



CTION
SEALTITE
AIR & FLUID HANDLING PRODUCTS

Sales Catalogue





AIR & FLUID HANDLING PRODUCTS

Welcome to our Sales Trade Catalogue

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place a sales order please
use any of the following
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We accept leading credit/debit cards such as:



Approved Companies can take advantage of our 30 day
credit facilities subject to status and approval.

This Catalogue should be used
only as a guide to our Products.

Product Specifications in this Catalogue
should only be used as a Guide.

Products in this Catalogue can be
changed or are subject to modification
without prior notice.

We are a solutions and service provider, not a catalogue seller.

Action-Sealtite's commitments and objectives are:

- 1 To provide a full range of flexible hoses, couplings and fittings for all major industrial, food, pharmaceutical and chemical applications.
- 1 To provide complete solutions to its customers that work and meet the most stringent of today's Health, Safety and Environmental concerns.
- 1 To endeavour to provide our customers with practical and concise advice on a vast range of products ensuring that cost-effective and technically correct solutions are found for every situation and that all customers are dealt with in an efficient and friendly manner.
- 1 To continue to be the United Kingdom's leading supplier of Dry Disconnect couplings, where knowledge of the product(s) and application(s) is vital, where the prevention of spillage is critical, particularly today, where there is significant emphasis on and consideration of Health, Safety and the Environment.
- 1 To conduct our business in a professional, transparent and ethical manner at all times.

The company is Quality Assured to ISO9001:2008 with NQA.

Our primary goal is to keep building upon the relationships we have with our customers old and new.

Privacy Policy

Action-Sealtite is very conscious of the need to protect your privacy.

In order to process your order either through our sales department or our web site, we will need to collect your name, address and contact details, thus ensuring that the maximum level of service can be achieved.

Credit Card details are only retained for the purpose of completing the current transaction, and are not kept on any record. Each transaction will require the re-input of your card details.

The details we do hold are for Action-Sealtite purposes only, WE DO NOT PROVIDE THEM TO ANY OTHER THIRD PARTY.

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Any questions regarding our privacy policy can be addressed to info@actionsealtite.com

Action-Sealtite is part of the Flowmax Group of Companies

Contents

Camlocks

a

Pages 1 – 16

Snaplock	2 – 7	Din Thread	13
Saflok	8 – 9	Locking Dust Caps	13
Ever-Tite	9	Flanges	13
Banjo	10	Safety Bump	14
Undercuts DIN 2828	11	Safety Lock	14
No Threads	11	Teflon® Seals	15
Spiral Tail	12	Chemical Reference Chart	16
RS Style	12		

IBC Fittings

b

Pages 17 – 26

Adaptors and Couplers	18 – 20	Drum Dispensing System	23 – 24
Swivel-it	21	Ball Valves	25
IBC Vents	21	Connectivity	26
Drum Adaptors	22		

Quick Disconnects – Dry Breaks

c

Pages 27 – 72

Introduction	28 – 30	Fulcrum UK	66 – 68
Dry Link	31 – 40	Banjo Dry-Mate	69 – 70
Snap-Tite	41 – 48	RS DryDis	71
Colder Products Company®	49 – 60	Maxi-Dry	72
CleanBreak	61 – 65		

Hose & Hose Assemblies

d

Pages 73 – 100

Introduction	74 – 75	Silicone Hose	87
PTFE Teflon	76 – 78	Food Hose	88 – 90
Food Transfer (Trelleborg)	79 – 81	Chemical Hose	91 – 92
Food Cleaning (Trelleborg)	82	Steam Hose	93
Chemical & Petrochemical (Trelleborg)	83 – 84	Air Hose	94
Oil & Petroleum (Trelleborg)	85	Water Hose	95
Steam (Trelleborg)	86	PVC Hose	96
Composite Hose	86	Heat Resistant Sleeves	97 – 98
Pharmaceutical (Trelleborg)	87	Biopharmaceutical Tubing	99 – 100
Metallic Hose	87		

Hygienic Fittings

e

Pages 101 – 104

Silicone Hose	102	IDF/ISS	103
Hygienic Hose Tails	102	SMS	103
Hygienic Ferrules	102	Tri-Clamp	103
RJT	103	RJT Spanners	104
DIN	103	Stainless Steel Ball Valves	104

Clamps

f

Pages 105 – 114

Mikalor	106 – 107	Roman Seliger	112
316 Stainless Steel	108	High Pressure	113
Double Bolt	109	Heavy Duty Air	114
Band-It Clamp Series	110 – 111		

Hygienic Solutions

g

Pages 115 – 120

Sani-Tech® Hose & Tubing	116	ELEMENT Sensors & Controllers	118
Tygon® Hose & Tubing	116	Carboy Containers	118
Specialist Tubing	116	BioProcess Containers	119
C-Flex® Tubing	116	Peristaltic Pumps	119
Pure-Fit® Aseptic Connector	117	Aseptic Mixers	119
BarbLock®	117	PFA Products	119
Tube Clamps	117	Tanks & Containers	120
Colder Products Company®	117	Kest-Lock	120
ELEMENT Valves for Process	118	360 Sampling	120
Robolux	118	Sanisure	120

DIN Coupling Systems

h

Pages 121 – 130

Storz	122 – 124	Guillemin-Symmetrique	128 – 130
Roman Seliger	125 – 127		

Fuel Handling Products

i

Pages 131 – 136

Flow Meters	132	Manual Nozzles	135
Hose Reel for Diesel	132	Automatic Nozzles	136
Hand Pumps	133	Gravity Hose Kits	136
Rotary Hand Pumps	134		

Steam Coupling System

j

Pages 137 – 140

Steam Couplings and Clamps	138 – 140
----------------------------	-----------

Combination Nipples

k

Pages 141 – 142

Combination Nipples	142	Hose Menders	142
---------------------	-----	--------------	-----

Contents

Air Pressure Fittings

Pages 143 – 150

'Safeloc' Coupling	144	Claw Coupling Forged	147
'Universal' Coupling	145	Double Bolt Clamps	148
'Q' Claw Coupling	146	Whipcheck	149
'Mody' Claw Coupling	147	Air Hose	150
Claw Coupling Stainless Steel	147		

Air Line Coupling System

m

Pages 151 – 154

Air Line Quick Release	152 – 154
------------------------	-----------

Water Guns & Couplings

n

Pages 155 – 162

Water Guns	156 – 157	Lugged Couplings	161
Dyros Water Couplings	158 – 159	Hot Water Lance Gun	162
Quick Fit 'Geka Style' Couplings	160	Water Guns for Lance Mounting	162

Hose Reels

o

Pages 163 – 166

Gen III Range	164	SE Range	165
Gen IV Range	164	Hose Reel for Diesel	166
Reeltek Range	165	Cased Reel Air / Water	166

Ball Valves

p

Pages 167 – 170

IBC Polypropylene	168	Banjo Polypropylene Bolted Ball Valves	170
IBC Ball Valves	169	Banjo Stubby Ball Valves	170
Stainless Steel Ball Valves	169	Banjo Single Union Ball Valves	170
Brass, Chrome Plated Ball Valves	169		

Tanker & Fire Instantaneous Fittings

q

Pages 171 – 174

Tanker Fittings	172 – 173	Instantaneous Fittings	174
-----------------	-----------	------------------------	-----

Gunmetal

r

Pages 175 – 176

Gunmetal Fittings	176
-------------------	-----

Index

Page 177

Snaplock	2 – 7
Saflok	8 – 9
Ever-Tite	9
Banjo	10
Undercuts DIN 2828	11
No Threads	11
Spiral Tail	12
RS Style	12
Din Thread	13
Locking Dust Caps	13
Flanges	13
Safety Bump	14
Safety Lock	14
Teflon® Seals	15
Chemical Reference Chart	16



Camlocks

Snaplock Camlock Couplings



Aluminium



Stainless Steel



Brass

“The original ‘Snaplock’ quick release coupling”

The tried & trusted cam coupling with the high reputation of the ‘Snaplock’ brand name offering additional features to our standard Camlock couplings.

- † Straight through, leak-proof connections.
- † No tools required to connect.
- † Available in Aluminium, Brass, 316 Stainless Steel and in Polyglass.
- † ½” to 6” sizes in Aluminium/Brass & Stainless Steel.
- † ½” to 4” sizes in Polyglass.
- † Branded product made from our own tooling.
- † Heat marked fully traceable on Stainless Steel.
- † All ½” couplers have two handles as standard.
- † BSP or NPT threads.
- † Working pressures up to 150 PSI (10 bar).
- † 3.1 Material certification on Stainless Steel.

Applications

For pipe, hose, tubing and tanks conveying liquids and powders, including cooling water, fuels, chemicals, cosmetics, foodstuffs, offshore, pumps, adhesives, dyes, pharmaceuticals, pellets and many more.



Camlocks are designed for use in low pressure liquid applications.

Not recommended for compressed air and gases.

Polyglass Camlock Couplings



"A 20% Glass-coupled Polypropylene quick release coupling"

The excellent chemical resistance and lightweight properties of this coupling combined with all Stainless Steel moving parts make this cam coupling one of the most cost effective.

- 1 Straight through, leak-proof connections.
- 1 No tools required to connect.
- 1 UK manufactured product.
- 1 1/2" to 4" sizes.
- 1 BSP or NPT threads.
- 1 Butress threaded versions for IBCs.
- 1 Working pressures up to 100 PSI (7 bar).

Applications

For pipe, hose, tubing and tanks conveying liquids and powders, including cooling water, fuels, chemicals, cosmetics, foodstuffs, offshore, pumps, adhesives, dyes, pharmaceuticals, pellets, IBCs.

Please note: All 1 1/4" Snaplock Poly are actually 1" Cam Connection x 1 1/4" Thread or Hose Tail

There are 2 other options available:

- 1 1/2" Cam Connection x 1 1/4" Thread or Hose Tail
- 1 1/4" Cam Connection x 1 1/4" Thread or Hose Tail

Please contact the Sales Office for details

Fig. A



Fig. B



How Camlock Couplings Work

Fig. A: The coupling is connected by simply opening the coupler arms and inserting the adaptor into the coupler. The cam arms are then closed at the same time under normal hand pressure to complete joint.

Fig. B: The standard coupling is supplied with a Buna Nitrile Rubber seal.

See Page 6 for other materials like Viton, EPDM, Neoprene and PTFE.

Camlocks

Part A, B, C & D

Nominal Size	ALUMINIUM		BRASS	STAINLESS STEEL	POLYGLASS
	ins	mm	Code	Code	Code
Part A Adaptor with Female Thread BSP. For NPT, Add -NPT to code below					
1/2	13	A050-A	A050-B	A050-SS	A050-P
3/4	19	A075-A	A075-B	A075-SS	A075-P
1	25	A100-A	A100-B	A100-SS	A100-P
1 1/4	32	A125-A	A125-B	A125-SS	A125-P
1 1/2	40	A150-A	A150-B	A150-SS	A150-P
2	50	A200-A	A200-B	A200-SS	A200-P
2 1/2	65	A250-A	A250-B	A250-SS	
3	75	A300-A	A300-B	A300-SS	A300-P
4	100	A400-A	A400-B	A400-SS	A400-P
5	125	A500-A	A500-B	A500-SS	
6	150	A600-A	A600-B	A600-SS	
Part B Coupler with Male Thread BSP. For NPT, Add -NPT to code below					
1/2	13	B050-A	B050-B	B050-SS	B050-P
3/4	19	B075-A	B075-B	B075-SS	B075-P
1	25	B100-A	B100-B	B100-SS	B100-P
1 1/4	32	B125-A	B125-B	B125-SS	B125-P
1 1/2	40	B150-A	B150-B	B150-SS	B150-P
2	50	B200-A	B200-B	B200-SS	B200-P
2 1/2	65	B250-A	B250-B	B250-SS	
3	75	B300-A	B300-B	B300-SS	B300-P
4	100	B400-A	B400-B	B400-SS	B400-P
5	125	B500-A	B500-B	B500-SS	
6	150	B600-A	B600-B	B600-SS	
Part C Coupler with Hose Tail					
1/2	13	C050-A	C050-B	C050-SS	C050-P
3/4	19	C075-A	C075-B	C075-SS	C075-P
1	25	C100-A	C100-B	C100-SS	C100-P
1 1/4	32	C125-A	C125-B	C125-SS	C125-P
1 1/2	40	C150-A	C150-B	C150-SS	C150-P
2	50	C200-A	C200-B	C200-SS	C200-P
2 1/2	65	C250-A	C250-B	C250-SS	
3	75	C300-A	C300-B	C300-SS	C300-P
4	100	C400-A	C400-B	C400-SS	C400-P
5	125	C500-A	C500-B	C500-SS	
6	150	C600-A	C600-B	C600-SS	
Part D Coupler with Female Thread BSP. For NPT, Add -NPT to code below					
1/2	13	D050-A	D050-B	D050-SS	D050-P
3/4	19	D075-A	D075-B	D075-SS	D075-P
1	25	D100-A	D100-B	D100-SS	D100-P
1 1/4	32	D125-A	D125-B	D125-SS	D125-P
1 1/2	40	D150-A	D150-B	D150-SS	D150-P
2	50	D200-A	D200-B	D200-SS	D200-P
2 1/2	65	D250-A	D250-B	D250-SS	
3	75	D300-A	D300-B	D300-SS	D300-P
4	100	D400-A	D400-B	D400-SS	D400-P
5	125	D500-A	D500-B	D500-SS	
6	150	D600-A	D600-B	D600-SS	

Available Options



Part 'A' Cam Adaptor with Female BSP or NPT Thread.



