

**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	0,180	0,13
1000185	05	8,0	5/16"	14,10	0,56	21,0	3000	84,0	12000	60,0	2,36	0,190	0,13
1000098	06	10,0	3/8"	15,60	0,61	21,0	3000	84,0	12000	65,0	2,56	0,274	0,19
1000166	08	13,0	1/2"	19,50	0,77	21,0	3000	84,0	12000	90,0	3,54	0,390	0,27

### // 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.

**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	160,0	23200	70,0	2,76	0,253	0,18
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	0,380	0,26
1000218	08	13,0	1/2"	20,10	0,79	40,0	5850	120,0	17450	115,0	4,53	0,492	0,34

# // 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)

**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	1,637	1,11
1002484	20	32,0	1 1/4"	45,70	1,80	28,0	4000	112,0	16000	260,0	10,24	2,264	1,53
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)

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

Item Code	Const.	↔			↔		↻		↻		⤴		⚖	
		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	2,521	1,70
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)

**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	1,324	0,89
1001713	16	25,0	1"	38,30	1,51	38,0	5500	152,0	22040	210,0	8,27	1,923	1,30

## // 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.

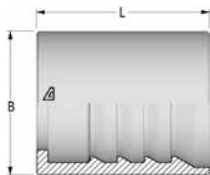
**Constant operation:** -40 °C +121 °C (-40 °F +250 °F)

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

Item Code	Const.	↔			↔		↻		↻		⤴		⚖	
		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	0,540	0,37
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	0,747	0,51
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	1,950	1,32
1002487	4WS	20	32,0	1 1/4"	46,10	1,81	42,0	6000	168,0	24000	445,0	17,52	2,920	1,97
1002485	6WS	20	32,0	1 1/4"	49,30	1,94	42,0	6000	168,0	24000	445,0	17,52	3,401	2,29
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

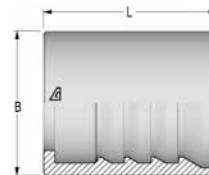
# // HYDRAULIC FERRULES

## // H1100104 Skive Ferrule



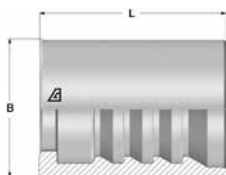
Item Code	ID		B mm	L mm
	Dash	mm		
1201545	20	31,0	50,0	43,8
1201546	24	38,0	57,0	49,2
1201547	32	51,0	71,0	63,7

## // H1100404 Skive Ferrule



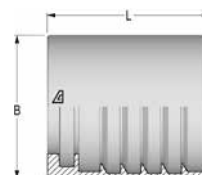
Item Code	ID		B mm	L mm
	Dash	mm		
1202719	04	6,0	22,0	26,3
1203253	06	10,0	25,0	28,5
1203266	08	13,0	29,0	34,7
1219132	10	16,0	33,0	37,5
1203368	12	19,0	37,0	41,5
1234701	16	25,0	45,0	47,7
1234766	20	31,0	55,0	54,5
1234767	24	38,0	67,0	61,1
1234768	32	51,0	82,0	75,1

## // H1100SK1 Skive Ferrule



Item Code	ID		B mm	L mm
	Dash	mm		
1233077	04	6,0	19,0	25,5
1233078	05	8,0	21,0	25,5
1233079	06	10,0	23,0	27,5
1233080	08	13,0	27,0	33,5
1233081	10	16,0	30,0	36,5
1233082	12	19,0	33,0	40,0
1233083	16	25,0	41,0	46,5

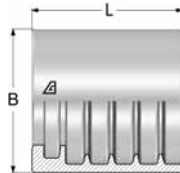
## // H1200204 No-skive Ferrule



Item Code	ID		B mm	L mm
	Dash	mm		
1216588	06	10,0	30,0	28,0
1216589	08	13,0	34,0	33,9
1216590	10	16,0	38,0	36,6
1203322	12	19,0	42,0	39,5
1203323	16	25,0	50,0	47,5
1216591	20	31,0	61,0	50,2

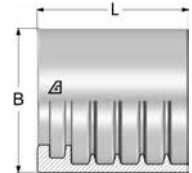
Dimensions shown may be changed without prior notice

**// H1200AD1**  
**No-skive Ferrule**



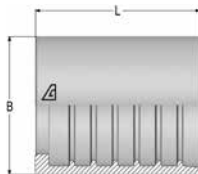
Item Code	ID		B	L
	Dash	mm		
1227977	03	5,0	19,0	24,0
1227978	04	6,0	22,0	24,7
1227979	05	8,0	23,0	24,7
1227980	06	10,0	26,0	29,7
1227981	08	13,0	29,0	30,5
1227983	10	16,0	32,0	30,5
1227985	12	19,0	36,0	36,0
1227986	16	25,0	44,0	36,7
1227987	20	31,0	53,0	48,6
1227988	24	38,0	61,0	48,6
1227989	32	51,0	75,0	48,6

**// H1200AD2**  
**No-skive Ferrule**



Item Code	ID		B	L
	Dash	mm		
1227990	03	5,0	21,0	21,5
1227991	04	6,0	23,0	24,7
1227992	05	8,0	25,0	24,7
1227993	06	10,0	27,0	29,7
1227994	08	13,0	30,0	30,5
1227995	10	16,0	33,0	30,5
1227996	12	19,0	37,0	36,0
1227997	16	25,0	45,0	36,7
1227998	20	31,0	56,0	48,6
1227999	24	38,0	64,0	48,5
1228000	32	51,0	78,0	48,6

**// H1200TPO**  
**No-skive Ferrule**

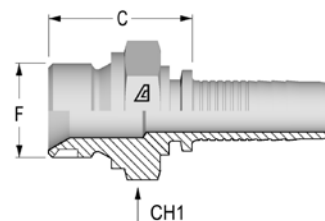


Item Code	ID		B	L
	Dash	mm		
1236581	03	5,0	21,0	21,5
1236582	04	6,0	23,0	24,7
1236583	05	8,0	25,0	24,7
1236584	06	10,0	27,0	29,7
1236585	08	13,0	30,0	30,5
1236586	10	16,0	34,0	35,5
1236587	12	19,0	38,0	36,0
1236588	16	25,0	48,0	42,5
1236589	20	31,0	53,0	56,5
1236590	24	38,0	60,0	61,5
1236591	32	51,0	76,0	73,5
1236592	40	63,0	89,0	85,0

# // STANDARD - BSP INSERTS

## // H1210510

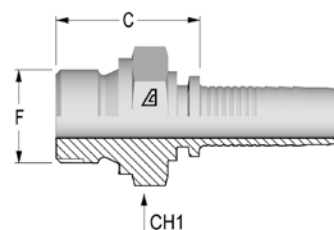
**BSPP Male Parallel 60° Flare  
AGR**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
1201291	H1210510-030200	3/16	4,8	03	1/8-28	02	21,3	14
1201722	H1210510-040200	1/4	6,4	04	1/8-28	02	21,7	14
1200507	H1210510-040400	1/4	6,4	04	1/4-19	04	26,3	19
1200508	H1210510-040600	1/4	6,4	04	3/8-19	06	27,8	22
1201098	H1210510-040800	1/4	6,4	04	1/2-14	08	31,3	27
1200540	H1210510-050400	5/16	7,9	05	1/4-19	04	26,3	19
1200541	H1210510-050600	5/16	7,9	05	3/8-19	06	27,8	22
1201101	H1210510-050800	5/16	7,9	05	1/2-14	08	31,3	27
1200340	H1210510-060400	3/8	9,5	06	1/4-19	04	26,3	19
1200341	H1210510-060600	3/8	9,5	06	3/8-19	06	27,8	22
1200339	H1210510-060800	3/8	9,5	06	1/2-14	08	31,3	27
1200386	H1210510-080600	1/2	12,7	08	3/8-19	06	28,6	22
1200384	H1210510-080800	1/2	12,7	08	1/2-14	08	32,1	27
1201096	H1210510-081000	1/2	12,7	08	5/8-14	10	36,1	30
1200385	H1210510-081200	1/2	12,7	08	3/4-14	12	34,1	32
1201085	H1210510-100800	5/8	15,9	10	1/2-14	08	32,1	27
1200419	H1210510-101000	5/8	15,9	10	5/8-14	10	36,1	30
1200418	H1210510-101200	5/8	15,9	10	3/4-14	12	34,1	32
1200446	H1210510-121200	3/4	19	12	3/4-14	12	34,6	32
1201095	H1210510-121600	3/4	19	12	1-11	16	39,6	41
1201355	H1210510-161600	1	25,4	16	1-11	16	40,4	41
1201356	H1210510-162000	1	25,4	16	1 1/4-11	20	42,4	50
1201357	H1210510-202000	1 1/4	31,8	20	1 1/4-11	20	47	50
1201358	H1210510-242400	1 1/2	38,1	24	1 1/2-11	24	49	55
1221561	H1210510-243200	1 1/2	38,1	24	2-11	32	56,5	70
1201359	H1210510-323200	2	50,8	32	2-11	32	53,5	70

## // H1210610

**BSPP Male Flat Seat  
AGR FD**



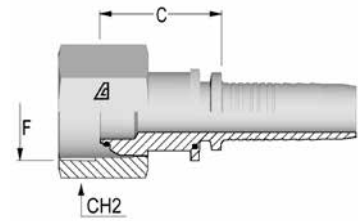
Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
1214181	H1210610-040400	1/4	6,4	04	1/4-11	04	26,3	19
1223423	H1210610-060600	3/8	9,5	06	3/8-19	06	27,8	22
1216596	H1210610-060800	3/8	9,5	06	1/2-14	08	31,3	27
1223422	H1210610-080800	1/2	12,7	08	1/2-14	08	32,1	27
1216597	H1210610-101000	5/8	15,9	10	5/8-14	10	36,1	30



Dimensions shown may be changed without prior notice

**// H1220813**

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



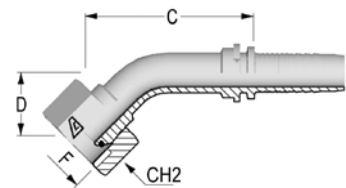
Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH2 mm
1202325	H1220813-030400	3/16	4,8	03	1/4-19	04	16	19
1202326	H1220813-040400	1/4	6,4	04	1/4-19	04	16	19
1202328	H1220811-050400	5/16	7,9	05	1/4-19	04	17,3	19
1202329	H1220813-050600	5/16	7,9	05	3/8-19	06	18	22
1202331	H1220813-060600	3/8	9,5	06	3/8-19	06	17	22
1202333	H1220813-080800	1/2	12,7	08	1/2-14	08	18	27
1202457	H1220811-101000	5/8	15,9	10	5/8-14	10	17,1	27
1202462	H1220811-121200	3/4	19	12	3/4-14	12	20,6	32
1202455	H1220811-161600	1	25,4	16	1-11	16	23,9	38
1202458	H1220812-202000	1 1/4	31,8	20	1 1/4-11	20	32	50
1202463	H1220812-242400	1 1/2	38,1	24	1 1/2-11	24	33,8	55
1202014	H1220812-323200	2	50,8	32	2-11	32	34	70

Jump size on request

Other dimension on request

**// H1220843**

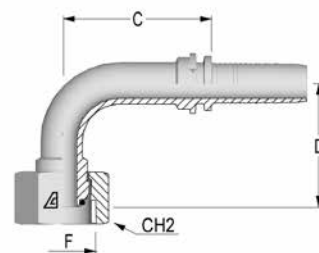
**45° BSPP Female 60° Cone with O-Ring  
DKOR 45  
Solid one piece**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1202341	H1220843-040400	1/4	6,4	04	1/4-19	04	44,5	15	19
1214200	H1220841-050400	5/16	7,9	05	1/4-19	04	45	17	19
1202343	H1220843-050600	5/16	7,9	05	3/8-19	06	48	18	22
1202344	H1220843-060600	3/8	9,5	06	3/8-19	06	50	20,5	22
1202346	H1220843-080800	1/2	12,7	08	1/2-14	08	56	21	27
1202464	H1220841-101000	5/8	15,9	10	5/8-14	10	64	21,5	27
1202465	H1220841-121200	3/4	19	12	3/4-14	12	67,6	28	32
1202466	H1220841-161600	1	25,4	16	1-11	16	72,5	34	38
1202467	H1220842-202000	1 1/4	31,8	20	1 1/4-11	20	101	40	50
1202468	H1220842-242400	1 1/2	38,1	24	1 1/2-14	24	111	46	55
1202469	H1220842-323200	2	50,8	32	2-11	32	154	60	70

