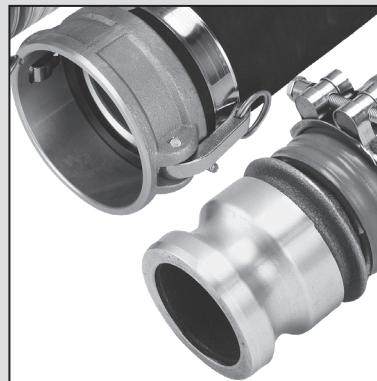


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Cam & Groove Couplings

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Universal Claw Fittings

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Combination Steel Fittings

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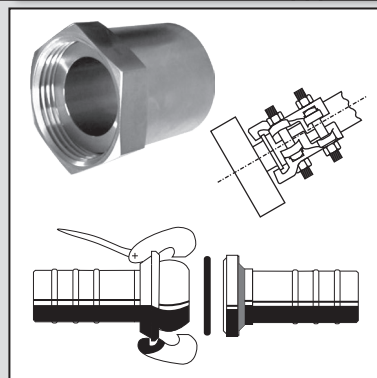
Bolted Clamps

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Special Purpose Fittings

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Safe Practice Requirements

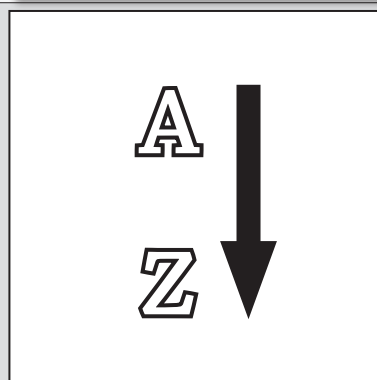
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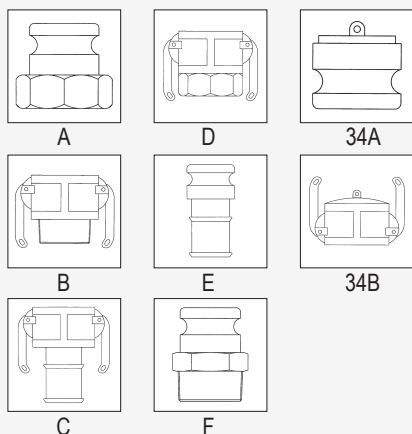
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Page 36



KAMLOKS

QUICK CONNECT COUPLINGS FOR INDUSTRIAL HOSE



Description:

- Industrial strength Kamloks made to rigorous specifications
- Feature the Treloar® patented Twin-Kam levers that are guaranteed for life (see page 16)
- Tight, leakproof couplings suited to both pressure and vacuum conditions
- Coupling ease - minimum effort. Only 20 kg of force at the ends of the cam arms lock coupler and adaptor together
- Adaptors are fully compatible with Autolok Couplers

Gasket:

- A Buna 'N' Nitrile Gasket is supplied with female couplers as standard
- Other gasket materials available upon request

Materials and Specifications:

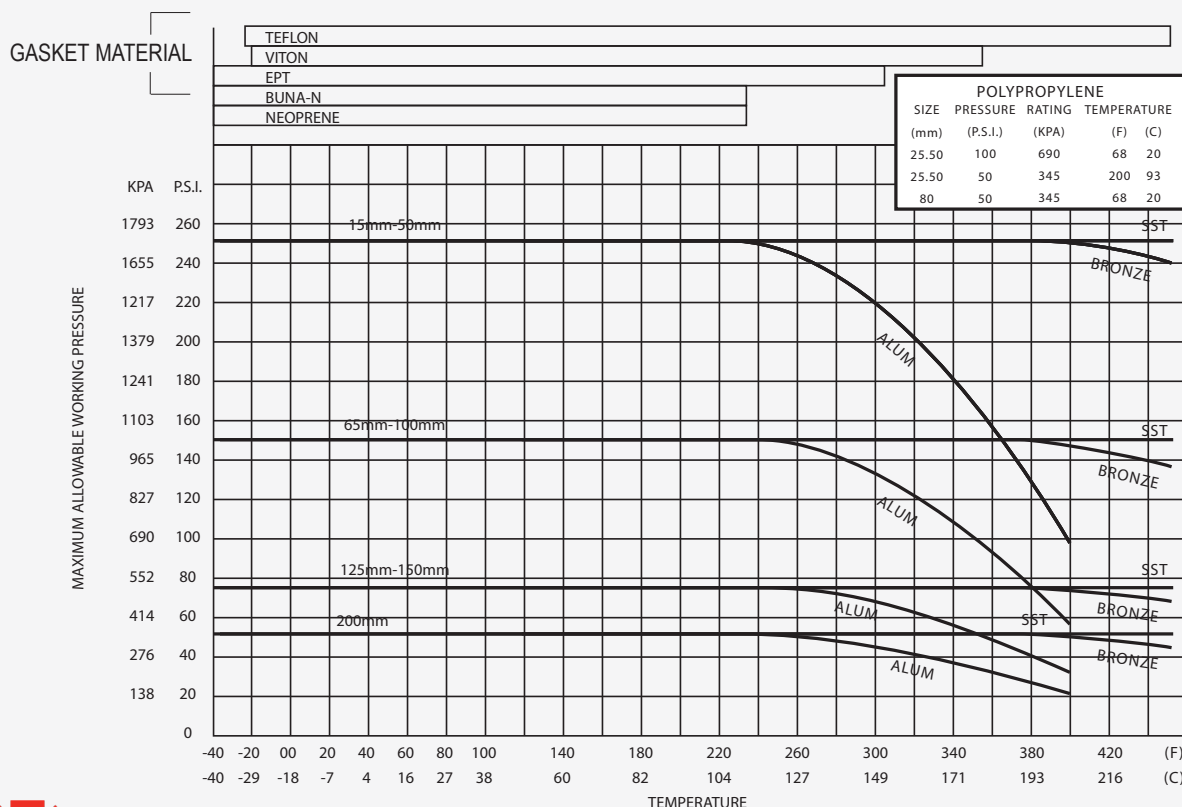
- Sizes:**
Made in 15mm (1/2") to 150mm (6") sizes, and available in all coupler styles including dust caps
- Material:**
Sand cast / machined Aluminium
Stainless steel 316
Bronze
Polypropylene
- Accessories:**
See pages 16 - 17 for details of pins, lever arms, and gaskets available separately

Applications:

- MIL-C- 27487
- Temperature / Pressure Range:
See the graph below for full details of pressure and temperature capabilities for all types and sizes
- Safety:
Kamloks pass a hydrostatic proof test of a minimum of 2100 kPa up to 100 mm sizes, and 1400 kPa beyond. Special configurations are tested at pressures to suit the applications
- Warning:



Must not be used for steam or compressed air



K633A

ADAPTOR

FEMALE BSPT THREAD



Size mm	BSPT	Alum.	Bronze	Polyprop.	S.Steel 316	Dimensions mm		
						Length	Min. ID	Corners
15	1/2"	K633A-015-AL	K633A-015-BR		K633A-015-SS	41	14	36
20	3/4"	K633A-020-AL	K633A-020-BR		K633A-020-SS	41	20	36
25	1"	K633A-025-AL	K633A-025-BR	K633A-025-PP	K633A-025-SS	45	23	42
32	1.1/4"	K633A-032-AL	K633A-032-BR		K633A-032-SS	56	27	56
40	1.1/2"	K633A-040-AL	K633A-040-BR	K633A-040-PP	K633A-040-SS	56	34	58
50	2"	K633A-050-AL	K633A-050-BR	K633A-050-PP	K633A-050-SS	74	45	73
65	2.1/2"	K633A-065-AL	K633A-065-BR		K633A-065-SS	83	56	86
80	3"	K633A-080-AL	K633A-080-BR	K633A-080-PP	K633A-080-SS	72	72	109
100	4"	K633A-100-AL	K633A-100-BR		K633A-100-SS	81	98	140
125	5"	K633A-125-AL	K633A-125-BR			86	120	162
150	6"	K633A-150-AL	K633A-150-BR		K633A-150-SS	93	149	197

K633B

COUPLER

MALE BSPT THREAD



Size mm	BSPT	Alum.	Bronze	Polyprop.	S.Steel 316	Dimensions mm *		
						Length	Max Ø	Min ID
15	1/2"				K633B-015-SS			
20	3/4"	K633B-020-AL	K633B-020-BR		K633B-020-SS	53	54	19
25	1"	K633B-025-AL	K633B-025-BR	K633B-025-PP	K633B-025-SS	70	64	24
32	1.1/4"	K633B-032-AL	K633B-032-BR		K633B-032-SS	73	80	31
40	1.1/2"	K633B-040-AL	K633B-040-BR	K633B-040-PP	K633B-040-SS	70	90	38
50	2"	K633B-050-AL	K633B-050-BR	K633B-050-PP	K633B-050-SS	80	100	48
65	2.1/2"	K633B-065-AL	K633B-065-BR		K633B-065-SS	90	112	70
80	3"	K633B-080-AL	K633B-080-BR	K633B-080-PP	K633B-080-SS	94	134	74
100	4"	K633B-100-AL	K633B-100-BR		K633B-100-SS	100	165	94
125	5"							
150	6"	K633B-150-AL	K633B-150-BR		K633B-150-SS	141	260	135

* Max Outside Diameter applies with cam levers in closed position

K633C

COUPLER

HOSE TAIL



Size mm	Tail inches	Alum.	Bronze	Polyprop.	S.Steel 316	Dimensions mm		
						Length	Max Ø	Exposed
15	1/2"							
20	3/4"	K633C-020-AL	K633C-020-BR		K633C-020-SS	83	54	32
25	1"	K633C-025-AL	K633C-025-BR	K633C-025-PP	K633C-025-SS	98	64	41
32	1.1/4"	K633C-032-AL	K633C-032-BR		K633C-032-SS	105	80	46
40	1.1/2"	K633C-040-AL	K633C-040-BR	K633C-040-PP	K633C-040-SS	107	90	47
50	2"	K633C-050-AL	K633C-050-BR	K633C-050-PP	K633C-050-SS	124	100	54
65	2.1/2"	K633C-065-AL	K633C-065-BR		K633C-065-SS	137	112	57
80	3"	K633C-080-AL	K633C-080-BR	K633C-080-PP	K633C-080-SS	162	134	60
100	4"	K633C-100-AL	K633C-100-BR		K633C-100-SS	172	165	62
125	5"	K633C-125-AL	K633C-125-BR			189	191	62
150	6"	K633C-150-AL	K633C-150-BR		K633C-150-SS	215	260	69

K633D

COUPLER

FEMALE BSPT THREAD



Size mm	BSPT	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm *		
						Length	Min. ID	Max Ø
15	1/2"	K633D-015-AL	K633D-015-BR		K633D-015-SS	51	16	54
20	3/4"	K633D-020-AL	K633D-020-BR		K633D-020-SS	51	22	54
25	1"	K633D-025-AL	K633D-025-BR	K633D-025-PP	K633D-025-SS	68	24	64
32	1.1/4"	K633D-032-AL	K633D-032-BR		K633D-032-SS	75	34	80
40	1.1/2"	K633D-040-AL	K633D-040-BR	K633D-040-PP	K633D-040-SS	72	36	90
50	2"	K633D-050-AL	K633D-050-BR	K633D-050-PP	K633D-050-SS	78	49	100
65	2.1/2"	K633D-065-AL	K633D-065-BR		K633D-065-SS	90	71	112
80	3"	K633D-080-AL	K633D-080-BR	K633D-080-PP	K633D-080-SS	91	75	134
100	4"	K633D-100-AL	K633D-100-BR		K633D-100-SS	97	94	165
125	5"	K633D-125-AL	K633D-125-BR			100	120	191
150	6"	K633D-150-AL	K633D-150-BR		K633D-150-SS	141	145	260

* Max Outside Diameter applies with cam levers in closed position

K633E

ADAPTOR

HOSE TAIL



Size mm	Tail inches	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm		
						Length	Max Ø	Exposed
15	1/2"	K633E-015-AL	K633E-015-BR		K633E-015-SS			
20	3/4"	K633E-020-AL	K633E-020-BR		K633E-020-SS	77	33	26
25	1"	K633E-025-AL	K633E-025-BR	K633E-025-PP	K633E-025-SS	104	42	46
32	1.1/4"	K633E-032-AL	K633E-032-BR		K633E-032-SS	110	54	52
40	1.1/2"	K633E-040-AL	K633E-040-BR	K633E-040-PP	K633E-040-SS	115	58	54
50	2"	K633E-050-AL	K633E-050-BR	K633E-050-PP	K633E-050-SS	130	64	60
65	2.1/2"	K633E-065-AL	K633E-065-BR		K633E-065-SS	140	87	60
80	3"	K633E-080-AL	K633E-080-BR	K633E-080-PP	K633E-080-SS	165	98	64
100	4"	K633E-100-AL	K633E-100-BR		K633E-100-SS	179	134	70
125	5"	K633E-125-AL	K633E-125-AL			197	160	70
150	6"	K633E-150-AL	K633E-150-BR		K633E-150-SS	223	187	77