Part 'B' Cam Coupler with Male BSP or NPT Thread.



Part 'C' Coupler with Hose Tail.



Part 'D' Cam Coupler with Female BSP or NPT Thread.

Part E, F, DC & DP

Nominal Size		ALUMINIUM	BRASS	STAINLESS STEEL	POLYGLASS
ins	mm	Code	Code	Code	Code
Part E Adaptor with Hose Tail					
1/2	13	E050-A	E050-B	E050-SS	E050-P
3/4	19	E075-A	E075-B	E075-SS	E075-P
1	25	E100-A	E100-B	E100-SS	E100-P
1 1/4	32	E125-A	E125-B	E125-SS	E125-P
1 1/2	40	E150-A	E150-B	E150-SS	E150-P
2	50	E200-A	E200-B	E200-SS	E200-P
2 1/2	65	E250-A	E250-B	E250-SS	
3	75	E300-A	E300-B	E300-SS	E300-P
4	100	E400-A	E400-B	E400-SS	E400-P
5	125	E500-A	E500-B	E500-SS	
6	150	E600-A	E600-B	E600-SS	
Part F Adaptor with Male Thread BSP. For NPT, Add -NPT to code below					
1/2	13	F050-A	F050-B	F050-SS	F050-P
3/4	19	F075-A	F075-B	F075-SS	F075-P
1	25	F100-A	F100-B	F100-SS	F100-P
1 1/4	32	F125-A	F125-B	F125-SS	F125-P
1 1/2	40	F150-A	F150-B	F150-SS	F150-P
2	50	F200-A	F200-B	F200-SS	F200-P
2 1/2	65	F250-A	F250-B	F250-SS	
3	75	F300-A	F300-B	F300-SS	F300-P
4	100	F400-A	F400-B	F400-SS	F400-P
5	125	F500-A	F500-B	F500-SS	
6	150	F600-A	F600-B	F600-SS	
Part DC Dust Cap					
1/2	13	DC050-A	DC050-B	DC050-SS	
3/4	19	DC075-A	DC075-B	DC075-SS	DC075-P
1	25	DC100-A	DC100-B	DC100-SS	DC100-P
1 1/4	32	DC125-A	DC125-B	DC125-SS	
1 1/2	40	DC150-A	DC150-B	DC150-SS	DC150-P
2	50	DC200-A	DC200-B	DC200-SS	DC200-P
2 1/2	65	DC250-A	DC250-B	DC250-SS	
3	75	DC300-A	DC300-B	DC300-SS	DC300-P
4	100	DC400-A	DC400-B	DC400-SS	DC400-P
5	125	DC500-A	DC500-B	DC500-SS	
6	150	DC600-A	DC600-B	DC600-SS	
Part DP Dust Plug					
1/2	13	DP050-A	DP050-B	DP050-SS	
3/4	19	DP075-A	DP075-B	DP075-SS	DP075-P
1	25	DP100-A	DP100-B	DP100-SS	DP100-P
1 1/4	32	DP125-A	DP125-B	DP125-SS	
1 1/2	40	DP150-A	DP150-B	DP150-SS	DP150-P
2	50	DP200-A	DP200-B	DP200-SS	DP200-P
2 1/2	65	DP250-A	DP250-B	DP250-SS	
3	75	DP300-A	DP300-B	DP300-SS	DP300-P
4	100	DP400-A	DP400-B	DP400-SS	DP400-P
5	125	DP500-A	DP500-B	DP500-SS	
6	150	DP600-A	DP600-B	DP600-SS	

Available Options



Part 'E' Cam Adaptor with Double Ribbed Hose Tail.



Part 'F' Cam Adaptor with Male BSP or NPT Thread.



Part 'DC' Dust Cap for Adaptors.



Part 'DP' Dust Plug for Couplers.

Camlocks

Snaplock Camlock Couplings Accessories

Gaskets

Standard Gaskets for metallic couplings are BUNA.

For Polypropylene couplings, the standard gasket is Ribbed Santoprene.

Dependent on application various seals available such as Buna, EPDM, Viton, Teflon Buna, Teflon Viton, Neoprene, and other speciality materials.

FEP/Silicone fully encapsulated, see page 15 for more details.



Nominal Size ins	mm	BUNA Code	EPDM Code	VITON Code	NEOPRENE BLACK Code	TEFLON BUNA Code	TEFLON VITON Code
1/2	13	050GSK-BU	050GSK-EP	050GSK-VA	050GSK-NB	050GSK-TB	050GSK-TV
3/4	19	075GSK-BU	075GSK-EP	075GSK-VA	075GSK-NB	075GSK-TB	075GSK-TV
1	25	100GSK-BU	100GSK-EP	100GSK-VA	100GSK-NB	100GSK-TB	100GSK-TV
1 1/4	32	125GSK-BU	125GSK-EP	125GSK-VA	125GSK-NB	125GSK-TB	125GSK-TV
1 1/2	40	150GSK-BU	150GSK-EP	150GSK-VA	150GSK-NB	150GSK-TB	150GSK-TV
2	50	200GSK-BU	200GSK-EP	200GSK-VA	200GSK-NB	200GSK-TB	200GSK-TV
2 1/2	65	250GSK-BU	250GSK-EP	250GSK-VA	250GSK-NB	250GSK-TB	250GSK-TV
3	75	300GSK-BU	300GSK-EP	300GSK-VA	300GSK-NB	300GSK-TB	300GSK-TV
4	100	400GSK-BU	400GSK-EP	400GSK-VA	400GSK-NB	400GSK-TB	400GSK-TV
5	125	500GSK-BU	500GSK-EP	500GSK-VA	500GSK-NB	500GSK-TB	500GSK-TV
6	150	600GSK-BU	600GSK-EP	600GSK-VA	600GSK-NB	600GSK-TB	600GSK-TV
Temp Range °C							
Min		-40	-30	-40	-50	-40	-40
Max		+93	+149	+200	+107	+93	+200

Handles, Rings & Pins

Stainless Steel Handles (304)

Standard on all Brass, Stainless Steel and Polypropylene couplings.

Brass Handles

Fitted as standard to all Aluminium couplings

Finger Rings

(Fitted to all sizes) Zinc Plated Mild Steel on Aluminium, Brass and Polypropylene couplings. Stainless Steel Rings are used on Stainless Steel couplings.

Pins

304 Stainless Steel on Aluminium, Brass, Stainless Steel and Polypropylene couplings.



Coupling Size ins	BRASS Code	STAINLESS STEEL Code	PINS Code	RINGS Code
1/2 - 3/4	HR050-BR	HR050-SS	P050	R050-SS
1	HR100-BR	HR100-SS	P100	R050-SS
1 1/4 - 2 1/2	HR200-BR	HR200-SS	P200	R200-SS
3 - 5	HR300-BR	HR300-SS	P300	R300-SS
6	HR600-BR	HR600-SS	P600	R300-SS

Snaplock Technical Information

Specification

Capable of carrying liquids, powders and granules. The applications for this 'straight through coupling' are limited only by the compatibility of the material and the seal with the media being handled, and the working pressure. Probably the simplest and most versatile quick coupling available. Interchangeable with other cam and groove products originally made to A-A-59326A (formerly MIL-C-27487).

Working Pressures Guidelines only PSI (bar)

These working pressures are given for ambient temperatures using Elastomeric seals. Higher temperatures and / or PTFE seals will reduce the pressure rating of the coupling. In the case of Polypropylene the maximum working temperature is 70°C and at this temperature the working pressures below must be reduced by 40%.

Size	Inch	1/2	3/4 - 2	2 1/2	3	4	5-6
	mm	13	19 - 50	65	75	100	125-150
Aluminium		125 (9 bar)	150 (10 bar)	150 (10 bar)	150 (10 bar)	150 (10 bar)	75 (5 bar)
Brass		125 (9 bar)	150 (10 bar)	150 (10 bar)	150 (10 bar)	150 (10 bar)	75 (5 bar)
Stainless Steel		150 (10 bar)	150 (10 bar)	150 (10 bar)	150 (10 bar)	150 (10 bar)	125 (9 bar)
Polypropylene		75 (5 bar)	100 (7 bar)	n/a	50 (4 bar)	50 (4 bar)	n/a

Note: All Snaplock 1/2" Aluminium, Brass and Stainless Steel couplers are fitted with two handles as standard.



Snaplocks are designed for use in low pressure liquid applications.

Not recommended for compressed air and gases.

Aluminium Couplings

Gravity die cast and may be anodised on request, particularly for military contracts.

Brass Couplings

Forged for 1/2" to 3" and sand cast for all other sizes.

316 Stainless Steel Couplings

Investment cast. (316 is equivalent to the DIN reference 1.4404).

Polypropylene Couplings

Manufactured from acid resistant 20% glass reinforced Polypropylene.

Threads

Standard Snaplock couplings when fitted to hose nipples are designed to seal on the thread. Snaplock Male threads are therefore BSP taper to BS21 and the Female thread is BSPP parallel to BS 2779.

In cases where the nipple has a Male parallel thread and is designed to seal on a gasket, most sizes of Snaplock couplings with Female threads in Aluminium or Stainless Steel, can be supplied with an undercut and seal to suit.

NPT is also available as standard.

Other End Fittings

Hose Tails are double ribbed for metallic couplings, multi-serrated for Polypropylene. Hose Tails are also available to DIN 2828. Also available are flanged or weld ends.

Certification

Full certification is available if requested at the time of order. However contracts requiring DIN 3.1 certification will be subject to special quotation.

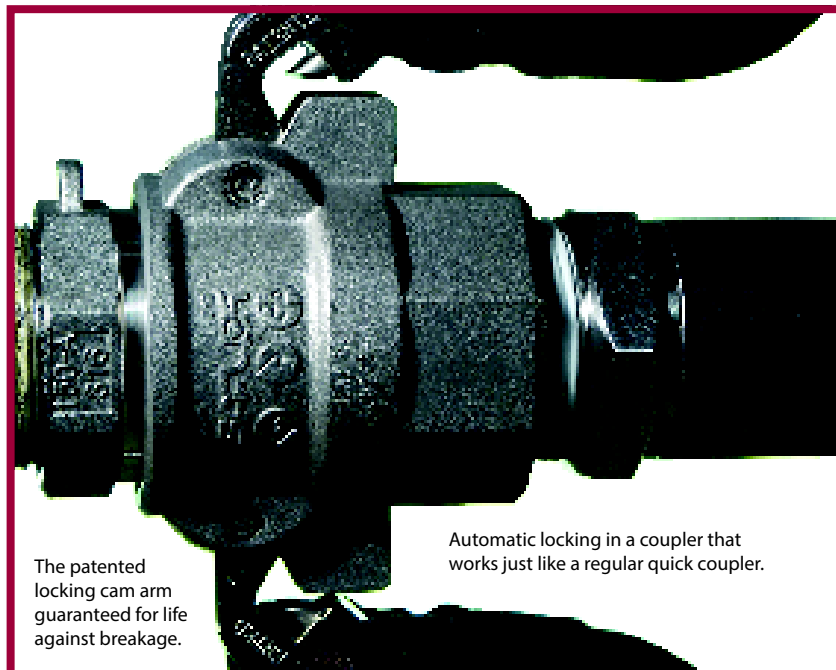
Camlocks

SAFLOK Self-Locking Quick Coupler

"Safety for personnel, the environment and reduced costs due to accidental disconnection"

All the convenient ease and multiple uses of a standard cam and groove coupling with higher design and safety properties of a world patented brand named product.

- i Prevents accidental disconnection
- i Conforms to DIN 2828 & A-A-59326 (Mil-C-27487) specifications
- i Patented safety locking cam arm



The patented locking cam arm guaranteed for life against breakage.