**// H1220893**

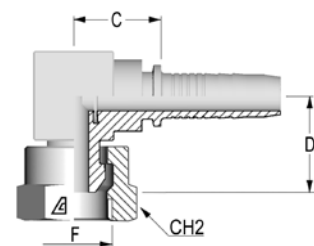
**90° BSPP Female 60° Cone with O-Ring  
DKOR 90  
Solid one piece**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1200607	H1220591-030200	3/16	4,8	03	1/8-28	02	23,8	30	14
1202474	H1220893-030400	3/16	4,8	03	1/4-19	04	28	30	19
1201707	H1220591-040200	1/4	6,4	04	1/8-28	02	29	30	14
1202367	H1220893-040400	1/4	6,4	04	1/4-19	04	29,3	29	19
1202353	H1220893-040600	1/4	6,4	04	3/8-19	06	28	30,5	22
1202354	H1220893-050600	5/16	7,9	05	3/8-19	06	34	35,5	22
1202355	H1220893-060600	3/8	9,5	06	3/8-19	06	39,5	42	22
1202356	H1220893-060800	3/8	9,5	06	1/2-14	08	33	36	27
1202881	H1220891-080600	1/2	12,7	08	3/8-19	06	35,3	43	22
1202357	H1220893-080800	1/2	12,7	08	1/2-14	08	40	41	27
1202358	H1220893-081000	1/2	12,7	08	5/8-14	10	42,5	43	27
1202359	H1220893-081200	1/2	12,7	08	3/4-14	12	42,5	43	32
1202470	H1220891-101000	5/8	15,9	10	5/8-14	10	50,2	47	27
1202360	H1220893-101200	5/8	15,9	10	3/4-14	12	48	46	32
1202471	H1220891-121200	3/4	19	12	3/4-14	12	53,5	53	32
1202361	H1220893-121600	3/4	19	12	1-11	16	54	50	38
1202475	H1220891-161600	1	25,4	16	1-11	16	73,4	69	38
1202362	H1220893-162000	1	25,4	16	1 1/4-11	20	78,5	88,5	50
1202472	H1220892-202000	1 1/4	31,8	20	1 1/4-11	20	83	83	50
1202363	H1220893-202400	1 1/4	31,8	20	1 1/2-11	24	101,5	83	55
1202456	H1220892-242400	1 1/2	38,1	24	1 1/2-11	24	96	96	55
1202364	H1220893-243200	1 1/2	38,1	24	2-11	32	114	110	70
1202473	H1220892-323200	2	50,8	32	2-11	32	138	136	70

**// H1220581**

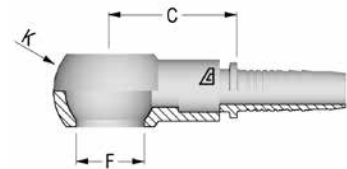
**90° Compact BSPP Female 60° Cone  
DKR 90**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1202422	H1220581-040400	1/4	6,4	04	04	1/4-19	17,7	19	19
1202274	H1220581-050600	5/16	7,9	05	06	3/8-19	19,5	21,5	22
1202025	H1220581-060600	3/8	9,5	06	06	3/8-19	19,5	21,5	22
1202026	H1220581-060800	3/8	9,5	06	08	1/2-14	21,5	22,5	27
1202027	H1220581-080800	1/2	12,7	08	08	1/2-14	22,2	22,5	27
1203213	H1220581-121200	3/4	19	12	12	3/4-14	26,7	31	32
1203330	H1220581-161600	1	25,4	16	1-11	16	34,5	27,5	38

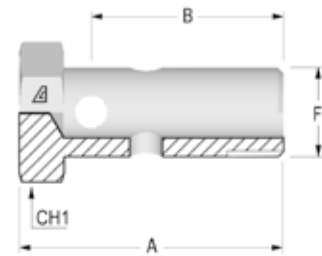
Dimensions shown may be changed without prior notice

**// H1230310**  
**BSPP Banjo RNR**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F mm	C CUT-OFF Factor	K mm
1203087	H1230310-040200	1/4	6,4	04	1/8-28	10,1	20	17
1203086	H1230310-040400	1/4	6,4	04	1/4-19	13,3	26,5	22
1216840	H1230310-040600	1/4	6,4	04	3/8-19	16,7	30,5	28
1203087	H1230310-040200	1/4	6,4	04	1/8-28	10,1	20	17
1203086	H1230310-040400	1/4	6,4	04	1/4-19	13,3	26,5	22
1216840	H1230310-040600	1/4	6,4	04	3/8-19	16,7	30,5	28
1201763	H1230310-050600	5/16	7,9	05	3/8-19	16,7	30,5	28
1201760	H1230310-060600	3/8	9,5	06	3/8-19	16,7	30,5	28
1201754	H1230310-060800	3/8	9,5	06	1/2-14	21	34,5	38
1216843	H1230310-080600	1/2	12,7	08	3/8-19	16,7	30,5	28
1203048	H1230310-080800	1/2	12,7	08	1/2-14	21	35	38
1203085	H1230310-101000	5/8	15,9	10	5/8-14	23	38	40
1200423	H1230310-121200	3/4	19	12	3/4-14	26,5	41,5	46
1203084	H1230310-161600	1	25,4	16	1-11	33,3	50,5	58

**// H10V0210**  
**BSPP Bolt**

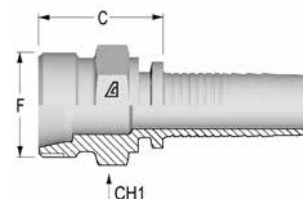


Item Code	Part Number	F Thread in-TPI	A mm	B mm	CH1 mm
1210366	H10V0210-040000	1/4-19	30	25	19
1210367	H10V0210-060000	3/8-19	38	31	22
1210365	H10V0210-080000	1/2-14	46	38	27
1210404	H10V0210-100000	5/8-14	51	42	28
1210403	H10V0210-120000	3/4-14	56	47	32
1210402	H10V0210-160000	1-11	69	58	38

# // STANDARD - DIN METRIC INSERTS

## // H1211110

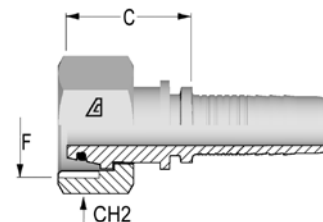
**Metric Male 24° Seat - Light  
DIN 3853 - CEL**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Tube OD mm	C CUT-OFF Factor	CH1 mm
1200451	H1211110-031200	3/16	4,8	03	M12x1,5	6	20,8	14
1200481	H1211110-041200	1/4	6,4	04	M12x1,5	6	21,7	14
1200482	H1211110-041400	1/4	6,4	04	M14x1,5	8	22,3	14
1201558	H1211110-041600	1/4	6,4	04	M16x1,5	10	23,3	17
1200518	H1211110-051600	5/16	7,9	05	M16x1,5	10	23,3	17
1201086	H1211110-051800	5/16	7,9	05	M18x1,5	12	23,3	19
1200314	H1211110-061600	3/8	9,5	06	M16x1,5	10	23,3	17
1200315	H1211110-061800	3/8	9,5	06	M18x1,5	12	23,3	19
1200320	H1211110-062200	3/8	9,5	06	M22x1,5	15	25,3	22
1202565	H1211110-081800	1/2	12,7	08	M18x1,5	12	25,1	19
1200358	H1211110-082200	1/2	12,7	08	M22x1,5	15	26,1	22
1200362	H1211110-082600	1/2	12,7	08	M26x1,5	18	27,1	27
1200401	H1211110-102600	5/8	15,9	10	M26x1,5	18	27,1	27
1200432	H1211110-123000	3/4	19	12	M30x2	22	29,6	32
1201372	H1211110-163600	1	25,4	16	M36x2	28	33,4	36
1201373	H1211110-204500	1 1/4	31,8	20	M45x2	35	40	46
1201374	H1211110-245200	1 1/2	38,1	24	M52x2	42	40	55

## // H1221513

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

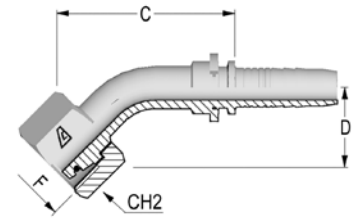


Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Tube OD mm	C CUT-OFF Factor	CH2 mm
1200595	H1221513-031200	3/16	4,8	03	M12x1,5	6	23,9	14
1201612	H1221513-031400	3/16	4,8	03	M14x1,5	8	23,9	17
1200614	H1221513-041400	1/4	6,4	04	M14x1,5	8	24,4	17
1200609	H1221513-041600	1/4	6,4	04	M16x1,5	10	25,4	19
1201458	H1221513-051400	5/16	7,9	05	M14x1,5	8	25,4	17
1200642	H1221513-051600	5/16	7,9	05	M16x1,5	10	25,4	19
1203152	H1221513-061600	3/8	9,5	06	M16x1,5	10	25,4	19
1200667	H1221513-061800	3/8	9,5	06	M18x1,5	12	25,4	22
1203260	H1221513-081800	1/2	12,7	08	M18x1,5	12	28,1	22
1200707	H1221513-082200	1/2	12,7	08	M22x1,5	15	28,2	27
1200736	H1221513-102600	5/8	15,9	10	M26x1,5	18	29,2	32
1200762	H1221513-123000	3/4	19	12	M30x2	22	31,7	36
1220609	H1221513-123600	3/4	19	12	M36x2	28	32,8	41
1201593	H1221512-163000	1	25,4	16	M30x2	22	33,1	36
1201385	H1221513-163600	1	25,4	16	M36x2	28	33,6	41
1201386	H1221513-204500	1 1/4	31,8	20	M45x2	35	40,1	50
1201387	H1221513-245200	1 1/2	38,1	24	M52x2	42	40,5	60

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**



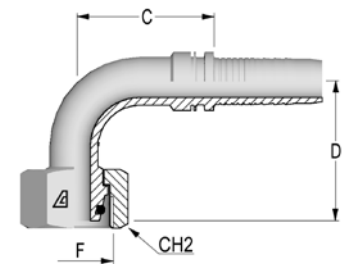
Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Tube OD mm	C CUT-OFF Factor	D DROP mm	CH2 mm
1200594	H1221543-031200	3/16	4,8	03	M12x1,5	6	44,9	19	14
1216676	H1221541-041200	1/4	6,4	04	M12x1,5	6	42,7	15	14
1200612	H1221543-041400	1/4	6,4	04	M14x1,5	8	42,7	17,5	17
1201576	H1221543-041600	1/4	6,4	04	M16x1,5	10	42,7	20	19
1200645	H1221543-051600	5/16	7,9	05	M16x1,5	10	47,5	20	19
1200646	H1221543-051800	5/16	7,9	05	M18x1,5	12	47,5	22	22
1200671	H1221543-061800	3/8	9,5	06	M18x1,5	12	46,8	19,5	22
1203326	H1221543-081800	1/2	12,7	08	M18x1,5	12	55,0	21	22
1200711	H1221543-082200	1/2	12,7	08	M22x1,5	15	55,0	21	27
1200738	H1221543-102600	5/8	15,9	10	M26x1,5	18	65,3	24	32
1200764	H1221543-123000	3/4	19	12	M30x2	22	69,4	32	36
1201390	H1221543-163600	1	25,4	16	M36x2	28	91,4	32	41
1201392	H1221543-204500	1 1/4	31,8	20	M45x2	35	135,5	45	50
1202128	H1221543-245200	1 1/2	38,1	24	M52x2	42	114,1	47	60

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HYDRAULIC FITTINGS

## // H1221593

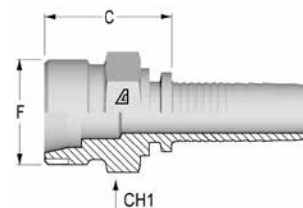
**90° Metric Female 24° Cone with O-Ring - Light**  
**DIN 3865 - DKOL 90**  
**Solid one piece**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Tube OD mm	C CUT-OFF Factor	D DROP mm	CH2 mm
1216680	H1221593-031200	3/16	4,8	03	M12x1,5	6	28,0	25	14
1203240	H1221591-041200	1/4	6,4	04	M12x1,5	6	29,5	26	14
1200618	H1221593-041400	1/4	6,4	04	M14x1,5	8	28,3	32,5	17
1200616	H1221593-041600	1/4	6,4	04	M16x1,5	10	28,3	32,5	19
1200648	H1221593-051600	5/16	7,9	05	M16x1,5	10	33,7	38	19
1200676	H1221593-061800	3/8	9,5	06	M18x1,5	12	32,8	39	22
1201237	H1221593-081800	1/2	12,7	08	M18x1,5	12	39,8	40	22
1200713	H1221593-082200	1/2	12,7	08	M22x1,5	15	39,8	40,5	27
1200740	H1221593-102600	5/8	15,9	10	M26x1,5	18	51,4	48	32
1200767	H1221593-123000	3/4	19	12	M30x2	22	52,1	59	36
1216685	H1221593-123600	3/4	19	12	M36x2	28	52,1	64	41
1201391	H1221593-163600	1	25,4	16	M36x2	28	77,6	68	41
1201393	H1221593-204500	1 1/4	31,8	20	M45x2	35	90,5	89	50
1201394	H1221593-245200	1 1/2	38,1	24	M52x2	42	104,0	100	60

**// H1211210**

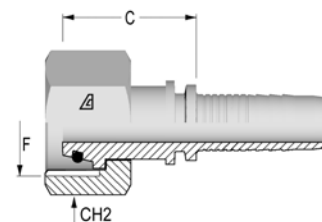
**Metric Male 24° Seat - Heavy  
DIN 3853 - CES**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Tube OD mm	C CUT-OFF Factor	CH1 mm
1201828	H1211210-041400	1/4	6,4	04	M14x1,5	6	24,3	17
1200485	H1211210-041600	1/4	6,4	04	M16x1,5	8	24,3	17
1200477	H1211210-041800	1/4	6,4	04	M18x1,5	10	25,3	19
1200521	H1211210-052000	5/16	7,9	05	M20x1,5	12	25,3	22
1202267	H1211210-061800	3/8	9,5	06	M18x1,5	10	25,3	19
1200316	H1211210-062000	3/8	9,5	06	M20x1,5	12	25,3	22
1200319	H1211210-062200	3/8	9,5	06	M22x1,5	14	27,3	22
1200321	H1211210-062400	3/8	9,5	06	M24x1,5	16	28,1	24
1202564	H1211210-082200	1/2	12,7	08	M22x1,5	14	28,6	24
1200360	H1211210-082400	1/2	12,7	08	M24x1,5	16	29,1	24
1200364	H1211210-083000	1/2	12,7	08	M30x2	16	33,1	32
1200403	H1211210-103000	5/8	15,9	10	M30x2	20	33,1	32
1202526	H1211210-123000	3/4	19	12	M30x2	20	33,6	32
1200434	H1211210-123600	3/4	19	12	M36x2	25	37,6	36
1203151	H1211210-163600	1	25,4	16	M36x2	25	38,4	36
1201375	H1211210-164200	1	25,4	16	M42x2	30	42,4	46
1201376	H1211210-205200	1 1/4	31,8	20	M52x2	38	48,0	55