K633F

ADAPTOR

MALE BSPT THREAD



Size mm	BSPT	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm		
						Length	Min. ID	Corners
15	1/2"	K633F-015-AL	K633F-015-BR		K633F-015-SS	59	14	36
20	3/4"	K633F-020-AL	K633F-020-BR		K633F-020-SS	59	19	36
25	1"	K633F-025-AL	K633F-025-BR	K633F-025-PP	K633F-025-SS	72	23	42
32	1.1/4"	K633F-032-AL	K633F-032-BR		K633F-032-SS	81	28	56
40	1.1/2"	K633F-040-AL	K633F-040-BR	K633F-040-PP	K633F-040-SS	77	34	57
50	2"	K633F-050-AL	K633F-050-BR	K633F-050-PP	K633F-050-SS	92	45	73
65	2.1/2"	K633F-065-AL	K633F-065-BR		K633F-065-SS	102	57	86
80	3"	K633F-080-AL	K633F-080-BR	K633F-080-PP	K633F-080-SS	109	74	110
100	4"	K633F-100-AL	K633F-100-BR		K633F-100-SS	116	97	135
125	5"	K633F-125-AL	K633F-125-BR					
150	6"	K633F-150-AL	K633F-150-BR		K633F-150-SS	137	149	197

K633AA

ADAPTOR JOINER



Size mm	Size	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm		
						Length	Min. ID	Max. Ø
50	2"	K633AA-050-AL	K633AA-050-BR			92	45	63
65	2.1/2"	K633AA-065-AL	K633AA-065-BR			97	57	76
80	3"	K633AA-080-AL	K633AA-080-BR			103	72	92
100	4"	K633AA-100-AL	K633AA-100-BR			108	98	120

K633BC

COUPLER 68° HOSE TAIL



Size mm	Size	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm		
						Length	Max. Ø	Arms Ø
50	2"	K633BC-050-AL	K633BC-050-BR			133	100	198
65	2.1/2"	K633BC-065-AL				157	112	211
80	3"	K633BC-080-AL				190	134	252
100	4"	K633BC-100-AL	K633BC-100-BR			233	165	280

K633M

ADAPTOR HOSE MENDER



Size mm	Size inches	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm		
						Length	Min. ID	
50	2"	K633M-050-AL	K633M-050-BR			150	45	
65	2.1/2"	K633M-065-AL				172	57	
80	3"	K633M-080-AL	K633M-080-BR			216	72	
100	4"	K633M-100-AL	K633M-100-BR			233	91	

K633LA

ADAPTOR x FLANGE



Size mm	Size	Alum.	Bronze	Polyprop.	S.Steel 316	Dimensions mm	
						Length	Flange Ø
50	2"	K633LA-050-AL	K633LA-050-BR			93	152.5
80	3"	K633LA-080-AL	K633LA-080-BR			99	190
100	4"	K633LA-100-AL				105	229
150	6"	K633LA-150-AL	K633LA-150-BR			129	280

See below for possible flange drilling patterns

K633LB

COUPLER x FLANGE

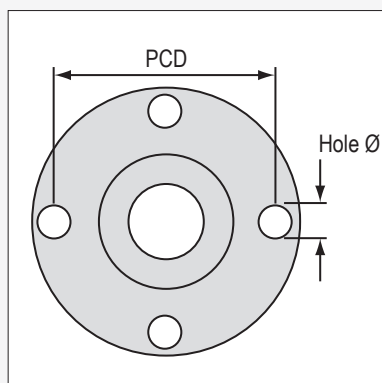


Size mm	Size	Alum.	Bronze	Polyprop.	S.Steel 316	Dimensions mm *	
						Length	Flange Ø
80	3"	K633LB-080-AL	K633LB-080-BR			118	190
100	4"	K633LB-100-AL	K633LB-100-BR			127	229
150	6"	K633LB-150-AL	K633LB-150-BR			177	280

See below for possible flange drilling patterns

FLANGE

DRILL PATTERNS TO ORDER



Nominal Size mm	80			100			150		
Flange Drilling Standard	ANSI 150	AS 2129	TTMA	ANSI 150	AS 2129	TTMA	ANSI 150	AS 2129	
		Table C/D/E			Table C/D/E*			Table C/D/E*	
Actual Flange Diameter (mm)	190			229			280		
OD according to Standard (mm)	191	185	143	229	215	169	280	280	
PCD (mm)	152.5	146	124	190.5	178	149/78	241.5	235	
No of Holes	4	4	6 or 8	8	4/8*	8 or 6	8	8	
Hole Ø	20 mm	18 mm	7/16"	20 mm	18 mm	7/16"/9/16"	22 mm	18/22* mm	
Bolt Diameter	16 mm	16 mm	3/8"	16 mm	16 mm	3/8"/1/2"	20 mm	16/20* mm	

Preferred drill pattern is the ANSI 150. Please contact Pirtek if other patterns are desired

TTMA specifications in 80 and 100 mm sizes are sometimes specified for Fuel Transfer applications.

* Denotes Table E requirement

K634A

DUST PLUG



Size mm	Size	Alum.	Bronze	Poly-prop.	S.Steel 316	Dimensions mm		
						Length	Max. Ø	
15	1/2	K634A-015-AL	K634A-015-BR		K634A-015-SS	38	33	
20	3/4	K634A-020-AL	K634A-020-BR		K634A-020-SS	38	33	
25	1	K634A-025-AL	K634A-025-BR	K634A-025-PP	K634A-025-SS	47	37	
32	1.1/4	K634A-032-AL	K634A-032-BR		K634A-032-SS	51	46	
40	1.1/2	K634A-040-AL	K634A-040-BR	K634A-040-PP	K634A-040-SS	51	54	
50	2	K634A-050-AL	K634A-050-BR	K634A-050-PP	K634A-050-SS	58	64	
65	2.1/2	K634A-065-AL	K634A-065-BR		K634A-065-SS	58	76	
80	3	K634A-080-AL	K634A-080-BR	K634A-080-PP	K634A-080-SS	59	92	
100	4	K634A-100-AL	K634A-100-BR		K634A-100-SS	61	120	
125	5	K634A-125-AL	K634A-125-BR			69	146	
150	6	K634A-150-AL	K634A-150-BR		K634A-150-SS	73	176	

K634B

DUST CAP



Size mm	Size	Alum.	Bronze	Poly-prop.	S.Steel 316	Dimensions mm *		
						Length	Max Ø	
15	1/2"	K634B-015-AL	K634B-015-BR		K634B-015-SS	50	54	
20	3/4"	K634B-020-AL	K634B-020-BR		K634B-020-SS	50	54	
25	1"	K634B-025-AL	K634B-025-BR	K634B-025-PP	K634B-025-SS	61	64	
32	1.1/4"	K634B-032-AL	K634B-032-BR		K634B-032-SS	82	80	
40	1.1/2"	K634B-040-AL	K634B-040-BR	K634B-040-PP	K634B-040-SS	83	90	
50	2"	K634B-050-AL	K634B-050-BR	K634B-050-PP	K634B-050-SS	85	100	
65	2.1/2"	K634B-065-AL	K634B-065-BR		K634B-065-SS	87	112	
80	3"	K634B-080-AL	K634B-080-BR	K634B-080-PP	K634B-080-SS	99	134	
100	4"	K634B-100-AL	K634B-100-BR		K634B-100-SS	99	165	
125	5"	K634B-125-AL	K634B-125-BR			99	191	
150	6"	K634B-150-AL	K634B-150-BR		K634B-150-SS	141	260	

* Max Outside Diameter applies with cam levers in closed position

K634BK

DUST CAP

COMPLETE WITH BRONZE LOCKING ARMS

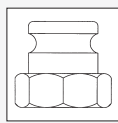


Size mm	Size	Alum.	Bronze	Poly-prop.	S.Steel 316	Dimensions mm *		
						Length	Max Ø	
40	1.1/2"	K634BK-040-AL	K634BK-040-BR			89	90	
50	2"	K634BK-050-AL	K634BK-050-BR		K634BK-050-SS	89	100	
65	2.1/2"	K634BK-065-AL	K634BK-065-BR			90	112	
80	3"	K634BK-080-AL	K634BK-080-BR		K634BK-080-SS	94	134	
100	4"	K634BK-100-AL	K634BK-100-BR		K634BK-100-SS	94	165	
150	6"		K634BK-150-BR			125	260	

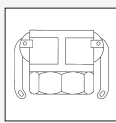
* Max Outside Diameter applies with cam levers in closed position

AUTOLOKS®

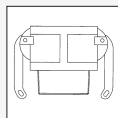
QUICK CONNECT COUPLINGS FOR INDUSTRIAL HOSE



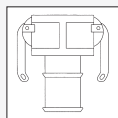
A



D



B



C



Description:

- Locks automatically when you close the arms
- Close the Autolok self-locking quick coupler with one smooth motion – just like a regular quick coupling. It locks itself automatically...and stays locked until you open it.
- No clips to forget or clumsy spring loaded buttons
- Virtually effortless
- You close the Autolok coupler's patented arms normally and they lock themselves. You release the lock with an easy tug on the finger rings.
- Compatible with other quick couplings that conform to MIL-27487 (including Pirtek Kamloks and Econolok fittings)

Materials and Sizes:

- **Sizes:**
Made in 25mm (1") to 100mm (4") sizes, and available in most coupler styles including dust caps
- **Material:**
Stainless steel 316

Specifications:

MIL-C- 27487

- **Pressure Ratings:**
Sizes 1" - 2" Max. 1725 kPa
Sizes 2.1/2" to 4" Max. 1035 kPa
- **Warning:**



Must not be used for steam or compressed air

K734B

AUTOLOK® DUST CAP



Size mm	Size ins	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm *		
						Length	Max Ø	
25	1"				K734B-025-SS	61	64	
32	1.1/4"				K734B-032-SS	82	80	
40	1.1/2"				K734B-040-SS	83	90	
50	2"				K734B-050-SS	85	100	
65	2.1/2"				K734B-065-SS	87	112	
80	3"				K734B-080-SS	99	134	
100	4"				K734B-100-SS	99	165	

* Max Outside Diameter applies with cam levers in closed position

K733B

AUTOLOK® COUPLER

MALE BSPT THREAD



Size mm	BSPT	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm *		
						Length	Max Ø	Min ID
25	1"				K733B-025-SS	70	64	24
32	1.1/4"				K733B-032-SS	73	80	31
40	1.1/2"				K733B-040-SS	70	90	38
50	2"				K733B-050-SS	80	100	48
65	2.1/2"				K733B-065-SS	90	112	70
80	3"				K733B-080-SS	94	134	74
100	4"				K733B-100-SS	100	165	94

* Max Outside Diameter applies with cam levers in closed position

K733C

AUTOLOK® COUPLER

HOSE TAIL



Size mm	Tail inches	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm *		
						Length	Max Ø	Exposed
25	1"				K733C-025-SS	98	64	41
32	1.1/4"				K733C-032-SS	105	80	46
40	1.1/2"				K733C-040-SS	107	90	47
50	2"				K733C-050-SS	124	100	54
65	2.1/2"				K733C-065-SS	137	112	57
80	3"				K733C-080-SS	162	134	60
100	4"				K733C-100-SS	172	165	62

* Max Outside Diameter applies with cam levers in closed position

K733D

AUTOLOK® COUPLER

FEMALE BSPT THREAD

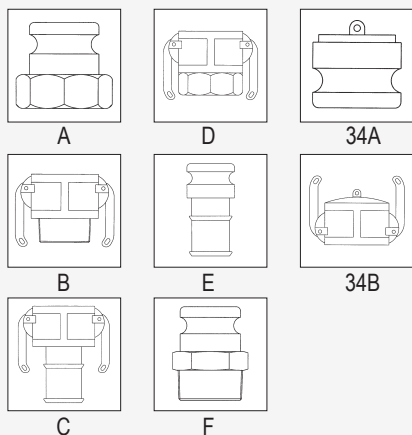


Size mm	BSPT	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm *		
						Length	Min. ID	Max Ø
25	1"				K733D-025-SS	68	24	64
32	1.1/4"				K733D-032-SS	75	34	80
40	1.1/2"				K733D-040-SS	72	36	90
50	2"				K733D-050-SS	78	49	100
65	2.1/2"				K733D-065-SS	90	71	112
80	3"				K733D-080-SS	91	75	134
100	4"				K733D-100-SS	97	94	165