Automatic locking in a coupler that works just like a regular quick coupler.

Features

- i Can be fitted to any standard cam adaptor.
- i Material: Stainless Steel with Buna Nitrile seals. Other seals are available on request.
- i Sizes: 1/2" to 4", BSP thread.

Available Options

Part B, Part C, Part D and Part DC.

Also available to DIN 2828 specification.

Benefits

Handles automatically lock into the body when closed.

Handles will stay CLOSED until YOU release them.

To open, pull the finger ring down and the handle will open in the normal way.

These couplings will assist in the prevention of spillage of expensive and/or hazardous materials during product transfer processes.

Applications

Specifically for liquid chemicals and pharmaceuticals but also for cosmetics, foodstuffs, inks, adhesives, dyes, particularly where safety and costs are important.

Nominal Size		STAINLESS STEEL			
ins	mm	Part B	Part C	Part D	Part DC
		Coupler with Male Thread BSP	Coupler with Hose Tail	Coupler with Female Thread BSP	Dust Cap
1/2	13	B050-SAFLOK-SS	C050-SAFLOK-SS	D050-SAFLOK-SS	DC050-SAFLOK-SS
3/4	19	B075-SAFLOK-SS	C075-SAFLOK-SS	D075-SAFLOK-SS	DC075-SAFLOK-SS
1	25	B100-SAFLOK-SS	C100-SAFLOK-SS	D100-SAFLOK-SS	DC100-SAFLOK-SS
1 1/4	32	B125-SAFLOK-SS	C125-SAFLOK-SS	D125-SAFLOK-SS	DC125-SAFLOK-SS
1 1/2	40	B150-SAFLOK-SS	C150-SAFLOK-SS	D150-SAFLOK-SS	DC150-SAFLOK-SS
2	50	B200-SAFLOK-SS	C200-SAFLOK-SS	D200-SAFLOK-SS	DC200-SAFLOK-SS
2 1/2	65	B250-SAFLOK-SS	C250-SAFLOK-SS	D250-SAFLOK-SS	DC250-SAFLOK-SS
3	75	B300-SAFLOK-SS	C300-SAFLOK-SS	D300-SAFLOK-SS	DC300-SAFLOK-SS
4	100	B400-SAFLOK-SS	C400-SAFLOK-SS	D400-SAFLOK-SS	DC400-SAFLOK-SS

The standard coupling is supplied with a Buna Nitrile Rubber seal.



Part B



Part C



Part CRS



Part D



Part DC



Part DU

Ever-Tite Camlock Couplings

“The original cam locking quick release coupling”

All the convenient ease and multiple uses of a standard cam & groove coupling with higher design and construction properties of the world renowned brand named product.

- 1 Superior quality body-precision machined surfaces.
- 1 Meets or exceeds military standards.
- 1 Uniform wall thickness assures no weak spots.
- 1 Extra heavy reinforcing rim on coupler bodies.
- 1 Available in Aluminium, Brass and 316 Stainless Steel.

- 1 Also available in Hard Coat or Anodised Aluminium, Monel, Hastelloy C and Carpenter 20.
- 1 ½” to 8” sizes.
- 1 BSP or NPT threads.
- 1 Working pressures up to 250 PSI (18 bar).

Applications

For pipe, hose, tubing and tanks conveying liquids and powders, including cooling water, fuels, chemicals, cosmetics, foodstuffs, offshore, pumps, adhesives, dyes, pharmaceuticals, pellets and many more.

The standard coupling is supplied with a Buna Nitrile Rubber seal.

For Part Numbers please call the Sales Office.



'Banjo' Camlock Couplings



"The premier Polypropylene cam locking quick release coupling"

All the convenient ease and multiple uses of a standard cam & groove coupling with higher design and construction properties of the world renowned brand named product.

- 1 Superior quality body-precision machined surfaces.
- 1 Precision moulded – ensures a uniform and accurate fit.
- 1 Polypropylene is glass filled for rugged strength/durability
- 1 Stainless Steel rings, arms & pins.
- 1 Versatile – interchangeable with other cam lever couplers.
- 1 ½" to 4" sizes.



- 1 BSP or NPT threads.
- 1 Working pressures up to 125 PSI (temperature dependent).
- 1 The standard coupling is supplied with an EPDM gasket.

Applications

For pipe, hose, tubing and tanks conveying liquids and powders, including cooling water, fuels, chemicals, cosmetics, foodstuffs, offshore, pumps, adhesives, dyes, pharmaceuticals, pellets and many more.

How it Works

The coupling is connected by simply opening the coupler arms and inserting the adaptor into the coupler. The cam arms are then closed under normal hand pressure to complete joint.

Nominal Size ins	mm	Part A Code	Part B Code	Part C Code	Part D Code	Part E Code	Part F Code	Part DC Code	Part DP Code
For NPT, Add -NPT to code below									
½	13	A050-PB	B050-PB	C050-PB	D050-PB	E050-PB	F050-PB		
¾	19	A075-PB	B075-PB	C075-PB	D075-PB	E075-PB	F075-PB	DC075-PB	DP075-PB
1	25	A100-PB	B100-PB	C100-PB	D100-PB	E100-PB	F100-PB	DC100-PB	DP100-PB
1 ¼	32	A125-PB	B125-PB	C125-PB	D125-PB	E125-PB	F125-PB		
1 ½	40	A150-PB	B150-PB	C150-PB	D150-PB	E150-PB	F150-PB	DC150-PB	DP150-PB
2	50	A200-PB	B200-PB	C200-PB	D200-PB	E200-PB	F200-PB	DC200-PB	DP200-PB
3	75	A300-PB	B300-PB	C300-PB	D300-PB	E300-PB	F300-PB	DC300-PB	DP300-PB
4	100	A400-PB	B400-PB	C400-PB	D400-PB	E400-PB	F400-PB	DC400-PB	DP400-PB

Please note: All 1 ¼" Poly Banjo are actually 1" Cam Connection x 1 ¼" Thread or Hose Tail

Special Camlock Couplings



Part 'AU' Cam Adaptor with BSPP Undercut Female Thread to DIN 2828.



Part 'DU' Cam Coupler with BSPP Undercut Female Thread to DIN 2828.

Undercuts DIN 2828

Where the Male thread on the hose is parallel, couplings are available with an undercut at the base of the thread and a gasket on which the Male thread seals.

Available in Aluminium and 316 Stainless Steel.

Available in sizes from 1/2" to 4".

Gaskets: Vulkolan in Aluminium, PTFE in Stainless Steel.

Nominal Size ins	mm	ALUMINIUM		STAINLESS STEEL	
		Code	Code	Code	Code
		Adaptor	Coupler	Adaptor	Coupler
1/2"	13	AU050-A	DU050-A	AU050-SS	DU050-SS
3/4"	19	AU075-A	DU075-A	AU075-SS	DU075-SS
1	25	AU100-A	DU100-A	AU100-SS	DU100-SS
1 1/4"	32	AU125-A	DU125-A	AU125-SS	DU125-SS
1 1/2"	40	AU150-A	DU150-A	AU150-SS	DU150-SS
2	50	AU200-A	DU200-A	AU200-SS	DU200-SS
2 1/2"	65	AU250-A	DU250-A	AU250-SS	DU250-SS
3	75	AU300-A	DU300-A	AU300-SS	DU300-SS
4	100	AU400-A	DU400-A	AU400-SS	DU400-SS



Part 'B' Cam Coupler with Male End with No Thread.



Part 'F' Cam Adaptor with Male End with No Thread.

No Threads

Part B and Part F couplings are available for those applications which require weld ends.

Available in Aluminium and 316 Stainless Steel.

Available in sizes from 1/2" to 4".

Nominal Size ins	mm	ALUMINIUM		STAINLESS STEEL	
		Code	Code	Code	Code
		Coupler	Adaptor	Coupler	Adaptor
1/2"	13	B050-NT-A	F050-NT-A	B050-NT-SS	F050-NT-SS
3/4"	19	B075-NT-A	F075-NT-A	B075-NT-SS	F075-NT-SS
1	25	B100-NT-A	F100-NT-A	B100-NT-SS	F100-NT-SS
1 1/4"	32	B125-NT-A	F125-NT-A	B125-NT-SS	F125-NT-SS
1 1/2"	40	B150-NT-A	F150-NT-A	B150-NT-SS	F150-NT-SS
2	50	B200-NT-A	F200-NT-A	B200-NT-SS	F200-NT-SS
2 1/2"	65	B250-NT-A	F250-NT-A	B250-NT-SS	F250-NT-SS
3	75	B300-NT-A	F300-NT-A	B300-NT-SS	F300-NT-SS
4	13	B400-NT-A	F400-NT-A	B400-NT-SS	F400-NT-SS

Camlocks

Special Camlock Couplings



Part 'C' Cam Coupler with Spiral Hose Tail.



Part 'E' Cam Adaptor with Spiral Hose Tail.

Nominal Size		ALUMINIUM		STAINLESS STEEL	
ins	mm	Part C	Part E	Part C	Part E
2	50	CTI200-A	ETI200-A	CTI200-SS	ETI200-SS
3	75	CTI300-A	ETI300-A	CTI300-SS	ETI300-SS
4	100	CTI400-A	ETI400-A	CTI400-SS	ETI400-SS



Part 'C' 'RS Style' Cam Coupler.



Part 'E' 'RS Style' Cam Adaptor.

Nominal Size		STAINLESS STEEL	
ins	mm	Part C	Part E
3/4	19	CRS075-SS	ERS075-SS
1	25	CRS100-SS	ERS100-SS
1 1/4	32	CRS125-SS	ERS125-SS
1 1/2	40	CRS150-SS	ERS150-SS
2	50	CRS200-SS	ERS200-SS
3	75	CRS300-SS	ERS300-SS

Clamps to Suit			
OD Size	Code	OD Size	Code
50-52mm	RS38x6.5-AL	89-93mm	RS75x8-AL
53-56mm	RS38x8-AL	94-97mm	RS75x10-AL
64-67mm	RS50x8-AL	114-119mm	RS100x8-AL
69-71mm	RS50x10-AL	118-122mm	RS100x10-AL
78-82mm	RS63x8-AL	122-126mm	RS100x12-AL

Spiral Tail

For composite hoses, couplings with spiral/helical tails can be matched against the internal wire helix used in the hose construction. This enables the coupling to be 'screwed' into the composite hose and secured by means of a swaged ferrule.

Sizes available are 2", 3" and 4", Aluminium or Stainless Steel.

RS Style Coupling

The tail of the CRS and the ERS coupling has an annular collar which enables the RS style clamp, which has a lip, to engage behind the collar to prevent hose blow off.

Sizes available are from 3/4" to 3" in Stainless Steel only.

The Clamps are ordered separately. The Aluminium clamps are detailed in the table below.



'RS' Aluminium Clamp



Part 'A' Cam Adaptor with Female S60x6 Thread.



Part 'D' Cam Coupler with Female S60x6 Thread.

Din Thread

Camlock products conforming to DIN standard with the thread S60x6.

Available in Polypropylene and 316 Stainless Steel.

Available in sizes from 1", 1 1/4", 1 1/2" and 2".

Nominal Size		STAINLESS STEEL	POLYPROPYLENE		
ins	mm	Part A	Part D	Part A	Part D
1	25	100A-DIN-SS	100D-DIN-SS	100A-DIN-PG	100D-DIN-PG
1 1/4	32	125A-DIN-SS	125D-DIN-SS	125A-DIN-PG	125D-DIN-PG
1 1/2	40	150A-DIN-SS	150D-DIN-SS	150A-DIN-PG	150D-DIN-PG
2	50	200A-DIN-SS	200D-DIN-SS	200A-DIN-PG	200D-DIN-PG



Part 'DC' Dust Cap for Adaptors with Locking Handles.

Locking Dust Caps

For security, locking dust caps can be provided. When closed, the handles on these parts can be fitted with a padlock, so that no unauthorised personnel can remove the dust cap.

Sizes available are 2", 2 1/2" & 3" in Aluminium and Stainless Steel.

For Part Numbers please call the Sales Office.



Part 'FLA' Flanged Cam Adaptor.



Part 'FLB' Flanged Cam Coupler.

Flanges

Couplings are available with flanged ends so that the quick release system can be introduced without the necessity of a major restructuring of the pipework.

Since there are many variations in flange sizes, please contact us to discuss your specific requirements.

Examples are: PN16 and ASA150.

For Part Numbers please call the Sales Office.