**// H1221613**

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



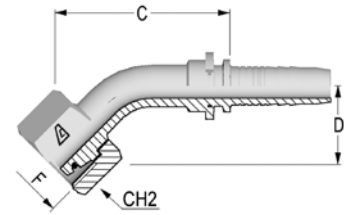
Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Tube OD mm	C CUT-OFF Factor	CH2 mm
1200596	H1221613-031600	3/16	4,8	03	M16x1,5	8	27,2	19
1200615	H1221613-041600	1/4	6,4	04	M16x1,5	8	27,7	19
1200610	H1221613-041800	1/4	6,4	04	M18x1,5	10	27,6	22
1201832	H1221613-051800	5/16	7,9	05	M18x1,5	10	27,6	22
1200644	H1221613-052000	5/16	7,9	05	M20x1,5	12	27,6	24
1200668	H1221613-062000	3/8	9,5	06	M20x1,5	12	27,6	24
1200669	H1221613-062200	3/8	9,5	06	M22x1,5	14	31,1	27
1202570	H1221613-062400	3/8	9,5	06	M24x1,5	16	31,1	30
1200708	H1221613-082400	1/2	12,7	08	M24x1,5	16	31,7	30
1200710	H1221613-083000	1/2	12,7	08	M30x2	20	31,7	36
1201150	H1221613-102400	5/8	15,9	10	M24x1,5	16	36,5	30
1200737	H1221613-103000	5/8	15,9	10	M30x2	20	36,5	36
1201732	H1221613-123000	3/4	19	12	M30x2	20	37,0	36
1200763	H1221613-123600	3/4	19	12	M36x2	25	40,2	46
1226516	H1221613-163000	1	25,4	16	M30x2	20	41,0	36
1203099	H1221613-163600	1	25,4	16	M36x2	25	41,0	46
1201388	H1221613-164200	1	25,4	16	M42x2	30	43,1	50
1216693	H1221613-204200	1 1/4	31,8	20	M42x2	30	44,7	50
1201389	H1221613-205200	1 1/4	31,8	20	M52x2	38	48,1	60
1216695	H1221613-245200	1 1/2	38,1	24	M52x2	38	48,1	60



Dimensions shown may be changed without prior notice

## // H1221643

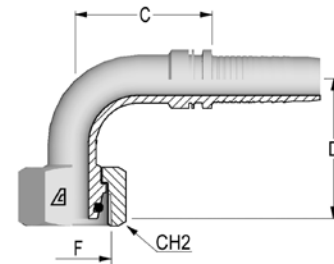
**45° Metric Female 24° Cone with O-Ring - Heavy**  
**DIN 3865 - DKOS 45**  
**Solid one piece**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Tube OD mm	C CUT-OFF Factor	D DROP mm	CH2 mm
1200613	H1221643-041600	1/4	6,4	04	M16x1,5	8	48,6	16	19
1200611	H1221643-041800	1/4	6,4	04	M18x1,5	10	43,5	19	22
1200647	H1221643-052000	5/16	7,9	05	M20x1,5	12	48,1	21	24
1200672	H1221643-062000	3/8	9,5	06	M20x1,5	12	50,6	20	24
1200673	H1221643-062200	3/8	9,5	06	M22x1,5	14	52,9	21	27
1200712	H1221643-082400	1/2	12,7	08	M24x1,5	16	55,8	21,5	30
1201300	H1221643-103000	5/8	15,9	10	M30x2	20	66,3	30	36
1202891	H1221643-123000	3/4	19	12	M30x2	20	66,1	29	36
1200765	H1221643-123600	3/4	19	12	M36x2	25	69,5	33	46
1203098	H1221643-163600	1	25,4	16	M36x2	25	89,7	36	46
1201395	H1221643-164200	1	25,4	16	M42x2	30	110,3	40,5	50
1201398	H1221643-205200	1 1/4	31,8	20	M52x2	38	109,0	45	60

## // H1221693

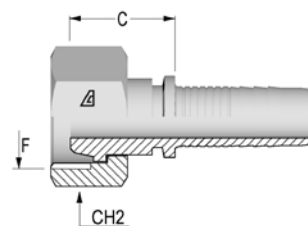
**90° Metric Female 24° Cone with O-Ring - Heavy**  
**DIN 3865 - DKOS 90**  
**Solid one piece**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Tube OD mm	C CUT-OFF Factor	D DROP mm	CH2 mm
1200619	H1221693-041600	1/4	6,4	04	M16x1,5	8	27,3	33	19
1200617	H1221693-041800	1/4	6,4	04	M18x1,5	10	26,8	34	22
1200650	H1221693-052000	5/16	7,9	05	M20x1,5	12	33,2	39	24
1200677	H1221693-062000	3/8	9,5	06	M20x1,5	12	34,3	38,5	24
1200678	H1221693-062200	3/8	9,5	06	M22x1,5	14	34,3	40,5	27
1200714	H1221693-082400	1/2	12,7	08	M24x1,5	16	39,8	41,5	30
1200741	H1221693-103000	5/8	15,9	10	M30x2	20	47,9	55	36
1200766	H1221693-123000	3/4	19	12	M30x2	20	50,6	58	36
1200768	H1221693-123600	3/4	19	12	M36x2	25	50,6	59,5	46
1203097	H1221693-163600	1	25,4	16	M36x2	25	77,6	73,5	46
1201396	H1221693-164200	1	25,4	16	M42x2	30	75,6	79	50
1201397	H1221693-205200	1 1/4	31,8	20	M52x2	38	94,0	92	60

**// H1221013**

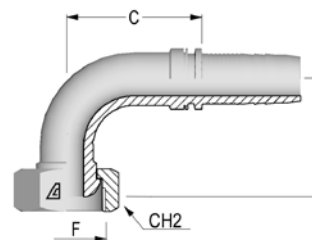
**Metric Female 60° Cone DIN 3863**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	C CUT-OFF Factor	CH2 mm
1200759	H1221013-123000	3/4	19	12	30x1,5	22,2	36
1201572	H1221013-163800	1	25,4	16	38x1,5	28	46

**// H1221093**

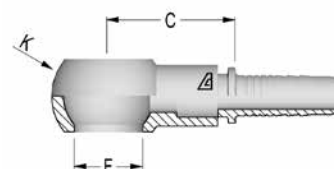
**90° Metric Female 60° Cone DIN 3863  
Solid one piece**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	C CUT-OFF Factor	D DROP mm	CH2 mm
1202056	H1221093-123000	3/4	19	12	30x1,5	54	47	36
1201620	H1221093-163800	1	25,4	16	38x1,5	76,4	60	46

**// H1230910**

**Metric Banjo  
RNM**

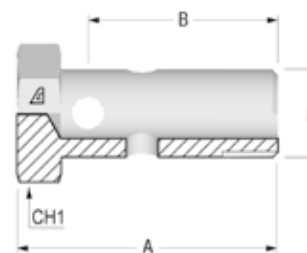


Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	C CUT-OFF Factor	K mm
1202577	H1230910-031000	3/16	4,8	03	M10x1,5	24	17
1200468	H1230910-041000	1/4	6,4	04	M10x1,5	25	17
1200469	H1230910-041200	1/4	6,4	04	M12x1,5	28,5	20
1200470	H1230910-041400	1/4	6,4	04	M14x1,5	27,5	24
1200513	H1230910-051200	5/16	7,9	05	M12x1,5	28,5	24
1200514	H1230910-051400	5/16	7,9	05	M14x1,5	27,5	24
1200515	H1230910-051600	5/16	7,9	05	M16x1,5	30,5	28
1200516	H1230910-051800	5/16	7,9	05	M18x1,5	28,5	32
1200309	H1230910-061400	3/8	9,5	06	M14x1,5	27,5	24
1200310	H1230910-061600	3/8	9,5	06	M16x1,5	30,5	28
1200311	H1230910-061800	3/8	9,5	06	M18x1,5	31,5	32
1200346	H1230910-081800	1/2	12,7	08	M18x1,5	32	32
1200347	H1230910-082200	1/2	12,7	08	M22X1,5	35	39
1200389	H1230910-102200	5/8	15,9	10	M22X1,5	35	39
1200422	H1230910-122600	3/4	19	12	M26x1,5	38,5	46
1203083	H1230910-163000	1	25,4	16	M30x1,5	42,5	54

Dimensions shown may be changed without prior notice

## // H10V0810

## Metric Bolt

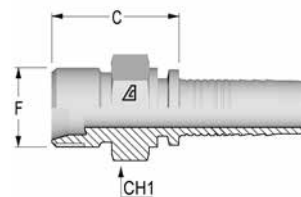


Item Code	Part Number	F Thread in-TPI	A mm	B mm	CH1 mm
1210374	H10V0810-100000	10x1	24	19	14
1210375	H10V0810-120000	12x1,5	29	24	17
1210368	H10V0810-140000	14x1,5	34	28	19
1210384	H10V0810-160000	16x1,5	41	34	22
1210369	H10V0810-180000	18x1,5	44	37	24
1210371	H10V0810-220000	22x1,5	48	41	27
1210406	H10V0810-260000	26x1,5	52	42	32
1210405	H10V0810-300000	30x1,5	62	51	38

# // STANDARD - SEA INSERTS

## // H1213B10

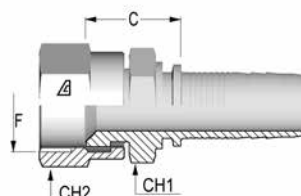
SAE Male Flareless



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
1216628	H1213B10-040400	1/4	6,4	04	7/16-20	04	21,8	12
1216629	H1213B10-040500	1/4	6,4	04	1/2-20	05	22,8	14
1216630	H1213B10-050600	5/16	7,9	05	9/16-18	06	24,2	16
1216632	H1213B10-060600	3/8	9,5	06	9/16-18	06	24,2	16
1216633	H1213B10-080800	1/2	12,7	08	3/4-16	08	28,4	22
1225942	H1213B10-121200	3/4	19	12	1 1/16-12	12	33,1	30

## // H1226611

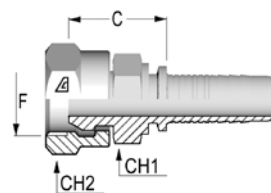
SAE Female Swivel 45° Seat



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm	CH2 mm
1202661	H1226611-060600	3/8	9,5	06	5/8-18	06	22,3	19	22
1226097	H1226611-060800	3/8	9,5	06	3/4-16	08	24,8	19	25
1226098	H1226611-081000	1/2	12,7	08	7/8-14	10	26,6	22	27
1202371	H1226611-121200	3/4	19	12	1 1/16-14	12	29,6	27	32

## // H1227311

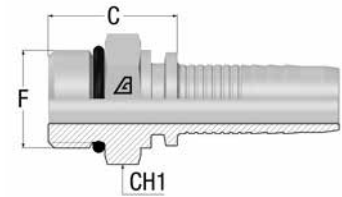
NPSM Female



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm	CH2 mm
1203280	H1227311-040400	1/4	6,4	04	1/4-18	04	24,3	17	19
1216834	H1227311-060600	3/8	9,5	06	3/8-18	06	25,8	19	22
1202084	H1227311-080800	1/2	12,7	08	1/2-14	08	27,6	22	27
1216835	H1227311-121200	3/4	19	12	3/4-14	12	28,6	27	32
1216836	H1227311-161600	1	25,4	16	1-11 1/2	16	35,4	36	38

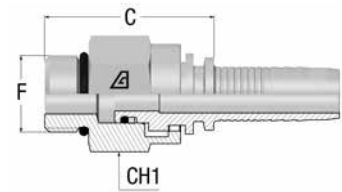
Dimensions shown may be changed without prior notice

**// H1213010**  
**SAE Solid Male**  
**O-Ring Boss**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
1203147	H1213010-040400	1/4	6,4	04	7/16-20	04	20,3	14
1201833	H1213010-040500	1/4	6,4	04	1/2-20	05	21,3	16
1202519	H1213010-040600	1/4	6,4	04	9/16-18	06	22,3	17
1201834	H1213010-060600	3/8	9,5	06	9/16-18	06	23,3	19
1200337	H1213010-060800	3/8	9,5	06	3/4-16	08	24,3	22
1200338	H1213010-061000	3/8	9,5	06	7/8-14	10	26,8	27
1200382	H1213010-080800	1/2	12,7	08	3/4-16	08	25,1	22
1200383	H1213010-081000	1/2	12,7	08	7/8-14	10	27,6	27
1200381	H1213010-081200	1/2	12,7	08	1 1/16-12	12	32,1	32
1221652	H1213010-101000	5/8	15,8	10	7/8-14	10	27,6	24
1200416	H1213010-101200	5/8	15,8	10	1 1/16-12	12	32,1	32
1203146	H1213010-121000	3/4	19	12	7/8-14	10	28,1	27
1200445	H1213010-121200	3/4	19	12	1 1/16-12	12	32,6	32
1201836	H1213010-161600	1	25,4	16	1 5/16-12	16	35,4	38
1225859	H1213010-202000	1 1/4	31,8	20	1 5/8-12	20	39,0	46