* Max Outside Diameter applies with cam levers in closed position

ECONOLOK

CAM AND GROOVE COUPLINGS FOR INDUSTRIAL HOSE



Description:

- An economy version of the industrial Kamlok designed for less critical applications
- In common use in agriculture, light industry, fishing, and waste treatment
- No spare parts are available for this range (except gaskets)

Materials and Specifications:

- **Sizes:**
Made in 15mm (1/2") to 150mm (6") sizes, and available in most coupler styles including dust caps
- **Material:**
Pressure cast Aluminium
Stainless steel 316
Bronze
Polypropylene
Brass arms with steel rings

Specifications:

- Interchanges dimensionally with MIL-C- 27487 couplers
(note that 15 mm size is not covered by the specification. Compatibility with other manufacturer's couplers is not guaranteed in the 15 mm size)
- Temperature / Pressure Range:
Sub zero to elevated temperatures
- Safety:



Must not be used for steam or compressed air
Not recommended for fuel and oil transfer or hazardous chemicals

Maximum Operating Pressure:

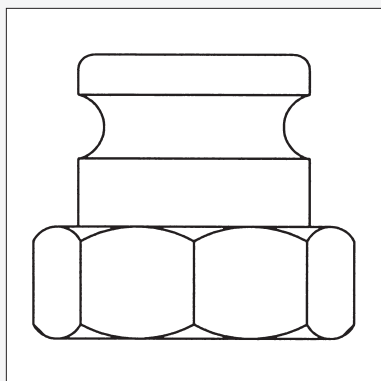
Material	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"
Aluminum	250	250	250	250	250	150	125	100	75
Brass	250	250	250	250	250	150	125	100	75
Bronze	250	250	250	250	250	150	125	100	75
Stainless	250	250	250	250	250	150	125	100	75
Polypropylene	125	125	100	100	100	75	75	50	

Note: Figures are in PSI

K333A

ECONOLOK ADAPTOR

FEMALE BSPT THREAD

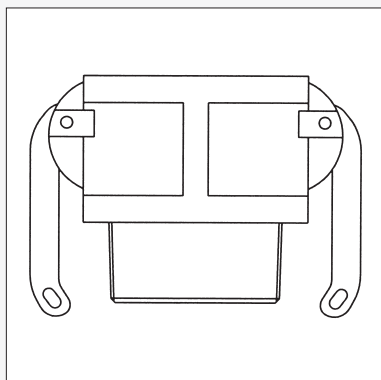


Size mm	BSPT	Alum.	Bronze	Poly-prop.	S.Steel 316	Dimensions mm		
						Length	Min. ID	Corners
15	1/2			K333A-015-PP		41	14	36
20	3/4	K333A-020-AL	K333A-020-BR	K333A-020-PP	K333A-020-SS	41	20	36
25	1	K333A-025-AL	K333A-025-BR	K333A-025-PP	K333A-025-SS	45	23	42
32	1.1/4	K333A-032-AL	K333A-032-BR	K333A-032-PP	K333A-032-SS	56	27	56
40	1.1/2	K333A-040-AL	K333A-040-BR	K333A-040-PP	K333A-040-SS	56	34	58
50	2	K333A-050-AL	K333A-050-BR	K333A-050-PP	K333A-050-SS	74	45	73
65	2.1/2	K333A-065-AL	K333A-065-BR		K333A-065-SS	83	56	86
80	3	K333A-080-AL	K333A-080-BR	K333A-080-PP	K333A-080-SS	72	72	109
100	4	K333A-100-AL	K333A-100-BR		K333A-100-SS	81	98	140
125	5	K333A-125-AL			K333A-150-SS	86	120	162
150	6	K333A-150-AL				93	149	197

K333B

ECONOLOK COUPLER

MALE BSPT THREAD



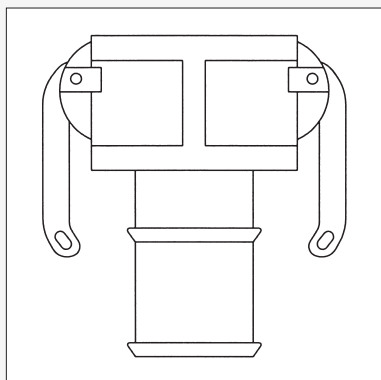
Size mm	BSPT	Alum.	Bronze	Poly-prop.	S.Steel 316	Dimensions mm *		
						Length	Max Ø	Min ID
15	1/2"			K333B-015-PP				
20	3/4"	K333B-020-AL	K333B-020-BR	K333B-020-PP	K333B-020-SS	53	54	19
25	1"	K333B-025-AL	K333B-025-BR	K333B-025-PP	K333B-025-SS	70	64	24
32	1.1/4"	K333B-032-AL	K333B-032-BR	K333B-032-PP	K333B-032-SS	73	80	31
40	1.1/2"	K333B-040-AL	K333B-040-BR	K333B-040-PP	K333B-040-SS	70	90	38
50	2"	K333B-050-AL	K333B-050-BR	K333B-050-PP	K333B-050-SS	80	100	48
65	2.1/2"	K333B-065-AL	K333B-065-BR		K333B-065-SS	90	112	70
80	3"	K333B-080-AL	K333B-080-BR	K333B-080-PP	K333B-080-SS	94	134	74
100	4"	K333B-100-AL	K333B-100-BR		K333B-100-SS	100	165	94
125	5"	K333B-125-AL						
150	6"	K333B-150-AL			K333B-150-SS	141	260	135

* Max Outside Diameter applies with cam levers in closed position

K333C

ECONOLOK COUPLER

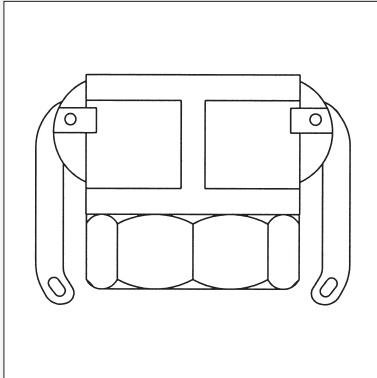
HOSE TAIL



Size mm	Tail inches	Alum.	Bronze	Poly-prop.	S.Steel 316	Dimensions mm *		
						Length	Max Ø	Exposed
15	1/2"			K333C-015-PP				
20	3/4"	K333C-020-AL	K333C-020-BR	K333C-020-PP	K333C-020-SS	83	54	32
25	1"	K333C-025-AL	K333C-025-BR	K333C-025-PP	K333C-025-SS	98	64	41
32	1.1/4"	K333C-032-AL	K333C-032-BR	K333C-032-PP	K333C-032-SS	105	80	46
40	1.1/2"	K333C-040-AL	K333C-040-BR	K333C-040-PP	K333C-040-SS	107	90	47
50	2"	K333C-050-AL	K333C-050-BR	K333C-050-PP	K333C-050-SS	124	100	54
65	2.1/2"	K333C-065-AL	K333C-065-BR		K333C-065-SS	137	112	57
80	3"	K333C-080-AL	K333C-080-BR	K333C-080-PP	K333C-080-SS	162	134	60
100	4"	K333C-100-AL	K333C-100-BR		K333C-100-SS	172	165	62
125	5"	K333C-125-AL				189	191	62
150	6"	K333C-150-AL			K333C-150-SS	215	260	69

* Max Outside Diameter applies with cam levers in closed position

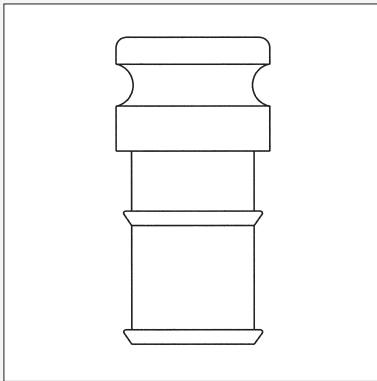
K333D

ECONOLOK COUPLER
FEMALE BSPT THREAD

Size mm	BSPT	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm *		
						Length	Min. ID	Max Ø
15	1/2"			K333D-015-PP		51	16	54
20	3/4"	K333D-020-AL	K333D-020-BR	K333D-020-PP	K333D-020-SS	51	22	54
25	1"	K333D-025-AL	K333D-025-BR	K333D-025-PP	K333D-025-SS	68	24	64
32	1.1/4"	K333D-032-AL	K333D-032-BR	K333D-032-PP	K333D-032-SS	75	34	80
40	1.1/2"	K333D-040-AL	K333D-040-BR	K333D-040-PP	K333D-040-SS	72	36	90
50	2"	K333D-050-AL	K333D-050-BR	K333D-050-PP	K333D-050-SS	78	49	100
65	2.1/2"	K333D-065-AL	K333D-065-BR		K333D-065-SS	90	71	112
80	3"	K333D-080-AL	K333D-080-BR	K333D-080-PP	K333D-080-SS	91	75	134
100	4"	K333D-100-AL	K333D-100-BR		K333D-100-SS	97	94	165
125	5"	K333D-125-AL				100	120	191
150	6"	K333D-150-AL			K333D-150-SS	141	145	260

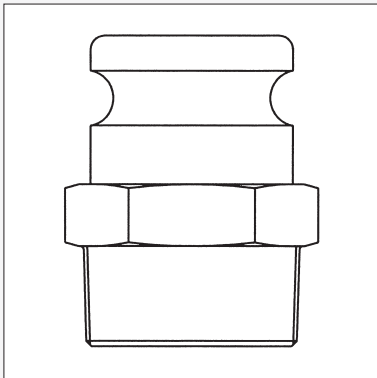
* Max Outside Diameter applies with cam levers in closed position

K333E

ECONOLOK ADAPTOR
HOSE TAIL

Size mm	Tail inches	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm		
						Length	Max Ø	Exposed
15	1/2"			K333E-015-PP				
20	3/4"	K333E-020-AL	K333E-020-BR	K333E-020-PP	K333E-020-SS	77	33	26
25	1"	K333E-025-AL	K333E-025-BR	K333E-025-PP	K333E-025-SS	104	42	46
32	1.1/4"	K333E-032-AL	K333E-032-BR	K333E-032-PP	K333E-032-SS	110	54	52
40	1.1/2"	K333E-040-AL	K333E-040-BR	K333E-040-PP	K333E-040-SS	115	58	54
50	2"	K333E-050-AL	K333E-050-BR	K333E-050-PP	K333E-050-SS	130	64	60
65	2.1/2"	K333E-065-AL	K333E-065-BR		K333E-065-SS	140	87	60
80	3"	K333E-080-AL	K333E-080-BR	K333E-080-PP	K333E-080-SS	165	98	64
100	4"	K333E-100-AL	K333E-100-BR		K333E-100-SS	179	134	70
125	5"	K333E-125-AL				197	160	70
150	6"	K333E-150-AL			K333E-150-SS	223	187	77

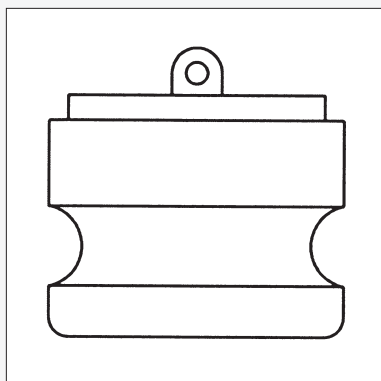
K333F

ECONOLOK ADAPTOR
MALE BSPT THREAD

Size mm	BSPT	Alum.	Bronze	Poly- prop.	S.Steel 316	Dimensions mm		
						Length	Min. ID	Corners
15	1/2"			K333F-015-PP		59	14	36
20	3/4"	K333F-020-AL	K333F-020-BR	K333F-020-PP	K333F-020-SS	59	19	36
25	1"	K333F-025-AL	K333F-025-BR	K333F-025-PP	K333F-025-SS	72	23	42
32	1.1/4"	K333F-032-AL	K333F-032-BR	K333F-032-PP	K333F-032-SS	81	28	56
40	1.1/2"	K333F-040-AL	K333F-040-BR	K333F-040-PP	K333F-040-SS	77	34	57
50	2"	K333F-050-AL	K333F-050-BR	K333F-050-PP	K333F-050-SS	92	45	73
65	2.1/2"	K333F-065-AL	K333F-065-BR		K333F-065-SS	102	57	86
80	3"	K333F-080-AL	K333F-080-BR	K333F-080-PP	K333F-080-SS	109	74	110
100	4"	K333F-100-AL	K333F-100-BR		K333F-100-SS	116	97	135
125	5"	K333F-125-AL						
150	6"	K333F-150-AL			K333F-150-SS	137	149	197