Camlocks

Safety Bumps & Safety Locks

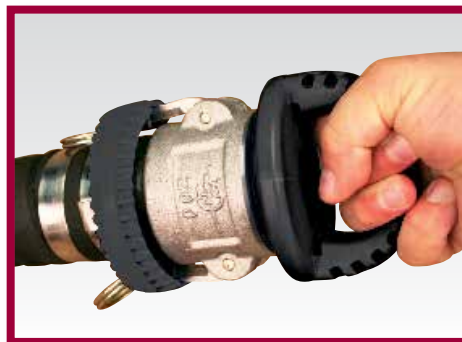
Safety Bump

Use Safety Bump to make hose handling easier, help protect the hands of the people who handle your hoses and extend the life of your hose assembly by protecting the couplings on the end of your hose.

Features

- 1 Available in antistatic and food grade.
- 1 Sizes: 2", 3" & 4".
- 1 Made from a glass filled composite with antistatic additive or a food grade certified composite.
- 1 Black: For general industrial and hazardous chemical applications. Manufactured from glass filled composite with antistatic additive.
- 1 White: For food grade applications. Manufactured from a food grade certified composite.
- 1 Unlike traditional caps and plugs, Safety Bumps can be safely vented, eliminating the danger of injury from removing caps and plugs from a hose that has built up vapour pressure.

Please Note: The Food Grade Safety Bump is not suitable for potentially flammable applications



For Food Grade Quality Applications

Nominal Size		Male (Dust Plugs)	Female (Dust Caps)
ins	mm	Code	Code
2	50	SB200M-FG	SB200F-FG
3	75	SB300M-FG	SB300F-FG
4	100	SB400M-FG	SB400F-FG



Male (Dust Plug)



Female (Dust Cap)

For General Industrial and Chemical Use

Nominal Size		Male (Dust Plugs)	Female (Dust Caps)
ins	mm	Code	Code
2	50	SB200M	SB200F
3	75	SB300M	SB300F
4	100	SB400M	SB400F



Male (Dust Plug)



Female (Dust Cap)

Safety Lock

Eliminates spills due to cam lock ears opening up during delivery.

Safety Lock is an alternative choice to other forms in the market with its easy to install and easy to remove heavy duty clip, which clicks into place over the ears.

Nominal Size		Safety Locks
ins	mm	Code
2	50	SBL200
3	75	SBL300
4	100	SBL400



TEFLON® Encapsulated Cam Gaskets

Teflon® Encapsulated Cam Gaskets combine the benefits of a Viton® or Silicone Elastomeric Rubber with the chemical resistance and mechanical properties of Teflon® FEP/PFA polymer. The result being a chemical inert and assured Cam Gasket seal.

Difficulties that common seals are associated with:

- 1 **Hostile Chemicals:** Chemical attack and swelling are the prime cause of Cam Gasket failure.
- 1 **Wide Temperature Ranges:** From -60°C to +205°C, Teflon® Encapsulated Cam Gaskets withstand the most volatile media.
- 1 **Sanitary Requirements:** FEP/PFA Encapsulated Cam Gaskets meet FDA, Sanitary 3A and USP Class VI requirements and certifications.
- 1 **Compression Set:** A common by-product when utilising solid PTFE/ Rubber Cam Gaskets. FEP/PFA Encapsulated Cam Gaskets prevent premature compression set, due to the protection of the FEP/PFA Teflon® Encapsulation and the retained elasticity of the Silicone or Viton® core.
- 1 **Expensive Perfluorelastomers:** Encapsulated Cam Gaskets provide an economical alternative to expensive Perfluorelastomers, such as Kalrez® and therefore, increase profitability.



Code	Description
050GSK-FEP/SIL	½" Fully encapsulated FEP/Silicone Cam Gasket
075GSK-FEP/SIL	¾" Fully encapsulated FEP/Silicone Cam Gasket
100GSK-FEP/SIL	1" Fully encapsulated FEP/Silicone Cam Gasket
125GSK-FEP/SIL	1 ¼" Fully encapsulated FEP/Silicone Cam Gasket
150GSK-FEP/SIL	1 ½" Fully encapsulated FEP/Silicone Cam Gasket
200GSK-FEP/SIL	2" Fully encapsulated FEP/Silicone Cam Gasket
250GSK-FEP/SIL	2 ½" Fully encapsulated FEP/Silicone Cam Gasket
300GSK-FEP/SIL	3" Fully encapsulated FEP/Silicone Cam Gasket
400GSK-FEP/SIL	4" Fully encapsulated FEP/Silicone Cam Gasket

Encapsulated Viton also available on request.

Benefits

FEP/PFA Encapsulated Cam Gaskets offer far superior performance to solid PTFE Cam Gaskets that routinely suffer from 'Compression Set and Cold-flow'.

Near universal capabilities at a fraction of the cost of more expensive Perfluorelastomer alternatives.

Applications

Encapsulated Cam Gaskets are an inexpensive solution to many critical sealing applications such as:

Mechanical seals, filters, filter driers, autoclaves, cryogenics, valves, compressors, and especially hose couplings such as Camlocks, Kamlok®.

Chemical Reference Chart

Fluid	ALUM	BRASS	S/S	PG	GSK	Fluid	ALUM	BRASS	S/S	PG	GSK	Fluid	ALUM	BRASS	S/S	PG	GSK	
Acetic Acid	X	X	X	E		Fatty Acids			X	X	B	Perchloroethylene			X		V	
Acetic Anhydride	X		X	X	T	Ferric Chloride			X		B	Phosphoric Acid 50 - 85%			X	X	V	
Acetone	X		X	X	E	Ferric Hydroxide			X		V	Photographic Solutions					X	V
Agricultural Lime		X	X	X	B	Ferric Nitrate			X	X	B	Phthalic Anhydride	X	X	X	X	T	
Alcohol-Amyl		X	X	X	B	Ferric Sulphate			X	X	B	Picric Acid			X	X	V	
Alcohol-Butyl	X	X	X	X	B	Formaldehyde 40%	X	X	X	X	T	Plating Solutions					X	E
Alcohol-Ethyl		X	X	X	B	Formic Acid	X	X	X	X	T	Potassium Acetate			X	X	X	E
Alcohol-Isopropyl	X	X	X	X	B	Freon	X	X	X	X	T	Potassium Chloride					X	B
Alcohol-Methyl		X	X	X	B	Fruit Juices			X	X	B	Potassium Cyanide			X	X	B	
Aluminium Chloride				X	B	Gasoline Refined	X	X	X	X	B	Potassium Dichromate	X	X	X	X	B	
Aluminium Fluoride 20%	X	X			B	Gasoline Sour	X	X	X	X	B	Potassium Hydroxide 30%			X	X	X	E
Aluminium Nitrate			X	X	B	Gelatin	X	X	X	X	B	Potassium Nitrate	X	X	X	X	B	
Aluminium Pot. Sulphate	X		X	X	B	Glucose	X	X	X	X	B	Potassium Sulphate	X	X	X	X	B	
Aluminium Sulphate			X	X	B	Glue	X	X	X	X	B	Propylene Glycol	X	X	X	X	B	
Ammonia Solutions	X		X	X	N	Glycerin	X	X	X	X	B	Propylene Oxide			X		T	
Ammonium Chloride Dry				X	B	Glycols			X		B	Salt Water			X	X	X	B
Ammonium Hydroxide	X		X	X	E	Green Liquor			X		V	Shellac	X		X	X	X	B
Ammonium Nitrate	X		X	X	B	Hexane	X	X	X	X	V	Silicone Oil			X	X	B	
Ammonium Phosphate			X	X	B	Hydrobromic Acid			X		V	Silver Nitrate					X	E
Ammonium Sulphate			X	X	B	Hydrochloric Acid			X		V	Soap Solutions			X	X	B	
Aniline	X		X	X	T	Hydrocyanic Acid	X	X	X	X	E	Soda Ash			X	X	B	
Arsenic Acid			X	X	B	Hydrogen Sulphide			X	X	T	Sodium Bicarbonate	X	X	X	X	B	
Asphalt		X	X	X	V	Hydrogen Peroxide			X	X	V	Sodium Bisulphate			X	X	B	
Barium Chloride			X	X	B	Hypochlorous Acid 20%			X		E	Sodium Borate	X	X	X	X	B	
Beer	X	X	X	X	B	Isobutyl Acetate	X	X	X	X	T	Sodium Carbonate			X	X	B	
Benzene/Benzol	X	X	X	X	V	Isopropyl Acetate			X	X	T	Sodium Chloride	X	X	X	X	B	
Benzine	X	X	X	X	B	Jet Fuel	X	X	X	X	V	Sodium Cyanide 10%			X	X	B	
Black Liquor			X	X	E	Kerosene	X	X	X	X	B	Sodium Dichromate 10%			X		T	
Bleach 12.5% Chlorine			X	X	E	Lacquers	X	X	X	X	T	Sodium Hydroxide 40%			X	X	E	
Boric Acid	X		X	X	B	Lactic Acid 20-70%			X	X	V	Sodium Hypochlorite			X		E	
Brine			X	X	B	Lard			X	X	B	Sodium Metaphosphate			X	X	X	B
Bromic Acid			X	X	V	Lead Chloride			X		V	Sodium Nitrate	X		X	X	E	
Butadiene	X	X	X	X	V	Lime Slurry			X	X	B	Sodium Peroxide			X	X	X	E
Butenes	X	X	X	X	V	Lime Sulphur			X	X	B	Sodium Phosphate			X	X	X	B
Butyl Acetate Dry	X	X	X	X	T	Linseed Oil			X	X	B	Sodium Sulphate	X	X	X	X	B	
Cadmium Cyanide			X	X	B	Magnesium Carbonate	X	X	X	X	B	Sodium Sulphide			X	X	B	
Calcium Acetate		X	X	X	E	Magnesium Chloride			X	X	B	Sodium Thiosulphate			X	X	B	
Calcium Bisulphite			X	X	T	Magnesium Hydroxide			X	X	E	Soya Bean Oil			X	X	B	
Calcium Chloride			X	X	B	Magnesium Nitrate	X	X	X	X	B	Stannic Chloride			X	X	B	
Calcium Hydroxide		X	X	X	B	Magnesium Sulphate	X	X	X	X	B	Stannous Chloride 15%			X	X	B	
Calcium Nitrate 40%	X		X	X	B	Mercuric Chloride			X		B	Stearic Acid			X	X	T	
Carbolic Acid (Phenol)			X	X	V	Methynol	X	X	X	X	B	Stoddard Solvent	X	X	X	X	B	
Carbon Disulphide	X	X	X	X	V	Methyl Acetate			X		T	Styrene	X		X		T	
Carbon Tetrachloride			X	X	V	Methylene Chloride			X		T	Sugar Cane Liquor	X	X	X	X	B	
Carbonated Beverages	X	X	X	X	N	Methyl Benzene	X	X	X	X	V	Sulphate Liquors			X	X	B	
Carbonic Acid	X		X	X	B	Methyl Ethyl Ketone	X	X	X	X	E	Sulphite Liquors			X	X	V	
Castor Oil			X	X	B	Milk	X	X	X	X	B	Sulphuric Acid			X		T	
Caustic Potash			X	X	E	Mineral Oil	X	X	X	X	B	Sulphurous Acid			X	X	T	
Caustic Soda			X	X	E	Molasses	X	X	X	X	V	Tannic Acid 10%			X	X	B	
Chloromethane			X	X	V	Muriatic Acid			X		V	Tartaric Acid			X	X	B	
Chromic Acid		X	X	X	T	Naptha	X	X	X	X	V	Toluene	X	X	X	X	T	
Citric Acid		X	X	X	B	Naphthalene	X	X	X	X	V	Tetrachloroethylene			X		V	
Copper Chloride			X	X	B	Naphthenic Acid	X	X	X	X	V	Trichloroethylene			X	X	V	
Copper Sulphate		X	X	X	B	Nikel Chloride			X	X	B	Triethanolamine	X		X	X	T	
Corn Oil		X	X	X	B	Nikel Sulphate			X	X	B	Trisodium Phosphate			X	X	B	
Cottonseed Oil			X	X	B	Nitric Acid			X		T	Urea	X		X	X	T	
Creosote	X	X	X	X	V	Nitrobenzine	X	X	X	X	E	Urine			X		B	
Cyclohexane	X	X	X	X	V	Octane	X	X	X	X	V	Varnish	X		X		B	
Detergents			X	X	B	Oil - Fuel	X	X	X	X	B	Vinegar			X	X	T	
Developer Solution			X	X	B	Oil - Hydraulic	X	X	X	X	B	Water - Mine Acid	X		X	X	B	
Dextrose	X		X	X	B	Oil - Petroleum Refined	X	X	X	X	B	Water - Deionised			X		B	
Diesel Fuels	X	X	X	X	B	Oil - Petroleum Unrefined			X		B	Water - Demineralised			X		B	
Diethylene Glycol	X	X	X	X	B	Oil - Gear	X	X	X	X	V	Water - Distilled	X		X	X	B	
Disodium Phosphate			X	X	B	Oil - Vegetable	X	X	X	X	V	Water - Fresh			X	X	X	B
Ethanolamine	X		X	X	N	Oleic Acid	X	X	X	X	T	Water - Salt	X	X	X	X	B	
Ether	X	X	X	X	T	Oleum			X		T	White Liquor			X	X	E	
Ethyl Acetate			X	X	T	Oxalic Acid	X		X	X	V	Wine			X	X	B	
Ethylene Dichloride		X	X	X	T	Palmitic Acid			X	X	B	Xylene	X	X	X	X	V	
Ethylene Glycol	X	X	X	X	B	Paraffin	X	X	X	X	B	Zinc Chloride			X		B	
												Zinc Nitrate Sulphate	X		X	X	V	

Key to Column Headings

Brass = Brass/GunMetal Alum = Aluminium S/S = Stainless Steel
PG = Polypropylene Gsk = Gasket/Seal

Key to Gasket/Seal Codes

B = Buna E = EPDM N = Neoprene T = Teflon V = Viton

Disclaimer

This is to be used as a guide only and it is the responsibility of the user to ensure the compatibility of the coupling's body and the gasket material suggested in this guide with the application. Please note that due to possible variations in temperature, pressure, concentration and the operating conditions, the user must make sure the product(s) he has chosen will work under the specific application even after initial installation.