**// H1213011**  
**SAE Male Swivel**  
**O-Ring Boss**

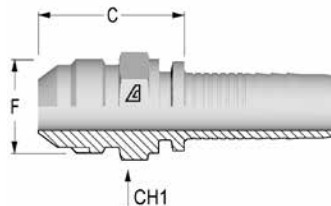


Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
1225932	H1213011-060600	3/8	9,5	06	9/16-18	06	40,5	22
1225933	H1213011-060800	3/8	9,5	06	3/4-16	08	43,5	25
1225934	H1213011-080800	1/2	12,7	08	3/4-16	08	42,3	25
1225935	H1213011-081000	1/2	12,7	08	7/8-14	10	43,8	25
1226492	H1213011-121200	3/4	19	12	1 1/16-12	12	50,1	32

# // STANDARD - JIC 37° INSERTS

## // H1212510

**JIC Male 37° Cone  
AGJ**

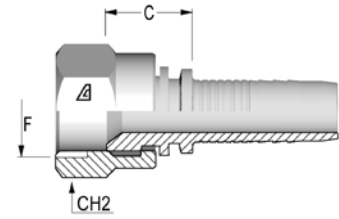


Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
1200457	H1212510-030400	3/16	4,8	03	7/16-20	04	23,8	12
1200500	H1212510-040400	1/4	6,4	04	7/16-20	04	25,3	12
1200499	H1212510-040500	1/4	6,4	04	1/2-20	05	25,3	14
1200501	H1212510-040600	1/4	6,4	04	9/16-18	06	26,3	17
1200534	H1212510-050500	5/16	7,9	05	1/2-20	05	25,3	14
1200535	H1212510-050600	5/16	7,9	05	9/16-18	06	26,3	17
1201087	H1212510-050800	5/16	7,9	05	3/4-16	08	29,8	19
1200332	H1212510-060600	3/8	9,5	06	9/16-18	06	26,3	17
1200330	H1212510-060800	3/8	9,5	06	3/4-16	08	29,8	19
1200331	H1212510-061000	3/8	9,5	06	7/8-14	10	33,8	24
1200375	H1212510-080800	1/2	12,7	08	3/4-16	08	30,6	19
1200376	H1212510-081000	1/2	12,7	08	7/8-14	10	34,6	24
1200374	H1212510-081200	1/2	12,7	08	1 1/16-12	12	37,1	27
1200413	H1212510-101000	5/8	15,9	10	7/8-14	10	34,6	24
1200411	H1212510-101200	5/8	15,9	10	1 1/16-12	12	37,1	27
1200441	H1212510-121200	3/4	19	12	1 1/16-12	12	37,6	27
1200442	H1212510-121400	3/4	19	12	1 3/16-12	14	40,1	32
1200443	H1212510-121600	3/4	19	12	1 5/16-12	16	42,6	36
1222989	H1212510-161200	1	25,4	16	1 1/16-12	12	40,4	32
1201379	H1212510-161600	1	25,4	16	1 5/16-12	16	43,4	36
1201380	H1212510-162000	1	25,4	16	1 5/8-12	20	46,9	46
1201381	H1212510-202000	1 1/4	31,8	20	1 5/8-12	20	48,5	46
1201785	H1212510-202400	1 1/4	31,8	20	1 7/8-12	24	52,5	50
1201382	H1212510-242400	1 1/2	38,1	24	1 7/8-12	24	52,5	50
1201383	H1212510-323200	2	50,8	32	2 1/2-12	32	52,0	65



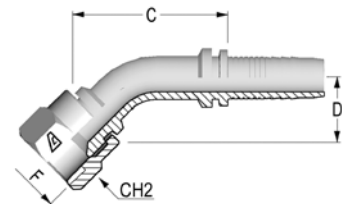
Dimensions shown may be changed without prior notice

**// H1222511**  
**JIC Female 37° Seat**  
**DKJ**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH2 mm
1200600	H1222511-030400	3/16	4,8	03	7/16-20	04	14,3	16
1200625	H1222511-040400	1/4	6,4	04	7/16-20	04	14,6	16
1200623	H1222511-040500	1/4	6,4	04	1/2-20	05	15,3	17
1200655	H1222511-050500	5/16	7,9	05	1/2-20	05	15,3	17
1200656	H1222511-050600	5/16	7,9	05	9/16-18	06	15,3	19
1200691	H1222511-060600	3/8	9,5	06	9/16-18	06	15,3	19
1200687	H1222511-060800	3/8	9,5	06	3/4-16	08	17,8	25
1200723	H1222511-080800	1/2	12,7	08	3/4-16	08	18,6	25
1200725	H1222511-081000	1/2	12,7	08	7/8-14	10	19,6	27
1200751	H1222511-101000	5/8	15,9	10	7/8-14	10	19,6	27
1200749	H1222511-101200	5/8	15,9	10	1 1/16-12	12	20,1	32
1201841	H1222511-121000	3/4	19	12	7/8-14	10	20,1	27
1200774	H1222511-121200	3/4	19	12	1 1/16-12	12	20,6	32
1200776	H1222511-121600	3/4	19	12	1 5/16-12	16	22,1	38
1201399	H1222511-161200	1	25,4	16	1 1/16-12	12	22,4	32
1201400	H1222511-161600	1	25,4	16	1 5/16-12	16	23,9	38
1201401	H1222512-162000	1	25,4	16	1 5/8-12	20	26,5	50
1201402	H1222512-202000	1 1/4	31,8	20	1 5/8-12	20	28,1	50
1201097	H1222512-242400	1 1/2	38,1	24	1 7/8-12	24	31,4	55
1201404	H1222512-323200	2	50,8	32	2 1/2-12	32	32,0	70

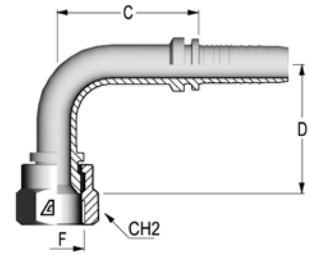
**// H1222541-M**  
**45° JIC Female 37° Seat**  
**DKJ 45**  
**Solid one piece**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1202821	H1222541-03040M	3/16	4,8	03	7/16-20	04	37,1	10	16
1202822	H1222541-04040M	1/4	6,4	04	7/16-20	04	36,6	10	16
1202823	H1222541-04050M	1/4	6,4	04	1/2-20	05	37,2	12	17
1202825	H1222541-05050M	5/16	7,9	05	1/2-20	05	39,8	12	17
1202826	H1222541-05060M	5/16	7,9	05	9/16-18	06	42,8	12	19
1202827	H1222541-06060M	3/8	9,5	06	9/16-18	06	46,3	11	19
1202791	H1222541-06080M	3/8	9,5	06	3/4-16	08	47,2	15	25
1202828	H1222541-08080M	1/2	12,7	08	3/4-16	08	51,6	15	25
1202829	H1222541-08100M	1/2	12,7	08	7/8-14	10	50,7	16	27
1202832	H1222541-10100M	5/8	15,9	10	7/8-14	10	62,2	19	27
1202831	H1222541-10120M	5/8	15,9	10	1 1/16-12	12	68,6	21	32
1202833	H1222541-12120M	3/4	19	12	1 1/16-12	12	67,5	21	32
1200778	H1222541-121400	3/4	19	12	1 3/16-12	14	67,6	23	36
1202834	H1222541-12160M	3/4	19	12	1 5/16-12	16	71,4	26	38
1202835	H1222541-16160M	1	25,4	16	1 5/16-12	16	79,5	24	38
1202836	H1222542-16200M	1	25,4	16	1 5/8-12	20	81,9	37	50
1202837	H1222542-20200M	1 1/4	31,8	20	1 5/8-12	20	97,1	37	50
1202839	H1222542-24240M	1 1/2	38,1	24	1 7/8-12	24	112,7	43	55
1202840	H1222542-32320M	2	50,8	32	2 1/2	32	159,9	67	70

**// H1222591-M**

**90° JIC Female 37° Seat Medium Drop  
DKJ 90M  
Solid one piece**



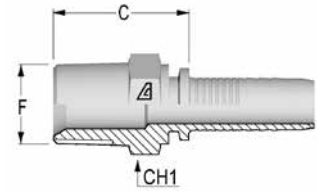
Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1202792	H1222591-03040M	3/16	4,8	03	7/16-20	04	33,5	32	16
1202739	H1222591-04040M	1/4	6,4	04	7/16-20	04	34,2	32	16
1202740	H1222591-04050M	1/4	6,4	04	1/2-20	05	25,7	30	17
1202793	H1222591-04060M	1/4	6,4	04	9/16-18	06	28,5	38	19
1202794	H1222591-05050M	5/16	7,9	05	1/2-20	05	34,7	35	17
1202731	H1222591-05060M	5/16	7,9	05	9/16-18	06	33,2	35	19
1202742	H1222591-06060M	3/8	9,5	06	9/16-18	06	31,3	35	19
1202732	H1222591-06080M	3/8	9,5	06	3/4-16	08	39,5	41	25
1200693	H1222591-06100M	3/8	9,5	06	7/8-14	10	44,6	47	27
1202743	H1222591-08080M	1/2	12,7	08	3/4-16	08	37,2	40	25
1202741	H1222591-08100M	1/2	12,7	08	7/8-14	10	43,3	47	27
1202869	H1222591-08120M	1/2	12,7	08	1 1/16-12	12	42,8	58	32
1202844	H1222591-10100M	5/8	15,9	10	7/8-14	10	49,4	48	27
1216778	H1222591-10120M	5/8	15,9	10	1 1/16-12	12	47,9	58	32
1203340	H1222591-10160M	5/8	15,9	10	1 5/16-12	16	51,9	71	38
1202746	H1222591-12120M	3/4	19	12	1 1/16-12	12	52,4	54	32
1216780	H1222591-12160M	3/4	19	12	1 5/16-12	16	52,6	72	38
1202847	H1222591-16160M	1	25,4	16	1 5/16-12	16	72,6	71,5	38
1202848	H1222592-16200M	1	25,4	16	1 5/8-12	20	72,6	78	50
1202849	H1222592-20200M	1 1/4	31,8	20	1 5/8-12	20	82,4	78	50
1202850	H1222592-20240M	1 1/4	31,8	20	1 7/8-12	24	94	82	55
1202851	H1222592-24240M	1 1/2	38,1	24	1 7/8-12	24	95,3	92	55
1202852	H1222592-32320M	2	50,8	32	2 1/2-12	32	129,5	140	70

Dimensions shown may be changed without prior notice

## // STANDARD - NPTF INSERTS

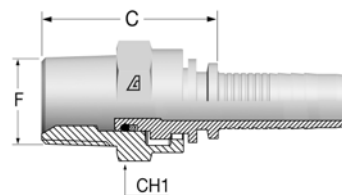
## // H1212810

## NPTF Male 60° Seat AGN



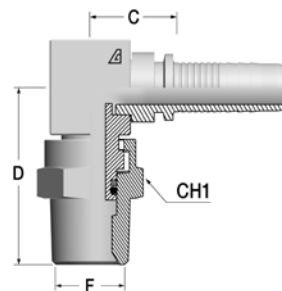
Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
1200448	H1212810-030200	3/16	4,8	03	1/8-27	02	19,8	12
1200447	H1212810-030400	3/16	4,8	03	1/4-18	04	25,3	15
1200466	H1212810-040200	1/4	6,4	04	1/8-27	02	21,3	14
1200465	H1212810-040400	1/4	6,4	04	1/4-18	04	26,8	17
1200511	H1212810-050400	5/16	7,9	05	1/4-18	04	26,8	17
1200512	H1212810-050600	5/16	7,9	05	3/8-18	06	27,8	19
1200307	H1212810-060400	3/8	9,5	06	1/4-18	04	26,8	17
1200308	H1212810-060600	3/8	9,5	06	3/8-18	06	27,8	19
1200306	H1212810-060800	3/8	9,5	06	1/2-14	08	31,3	22
1200345	H1212810-080600	1/2	12,7	08	3/8-18	06	28,6	19
1200343	H1212810-080800	1/2	12,7	08	1/2-14	08	32,1	22
1200344	H1212810-081200	1/2	12,7	08	3/4-14	12	34,1	27
1200387	H1212810-100800	5/8	15,9	10	1/2-14	08	33,1	24
1200388	H1212810-101200	5/8	15,9	10	3/4-14	12	34,1	27
1203149	H1212810-120800	3/4	19	12	1/2-14	08	33,6	27
1200421	H1212810-121200	3/4	19	12	3/4-14	12	34,6	27
1200420	H1212810-121600	3/4	19	12	1-11	16	43,6	36
1216610	H1212810-141600	7/8	22	14	1-11	16	43,6	36
1202282	H1212810-161200	1	25,4	16	3/4-14	12	39,4	36
1201366	H1212810-161600	1	25,4	16	1-11	16	44,4	36
1201367	H1212810-162000	1	25,4	16	1 1/4-11	20	47,4	46
1216611	H1212810-182000	1 1/8	29	18	1 1/4-11	20	47,4	46
1201368	H1212810-202000	1 1/4	31,8	20	1 1/4-11	20	49,0	46
1203148	H1212810-202400	1 1/4	31,8	20	1 1/2-11	24	50,5	50
1216612	H1212810-222400	1 3/8	35	22	1 1/2-11	24	50,5	50
1201369	H1212810-242400	1 1/2	38,1	24	1 1/2-11	24	50,5	50
1202539	H1212810-243200	1 1/2	38,1	24	2-11	32	54,2	65
1216613	H1212810-293200	1 13/16	46	29	2-11	32	54,2	65
1201370	H1212810-323200	2	50,8	32	2-11	32	54,2	65