K334A

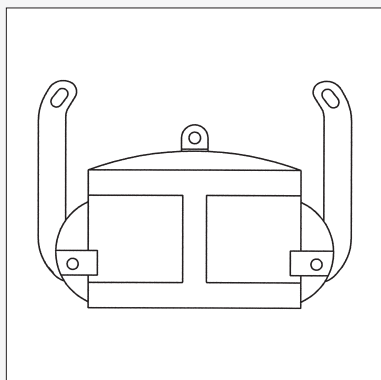
ECONOLOK DUST PLUG



Size mm	Size	Alum.	Bronze	Poly-prop.	S.Steel 316	Dimensions mm		
						Length	Max. Ø	
15	1/2					38	33	
20	3/4	K334A-020-AL	K334A-020-BR	K334A-020-PP	K334A-020-SS	38	33	
25	1	K334A-025-AL	K334A-025-BR	K334A-025-PP	K334A-025-SS	47	37	
32	1.1/4	K334A-032-AL	K334A-032-BR	K334A-032-PP	K334A-032-SS	51	46	
40	1.1/2	K334A-040-AL	K334A-040-BR	K334A-040-PP	K334A-040-SS	51	54	
50	2	K334A-050-AL	K334A-050-BR	K334A-050-PP	K334A-050-SS	58	64	
65	2.1/2	K334A-065-AL	K334A-065-BR		K334A-065-SS	58	76	
80	3	K334A-080-AL	K334A-080-BR	K334A-080-PP	K334A-080-SS	59	92	
100	4	K334A-100-AL	K334A-100-BR		K334A-100-SS	61	120	
125	5	K334A-125-AL				69	146	
150	6	K334A-150-AL			K334A-150-SS	73	176	

K334B

ECONOLOK DUST CAP



Size mm	Size	Alum.	Bronze	Poly-prop.	S.Steel 316	Dimensions mm *		
						Length	Max Ø	
15	1/2"					50	54	
20	3/4"	K334B-020-AL	K334B-020-BR	K334B-020-PP	K334B-020-SS	50	54	
25	1"	K334B-025-AL	K334B-025-BR	K334B-025-PP	K334B-025-SS	61	64	
32	1.1/4"	K334B-032-AL	K334B-032-BR	K334B-032-PP	K334B-032-SS	82	80	
40	1.1/2"	K334B-040-AL	K334B-040-BR	K334B-040-PP	K334B-040-SS	83	90	
50	2"	K334B-050-AL	K334B-050-BR	K334B-050-PP	K334B-050-SS	85	100	
65	2.1/2"	K334B-065-AL	K334B-065-BR		K334B-065-SS	87	112	
80	3"	K334B-080-AL	K334B-080-BR	K334B-080-PP	K334B-080-SS	99	134	
100	4"	K334B-100-AL	K334B-100-BR		K334B-100-SS	99	165	
125	5"	K334B-125-AL				99	191	
150	6"	K334B-150-AL			K334B-150-SS	141	260	

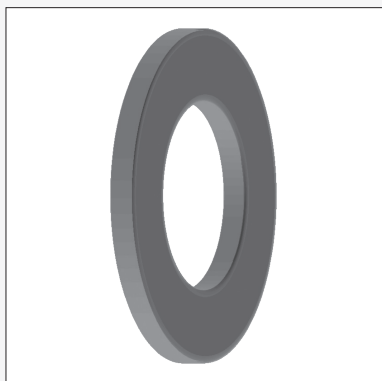
* Max Outside Diameter applies with cam levers in closed position

CAM & GROOVE ACCESSORIES

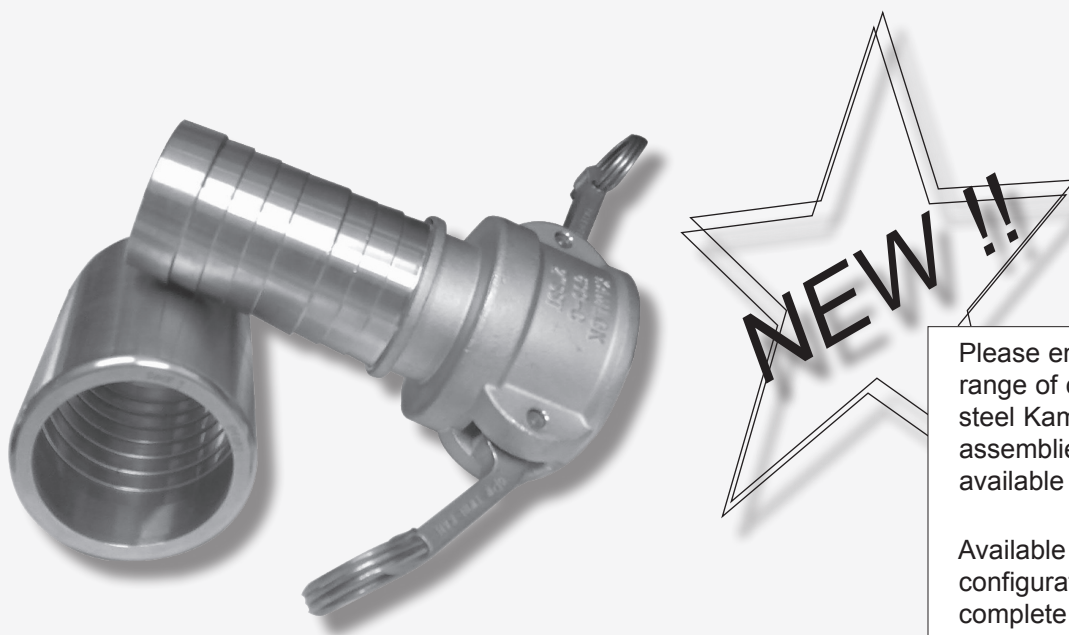
GASKETS

TO SUIT CAM AND GROOVE COUPLERS

Material: Buna N



Coupling Size	Part Number	Dimensions (mm)
OD x ID"	K3CG-020-B	35 x 22
1/2" / 3/4"	K3CG-020-B	35 x 22
1"	K3CG-025-B	40 x 27
1.1/4"	K3CG-032-B	49 x 35
1.1/2"	K3CG-040-B	56 x 41
2"	K3CG-050-B	67 x 51
2.1/2"	K3CG-065-B	79 x 60
3"	K3CG-080-B	94 x 76
4"	K3CG-100-B	124 x 102
5"	K3CG-125-B	151 x 124
6"	K3CG-150-B	179 x 152



Please enquire about our range of crimped stainless steel Kamlok® hose assemblies (tails are not available independently)

Available in Types C & E configurations as part of complete assemblies

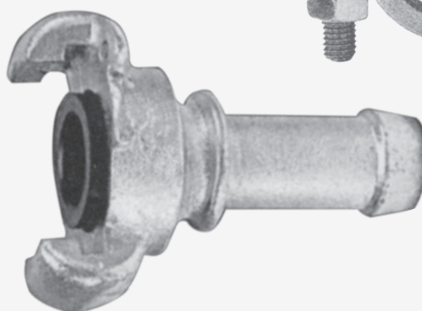
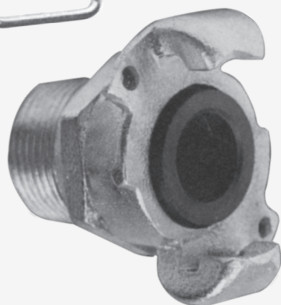
UNIVERSAL HOSE FITTINGS

TAILS, ADAPTORS AND CLAMPS

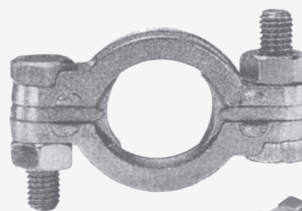
UNIVERSAL
SAFETY CLIP



UNIVERSAL TAIL &
MALE
ADAPTOR (TYPE A / B)



DOUBLE
BOLT CLAMP



CLAW TYPE
SAFETY
CLAMP



Description:

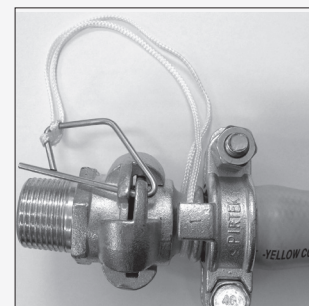
- Widely used claw couplings to provide simple and reliable air tight connections
- Use of a safety locking pin is necessary to ensure full alignment of the matching holes, which in turn guarantees full engagement of the locking claws and precludes accidental disconnection
- European (Type A) and American (Type B) types have become established in Australia. They are not interchangeable except for sealing rubbers and safety clips
- Comply to AS2554 and AS2660 Australian Standards.

Materials and Sizes:

- **Sizes:**
Made in 13mm (1/2") to 25mm (1") sizes, along with adaptors and plugs
- **Material:**
Spheroidal Graphite (SG) Iron
Natural Rubber seal Temp range -25 °C to 70 °C
- **Types:**
Two Standards are supported by Pirtek
Type A: European (no stop point in lug area)
Type B: American (stop point inside lug)
Both types utilise the same safety clips and rubber seals, but are otherwise not interchangeable

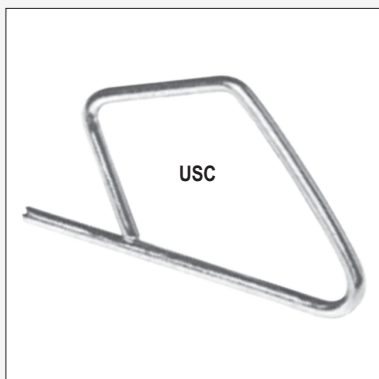
Specifications:

Max. Working Pressure 3 500 kPa (500 psi)
Max. Burst Pressure 7 000 kPa (1000 psi)
Clamps:
Use with Pirtek DBC or UCC (similar but with safety claws for positive engagement with the tail collar) as illustrated above



USC

UNIVERSAL SAFETY CLIP



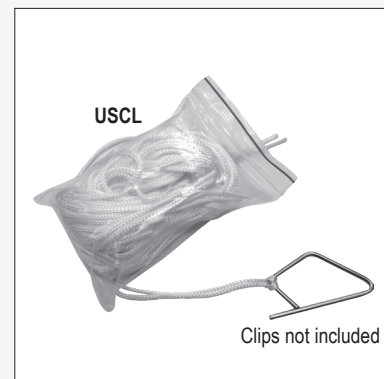
UNIVERSAL SAFETY CLIP PRODUCT CODE		
Coupling Size	Product Code	
All	USC	Safety Clip
All	USCL	Safety Clip Lanyard

Pirtek's Lanyard for use with Universal Safety Clips makes sure that your Safety Clips never go missing.