Adaptors and Couplers	18 – 20
Swivel-it	21
IBC Vents	21
Drum Adaptors	22
Drum Dispensing System	23 – 24
Ball Valves	25
Connectivity	26



IBC Fittings

IBC Adaptors & Couplers

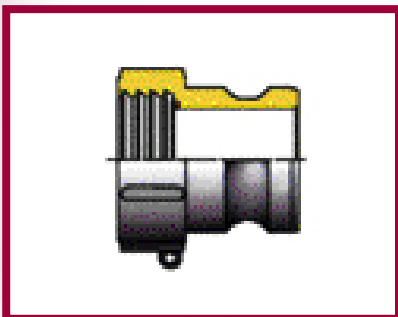
“Purposely designed fittings to ensure ease of use and secure operation on the off-loading of IBCs whose valves often use buttress threads”



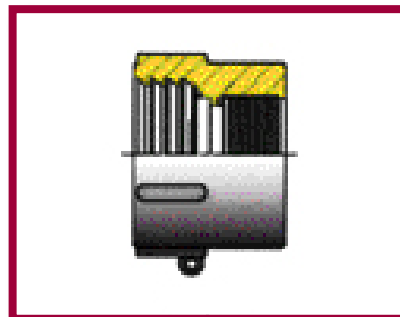
Valves & Fittings for IBCs

Our primary goals are to provide the end user with an off-load system which is quick, secure, easy to maintain, compatible with the vast majority of products transported in IBCs, integrates easily with existing equipment and is cost effective.

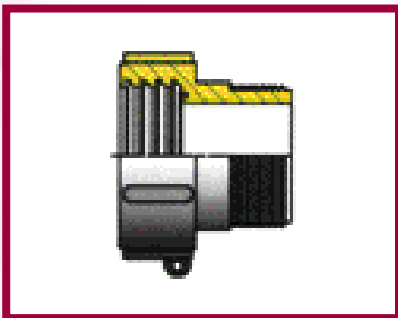
The excellent chemical resistance and light weight of Polypropylene combined with all moving parts made of Stainless Steel makes this off-load system one of the most cost effective solutions.



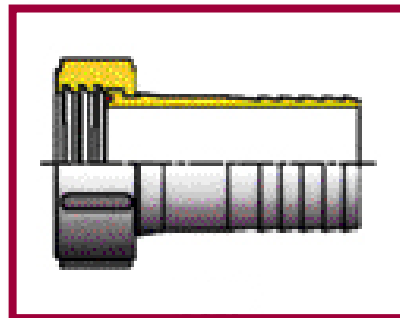
S60x6 Female Buttress Thread to Cam Adaptor.



S60x6 Female Buttress Thread to Female BSPP Thread.



S60x6 Female Buttress Thread to Male BSPP Thread.



S60x6 Female Buttress Thread to Serrated Hose Tail.

Buttress Threads

Rigid composite containers moulded from Polyethylene and in a cage. Intermediate bulk containers or IBCs use the buttress thread as the standard output on the bottle or the valve. This type of buttress thread is based on the German DIN standard DIN 6131:1989.

- 1 Compatible with the vast majority of products transported in IBCs.
- 1 Black or natural, 20% Glass-coupled Polypropylene.
- 1 Excellent chemical resistance.
- 1 Lightweight, cost effective.
- 1 Three common buttress threads S60x6, S100x8 and S92x4.
- 1 Over 30 different adaptors readily available.
- 1 'Step-down' hose inserts.

Applications

By using buttress Female threaded adaptors, you can convert your IBC valve quickly, to either a cam coupling system, threaded ends or direct to a hose of varying size normally in one adaptor.

Camlock Adaptor S60x6

S60x6 Female Buttress



Part A Camlock

100A-DIN-PG
1" Camlock Adaptor x S60x6 Female Buttress

150A-DIN-PG
1½" Camlock Adaptor x S60x6 Female Buttress

200A-DIN-PG
2" Camlock Adaptor x S60x6 Female Buttress



Part D Camlock

200D-DIN-PG
2" Camlock Coupler x S60x6 Female Buttress



Female Thread by Female Thread

IBF/150F-PG
1½" BSP Female x S60x6 Female Buttress

IBF/200F-PG
2" BSP Female x S60x6 Female Buttress

IBF/200FNPS-PG
2" NPS Female x S60x6 Female Buttress



Male Thread by Female Thread

IBF/075M-PG
¾" BSP Male x S60x6 Female Buttress

IBF/100M-PG
1" BSP Male x S60x6 Female Buttress

IBF/150M-PG
1½" BSP Male x S60x6 Female Buttress

IBF/200M-PG
2" BSP Male x S60x6 Female Buttress

IBF/200MNPS-PG
2" NPS Male x S60x6 Female Buttress



Female Thread by Hose Tail

IBF/100HT-PG
S60x6 Female Buttress x 1" (25mm) Hose Tail

IBF/125HT-PG
S60x6 Female Buttress x 1¼" (32mm) Hose Tail

IBF/150HT-PG
S60x6 Female Buttress x 1½" (38mm) Hose Tail

IBF/200HT-PG
S60x6 Female Buttress x 2" (50mm) Hose Tail

S60x6 Male Buttress



Male Thread by Female Thread

IBM/200F-PG
S60x6 Male Buttress x 2" Female BSP

IBM/200FNPS-PG
S60x6 Male Buttress x 2" NPS Female



Male Thread by Male Thread

IBM/200M-PG
2" BSP Male x S60x6 Male Buttress

S60x6 Dust Caps



200AS60IDCNAT-PG
2" Part 'A', 2" Short Camlock Adaptor x S60x6 Female Buttress, c/w Internal Dust Plug and Seal

IBC Fittings

IBC Adaptors & Couplers

Camlock Adaptor (S92x4)



Part A Camlock

300AS92-PG
3" Camlock Adaptor x S92x4
Female Buttress



Male Thread by Female Thread

IBF92/300M-PG
3" BSP Male x S92x4 Female
Buttress

IBF92/M60-PG
S60x6 Male Buttress x S92x4
Female Buttress



Dust Cap

IBDC-PG
S60x6 Dust Cap



Gasket

FLAT200SANT
2" Flat Santoprene S60x6 Gasket

Camlock Adaptor (S100x8)



Part A Camlock

300A-DIN-PG
3" Camlock Adaptor x S100x8
Female Buttress



Male Thread by Female Thread

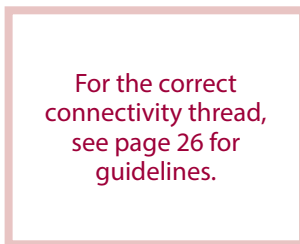
IBF100/M300-PG
3" BSP Male x S100x8 Female
Buttress

IBF100/M60-PG
S60x6 Male Buttress x S100x8
Female Buttress



Dust Cap

IBDC100-PG
S100x8 Female Buttress x Dust Cap



Camlock Coupler Hose Tail



200C100-PG
S60x6 Female Coupler x 1" (25mm)
Hose Tail

200C125-PG
S60x6 Female Coupler x 1 1/4" (32mm)
Hose Tail

200C150-PG
S60x6 Female Coupler x 1 1/2" (38mm)
Hose Tail

C200-PG
S60x6 Female Coupler x 2" (50mm)
Hose Tail



Dust Cap

IBDCSCHUTZ-PG
2" Dust Cap for Schutz Camlock



Gasket

FLAT200ETH
2" Flat Ethylene S60x6 Gasket

IBC Swivel-it

Female Swivelling Thread by Female Thread

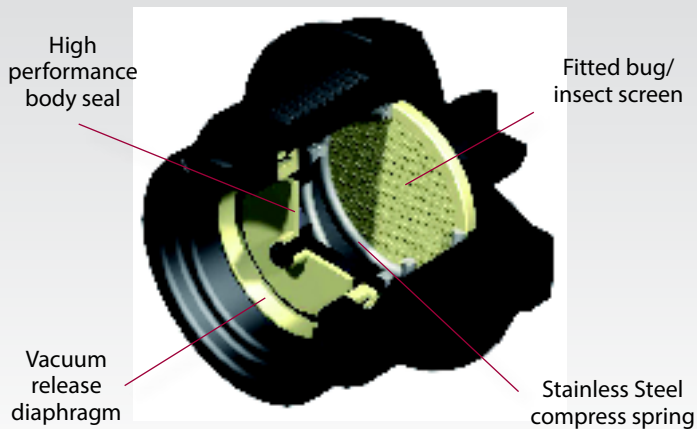


The unique IBC 'Swivel-it' resolves the issue of a one piece Female to Female thread socket, where connections are difficult to screw and connect in any direction.

Code	Description
IBF/075FSWIV-PG	S60x6 Female Swivel x 3/4" Female BSP
IBF/100FSWIV-PG	S60x6 Female Swivel x 1" Female BSP
IBF/125FSWIV-PG	S60x6 Female Swivel x 1 1/4" Female BSP
IBF/150FSWIV-PG	S60x6 Female Swivel x 1 1/2" Female BSP
IBF/200FSWIV-PG	S60x6 Female Swivel x 2" Female BSP

IBC Vents

Cross section description



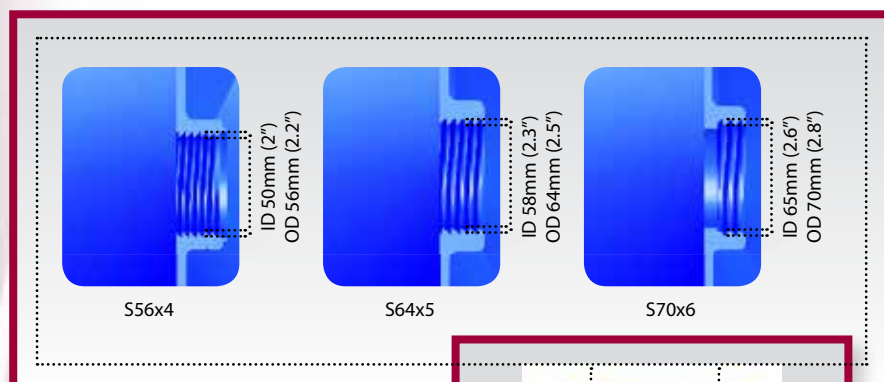
2" Male Threaded Vent

This Pressure and Vent product will protect your container and valuable commodity without the need to remove the top. Moulded in Glass-coupled Polypropylene with Stainless Steel springs, gives excellent chemical resistance.

Drum Adaptors

Male Thread by Female Thread

Adaptors for imported and domestic Plastic drums to ensure you can always make a connection. Moulded in Food Grade Glass-coupled Polypropylene with gaskets as standard.