**// H1212811**  
**NPTF Male Swivel 60° Seat**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
1216614	H1212811-040400	1/4	6,4	04	1/4-18	04	37,6	17
1216615	H1212811-040600	1/4	6,4	04	3/8-18	06	39,5	22
1216616	H1212811-060400	3/8	9,5	06	1/4-18	04	39,6	17
1214186	H1212811-060600	3/8	9,5	06	3/8-18	06	37,5	22
1216617	H1212811-060800	3/8	9,5	06	1/2-14	08	43,5	25
1216619	H1212811-080600	1/2	12,7	08	3/8-18	06	38,3	22
1214187	H1212811-080800	1/2	12,7	08	1/2-14	08	42,3	25
1216620	H1212811-121200	3/4	19	12	3/4-14	12	50,1	32
1216621	H1212811-161600	1	25,4	16	1-11	16	57,9	41

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



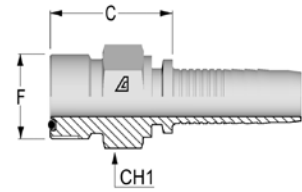
Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH1 mm
1225918	H1212881-040400	1/4	6,4	04	1/4-18	04	17	39	17
1225920	H1212881-060600	3/8	9,5	06	3/8-18	06	20	41	22
1225921	H1212881-080800	1/2	12,7	08	1/2-14	08	22	48	25
1225922	H1212881-121200	3/4	19	12	3/4-14	12	27	61	32

Dimensions shown may be changed without prior notice

# // STANDARD - ORFS INSERTS

## // H1212410

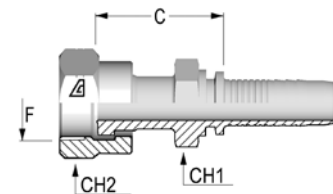
ORFS Male



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	C CUT-OFF Factor	CH1 mm
1202488	H1212410-040400	1/4	6,4	04	9/16-18	22,3	17
1202489	H1212410-040600	1/4	6,4	04	11/16-16	24,3	19
1214185	H1212410-050600	1/4	6,4	04	11/16-16	24,3	19
1202490	H1212410-060600	3/8	9,5	06	11/16-16	24,3	19
1202491	H1212410-060800	3/8	9,5	06	13/16-16	26,3	22
1202055	H1212410-061000	3/8	7,9	06	1-14	29,8	27
1202492	H1212410-080800	1/2	12,7	08	13/16-16	27,1	22
1202054	H1212410-081000	1/2	12,7	08	1-14	30,6	27
1202493	H1212410-081200	1/2	12,7	08	1 3/16-12	34,1	32
1202892	H1212410-101000	5/8	15,8	10	1-14	30,6	27
1202494	H1212410-101200	5/8	15,8	10	1 3/16-12	34,1	32
1202495	H1212410-121000	3/4	19	12	1-14	31,1	27
1202496	H1212410-121200	3/4	19	12	1 3/16-12	34,6	32
1202497	H1212410-121600	3/4	19	12	1 7/16-12	38,1	41
1202498	H1212410-161600	1	25,4	16	1 7/16-12	37,9	38
1202499	H1212410-162000	1	25,4	16	1 11/16-12	39,9	46
1202500	H1212410-202000	1 1/4	31,8	20	1 11/16-12	41,5	46

## // H1222411

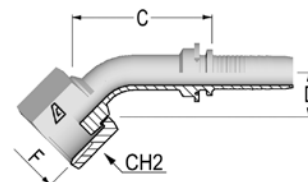
ORFS Female with Stem Hexagon



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm	CH2 mm
1203220	H1222411-030400	3/16	4,8	03	9/16-18	04	26,8	14	17
1201586	H1222411-040400	1/4	6,4	04	9/16-18	04	27,3	14	17
1201855	H1222411-040600	1/4	6,4	04	11/16-16	06	30,3	17	22
1201741	H1222411-050600	5/16	7,9	05	11/16-16	06	30,3	17	22
1201741	H1222411-050600	5/16	7,9	05	11/16-16	06	30,3	17	22
1202369	H1222411-060600	3/8	9,5	06	11/16-16	06	30,3	17	22
1201339	H1222411-060800	3/8	9,5	06	13/16-16	08	35,3	22	24
1202563	H1222411-080600	1/2	12,7	08	11/16-16	06	32,1	19	22
1201338	H1222411-080800	1/2	12,7	08	13/16-16	08	36,1	22	24
1202052	H1222411-081000	1/2	12,7	08	1-14	10	39,6	24	30
1203061	H1222411-100800	5/8	15,9	10	13/16-16	08	37,1	24	24
1202612	H1222411-101000	5/8	15,9	10	1-14	10	39,6	24	30
1201782	H1222411-121000	3/4	19	12	1-14	10	40,1	27	30
1202560	H1222411-121200	3/4	19	12	1 3/16-12	12	42,6	30	36
1202053	H1222411-121600	3/4	19	12	1 7/16-12	16	48,6	36	41
1203142	H1222411-161200	1	25,4	16	1 3/16-12	12	45,4	32	36
1201446	H1222411-161600	1	25,4	16	1 7/16-12	16	49,4	36	41
1201447	H1222411-202000	1 1/4	31,8	20	1 11/16-12	20	52,0	41	50
1226017	H1222411-202400	1 1/4	31,8	20	2-12	24	56,5	50	60
1202046	H1222411-242400	1 1/2	38,1	24	2-12	24	56,5	50	60

**// H1222443-M**

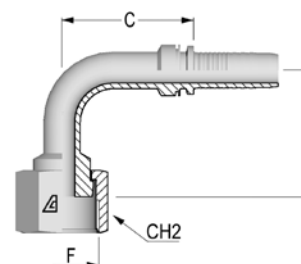
**45° ORFS Female  
DK ORFS 45  
Solid one piece**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1202774	H1222443-04040M	1/4	6,4	04	9/16-18	04	41,1	11	17
1202775	H1222443-04060M	1/4	6,4	04	11/16-16	06	46,1	11	22
1202871	H1222443-05060M	5/16	7,9	05	11/16-16	06	46,3	12	22
1202776	H1222443-06060M	3/8	9,5	06	11/16-16	06	47,4	12	22
1202777	H1222443-06080M	3/8	9,5	06	13/16-16	08	51,2	15	24
1202854	H1222441-08080M	1/2	12,7	08	13/16-16	08	47,1	16	24
1202771	H1222443-08100M	1/2	12,7	08	1-14	10	50,4	16,5	30
1202819	H1222443-10100M	5/8	15,9	10	1-14	10	57,7	17	30
1202853	H1222443-10120M	5/8	15,9	10	1 3/16-12	12	63,1	21	36
1203060	H1222441-12100M	3/4	19	12	1-14	10	53,1	20	30
1202872	H1222443-12120M	3/4	19	12	1 3/16-12	12	63,5	21	36
1202915	H1222443-12160M	3/4	19	12	1 7/16-12	16	70,7	24	41
1202797	H1222443-16160M	1	25,4	16	1 7/16-12	16	82,4	26	41
1203141	H1222443-16200M	1	25,4	16	1 11/16-12	20	85,4	26	50
1202873	H1222443-20200M	1 1/4	31,8	20	1 11/16-12	20	97,4	26	50
1203140	H1222443-20240M	1 1/4	31,8	20	2-12	24	101,1	28	60
1202874	H1222443-24240M	1 1/2	38,1	24	2-12	24	105,5	28	60

**// H1222493-M**

**90° ORFS Female Medium Drop  
DK ORFS 90M  
Solid one piece**



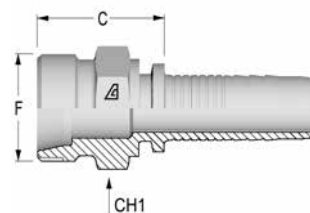
Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1202875	H1222493-04040M	1/4	6,4	04	9/16-18	04	29,8	32	17
1202715	H1222493-04060M	1/4	6,4	04	11/16-16	06	37,3	38	22
1202779	H1222493-05060M	5/16	7,9	05	11/16-16	06	40,7	34	22
1202780	H1222493-06060M	3/8	9,5	06	11/16-16	06	41,8	38	22
1202716	H1222493-06080M	3/8	9,5	06	13/16-16	08	43,8	41	24
1202781	H1222491-08080M	1/2	12,7	08	13/16-16	08	34,8	42	24
1202770	H1222493-08100M	1/2	12,7	08	1-14	10	48,3	47	30
1202782	H1222493-10100M	5/8	15,9	10	1-14	10	55,4	44	30
1203137	H1222493-10120M	5/8	15,9	10	1 3/16-12	12	55,4	58	36
1202783	H1222493-12120M	3/4	19	12	1 3/16-12	12	61,6	58	36
1202916	H1222493-12160M	3/4	19	12	1 7/16-12	16	65,6	71	41
1216748	H1222491-16120M	1	25,4	16	1 3/16-12	12	62,6	58	36
1202717	H1222493-16160M	1	25,4	16	1 7/16-12	16	82,6	66	41
1203069	H1222493-16200M	1	25,4	16	1 11/16-12	20	82,6	78	50
1202876	H1222493-20200M	1 1/4	31,8	20	1 11/16-12	20	97,0	78	50
1203132	H1222493-20240M	1 1/4	31,8	20	2-12	24	102,0	84	60
1202877	H1222493-24240M	1 1/2	38,1	24	2-12	24	107,8	87	60

Dimensions shown may be changed without prior notice

## // STANDARD - FRENCH INSERTS

### // H1211810

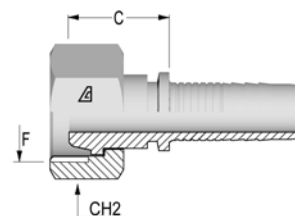
**Metric Male  
French Type**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Hose OD mm	C CUT-OFF Factor	CH1 mm
1200522	H1211810-052000	5/16	7,9	05	20x1,5	13,25	25,3	22
1200317	H1211810-062000	3/8	9,5	06	20x1,5	13,25	25,3	22
1200361	H1211810-082400	1/2	12,7	08	24x1,5	16,75	27,1	24
1200404	H1211810-103000	5/8	15,9	10	30x1,5	21,25	31,1	30
1200435	H1211810-123600	3/4	19	12	36x1,5	26,75	33,6	36

### // H1221813

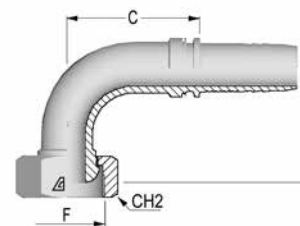
**Metric Female  
French Type**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	Hose OD mm	C CUT-OFF Factor	CH2 mm
1200651	H1221813-052000	5/16	7,9	05	20x1,5	13,25	23,8	24
1200681	H1221813-062000	3/8	9,5	06	20x1,5	13,25	23,8	24
1200717	H1221813-082400	1/2	12,7	08	24x1,5	16,75	26,8	30
1200744	H1221813-103000	5/8	15,9	10	30x1,5	21,25	26,6	36
1200770	H1221813-123600	3/4	19	12	36x1,5	26,75	27	42

### // H1221893

**90° Metric Female  
French type**



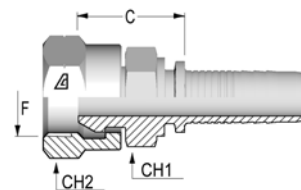
Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1200654	H1221893-052000	5/16	7,9	05	20x1,5	13,25	32,5	36,5	24
1200683	H1221893-062000	3/8	9,5	06	20x1,5	13,25	36,7	44	24
1200719	H1221893-082400	1/2	12,7	08	24x1,5	16,75	39,5	46	30
1203156	H1221893-103000	5/8	15,9	10	30x1,5	21,25	43	49	36
1200773	H1221893-123600	3/4	19	12	36x1,5	26,75	46,6	48,5	42



## // STANDARD - JIS INSERTS

### // H1223711

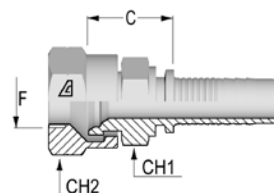
JIS Female 60° Cone B 8363 (type C)



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm	CH2 mm
1203110	H1223711-040400	1/4	6,4	04	1/4-19	04	24,3	17	19
1226067	H1223711-040600	1/4	6,4	04	3/8-19	06	25,5	19	22
1203109	H1223711-060600	3/8	9,5	06	3/8-19	06	25,5	19	22
1226068	H1223711-060800	3/8	9,5	06	1/2-14	08	25,3	22	27
1203108	H1223711-080800	1/2	12,7	08	1/2-14	08	26,1	22	27
1226069	H1223711-100800	5/8	15,9	10	1/2-14	08	30,1	30	27
1226549	H1223711-101200	5/8	15,9	10	3/4-14	12	27,1	24	36
1203107	H1223711-121200	3/4	19	12	3/4-14	12	33,1	30	36
1214218	H1223711-161600	1	25,4	16	1-11	16	35,4	36	41