Available in a pack quantity of 25 as Product Code **USCL**

USCL

SAFETY CLIP LANYARD



UHA

UNIVERSAL HOSE TAIL TYPE A



UNIVERSAL HOSE TAIL TYPE A PRODUCT CODES		
Hose Size (ID)	Product Code	
1/2"	UHA-013	
3/4"	UHA-020	
1"	UHA-025	

UHB

UNIVERSAL HOSE TAIL TYPE B



UNIVERSAL HOSE TAIL TYPE B PRODUCT CODES		
Hose Size (ID)	Product Code	
1/2"	UHB-013	
3/4"	UHB-020	
1"	UHB-025	

ULW

UNIVERSAL LUG WASHER NATURAL RUBBER - SUIT BOTH TYPE A & B



UNIVERSAL COUPLER LUG WASHER PRODUCT CODE		
Coupling Size	Product Code	
All	ULW	

UFA BSPT Thread

UNIVERSAL FEMALE ADAPTOR

TYPE A

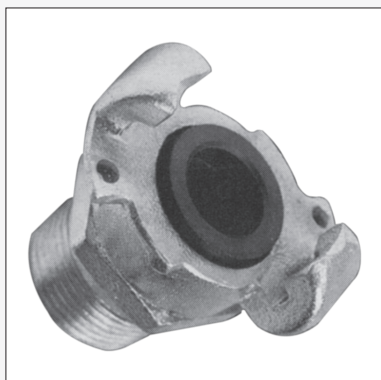


UNIVERSAL FEMALE ADAPTOR TYPE A PRODUCT CODES		
Coupling Size	Product Code	
1/2"	UFA-013	
3/4"	UFA-020	
1"	UFA-025	

UMA BSPT Thread

UNIVERSAL MALE ADAPTOR

TYPE A

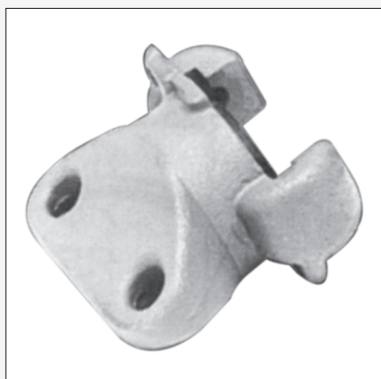


UNIVERSAL MALE ADAPTOR TYPE A PRODUCT CODES		
Coupling Size	Product Code	
1/2"	UMA-013	
3/4"	UMA-020	
1"	UMA-025	

UBEA

UNIVERSAL BLANK END

TYPE A



UNIVERSAL BLANK END TYPE A PRODUCT CODE		
Coupling Size	Product Code	
All	UBEA	

UFB NPT Thread

UNIVERSAL FEMALE ADAPTOR

TYPE B



UNIVERSAL FEMALE ADAPTOR TYPE B PRODUCT CODES		
Coupling Size	Product Code	
1/2"	UFB-013	
3/4"	UFB-020	
1"	UFB-025	

UMB NPT Thread

UNIVERSAL MALE ADAPTOR

TYPE B

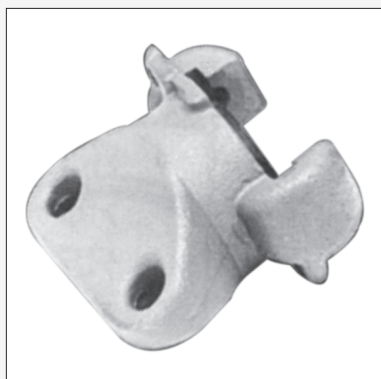


UNIVERSAL MALE ADAPTOR TYPE B PRODUCT CODES		
Coupling Size	Product Code	
1/2"	UMB-013	
3/4"	UMB-020	
1"	UMB-025	

UBEB

UNIVERSAL BLANK END

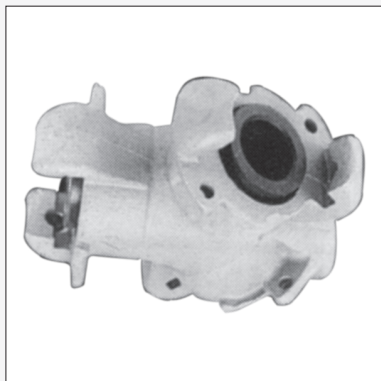
TYPE B



UNIVERSAL BLANK END TYPE B PRODUCT CODE		
Coupling Size	Product Code	
All	UBEB	

UTCB

UNIVERSAL TRIPLE CONNECTOR TYPE B



UNIVERSAL TRIPLE CONNECTOR TYPE B PRODUCT CODE		
Coupling Size	Product Code	
All	UTCB	

DBC

DOUBLE BOLT CLAMP



DOUBLE BOLT CLAMP PRODUCT CODES		
Clamp Size	Product Code	Hose OD Range mm
1/2"	DBC-013	22-29
3/4"	DBC-020	28-34
1"	DBC-025	32-40

UCC

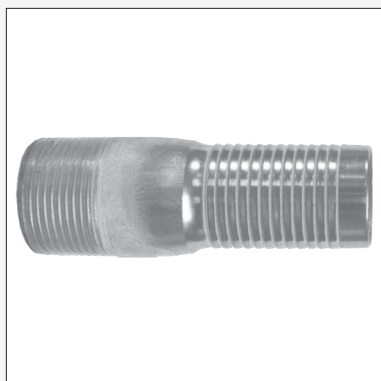
UNIVERSAL CLAW CLAMP



UNIVERSAL CLAW CLAMP PRODUCT CODES			
Clamp Size	Product Code	Hose OD Range mm	Hex Nut AF
1/2"	UCC22-29	22-29	14 mm
3/4"	UCC28-37	28-37	14 mm
1"	UCC35-42	35-42	17 mm

CNS

COMBINATION NIPPLE STEEL



COMBINATION NIPPLE STEEL PRODUCT CODES		
Hose Size	Product Code	Thread BSPT
1 1/4"	CNS-032	1 1/4"
1 1/2"	CNS-040	1 1/2"
2"	CNS-050	2"
2 1/2"	CNS-063	2 1/2"
3"	CNS-075	3"
4"	CNS-100	4"

HMS

HOSE MENDER STEEL



HOSE MENDER STEEL PRODUCT CODES		
Hose Size	Product Code	
3/8"	HMS-010	
1/2"	HMS-013	
3/4"	HMS-020	
1"	HMS-025	
1 1/4"	HMS-032	
1 1/2"	HMS-038	
2"	HMS-050	
2 1/2"	HMS-063	
3"	HMS-075	
4"	HMS-100	

CLAMPS

TO SUIT CNS, HMS

REFER CATALOGUE SECTION M



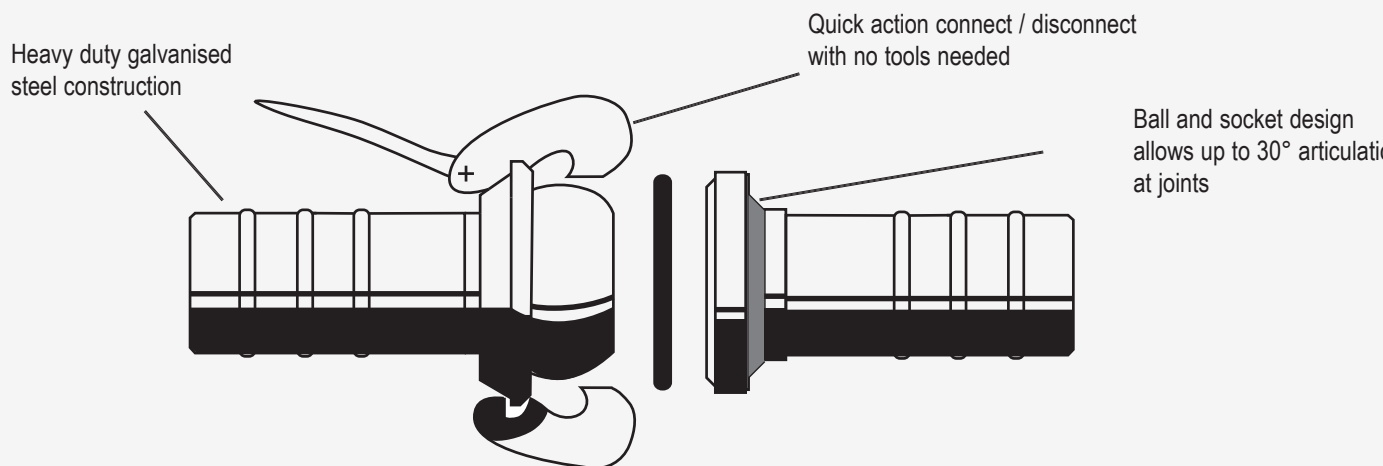
CLAMPING ARRANGEMENTS FOR COMBINATION NIPPLES AND HOSE MENDERS

Please consult Pirtek Product Catalogue Section M Clamps & Clamping Systems for details of clamps suited to use with Combination Steel Nipples and Hose Menders.

Continuous band and preformed band clamps are generally the preferred option on larger, more demanding applications, but worm drive, 2-eared and heavy duty clamps all have roles to play in different applications. If in doubt, please consult Pirtek

BAU

BAUER COUPLINGS



Description:

- Rugged galvanised steel couplings with quick action connect / disconnect requiring no tools and no loose parts
- Can be connected even in the dark
- Allows coupling articulation of up to 30° angle
- Can be used even on difficult terrain
- Suction and pressure proof whilst subject to tensile stress
- Resists heat up to 110 °C with special seals

Materials and Specifications:

- Produced from high grade tensile steel
- Abrasion resistant hot dip galvanising according to DIN 50976
- Standard Buna Nitrile O Ring
- Also optionally available in stainless steel to special order

Working Pressures:

- Suction and pressure proof up to 12 bar/g with all types of media, subject to suitable seal material options

Fluid Media:

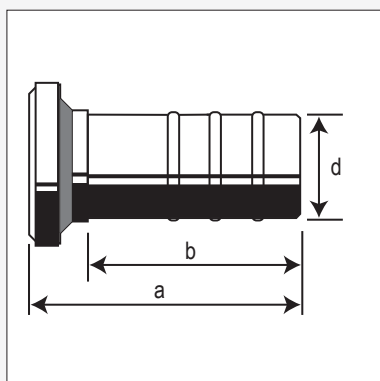
- Potable drinking water, waste water, compressed air gases and exhaust fumes, sludge, mortar, crude oil and oil products, bentonite, pneumatic loading of powder products, and many more, *subject to suitable seal options*.
- The stainless steel range is suitable for food and pharmaceutical industries.

Applications:

- Mining and tunnelling, civil engineering projects, road construction, delivery of fresh water and compressed air.
- Suction and delivery lines for site dewatering, on and offshore drilling, ship to shore transfer.
- In civil and military emergencies, drinking water supply lines, sludge and waste, disaster and fire and oil industry applications.
- Pneumatic conveyance systems for powder and granular materials. Vacuum loading and extraction systems.

BAUF

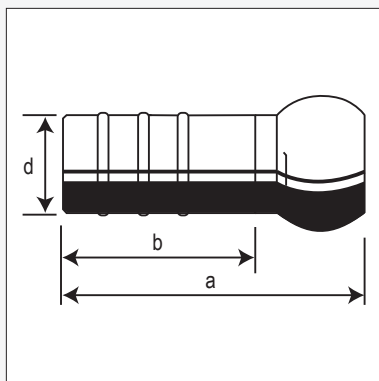
BAUER FEMALE SPIGOT



Product Code	Nominal ID			Weight	Dimensions mm				
	Side A								
	Dash	Inch	DN		kg	a	b	d	
BAUF-100	64	4	100	1.70	266	208	100		
BAUF-150	96	6	150	3.30	282	232	150		
BAUF-200	128	8	200	4.30	346	270	200		

BAUM

BAUER MALE SPIGOT

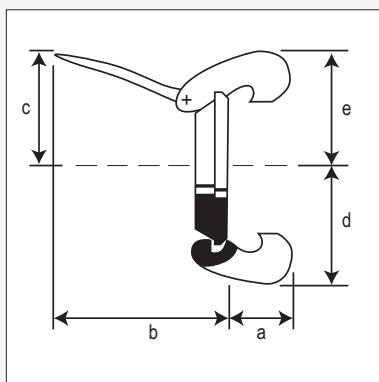


Product Code	Nominal ID			Weight	Dimensions mm				
	Side A				a	b	d		
	Dash	Inch	DN						
BAUM-100	64	4	100	1.70	313	208	100		
BAUM-150	96	6	150	3.35	350	232	150		
BAUM-200	128	8	200	3.90	397	270	200		



BAUCR

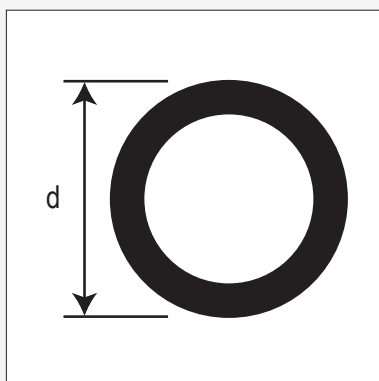
BAUER CLOSURE RING



Product Code	Nominal ID			Weight	Dimensions mm				
	Side A				a	b	c	d	e
	Dash	Inch	DN						
BAUCR-100	64	4	100	1.80	65	210	114	115	123
BAUCR-150	96	6	150	4.05	90	170	157	152	150
BAUCR-200	128	8	200	6.10	100	160	186	180	177