Code	Description
IBD/56x4-200-PG	S56x4 Male Drum Thread x 2" Female BSP
IBD/56x4-075-PG	S56x4 Male Drum Thread x ¾" Female BSP
IBD/64x5-200-PG	S64x5 Male Drum Thread x 2" Female BSP
IBD/64x5-075-PG	S64x5 Male Drum Thread x ¾" Female BSP
IBD/70x6-200-PG	S70x6 Male Drum Thread x 2" Female BSP
IBD/70x6-075-PG	S70x6 Male Drum Thread x ¾" Female BSP

Drum Dispensing System



DrumQuik®



“DrumQuik® Dispensing Systems for Safer Chemical Management”

The DrumQuik® PRO & DrumQuik® PUR dispensing systems are used with common pumps to create a closed transfer system for both general and high purity chemicals. These easy to use products meet the strict safety requirements of chemical handling applications, as well as the demands of harsh operating environments. DrumQuik® dispensing systems minimise chemical exposure and facilitate the delivery of chemicals from bulk transfer containers to end use applications.

For general chemical dispensing DrumQuik® PRO offers a rugged and cost effective solution. DrumQuik® PUR is a 100% metal free cleanroom packaged PVDF product, designed specifically for applications demanding the highest levels of purity. All materials are compliant with FDA standards for food and consumable applications.

Whether you are dispensing edible oils, condiments, detergents, diesel exhaust fluids or industrial chemicals, acids, caustic or solvents, DrumQuik® PRO and the high purity DrumQuik® PUR can make your process cleaner, faster, safer and smarter, and can:

- 1 Provide the critical connection between your chemical container and the end use process.
- 1 Create a closed transfer system to protect employees and maintain a cleaner work environment.

DrumQuik® solutions are available for a variety of container types, providing interchangeable, re-useable connections for:

- 1 Plastic or Steel Drums
- 1 Chemical Packs
- 1 IBC or Totes



Specification

Pressure

Uncoupled: Vacuum to 45 PSIG (3.1 bar)

Coupled: Vacuum to drum rating

Temperature

Drum Insert: -29°C to 49°C

Coupler – HDPE: 0°C to 49°C

Coupler – PVDF: -18°C to 49°C

Materials

Drum Insert and Dip Tube:
Virgin Polyethylene (HDPE)

Shipping Plug: Virgin Polyethylene (HDPE)

DrumQuik® PRO Coupler:
Virgin Polyethylene (HDPE)

DrumQuik® PUR Coupler: Virgin PVDF

Coupler Spring: 316 Stainless Steel

Coupler Seal: EPDM

Bung Seal: Polyolefin

Shipping Plug Seal: EPDM

IBC Fittings

Drum Dispensing System



DrumQuik® PRO

Features and Benefits

- 1 Quick connect/disconnect — Allows faster drum changes
- 1 Automatic shut-off valve — Stops flow when disconnected
- 1 Disposable drum insert — Reduces messy handling and chemical exposure
- 1 Ported vent system — Allows make-up air into drum or connection of blanket gas
- 1 Multiple standard thread sizes — Can be used with many common Steel and Plastic containers

DrumQuik® PUR

Features and Benefits

- 1 Quick connect/disconnect — Allows faster drum changes
- 1 All Plastic construction — No metallic corrosion/contamination
- 1 Automatic shut-off valve — Stops flow when disconnected
- 1 Cleanroom manufactured — Assures high level of purity
- 1 Disposable drum insert — Minimises chemical exposure and contamination

Easy installation and dispensing



1. Fully press dip-tube into drum insert socket.



2. Place the drum insert assembly in drum.



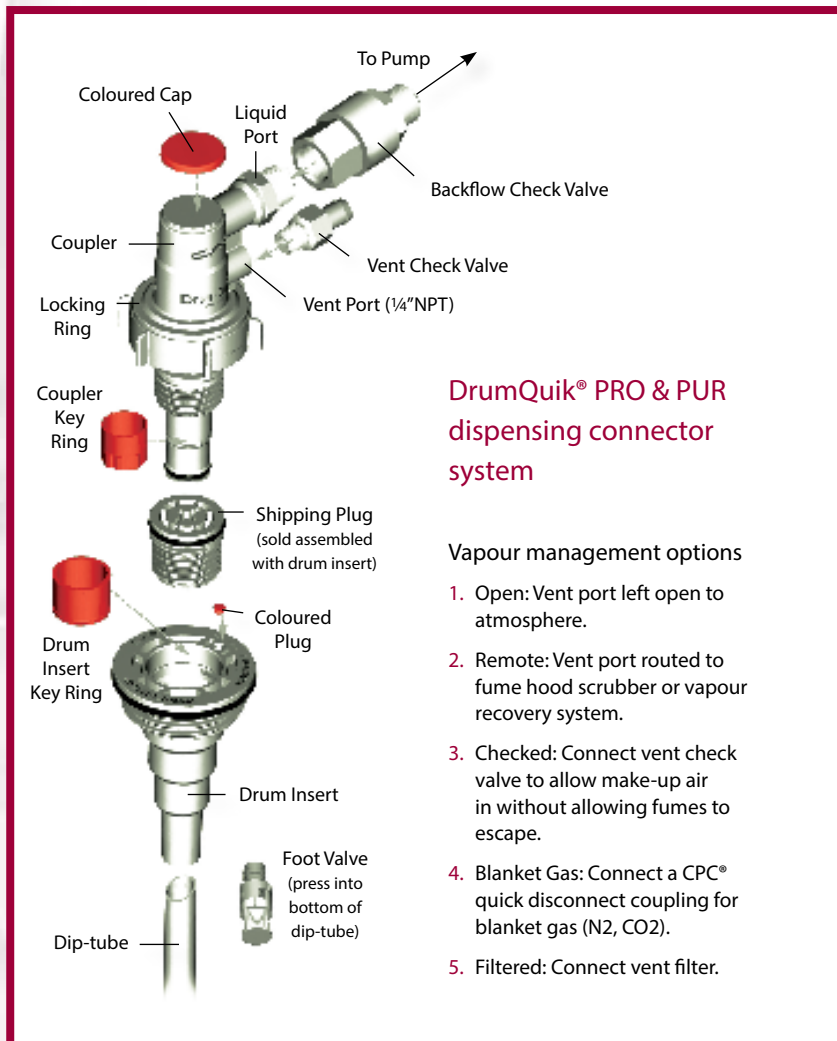
3. Turn shipping plug anti-clockwise to remove. (Use a large flat blade or a Phillips screwdriver.)



4. Insert coupler into drum assembly.



5. Turn the coupler locking ring clockwise until stop is reached (approximately 2 full turns), valve is opened during this process.



DrumQuik® PRO & PUR dispensing connector system

Vapour management options

1. Open: Vent port left open to atmosphere.
2. Remote: Vent port routed to fume hood scrubber or vapour recovery system.
3. Checked: Connect vent check valve to allow make-up air in without allowing fumes to escape.
4. Blanket Gas: Connect a CPC® quick disconnect coupling for blanket gas (N₂, CO₂).
5. Filtered: Connect vent filter.



Ball Valves

2" & 3" IBC Valve

Apart from the couplings and fittings for IBCs, we also supply to special order 2" (50mm) and 3" (75mm) full flow ball valves.

Main features of the valve - unique swivelling back nut inside union which allows: vertical or any orientation, fitted without turning valve body, left in closed position during fitting. Handle locking pin with position for using standard security seals. Range of outlets i.e. cam adaptor, buttress, pipe threads etc. They can be fitted onto container before being dropped into cage.

All plastic construction, no metal locking nut for ultimate chemical protection.

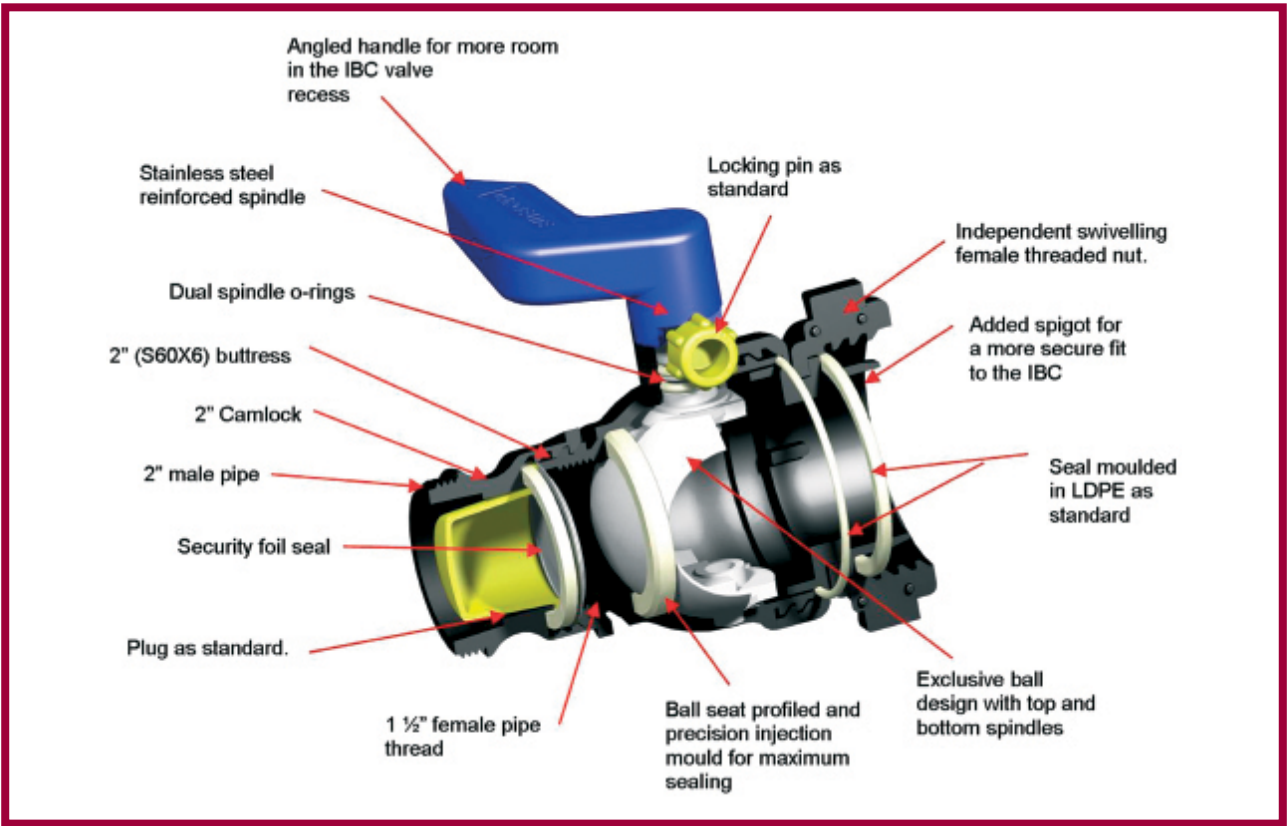
2" IBC Ball Valve, S60x6
Female Buttress Inlet x S60 x 6
Male outlet c/w Dust Cap, Black G/P/P

2" IBC Ball Valve, S75x6
Female Buttress Inlet x S60 x 6
Male outlet c/w Dust Cap, Black G/P/P

2" IBC Ball Valve, S80x6
Female Buttress Inlet x S60 x 6
Male outlet c/w Dust Cap, Black G/P/P

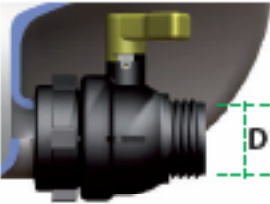
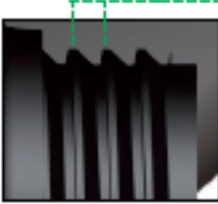
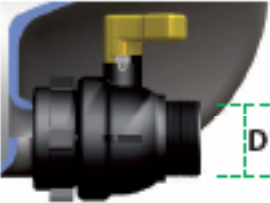
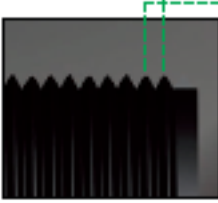

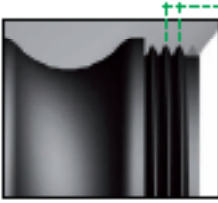
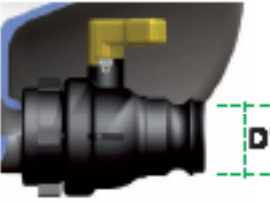
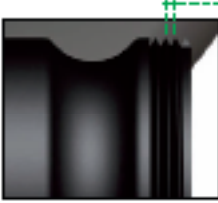



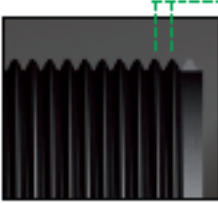

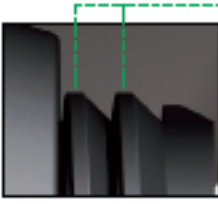

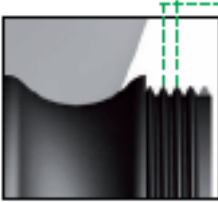
3" IBC Ball Valve, S100x8
Female Buttress Inlet x S100 x 8
Male outlet c/w Dust Cap, Black G/P/P