### // H122381Z

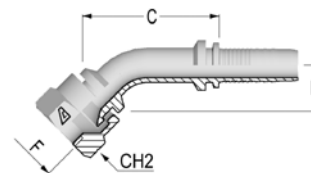
JIS Female 60° Seat Flare B 8363 (type F)



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm	CH2 mm
1202947	H122381Z-040400	1/4	6,4	04	1/4-19	04	20,8	17	19
1202879	H122381Z-060600	3/8	9,5	06	3/8-19	06	21,8	19	22
1202878	H122381Z-080800	1/2	12,7	08	1/2-14	08	23,6	22	27
1203106	H122381Z-121200	3/4	19	12	3/4-14	12	27,1	30	36
1203105	H122381Z-161600	1	25,4	16	1-11	16	32,9	36	41
1201585	H122381Z-202000	1 1/4	31,8	20	1 1/4-11	20	39,5	46	50
1201677	H122381Z-242400	1 1/2	38,1	24	1 1/2-11	24	41,5	50	55

### // H122384Z

45° JIS Female 60° B 8363 Seat Flare (type F)

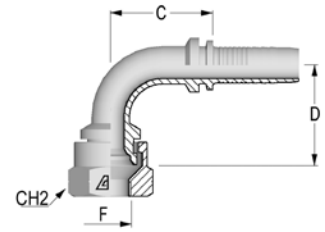


Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1203104	H122384Z-040400	1/4	6,4	04	1/4-19	04	42,4	14,2	19
1203103	H122384Z-060600	3/8	9,5	06	3/8-19	06	50,8	16,5	22
1203102	H122384Z-080800	1/2	12,7	08	1/2-14	08	54,5	18	27
1203101	H122384Z-121200	3/4	19	12	3/4-14	12	70,7	21,7	36
1203100	H122384Z-161600	1	25,4	16	1-11	16	81,6	28,7	41

Dimensions shown may be changed without prior notice

## // H122389Z

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

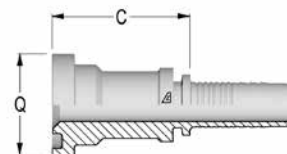


Item Code	Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	D DROP mm	CH2 mm
1203095	H122389Z-040400	1/4	6,4	04	1/4-19	04	27,7	29,5	19
1203094	H122389Z-060600	3/8	9,5	06	3/8-19	06	31,8	33	22
1203093	H122389Z-080800	1/2	12,7	08	1/2-14	08	37,5	36,5	27
1203092	H122389Z-121200	3/4	19	12	3/4-14	12	50	47	36
1203091	H122389Z-161600	1	25,4	16	1-11	16	76,4	64,5	41

# // STANDARD - SEA FLANGE

## // H1243310

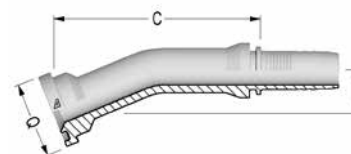
Flange SAE 3000 PSI J518 Part Number 61 SFL



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	Flange SIZE	Max WP psi	Q mm	C CUT-OFF Factor
1202747	H1243310-080800	1/2	12,7	08	1/2	5000	30,2	41,0
1202763	H1243310-081200	1/2	12,7	08	3/4	5000	38,1	42,0
1202801	H1243310-101200	5/8	15,9	10	3/4	5000	38,1	42,2
1201734	H1243310-121200	3/4	19	12	3/4	5000	38,1	42,5
1202750	H1243310-121600	3/4	19	12	1	5000	44,5	50,5
1201408	H1243310-161600	1	25,4	16	1	5000	44,5	51,4
1201409	H1243310-162000	1	25,4	16	1 1/4	4000	50,8	53,9
1216849	H1243310-162400	1	25,4	16	1 1/2	3000	60,3	56,9
1221654	H1243310-201600	1 1/4	31,8	20	1	5000	44,5	53,0
1201410	H1243310-202000	1 1/4	31,8	20	1 1/4	4000	50,8	55,5
1201411	H1243310-202400	1 1/4	31,8	20	1 1/2	3000	60,3	58,5
1201412	H1243310-242400	1 1/2	38,1	24	1 1/2	3000	60,3	58,5
1201413	H1243310-243200	1 1/2	38,1	24	2	3000	71,4	70,0
1221662	H1243310-322400	2	50,8	32	1 1/2	3000	60,3	66,0
1201414	H1243310-323200	2	50,8	32	2	3000	71,4	70,0
1202074	H1243310-324000	2	50,8	32	2 1/2	2500	81,1	83,0

## // H1243320

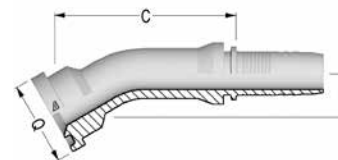
22° Flange SAE 3000 PSI J518 Part Number 61 SFL 22  
Solid one piece



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	Flange SIZE	Max WP psi	Q mm	C CUT-OFF Factor	D DROP mm
1216854	H1243320-161600	1	25,4	16	1	5000	44,5	86,4	12
1216856	H1243320-202000	1 1/4	31,8	20	1 1/4	4000	50,8	100,6	16
1216857	H1243320-202400	1 1/4	31,8	20	1 1/2	3000	60,3	117	20,5
1216858	H1243320-242400	1 1/2	38,1	24	1 1/2	3000	60,3	133,5	22
1216859	H1243320-323200	2	50,8	32	2	3000	71,4	150	30

## // H1243330

30° Flange SAE 3000 PSI J518 Part Number 61 SFL 30  
Solid one piece

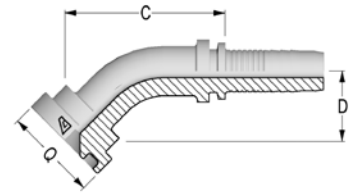


Item Code	Part Number	Hose ID in	Hose ID mm	DASH	Flange SIZE	Max WP psi	Q mm	C CUT-OFF Factor	D DROP mm
1216861	H1243330-121200	3/4	19	12	3/4	5000	38,1	67,7	12
1216862	H1243330-121600	3/4	19	12	1	5000	44,5	70,7	12
1216863	H1243330-161600	1	25,4	16	1	5000	44,5	69,3	12
1216864	H1243330-162000	1	25,4	16	1 1/4	4000	50,8	67,1	12
1216865	H1243330-162400	1	25,4	16	1 1/2	3000	60,3	75	12
1216866	H1243330-202000	1 1/4	31,8	20	1 1/4	4000	50,8	74,3	12
1216867	H1243330-202400	1 1/4	31,8	20	1 1/2	3000	60,3	81,5	13
1216868	H1243330-242400	1 1/2	38,1	24	1 1/2	3000	60,3	136	23
1216869	H1243330-243200	1 1/2	38,1	24	2	3000	71,4	136,9	29,5

Dimensions shown may be changed without prior notice

## // H1243340

45° Flange SAE 3000 PSI J518 Part Number 61 SFL 45  
Solid one piece

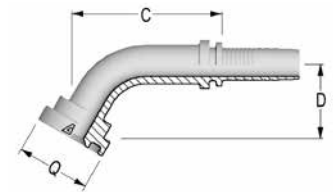


Item Code	Part Number	Hose ID in	Hose ID mm	DASH	Flange SIZE	Max WP psi	Q mm	C CUT-OFF Factor	D DROP mm
1202748	H1243340-080800	1/2	12,7	08	1/2	5000	30,2	43,7	22
1202751	H1243340-081200	1/2	12,7	08	3/4	5000	38,1	50,4	26
1202804	H1243340-101200	5/8	15,9	10	3/4	5000	38,1	55,1	26
1202678	H1243340-121200	3/4	19	12	3/4	5000	38,1	63,8	32
1202752	H1243340-121600	3/4	19	12	1	5000	44,5	68,0	29
1214223	H1243340-122000	3/4	19	12	1	5000	50,8	70	32
1202681	H1243340-161600	1	25,4	16	1	5000	44,5	72,8	33,5
1201845	H1243340-162000	1	25,4	16	1 1/4	4000	50,8	72,3	36
1216872	H1243340-201600	1 1/4	31,8	20	1 1/4	5000	44,5	104,7	35,1
1201848	H1243340-202000	1 1/4	31,8	20	1 1/4	4000	50,8	85,2	37,5
1202677	H1243340-202400	1 1/4	31,8	20	1 1/4	3000	60,3	92,8	40
1216873	H1243340-242000	1 1/2	38,1	24	1 1/2	4000	50,8	98	45
1202753	H1243340-242400	1 1/2	38,1	24	1 1/2	3000	60,3	105,4	48
1202754	H1243340-243200	1 1/2	38,1	24	2	3000	71,4	124,3	55,5
1201982	H1243340-323200	2	50,8	32	2	3000	71,4	129,5	47,5

59

## // H1243360

60° Flange SAE 3000 PSI J518 Part Number 61 SFL 60  
Solid one piece

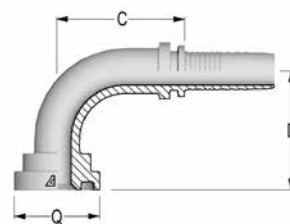


Item Code	Part Number	Hose ID in	Hose ID mm	DASH	Flange SIZE	Max WP psi	Q mm	C CUT-OFF Factor	D DROP mm
1216877	H1243360-080800	1/2	12,7	08	1/2	5000	30,2	70	28
1216878	H1243360-121200	3/4	19	12	3/4	5000	38,1	86	37
1216879	H1243360-121600	3/4	19	12	1	5000	44,5	102	44
1216880	H1243360-161600	1	25,4	16	1	5000	44,5	101	47
1216881	H1243360-162000	1	25,4	16	1 1/4	4000	50,8	106,5	43,5
1216882	H1243360-202000	1 1/4	31,8	20	1 1/4	4000	50,8	129,5	56,5
1202882	H1243360-242400	1 1/2	38,1	24	1 1/2	3000	60,3	151	57
1226573	H1243360-243200	1 1/2	38,1	24	2	3000	71,4	160	80
1216884	H1243360-323200	2	50,8	32	2	3000	71,4	164,4	92

HYDRAULIC FITTINGS

**// H1243390**

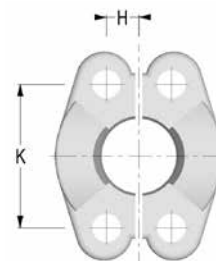
**90° Flange SAE 3000 PSI J518 Code 61 SFL 90**  
**Solid one piece**



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	Flange SIZE	Max WP psi	Q mm	C CUT-OFF Factor	D DROP mm
1202749	H1243390-080800	1/2	12,7	08	1/2	5000	30,2	45,8	42
1202755	H1243390-081200	1/2	12,7	08	3/4	5000	38,1	45,3	51
1216886	H1243390-081600	1/2	12,7	08	1	5000	44,5	59,9	63
1202805	H1243390-101200	5/8	15,9	10	3/4	5000	38,1	49,4	51
1202679	H1243390-121200	3/4	19	12	3/4	5000	38,1	57,7	60
1202756	H1243390-121600	3/4	19	12	1	5000	44,5	66,2	64,5
1202883	H1243390-122000	3/4	19	12	1 1/4	4000	50,8	68	70
1202680	H1243390-161600	1	25,4	16	1	5000	44,5	70,6	67
1201846	H1243390-162000	1	25,4	16	1 1/4	4000	50,8	73,6	71
1216894	H1243390-162400	1	25,4	16	1 1/2	3000	60,3	93,1	75
1202884	H1243390-201600	1 1/4	31,8	20	1	5000	44,5	94,4	65
1201847	H1243390-202000	1 1/4	31,8	20	1 1/4	4000	50,8	88,0	84
1202676	H1243390-202400	1 1/4	31,8	20	1 1/2	3000	60,3	91,5	87,5
1202806	H1243390-242000	1 1/2	38,1	24	1 1/4	4000	50,8	93,6	93
1202757	H1243390-242400	1 1/2	38,1	24	1 1/2	3000	60,3	104,8	91
1202758	H1243390-243200	1 1/2	38,1	24	2	3000	71,4	104,8	115
1216898	H1243390-322400	2	50,8	32	1 1/2	3000	60,3	132,8	133
1201983	H1243390-323200	2	50,8	32	2	3000	71,4	127,2	130
1203169	H1243390-3240S0	2	50,8	32	2 1/2	2500	84,1	130	160

**// H10W3320**

**Split Flange Clamp Half 3000 PSI J518 Code 61 FHL**

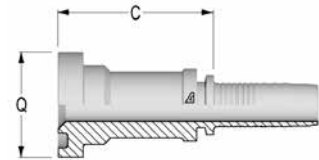


Item Code	Part Number	Flange SIZE	K mm	H mm
1900451	H10W3320-080000	1/2	38,1	8,7
1900457	H10W3320-120000	3/4	47,6	11,1
1900452	H10W3320-160000	1	52,4	13,1
1900454	H10W3320-200000	1 1/4	58,7	15,1
1900453	H10W3320-240000	1 1/2	69,9	17,9
1900455	H10W3320-320000	2	77,8	21,4