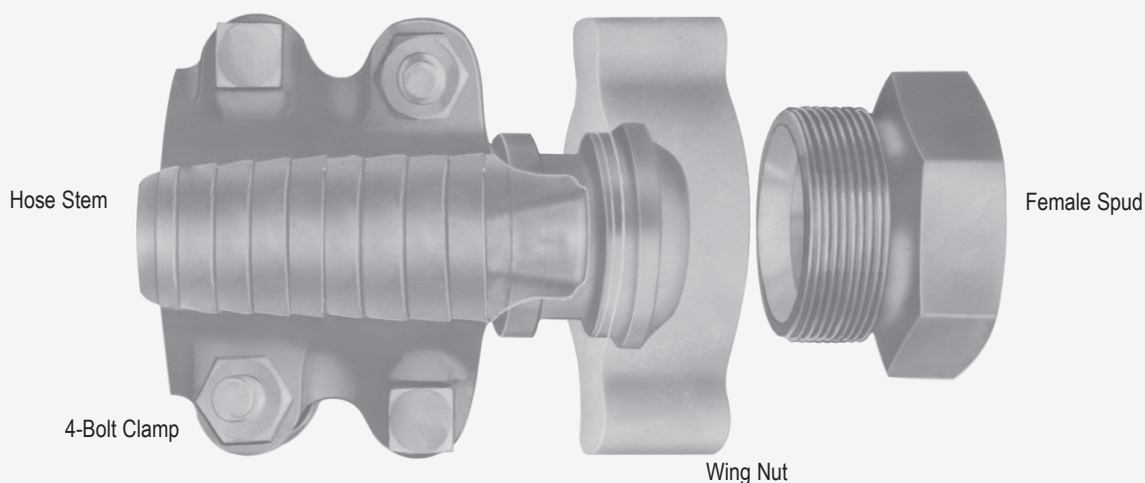
BAUOR

BAUER O-RING



Product Code	Nominal ID			Weight	Dimensions mm				
	Side A				d				
	Dash	Inch	DN						
BAUOR-100	64	4	100	0.09	108				
BAUOR-150	96	6	150	0.21	159				
BAUOR-200	128	8	200	0.25	194				

GROUND JOINT FITTINGS



Description:

- A robust fitting suited to a wide range of applications
- Used to join hoses or to attach a hose to a piece of equipment using BSP threads
- Can be safely used for steam or high pressure air

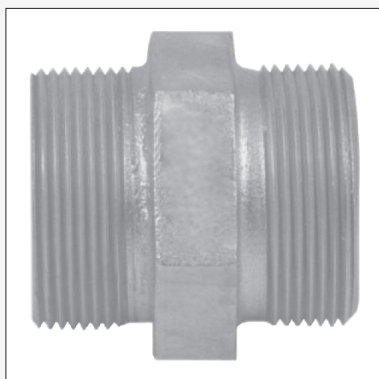
Materials and Sizes:

- **Sizes:**
Available in 1" and 3/4" sizes, both of which use a commonly sized wing nut thread
The thread of the Spud / Wing Nut is common to both sizes - only the BSP thread varies
- **Material:**
Plated steel

Operation:

The Spud part of the coupling normally serves as the anchored attachment point on the equipment. The hose stem and nut are bolted to the hose with a 2-bolt or 4-bolt interlocking clamp. The heavy duty winged nut allows easy and secure attachment to the Spud, using a hammer if needed

GJD DOUBLE SPUD FOR JOINING HOSES



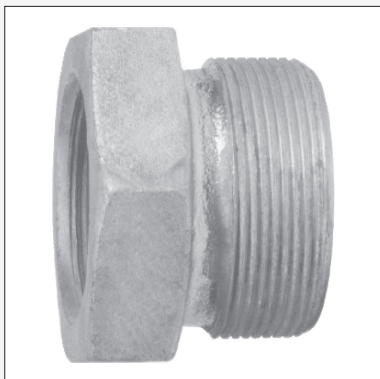
DOUBLE SPUD		
Spud Size	Product Code	
-025	GJD-025	

Note that this Adaptor is common to both 3/4" and 1" sizes, since the threaded Spud size is common to all sizes

GJF / GJFN

FEMALE SPUD

FEMALE BSPT / NPT THREAD

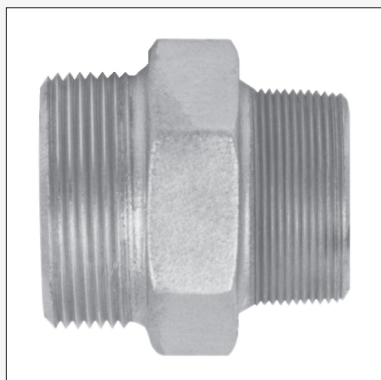


FEMALE SPUD		
Coupling Size	Product Code	Female Thread Size
-013	GJF-013	1/2" BSPT
-020	GJF-020	3/4" BSPT
-025	GJF-025	1" BSPT
-032	GJFN-032	1.1/4" NPT
-038	GJFN-038	1.1/2" NPT
-051	GJFN-051	2" NPT

GJM

MALE SPUD

MALE BSPT / NPT THREAD



MALE SPUD		
Coupling Size	Product Code	Thread Size
-013	GJM-013	1/2" BSPT
-020	GJM-020	3/4" BSPT
-025	GJM-025	1" BSPT
-032	GJMN-032	1.1/4" NPT
-038	GJMN-038	1.1/2" NPT

GJS / GJSN

MALE BSPT / NPT HOSE STEM



MALE HOSE STEM		
Hose Size	Product Code	Thread Size
-013 (1/2")	GJS-013	1/2" BSPT
-020 (3/4")	GJS-020	3/4" BSPT
-025 (1")	GJS-025	1" BSPT
-025 (1")	GJSN-025	1" NPT
-032 (1.1/4")	GJSN-032	1.1/4" NPT
-038 (1.1/2")	GJSN-038	1.1/2" NPT

GJH

HOSE STEM

REQUIRES INTERLOCKING CLAMP & WING NUT

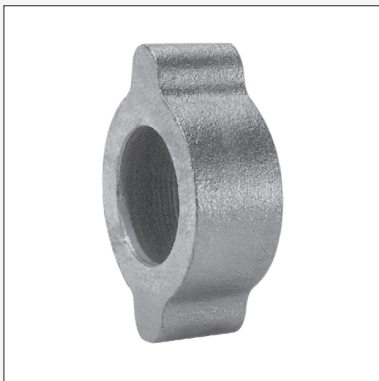


HOSE STEM		
Hose Size	Product Code	
-013 (1/2")	GJH-013	
-020 (3/4")	GJH-020	
-025 (1")	GJH-025	
-032 (1.1/4")	GJH-032	
-038 (1.1/2")	GJH-038	
-051 (2")	GJH-051	

GJN

WING NUT

SUITS BOTH 3/4" & 1" SPUDS



WING NUT		
Coupling Size	Product Code	Suits Spud Sizes
-013	GJN-013	-013
-025	GJN-025	-020, -025
-038	GJN-038	-032, -038
-051	GJN-051	-051

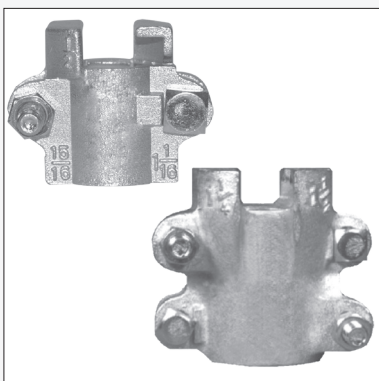
Note that the 1" Wing Nut is common to both 3/4" and 1" sizes, since the threaded Spud size that it screws on to is common to all sizes.

In the same way, the 1 1/2" Wing Nut is common to both 1 1/4" and 1 1/2" sizes

IHC

INTERLOCKING HOSE CLAMP

2-BOLT & 4-BOLT



INTERLOCKING CLAMP *					
Coupling Size	Product Code	No. of Bolts	Suits Hose Size	Range of OD (mm)	Required Torque kg.m / ft.lbs
-013	IHC2B-013	2	1/2"	23.8 - 27.0	1.66 / 12
-020	IHC2B-020	2	3/4"	30.2 - 33.3	2.90 / 21
-025	IHC4B-025	4	1"	35.7 - 39.7	2.90 / 21
-032	IHC2B-032	2	1.1/4"	45.2 - 53.2	5.40 / 40
-038	IHC4B-038	4	1.1/2"	50.8 - 56.4	5.40 / 40
-051	IHC4B-051	4	2"	63.5 - 70.6	8.29 / 60

* Recommended for Ground Joint Fittings on steam and high pressure air hoses

INDUSTRIAL FITTINGS

SAFE PRACTICE REQUIREMENTS

GENERAL INFORMATION

- Cold Flow is a phenomena related to rubber (elastomers). Rubber moves away from points of stress!
- Pressure and heat intensify the Cold Flow movement
- Since steam presents both pressure as well as heat, it becomes very important in choosing the proper means of clamping the assembly
- Clamping systems are not a 'set and forget' aspect of industrial hose assemblies. It is essential that a maintenance schedule be established to include a regular check of the efficacy of clamps throughout the life of a hose assembly
- Plasticisers are incorporated into PVC compounds to provide flexibility and softness, contributing to the handling characteristics of the hose
- Plasticisers are in general less resistant to chemical attack than the PVC compound itself, with the result that exposure of the hose to acids and alkalis will gradually degrade the plasticiser and cause hardening, embrittlement, and general deterioration of the hose. These effects are exacerbated in the presence of heat and / or with increasing levels of acidity / alkalinity
- Chemical compatibility charts for both rubber and PVC hoses are to be found in the Technical Section Q of the Catalogue. With PVC hoses in particular, full scale trials under real world conditions should be used where safety and / or reliability are paramount considerations
- Guidelines for the installation and maintenance of industrial hoses are more fully provided in Technical Section Q. These should be consulted in conjunction with the following fitting-specific guidelines

INSTALLATION

- Fittings for specific applications such as concrete pumping and food transfer involve the use of swaged ferrules, and are the subject of documented assembly procedures within Pirtek's M.A.P.S. system
- With regard to other procedures, it is important to realise that a wrong choice of clamp / fitting combination can have serious consequences by way of damage to property or injury to personnel.

2 BOLT CLAMPS

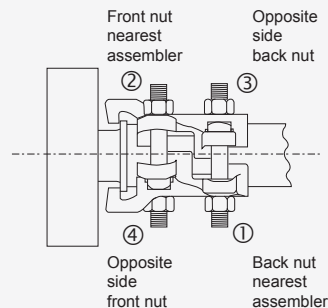
- Using the inside and outside dimensions of the chosen hose, select the correct size clamp by reference to the "Range of OD" dimensional data. The selected clamp and hose tail combination must match the hose dimensions. Hose OD refers to the measurement applying before the hose tail is inserted
- A properly selected clamp will have the hose OD falling near the maximum limit of the hose clamp, to allow the maximum amount of latitude for re-tightening throughout the life of the assembly
- Tightening sequence: tighten the first bolt with the nut facing the assembler 1 full turn. Tighten the opposing bolt 1 full turn. Repeat the sequence using a torque wrench until the recommended torque has been reached
- Periodically retighten the clamp to the specified torque setting to counteract the loosening induced by Cold Flow
- The opposing components of the clamp should never be allowed to touch. Nor should the gripping fingers contact the base of the retention groove (see 4-bolt diagram following)
- Never re-use 2 or 4 bolt clamps

4 BOLT CLAMPS

As for the 2 Bolt Clamps except for the tightening sequence, which is: Back bolt with nut facing assembler and furthest from gripping fingers tightened 1 full turn. Followed by the front bolt with nut facing assembler and nearest the gripping finger 1 full turn. Snug by hand for the loose bolts opposing the nuts just tightened. Repeat 1 full turn for the back and front bolts originally tightened. Repeat snug by hand for the opposing bolts in turn. Continue the sequence until the nominated torque settings are applied to all bolts uniformly

The same criteria as for 2 bolt clamps apply for 4 bolt clamps ie opposing halves must not come in contact, and gripping claws must remain clear of the base of the retention groove when all bolts are properly torqued. If these criteria are not met, the clamps must be discarded and replaced by new and properly sized clamps

OTHER CLAMPS AND BANDS



The number and positioning of other clamps and bands will vary according to the size and pressures in use. Some principles however do not vary

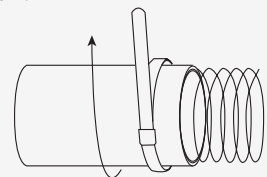
- Hose ends must be cut square (90° to the length of the hose) and hose ends cleaned for proper coupling insertion. Improper insertion can reduce coupling retention
- Determine number of clamps required (consult Pirtek if in doubt)
- Mark the hose for proper clamp placement to achieve maximum retention. Place marks as follows:

1. For tails having serrations that are all the same size, like combination nipples: place the tail next to the hose to simulate full insertion and place a mark on the outside of the hose corresponding with point of last serration (furthest from hose end).