Nominal Size ins	Female Size		Ball Valve Code
	Male	Inlet	
2	S60x6	S60x6 Female	BV200-BU200MSU-P
2	S60x6	S75x6 Female	BV200-75200S60-P
2	S60x6	S80x6 Female	BV200-806M606-PG
3	S100x8	S100x8 Female	BV300-BU300MSU-P



IBC Fittings

Connectivity

IBC Fitting	Thread	Description
		<p>Name: S6066 (2") male buttress</p> <p>D1: 60mm (2.36")</p> <p>P1: 6mm (0.24")</p> <p>Standard: DIN 6131 (schütz do not us this specification)</p> <p>Note: Most common thread found on European IBC's</p>
		<p>Name: 2" NPS male</p> <p>D1: 59.6mm (2.35")</p> <p>P1: 2.21mm (0.09" - 11.5 TPI)</p> <p>Standard: ANSI B1.20.1-1983</p> <p>Note: American National Standard Straight Pipe Thread</p>
		<p>Name: 2" Camlock male with 2" BSP</p> <p>D1: 63mm (2.48") (59.4mm (2.34") thread)</p> <p>P1: 2.3mm (0.09" 11 TPI)</p> <p>Standard: Camlock- A-A-59326 : 1992 Thread - BS 2779 : 1986</p> <p>Note: Camlock male adaptor with added external thread for cheap and compact dust cap</p>
		<p>Name: 2" Camlock male with 2 1/4" BSP</p> <p>D1: 63mm (2.48") (62.7mm (2.47") thread)</p> <p>P1: 2.3mm (0.09" 11 TPI)</p> <p>Standard: Camlock- A-A-59326 : 1992 Thread - N/A</p> <p>Note: Camlock male adaptor with added external over sized thread for cheap and compact dust cap and added seal area for connecting a female Camlock.</p>
		<p>Name: 2" Camlock male adaptor</p> <p>D1: 63mm (2.48")</p> <p>P1: N/A</p> <p>Standard: Camlock- A-A-59326 : 1992</p> <p>Note: 2" Camlock male adaptor fitted to an IBC</p>
		<p>Name: M8063 male thread</p> <p>D1: 80mm (3.15")</p> <p>P1: 3mm (0.12")</p> <p>Standard: ISO 68 (ANSI B1.13M)</p> <p>Note: A 80mm (3.15") metric thread found mainly on the Chinese Kingtiger IBC</p>
		<p>Name: 5106306 (3") male buttress</p> <p>D1: 97-100mm (3.82" - 3.94")</p> <p>P1: 8mm (0.32")</p> <p>Standard: N/A</p> <p>Note: Found on a lot of 3" outlet IBC's, short length and a large thread depth</p>
		<p>Name: 3" Camlock with 3" BSP</p> <p>D1: 91.5mm (3.6") (87.7mm (3.45") thread)</p> <p>P1: 2.3mm (0.09" 11 TPI)</p> <p>Standard: Camlock- A-A-59326 : 1992 Thread - BS 2779 : 1986</p> <p>Note: Camlock male adaptor with added external thread for cheap and compact dust cap</p>

Quick Disconnects – Dry Breaks

Introduction	28 – 30
Dry Link	31 – 40
Snap-Tite	41 – 48
Colder Products Company®	49 – 60
CleanBreak	61 – 65
Fulcrum UK	66 – 68
Banjo Dry-Mate	69 – 70
RS DryDis	71
Maxi-Dry	72



Quick Disconnects – Dry Breaks

Deciding Which Coupling to Use

What is Important?

Dry disconnect couplings are designed to prevent the loss of product when disconnecting hose lines and protecting the operator and the environment. Consideration of the following points will assist in making the best choice of couplings for your application:

Valve Type

Poppet, ball or butterfly. This is often a matter of personal preference but will also affect the performance of the coupling in terms of flow rate and spillage.

Acceptable Level of Spillage

Prevention of spillage on disconnection is the main reason for using dry disconnect couplings, but the acceptable level will vary greatly according to the application and environment. The couplings in this brochure offer a choice according to how critical this factor is.

Pressure Drop

Flow rate will vary greatly from one coupling type to another – indeed the pressure drop on a 2" Butterfly type is hardly greater than on a 3" poppet valve type.

Interchangeability

Are there already couplings in use with which the couplings must interchange? Conversely, it may be important that the new couplings will not mate with existing fittings on site.

Method of Operation/Ease of Use

The position of connection or the familiarity of the operative with the design may make one type of coupling more suitable on a particular site.

Weight and Size

Weight will be important to the operator when moving the hose according to the frequency of connection, while size may be critical e.g. when the coupling must fit within the envelope of an IBC (intermediate bulk container).

Temperature/Pressure/Media/Nominal Bore

The chosen coupling must be available in the required size and pressure rating with materials compatible with the media, temperature and environment.

Safety for the Operative and the Environment

Apart from the level of spillage, prevention of accidental disconnection should be considered. This can be achieved with a mechanical interlock so that disconnection is only possible when the valve is closed.

Avoidance of Cross Contamination

Accidental connection of the wrong hose line can have serious consequences. Mechanical "keying" of the coupling – or the fitting of sensors – is an option in order to prevent this.

Potential for Abuse

Some couplings are more robust than others. For instance, Polypropylene is light and gives excellent resistance to aggressive chemicals but it may not be suitable in applications where the hose line is frequently thrown about.

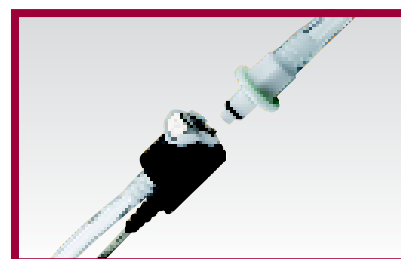
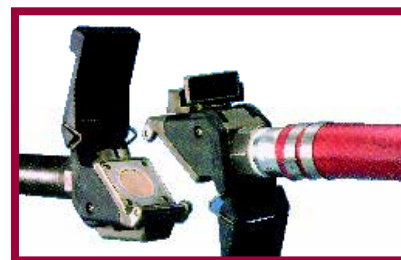
Maintenance

Unfortunately, mechanical seals and other components do not last forever. On some couplings e.g. Dry Link, the main seals can be changed in situ, whereas other couplings may need to be returned to the workshop for repair with consequent downtime.

Cost

Oh yes, the cost! Apart from the cost of different materials, generally the coupling cost will be inversely proportional to the amount of spillage on disconnection. Put simply, the more critical the application is in terms of loss of product and protection of the operator and the environment, the more expensive the coupling!

This list is not exhaustive – experience has shown that every new application brings different factors to bear in the best choice of dry disconnect couplings. We would be happy to discuss your specific requirements with you in order to provide further appropriate details and guidance with your selection.



Know Your Application

Copy this page and use it as a checklist

At any stage of this process please call us for any help or further information.

To make the best choice of coupling, you need to know your application by way of the following four primary areas:

- 1 The media (and any different states it may have when flowing through the coupling)
- 1 Size requirements (relating to nominal bore sizes of related pipe systems or the surroundings)
- 1 Operating conditions (for the coupling and its environment)
- 1 Coupling functionality (by way of type of valving, allowable spillage, interchangeability or other needs)







The following table expands on these four categories and can work as a checklist to enable you to make the correct choice.

What You Need to Know	This Will Help You Decide	Your Notes
Media		
Identify what will flow through the coupling set and associated piping. Determine for any state it may be in what compatibility requirements exist for the coupling body, seals and any other 'wetted' surfaces.	The material of manufacture for the coupling body, seals etc.	
Size		
Determine what nominal pipe size your coupling will be connected to. Do any overall physical size constraints exist for operation or maintenance?	The coupling nominal bore & end fitting size.	
Operating Conditions		
<ul style="list-style-type: none"> 1 Temperature range of media 1 Maximum working pressure requirements 1 Flow rate required 1 Maximum allowable pressure drop 1 Acceptable spillage (usually measured in cc's) 1 Any other special requirements, (e.g. vibration, prevention of cross connection, corrosive atmosphere). 	In conjunction with the media and size information above, this information will focus more towards the coupling body and seal material compatibility.	
Functionality		
How do you need the coupling to seal when it is disconnected? Choose the option for single or double shut-off to suit the amount of acceptable spillage. Also remember to consider any interchangeability with any existing fitting.	The valving design you need.	

Once you have all the information, go to Page 30 to see which coupling will best suit your application.

Quick Disconnects – Dry Breaks

Product Index

						
	Dry Link	Snap-Tite	CleanBreak	Dry-Mate	DryDis	CPC®
Type						
Pressure Drop	Some	Some	Some	Some	Some	Some
Spillage	None	Some	None	Some	None	None
Thread size						
1/8" (DN3.2)		1				1
1/4" (DN6.4)		1				1
3/8" (DN9.5)		1				1
1/2" (DN13)	1	1				1
3/4" (DN19)	1	1				1
1" (DN25)	1	1	1	1	1	
1 1/2" (DN38)	1	1	1	1	1	
2" (DN50)	1	1	1	1	1	
3" (DN75)	1		1		1	
4" (DN100)	1		1		1	
Material						
Aluminium		1	1			
Brass		1	1			1
Steel		1				
Stainless Steel	1	1	1	1	1	
Polypropylene				1		1
Hastelloy	1		1			
Acetal						1
Polysulfone						1
Seals						
Buna		1	1		1	1
EPDM	1	1	1			1
PTFE	1				1	
Viton	1	1	1	1	1	
Kalrez/Chemraz	1	1	1	1	1	
Valve Style						
Ball				1		
Butterfly	1					
Poppet		1				1
Dry Break	1	1	1	1	1	1
Refer to pages:	31-40	41-48	61-65	69-70	71	49-60