Dimensions shown may be changed without prior notice

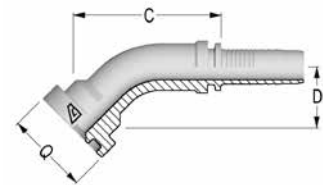
## // H1243610

Flange SAE 6000 PSI J518 Code 62 SFS



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	Flange SIZE	Max WP psi	Q mm	C CUT-OFF Factor
1202511	H1243610-080800	1/2	12,7	08	1/2	6000	31,8	47,0
1202759	H1243610-081200	1/2	12,7	08	3/4	6000	41,3	52,0
1202807	H1243610-101200	5/8	15,9	10	3/4	6000	41,3	52,2
1226137	H1243610-101600	5/8	15,9	10	1	6000	47,6	55,7
1202733	H1243610-121200	3/4	19	12	3/4	6000	41,3	52,5
1202760	H1243610-121600	3/4	19	12	1	6000	47,6	55,5
1216908	H1243610-161200	1	25,4	16	3/4	6000	41,3	56,4
1201415	H1243610-161600	1	25,4	16	1	6000	47,6	56,4
1201416	H1243610-162000	1	25,4	16	1 1/4	6000	54	63,4
1201417	H1243610-202000	1 1/4	31,8	20	1 1/4	6000	54	83,0
1201418	H1243610-202400	1 1/4	31,8	20	1 1/2	6000	63,5	71,0
1216909	H1243610-242000	1 1/2	38,1	24	1 1/4	6000	54	95,0
1201419	H1243610-242400	1 1/2	38,1	24	1 1/2	6000	63,5	101,0
1201420	H1243610-243200	1 1/2	38,1	24	2	6000	79,4	76,0
1201421	H1243610-323200	2	50,8	32	2	6000	79,4	76,0

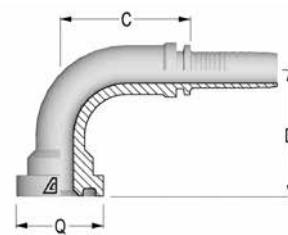
## // H1243640

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

Item Code	Part Number	Hose ID in	Hose ID mm	DASH	Flange SIZE	Max WP psi	Q mm	C CUT-OFF Factor	D DROP mm
1201729	H1243640-080800	1/2	12,7	08	1/2	6000	31,8	46,6	23
1202764	H1243640-081200	1/2	12,7	08	3/4	6000	41,3	67,2	30,5
1216910	H1243640-101200	5/8	15,9	10	3/4	6000	41,3	69,0	31
1202082	H1243640-121200	3/4	19	12	3/4	6000	41,3	71,4	31
1202083	H1243640-121600	3/4	19	12	1	6000	47,6	65,2	33,5
1201794	H1243640-161600	1	25,4	16	1	6000	47,6	81,9	36
1202091	H1243640-162000	1	25,4	16	1 1/4	6000	54	78,4	39
1216911	H1243640-201600	1 1/4	31,8	20	1	6000	47,6	99,2	35
1202761	H1243640-202000	1 1/4	31,8	20	1 1/4	6000	54	90,9	40
1202452	H1243640-202400	1 1/4	31,8	20	1 1/2	6000	63,5	93,6	45,5
1202453	H1243640-242400	1 1/2	38,1	24	1 1/2	6000	63,5	101,7	45
1202765	H1243640-243200	1 1/2	38,1	24	2	6000	79,4	106,4	57,5
1202734	H1243640-323200	2	50,8	32	2	6000	79,4	129,7	60

**// H1243690**

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



Item Code	Part Number	Hose ID in	Hose ID mm	DASH	Flange SIZE	Max WP psi	Q mm	C CUT-OFF Factor	D DROP mm
1202257	H1243690-080800	1/2	12,7	08	1/2	6000	31,8	47,8	46
1202766	H1243690-081200	1/2	12,7	08	3/4	6000	41,3	47,8	54
1202808	H1243690-100800	5/8	15,9	10	1/2	6000	31,8	50,4	52
1202814	H1243690-101200	5/8	15,9	10	3/4	6000	41,3	49,9	55
1226603	H1243690-101600	5/8	15,9	10	1	6000	47,6	51,4	75
1202075	H1243690-121200	3/4	19	12	3/4	6000	41,3	63,2	61
1201795	H1243690-121600	3/4	19	12	1	6000	47,6	63,2	66
1216913	H1243690-161200	1	25,4	16	3/4	6000	41,3	72,6	61
1201739	H1243690-161600	1	25,4	16	1	6000	47,6	73,6	75
1202767	H1243690-162000	1	25,4	16	1 1/4	6000	54	77,6	78
1202735	H1243690-202000	1 1/4	31,8	20	1 1/4	6000	54	94,5	89
1202768	H1243690-202400	1 1/4	31,8	20	1 1/2	6000	63,5	98,0	94
1202736	H1243690-242400	1 1/2	38,1	24	1 1/2	6000	63,5	99,6	105
1202769	H1243690-243200	1 1/2	38,1	24	2	6000	79,4	114,7	123
1202762	H1243690-323200	2	50,8	32	2	6000	79,4	143,3	132



# QUICK RELEASE COUPLINGS

// ISO STANDARD

// OTHER STANDARD

// VALVE

// MULTI-K



# // 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

**Valve:** Poppet

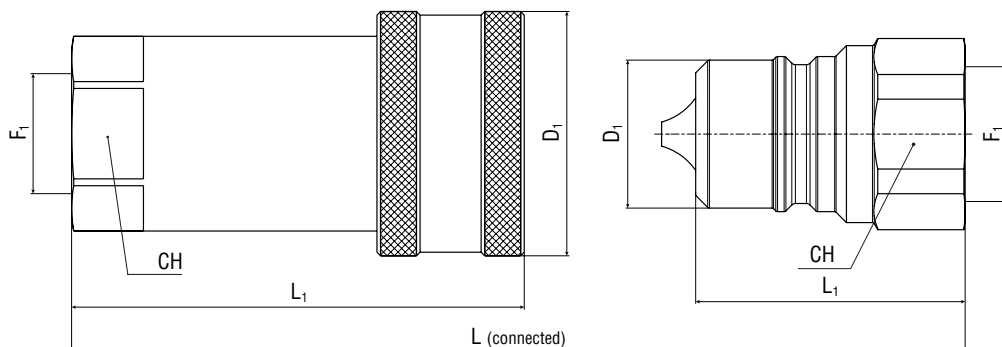
**Temperature range:**

from -20 °C to +100 °C

from -30 °C to +125 °C (metric version)

**Working Pressure:** to max 350 bar

**Sizes:** DN 6 to 25



### STANDARD ISO 7241 A - POPPET SVK-ISO-A

Item Code	⊕		WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1	CH	L1	L	
	Dash	mm									inch
<b>Female coupling - Female thread *</b>											
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
<b>Male coupling - Female thread *</b>											
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

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

Dimensions shown may be changed without prior notice

## // SVK-ISO-B

### POPPET STANDARD ISO 7241 B



- **Quick and simple coupling and uncoupling**

**Description:** 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.

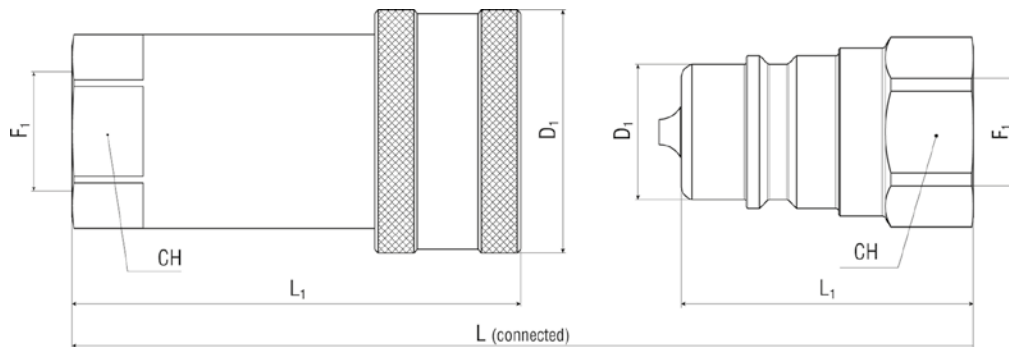
**Norm:** ISO 7241 B

**Valve:** Poppet

**Temperature range:** from -20 °C to +100 °C

**Working Pressure:** to max 300 bar

**Sizes:** DN 6 to 25



### STANDARD ISO 7241 B - POPPET SVK-ISO-B

Item Code				WP Conn.	BP Disconn.	Thread 1	F1	D1	CH	L1	L
	Dash	mm	inch	MPa	MPa						
<b>Female coupling - Female thread</b>											
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
<b>Male coupling - Female thread</b>											
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**

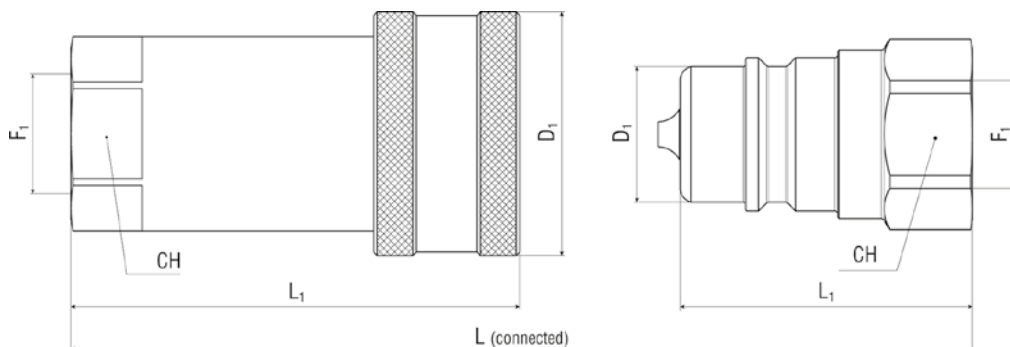
**Description:** ARGUS Agricultural/Normal quick release couplings are used for quick coupling and uncoupling of hydraulic lines. The SNK quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve. This guarantees a flush connection between the two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

**Valve:** Poppet

**Temperature range:** from -20 °C to +100 °C

**Working Pressure:** to max 350 bar

**Sizes:** DN 6 to 25



INDUSTRY STANDARD - POPPET SNK

Item Code				WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm	
	Dash	mm	inch									
<b>Female coupling - Female thread *</b>												
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	
<b>Male coupling - Female thread</b>												
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	

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

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**

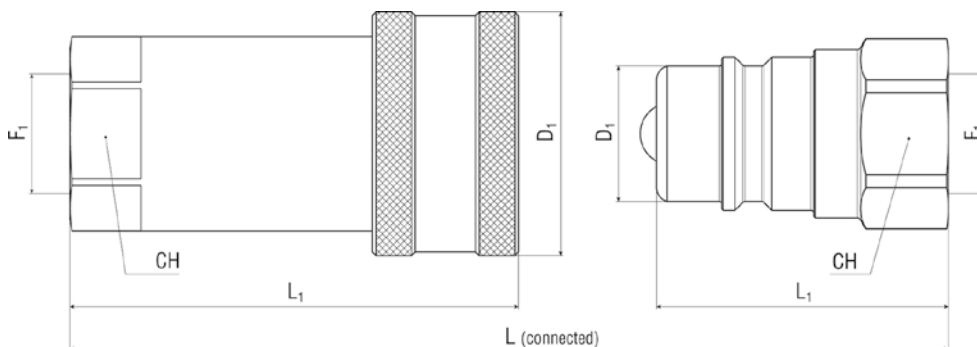
**Description:** ARGUS Agricultural/Normal quick release couplings with ball valve are used for quick coupling and uncoupling of hydraulic lines. The SNK-B quick release coupling, formed by the coupling plug and the coupling socket, is connected by pushing on a sleeve.

**Valve:** Ball

**Temperature range:** from -20 °C to +100 °C

**Working Pressure:** to max 350 bar

**Sizes:** DN 6 to 25



**INDUSTRY STANDARD - BALL SNKB**

Item Code				WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm	
	Dash	mm	inch									
<b>Female coupling - Female thread</b>												
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	
<b>Male coupling - Female thread</b>												
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	

# // 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

**Description:** 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. It can be used as pull-off couplings by panel mounting the sleeve bush.

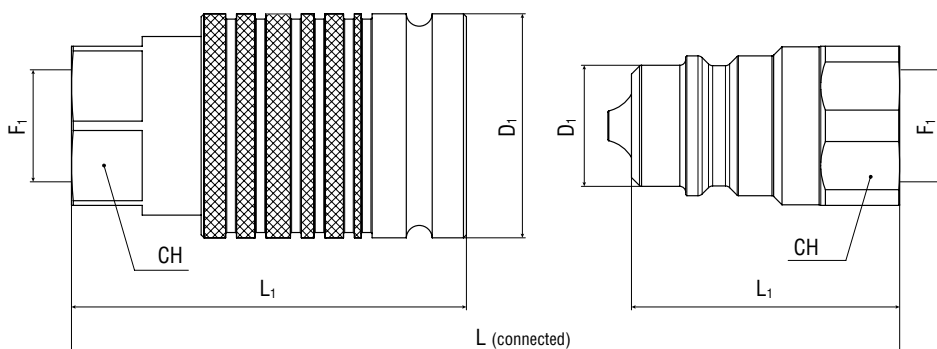
**Norm:** ISO 7241 A - ISO 5675 - SAE J 1036

**Valve:** Poppet

**Temperature range:** from -30 °C to +125 °C

**Working Pressure:** to max 400 bar

**Sizes:** DN 6 to 25



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

Item Code	⌀			WP Conn. MPa	BP Disconn. MPa	Thread 1	F1	D1 mm	CH mm	L1 mm	L mm
	Dash	mm	inch								

#### Female coupling - Female thread \*

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

#### Male coupling - Female thread \*

1233897	06	10,0	3/8"	40,0	160,0	MET	M16X1.5	17,3	22,0	36,0	73,20
1234566	08	13,0	1/2"	25,0	100,0	MET	M22X1.5	20,5	27,0	49,5	86,70
1233898	12	19,0	3/4"	25,0	100,0	MET	M30X1.5	29,1	35,0	49,5	99,40
1233893	04	6,0	1/4"	40,0	160,0	SAE-OB	7/16-20	11,8	19,0	32,0	64,10
1233894	06	10,0	3/8"	40,0	160,0	SAE-OB	3/4-16	17,3	24,0	39,5	79,20
1234565	08	13,0	1/2"	25,0	100,0	SAE-OB	3/4-16	20,5	27,0	49,5	86,70
1233895	12	19,0	3/4"	25,0	100,0	SAE-OB	1 1/16-12	29,1	35,0	55,5	110,90
1233896	16	25,0	1"	25,0	100,0	SAE-OB	1 5/16-12	34,3	40,0	60,5	121,30

\* BBSPP 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.