For multiple clamp installation, place additional mark(s) equally spaced between first mark and hose end ensuring that about 8mm space is left between hose end and last clamp installed

2. For tails having a few pronounced ridges such as cam & groove fittings, place the tail next to the hose to simulate full insertion and place mark(s) on the hose exterior corresponding to the point(s) of the pronounced ridges. Avoid placing the clamps on these positions
- If 2 or more clamps are used, offset them at equal amounts around the circumference to avoid development of flow paths

- For hoses having a helical wire, determine which direction the helical wire is pointing. Trim the wire to prevent injury, and install pre-formed band clamps or bands and buckles in such a way that the 'tail' of the band points in the same direction as the lay of the helical wire. See illustration at right



- Seal each hose end to prevent corrosion of the exposed reinforcing material. Normally, rubber cement or shellac is used. Contact Pirtek for specific recommendations
- Use a coupling lubricant on the tail and inside the hose diameter prior to coupling insertion. Do not use lubricants, oil, grease, or other substances that may attack the hose lining and / or reduce coupling retention
- Static Grounding. When static grounding is required it is essential that it be done properly. It is normally achieved by bending the built-in static wire or the helical wire (or wires) inside the hose bore so that the wire or wires make contact with the metal coupling. Bend in no more wire than necessary. 12 mm is usually sufficient. Check effectiveness with a multimeter and always consult Pirtek if in doubt

CONCRETE HOSE FITTINGS

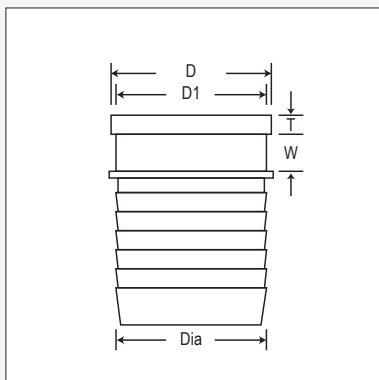
SHOULDERED VICTAULIC HOSE ENDS TO SUIT FABRIC AND STEEL BRAIDED HOSE

Concrete hose fittings and ferrules are available separately or as part of complete assemblies produced by Pirtek Fluid Systems to order



IFCT

SHOULDERED VICTAULIC HOSE TAIL HARDENED TO SUIT CONCRETE TRANSFER



IFCT HARDENED VICTAULIC TAILS FOR CONCRETE HOSES						
Hose Size	Product Code	Dimensions mm				
	Fabric Braid	Head D	Groove D1	Head T	Groove W	Hose Ø
-051 (2")	IFCT-051	67.0	57.0	16.8	27.0	51
-076 (3")	IFCT-076	104.5	97.0	16.8	42.0	76
-090 (3½") †	See Ferrule	122.0	114.0	16.8	40.0	90
-100 (4")	IFCT-100	122.0	114.0	16.8	40.0	100
-125 (5")	IFCT-125	142.0	133.0	16.8	33.0	125

† This size uses a one-piece design that is common to both fabric and steel braided hoses. The tail incorporates a ferrule. Do not double order

IFCF

FERRULES FOR CONCRETE HOSES TO SUIT STEEL & FABRIC BRAIDS



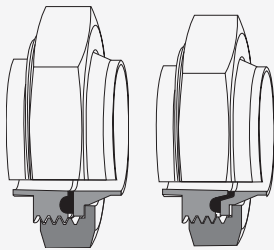
IFCF FERRULES FOR FABRIC AND STEEL BRAID CONCRETE HOSES				
Hose Size	Ferrule Product Code			
	Fabric Braid	Steel Braid		
-051 (2")	IFCFF-051	IFCFS-051		
-076 (3")	IFCFF-076	IFCFS-076		
-090 (3½") †	IFCFSF-090	IFCFSF-090		
-100 (4")	IFCFF-100	IFCFS-100		
-125 (5")	-	IFCFS-125		

† This size uses a one-piece design that is common to both fabric and steel braided hoses

FOOD GRADE FITTINGS

BSM /RJT FITTINGS TO AS1528, PART 4

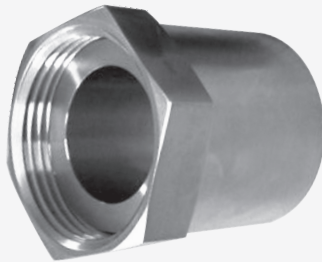
OTHER FITTING STYLES AVAILABLE ON REQUEST



FLAT FACED
(CIP MODIFIED)

BSM STANDARD
(RJT)

ASSEMBLY DETAIL



FLAT FACED (CIP MODIFIED)
FEMALE HOSE TAIL



BSM STD. (RJT)
FEMALE HOSE TAIL

Description:

- Hygienic couplings for use in the food, beverage and dairy industries
- Two types dominate the market - the original BSM design and the increasingly common Flat Face type
- BSM Standard uses a round O-Ring as opposed to the D shaped Seal used in the Flat Face design
- The BSM Nut is common to both types

Materials and Sizes:

- **Sizes:**
Available in a range of sizes from 1" to 4"
- **Material:**
316 Stainless Steel fitting

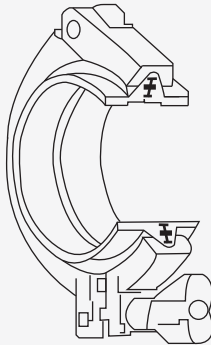
Operation:

Flat Face fittings are the more common hygienic option in Australia today due to their superior design that offers:

- no crevices
- easy access
- compatibility
- a wide range of gasket materials

The Flat Face style is sometimes referred to as BSM modified, or BSM lip removed

TRI-CLOVER® FITTINGS (SEE NOTE BELOW)



Description:

- Hygienic couplings for use in the food, beverage and pharmaceutical industries
- A connection is made up of a stainless steel hose tail, a clamp, and a gasket

Materials and Sizes:

- **Sizes:**
Available in a range of sizes from 1" to 4"
- **Material:**
316 Stainless Steel hose tail

Features:

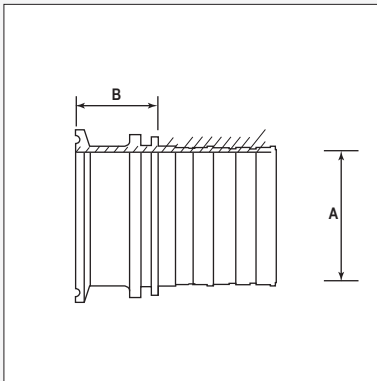
The most common hygienic fitting option in the dairy industry today

- crevice free interior
- secure self-aligning joint system



IFFBSM

316 S/S BSM FLAT FACE HOSE TAIL

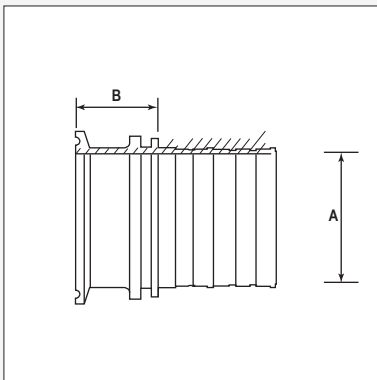


HOSE STEM			
Product Code	Dimensions		
	Hose Size A	Head	B (mm)
IFFBSM-025	25mm (1")	25mm (1")	46.2
IFFBSM-038	38mm (1.1/2")	38mm (1.1/2")	45.4
IFFBSM-050	50mm (2")	50mm (2")	46.4
IFFBSM-063	63mm (2.1/2")	63mm (2.1/2")	47.4
IFFBSM-076	76mm (3")	76mm (3")	47.4
IFFBSM-100	102mm (4")	100mm (4")	47.4

* NOTE: NOT supplied with BSM Nut

IFFRJT

316 S/S BSM RJT HOSE TAIL

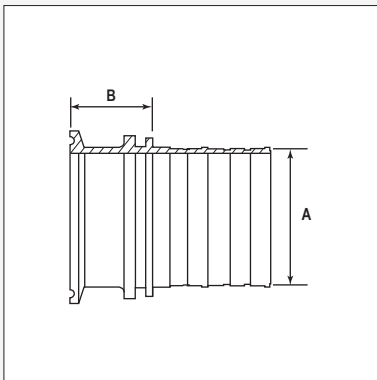


HOSE STEM			
Product Code	Dimensions		
	Hose Size A	Head	B (mm)
IFFRJT-025	25mm (1")	25mm (1")	46.2
IFFRJT-038	38mm (1.1/2")	38mm (1.1/2")	45.4
IFFRJT-050	50mm (2")	50mm (2")	46.4
IFFRJT-063	63mm (2.1/2")	63mm (2.1/2")	47.4
IFFRJT-076	76mm (3")	76mm (3")	47.4
IFFRJT-100	102mm (4")	100mm (4")	47.7

* NOTE: NOT supplied with BSM Nut

IFFTC

316 S/S TRI CLOVER HOSE TAIL



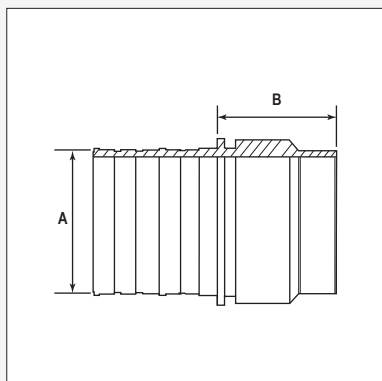
HOSE STEM			
Product Code	Dimensions		
	Hose Size A	Head	B (mm)
IFFTC-038	38mm (1.1/2")	38mm (1.1/2")	45.6
IFFTC-050	50mm (2")	50mm (2")	32.2

* NOTE: NOT supplied with Clamp

IFFSE

316 S/S STUB END HOSE TAIL

TO SUIT BSM / TRI CLOVER WELD ON LINERS & TUBE BENDS

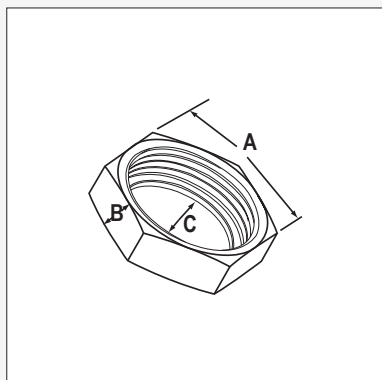


HOSE STEM			
Product Code	Dimensions		
	Hose Size A	Head	B (mm)
IFFSE-025	25mm (1")	25mm (1")	47.0
IFFSE-038	38mm (1 1/2")	38mm (1 1/2")	46.2
IFFSE-050	50mm (2")	50mm (2")	47.2
IFFSE-063	63mm (2 1/2")	63mm (2 1/2")	48.2
IFFSE-076	76mm (3")	76mm (3")	48.2

* NOTE: NOT supplied with BSM Nut

IFFNUT

304 S/S BSM HEX NUT

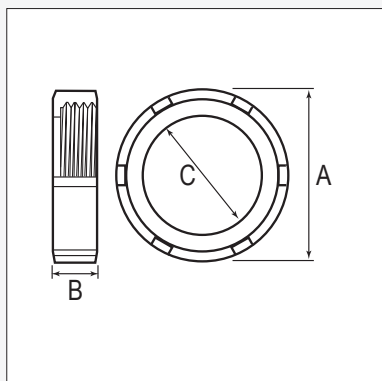


BSM NUT				
Product Code	Dimensions			
	A (mm)	B (mm)	C (mm)	Thread
IFFNUT-025	50.8	22.0	33.3	42.266 x 8 TPI Whit
IFFNUT-038	65.0	22.0	46.0	54.966 x 8 TPI Whit
IFFNUT-050	79.4	22.0	58.7	67.920 x 6 TPI Whit
IFFNUT-063	92.1	22.0	71.4	80.260 x 6 TPI Whit
IFFNUT-076	104.8	22.0	84.1	93.320 x 6 TPI Whit
IFFNUT-100	130.2	22.0	109.5	118.72 x 6 TPI WHIT

Note that Dimension 'C' refers to the hole diameter - not thread ID

IFFSNUT

304 S/S BSM SLOTTED NUT

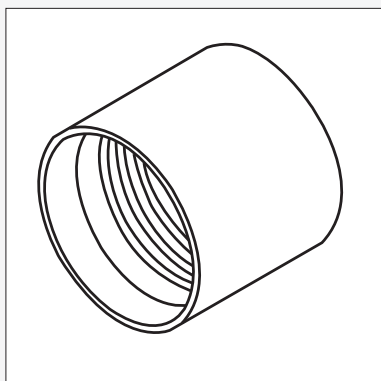


BSM SLOTTED NUT				
Product Code	Dimensions			
	A (mm)	B (mm)	C (mm)	Thread
IFFSNUT-025	59.0	22.0	33.5	42.266 x 8 TPI Whit
IFFSNUT-038	74.0	22.0	46.0	54.966 x 8 TPI Whit
IFFSNUT-050	86.0	22.0	58.7	67.920 x 6 TPI Whit
IFFSNUT-063	98.0	22.0	71.4	80.260 x 6 TPI Whit
IFFSNUT-076	112.0	22.0	84.0	93.320 x 6 TPI Whit
IFFSNUT-100	139.0	22.0	109.0	118.72 X 6 TPI WHIT

Note that Dimension 'C' refers to the hole diameter - not thread ID

IFFF

304 S/S FERRULE TO SUIT BEVERAGE DELIVERY
& PREMIUM FOOD HOSES

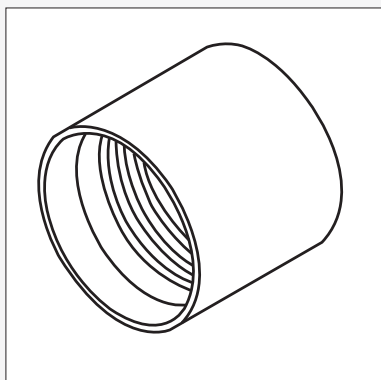


FERRULE FOR HOSE STEM			
Product Code	Dimensions		Ferrule ID(mm)
	Hose Size A	Suits Pirtek Hose	
IFFF-025	25mm (1")	IRBD / IRPF	41
IFFF-038*	38mm (1 1/2")	IRBD / IRPF / IRLF	55
IFFF-050	50mm (2")	IRBD / IRPF / IRPLF	67
IFFF-063	63mm (2 1/2")	IRBD / IRPF	85
IFFF-076	76mm (3")	IRBD / IRPF	96
IFFF-100*	102mm (4")	IRPF	122

* Can be used on PVC suction hoses

IFFLF

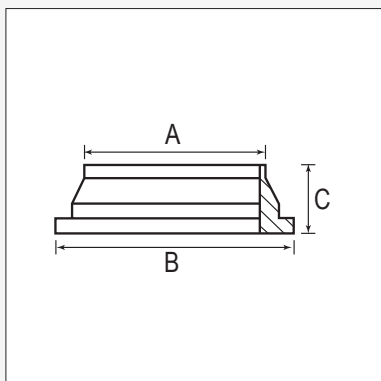
304 S/S FERRULE TO SUIT LIQUID FOOD HOSES & PVC SUCTION HOSES



FERRULE FOR HOSE STEM			
Product Code	Dimensions		Ferrule ID (mm)
	Hose Size A	Suits Pirtek Hose	
IFFLF-025	25mm (1")	IRLF	41
IFFLF-050	50mm (2")	IRLF, IRPLF	67
IFFLF-063	63mm (2 1/2")	IRLF, IRPLF	82.5
IFFLF-076	76mm (3")	IRLF	96

IFFLBSM

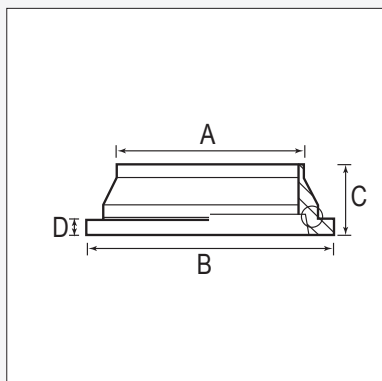
316 S/S BSM FLAT FACE
WELD ON LINER



BSM FLAT FACE WELD ON LINER				
Product Code	Dimensions			
	A (mm)	B (mm)	C (mm)	D (mm)
IFFLBSM-025	25.4	41.3	19.0	4.2
IFFLBSM-038	38.1	54.0	19.0	4.2
IFFLBSM-050	50.8	66.7	19.0	4.2
IFFLBSM-063	63.5	79.4	19.0	4.2
IFFLBSM-076	76.2	92.1	19.0	4.2
IFFLBSM-100	101.6	117.5	19.0	4.2

IFFLRJT

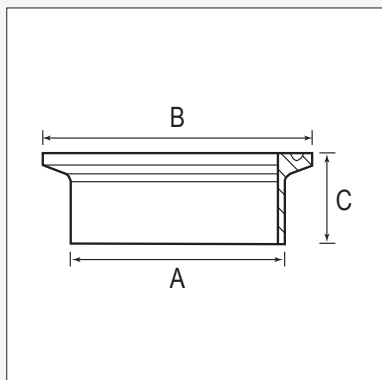
316 S/S BSM RJT WELD ON LINER



BSM RJT WELD ON LINER				
Product Code	Dimensions			
	A (mm)	B (mm)	C (mm)	D (mm)
IFFLRJT-025	25.4	41.3	19.0	4.2
IFFLRJT-038	38.1	54.0	19.0	4.2
IFFLRJT-050	50.8	66.7	19.0	4.2
IFFLRJT-063	63.5	79.4	19.0	4.2
IFFLRJT-076	76.2	92.1	19.0	4.2
IFFLRJT-100	101.6	117.5	19.0	4.2

IFFLTC

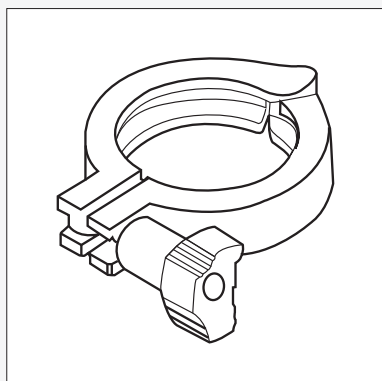
316 S/S TRI CLOVER WELD ON LINER



TRI CLOVER WELD ON LINER			
Product Code	Dimensions		
	A (mm)	B (mm)	C (mm)
IFFLTC-025	25.4	50.5	21.5
IFFLTC-038	38.1	50.5	21.5
IFFLTC-050	50.8	64.0	21.5
IFFLTC-063	63.5	77.5	21.5
IFFLTC-076	76.2	91.0	21.5
IFFLTC-100	101.6	119.0	21.5

IFFTCC

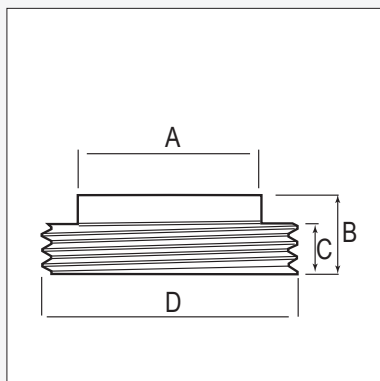
304 S/S TRI CLOVER CLAMP



TRI CLOVER CLAMP	
Product Code	Dimensions
	A (mm)
IFFTCC-025	25mm (1")
IFFTCC-038	38mm (1 1/2")
IFFTCC-050	50mm (2")
IFFTCC-063	63mm (2 1/2")
IFFTCC-076	76mm (3")
IFFTCC-100	102mm (4")

IFFLMBSM

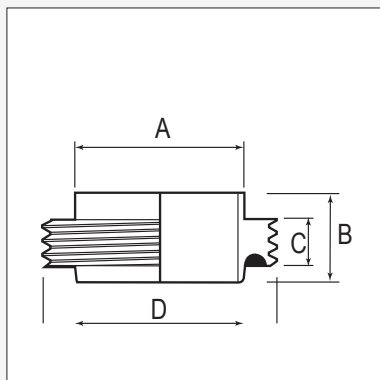
316 S/S BSM FLAT FACE MALE
THREAD WELD ON LINER



BSM FLAT FACE MALE THREAD WELD ON LINER				
Product Code	Dimensions			D9mm)
	A (mm)	B (mm)	C (mm)	
IFFLMBSM-025	25.4	22.0	14.0	45.7 X 8TPI WHIT
IFFLMBSM-038	38.1	22.0	14.0	58.4 X 8TPI WHIT
IFFLMBSM-050	50.8	22.0	14.0	72.7 X 6TPI WHIT
IFFLMBSM-063	63.5	22.0	14.0	85.4 X 6TPI WHIT
IFFLMBSM-076	76.2	22.0	14.0	98.1 X 6TPI WHIT
IFFLMBSM-100	101.6	22.0	14.0	123.5 X 6TPI WHIT

IFFLMRJT

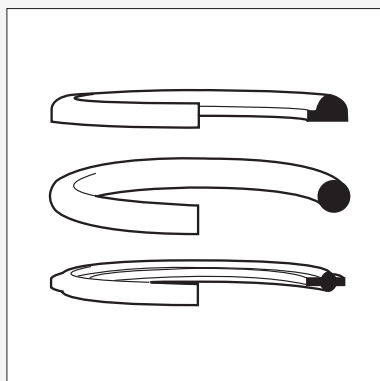
316 S/S BSM RJT MALE THREAD WELD ON LINER



BSM RJT MALE THREAD WELD ON LINER				
Product Code	Dimensions			D(mm)
	A (mm)	B (mm)	C (mm)	
IFFLMRJT-025	25.4	26.8	14.0	45.7 X 8TPI WHIT
IFFLMRJT-038	38.1	26.8	14.0	58.4 X 8TPI WHIT
IFFLMRJT-050	50.8	26.8	14.0	72.7 X 6TPI WHIT
IFFLMRJT-063	63.5	26.8	14.0	85.4 X 6TPI WHIT
IFFLMRJT-076	76.2	26.8	14.0	98.1 X 6TPI WHIT
IFFLMRJT-100	101.6	26.8	14.0	123.5 X 6TPI WHIT

IFFOR/SL

EPDM ORING / SEAL TO SUIT
BSM & TRI CLOVER FITTINGS



EPDM ORING TO SUIT BSM & TRI CLOVER FITTINGS			
Product Code			Size
Flat Face (Top)	RJT (Middle)	Tri Clover (Bottom)	
IFFORBSM-025	IFFORRJT-025	IFFSLTC-025	25mm (1")
IFFORBSM-038	IFFORRJT-038	IFFSLTC-038	38mm (1 1/2")
IFFORBSM-050	IFFORRJT-050	IFFSLTC-050	50mm (2")
IFFORBSM-063	IFFORRJT-063	IFFSLTC-063	63mm (2 1/2")
IFFORBSM-076	IFFORRJT-076	IFFSLTC-076	76mm (3")
IFFORBSM-100	IFFORRJT-100	IFFSLTC-100	102mm (4")

IFFTB45P

316 S/S POLISHED TUBE BENDS 45°



316 ST. STEEL POLISHED TUBE BENDS 45°		
Product Code	Dimensions	
	mm	
IFFTB45P-025	25	1.6 (#16 gauge)
IFFTB45P-038	38	1.6 (#16 gauge)
IFFTB45P-050	50	1.6 (#16 gauge)
IFFTB45P-063	63	1.6 (#16 gauge)
IFFTB45P-076	76	1.6 (#16 gauge)
IFFTB45P-100	100	1.6 (#16 gauge)

IFFTB90P

316 S/S POLISHED TUBE BENDS 90°



316 ST. STEEL POLISHED TUBE BENDS 90°		
Product Code	Dimensions	
	mm	
IFFTB90P-025	25	1.6 (#16 gauge)
IFFTB90P-038	38	1.6 (#16 gauge)
IFFTB90P-050	50	1.6 (#16 gauge)
IFFTB90P-063	63	1.6 (#16 gauge)
IFFTB90P-076	76	1.6 (#16 gauge)
IFFTB90P-100	100	1.6 (#16 gauge)

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K633A-xxx-PP	5	K333B-xxx-AL	13
K633A-xxx-SS	5	K333B-xxx-BR	13
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K633BC-xxx-BR	7	K333B-xxx-SS	13
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K633B-xxx-PP	5	K333C-xxx-PP	13
K633B-xxx-SS	5	K333C-xxx-SS	13
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K633D-xxx-PP	6	K333E-xxx-PP	14
K633D-xxx-SS	6	K333E-xxx-SS	14
K633E-xxx-AL	6	K333F-xxx-AL	14
K633E-xxx-BR	6	K333F-xxx-BR	14
K633E-xxx-PP	6	K333F-xxx-PP	14
K633E-xxx-SS	6	K333F-xxx-SS	14
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K633F-xxx-PP	6	K334A-xxx-PP	15
K633F-xxx-SS	6	K334A-xxx-SS	15
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