Dimensions shown may be changed without prior notice

# // SPK-1H

POPPET STANDARD ISO 5675



## TOP COAT



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

**Description:** 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.

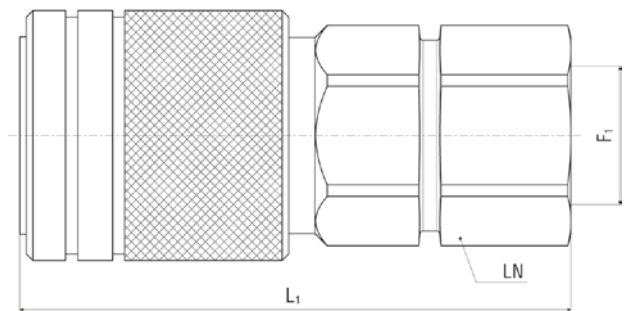
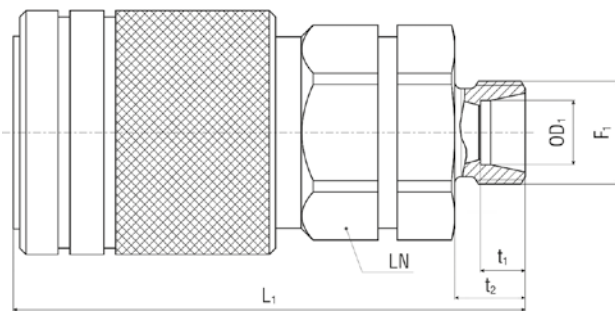
**Norm:** ISO 5675 - SAE J 1036

**Valve:** Push pull

**Temperature range:** from -30 °C to +125 °C

**Working Pressure:** 250 bar

**Sizes:** DN 13



### STANDARD ISO 5675 - POPPET SPK-1H

Item Code	⊗			WP Conn. MPa	Thread 1	F1	OD1 mm	t1 mm	t2 mm	L1 mm	LN mm
	Dash	mm	inch								

#### Female coupling - Metric 24° light series \*

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

Item Code	⊗			WP Conn. MPa	Thread 1	F1	L1 mm	LN mm
	Dash	mm	inch					

#### Female coupling - Female thread \*\*

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

\* Metric 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.



# // SRK-1H

POPPET RIGID PIPES ISO 5675



TOP COAT



- 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

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

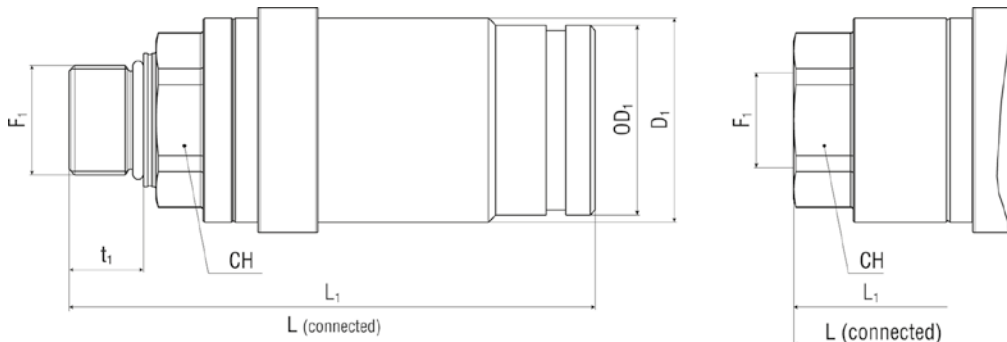
**Norm:** ISO 5675

**Valve:** Push pull

**Temperature range:** from -30 °C to +125 °C

**Working Pressure:** 250 bar

**Sizes:** DN 13



## STANDARD ISO 5675 - POPPET SRK-1H

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										
<b>Female coupling - Male thread *</b>													
1232324	08	13,0	1/2"	25,0	100,0	D24L	M22X1.5	38	41,0	15,0	32,0	104,0	140,20
1234641	08	13,0	1/2"	25,0	100,0	D24L	M18X1.5	38	41,0	14,0	32,0	103,0	138,20
1239799	08	13,0	1/2"	25,0	100,0	MET	M18X1.5	38	41,0	14,0	32,0	103,0	138,20
<b>Female coupling - Female thread **</b>													
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	138,20

\* 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.

Dimensions shown may be changed without prior notice



HIFLOW TRUCK TYPE POPPET



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

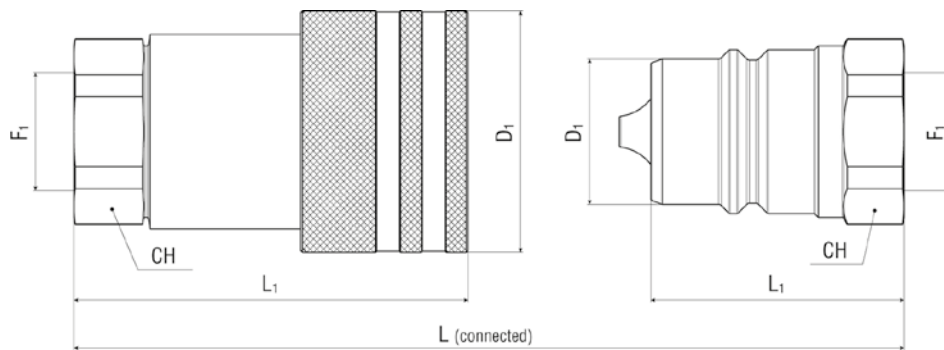
**Description:** ARGUS SHK are used for quick coupling and uncoupling of hydraulic lines. The SHK quick release coupling, formed by the coupling plug and the coupling socket, is coupled by pushing on a sleeve. This guarantees a flush connection between the two coupling halves. The sleeve is designed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

**Valve:** Poppet

**Temperature range:** from -20 °C to +125 °C

**Working Pressure:** 300 bar

**Sizes:** DN 25



HIFLOW TRUCK TYPE - POPPET SHK

Item Code				WP Conn.	BP Disconn.	Thread 1	F1	D1	CH	L1	L
	Dash	mm	inch								

Female coupling - Female thread \*

1233551	16	25,0	1"	30,0	120,0	BSPP	1-11	64,5	46,0	108,0	132,60
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Male coupling - Female thread \*

1233552	16	25,0	1"	30,0	120,0	BSPP	1-11	38,3	46,0	66,0	132,60
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\* BSPP connection according to DIN 3852-2-X.

HIFLOW TRUCK TYPE PRESSURE ELIMINATION SYSTEM - POPPET SHK

Item Code				WP Conn.	BP Disconn.	Thread 1	F1	D1	CH	L1	L
	Dash	mm	inch								

Female coupling - Female thread \*

1233723	16	25,0	1"	30,0	120,0	BSPP	1-11	64,5	46,0	108,0	132,60
---------	----	------	----	------	-------	------	------	------	------	-------	--------

Male coupling - Female thread \*

1233724	16	25,0	1"	30,0	120,0	BSPP	1-11	38,3	46,0	66,0	132,60
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\* BSPP connection according to DIN 3852-2-X.

# // RV

## NON RETURN VALVE

TOP COAT



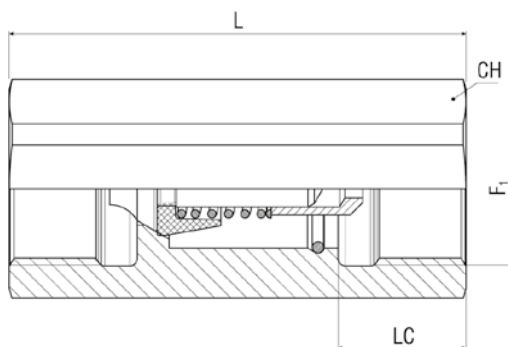
- One-piece housing
- Low pressure drop

**Description:** 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.

**Temperature range:** from -30 °C to +125 °C

**Working Pressure:** to max 400 bar

**Sizes:** DN 6 to 25



### NON RETURN VALVE - RV

Item Code				WP bar	Opening press. bar	Thread 1P	F1 mm	CH mm	LC mm	L mm
	Dash	mm	in							
<b>Female thread</b>										
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
1228914	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
1228915	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
1228918	16	16	5/8"	250	0,50	BSPP	1-11	41,0	18,0	73,0
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

BSPP connection according to DIN 3852-2-X, metric connection according to DIN 3852.

Dimensions shown may be changed without prior notice

# // MULTI-K

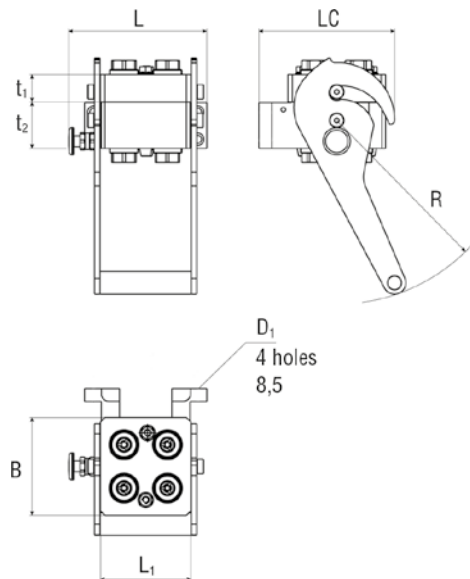
## MULTI-COUPLING



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

**Description:** 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".

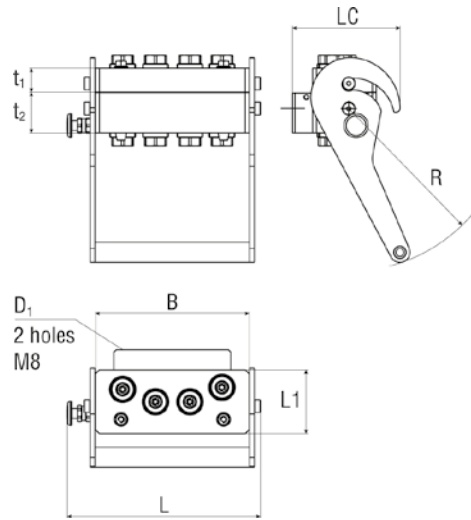
**Working Pressure:** 250 bar  
**Sizes:** DN 10 to 19



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

Item Code				WP Conn. MPa	Thread 1	F1	Lines	t1	t2	LC	L1	L	B	R	
	Dash	mm	inch					mm	mm						
<b>Mobile male - Female thread *</b>															
1232494	06	10,0	3/8"	100,0	BSPP	3/8-19	4x3/8	30,0	-	150,0	100,0	153,00	108,0	203	
1232496	08	13,0	1/2"	100,0	BSPP	1/2-14	4x1/2	30,0	-	150,0	100,0	153,00	108,0	203	
<b>Fixed male - Female thread *</b>															
1232495	06	10,0	3/8"	100,0	BSPP	3/8-19	4x3/8	-	51,0	150,0	100,0	153,00	108,0	203	
1232497	08	13,0	1/2"	100,0	BSPP	1/2-14	4x1/2	-	51,0	150,0	100,0	153,00	108,0	203	

\* Electric connection also available.

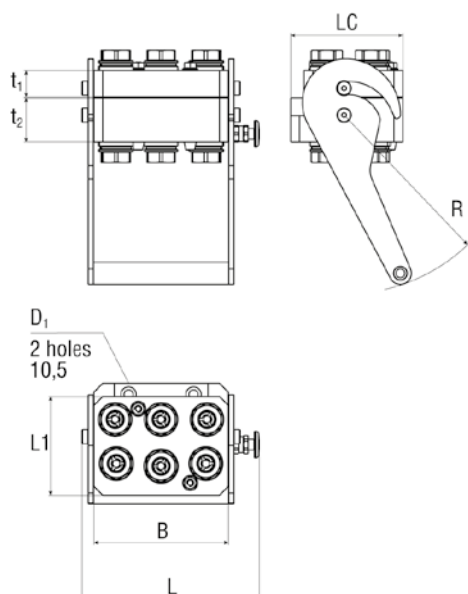


**MULTI-K 4x3/8" AND MULTI-K 4x1/2"**

Item Code				WP Conn. MPa	Thread 1	F1	Lines	t1	t2	LC	L1	L	B	R	
	Dash	mm	inch					mm	mm						
<b>Mobile male - Female thread *</b>															
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	
<b>Fixed male - Female thread *</b>															
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	

\* Electric connection also available.

Dimensions shown may be changed without prior notice



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

Item Code				WP Conn. MPa	Thread 1	F1	Lines	t1	t2	LC	L1	L	B	R
	Dash	mm	inch					mm	mm					
<b>Mobile male - Female thread *</b>														
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
<b>Fixed male - Female thread *</b>														
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

\* Electric connection also available.









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