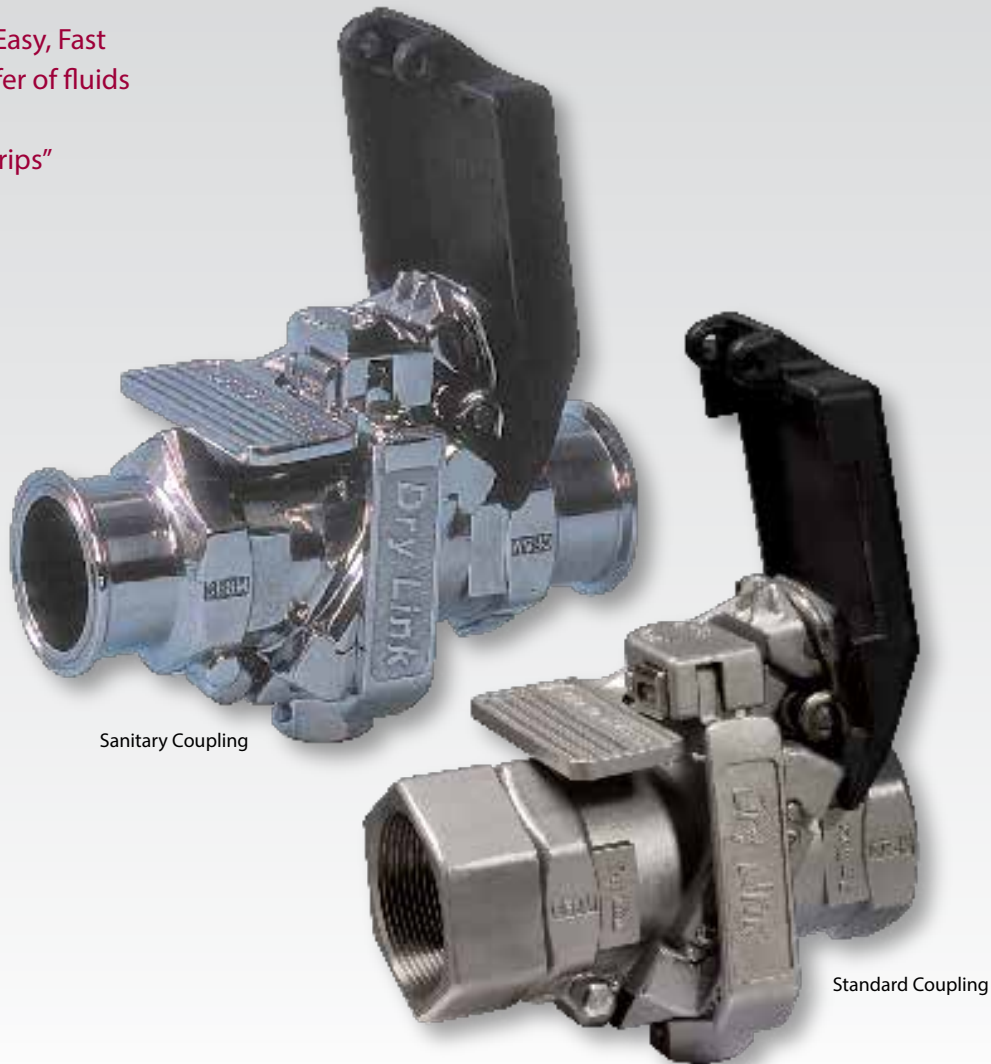
Quick Disconnects – Dry Breaks



Dry Link Dry Disconnect Couplings

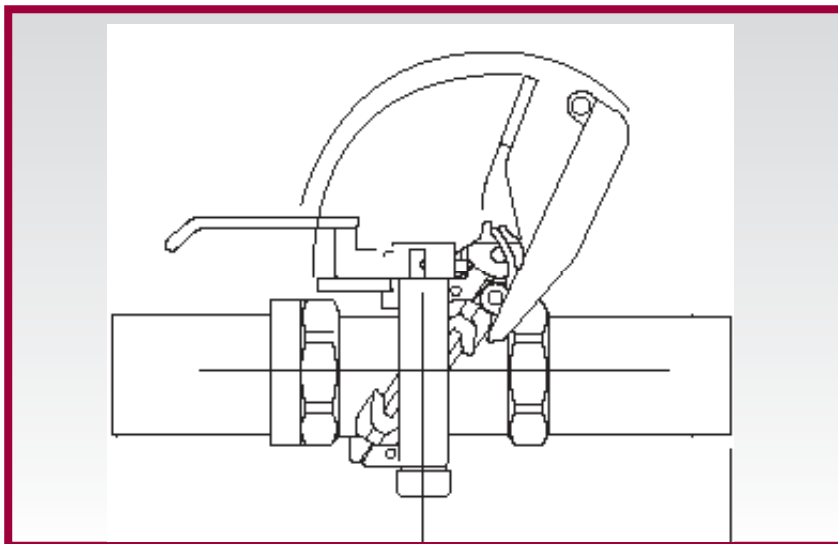
Safe, Easy, Fast
Transfer of fluids

“No drips”



Sanitary Coupling

Standard Coupling



Quick Disconnects – Dry Breaks



Dry Link Dry Disconnect Couplings

“Protects both the environment and employees while conserving every drop of your precious commodity”



High flow through open valve

No Drips

- 1 Protect environment and employees
- 1 Minimize exposure to fluids
- 1 Eliminate costly clean up

No Spills

- 1 Secure flow shut-off
- 1 Flow stopped and components sealed before coupling can be separated
- 1 Interlock prevents accidental opening
- 1 Helps meet EPA standards

Better Flow

- 1 Smooth bore
- 1 Simple configuration
- 1 Low pressure drop
- 1 Ideal for higher viscosity fluids

Smaller and Lighter

- 1 Compact and lightweight
- 1 Easy to manoeuvre
- 1 Fits in tight spaces
- 1 Yet still drip free and high flow

Traceability

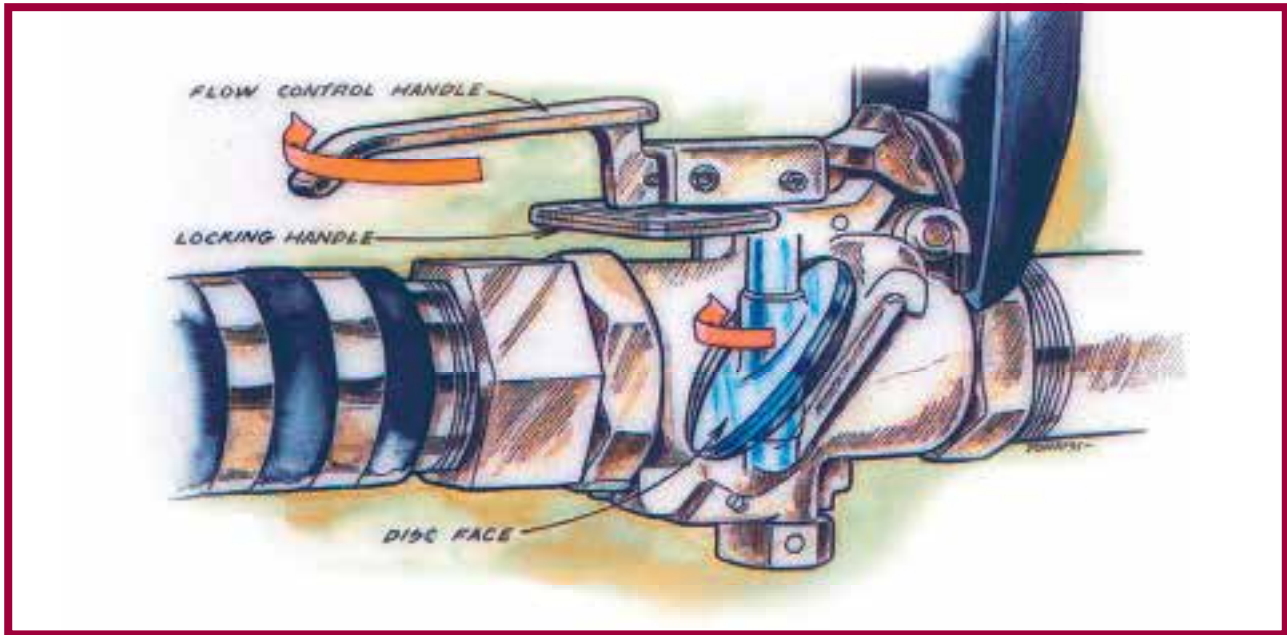
All couplings are individually numbered for identification and traceability.



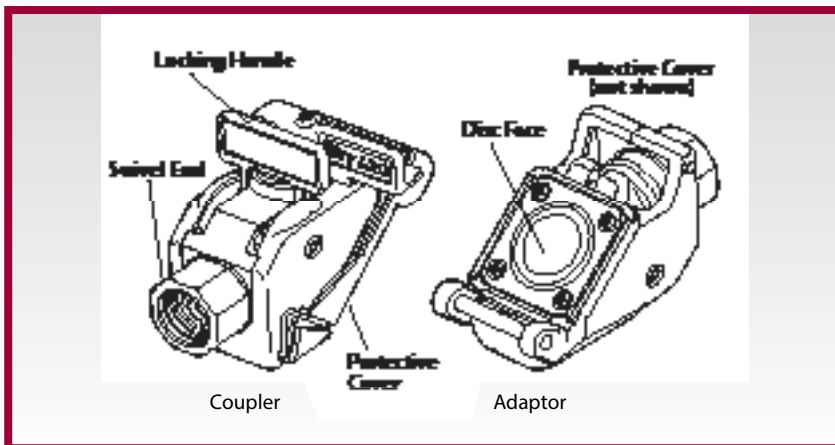
Quick Disconnects – Dry Breaks



“No drips, no spills”



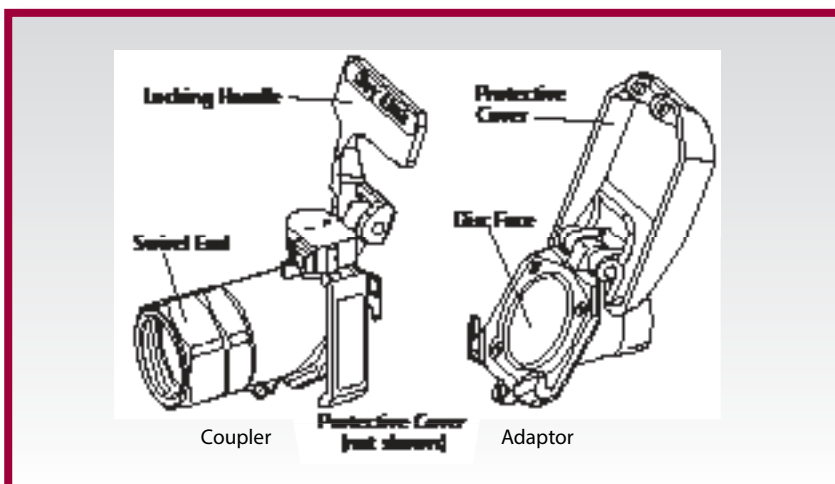
Facing discs in the coupler and adaptor connect the assembly. The discs swivel to open and close, keeping their faces totally dry.



Dry Link couplings trap fluids before they drip onto the floor or ground. Even small drips can pollute or be dangerous or expensive. Disconnected Dry Link couplings are completely drip free.

The flow shut-off mechanism resembles a butterfly valve with very low flow restriction. This design enhances flow while also reducing the risk of internal gunk-ups that can lead to connection malfunctions. A safety interlock prevents accidental opening, and a unique sealing arrangement results in the world's most drip-free dry disconnect.

Smaller sizes



Larger sizes

Quick Disconnects – Dry Breaks

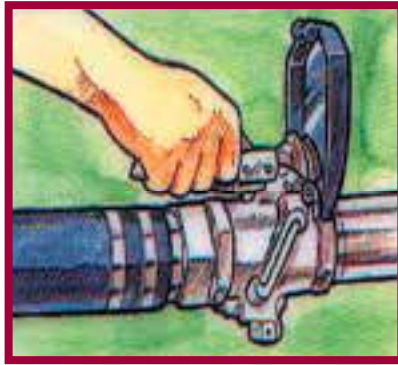


Dry Link Dry Disconnect Couplings

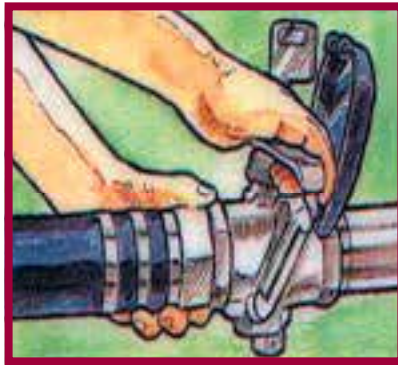
“No-hassle operation”

- 1 Built-in swivel end in coupler for easy hose alignment.
- 1 Up to 50% lighter than comparable dry disconnect couplings.
- 1 Easy maintenance. Accessible parts.

Coupling disconnects totally dry, with no drips.



Turn flow control handle



Press release and lift locking handle



Remove coupler

Dry Link is the premier manufacturer of dry-disconnect hose couplings for the chemical, petrochemical, pharmaceutical, biotechnology, and food industries. Ideal for hazardous, high viscosity, high-flow, and hygienic applications.

Dry Link's patented couplings are up to 50% lighter and more compact than comparable dry-disconnect couplings. Plus, Dry Link couplings use fewer internal components for maximum flow.

Couplings are available in five sizes, three body materials, four seal materials, and five end connections. We also offer sanitary and keyed couplings.

We understand that the modern world depends on substances that could cause harm if they are not stored or handled properly.

The only true drip-free coupling on the market. Offers a greater protection to workers, eliminates costly clean-ups, and helps you meet EPA standards. Dry Link couplings also help reduce green house gases.

Action-Sealtite are Dry Link's only authorised European distributor. Dry Link is the worldwide industry leader in dry-disconnect products. We place a high value on listening to our customers and building strong and lasting relationships. We are committed to superior service and quality. Our innovative products and attention to custom orders have earned us a leadership position in this business. We aim for a safer workplace and a cleaner world.

Quick Disconnects – Dry Breaks



Dry Link dry-disconnect couplings (also called "dry-break couplings") can be used anywhere a hose is used to transfer fluids, especially where the fluids are

Standard Couplings

Standard Dry Link couplings consist of a coupler that can be attached to a hose and an adaptor that can be fixed to a tank, manifold, pipe, or other equipment. An automatic interlocking mechanism shuts off both the coupler

hazardous, toxic, corrosive or flammable. This includes bulk fluid transfer applications such as tank trucks, railway wagons, and portable tank containers.

and the adaptor when the coupling is disconnected.

Standard couplings are available in several sizes, end connections and seal materials.



Sanitary Couplings

Dry Link sanitary polished couplings in ½" to 4" sizes are the only true sanitary, high purity, drip-free couplings available today because of their simple butterfly design. The smooth mirror-polished bore has no voids, dead spaces, crevices or fillers that could trap bacteria. Easily drainable and sanitised using steam or other methods, such as CIP, SIP etc, our sanitary couplings are routinely specified in pharmaceutical, biotech, semi-

conductor, food and cosmetic industries, where ultra cleanliness is required.

Dry Link sanitary couplings are usually specified with wetted internal components polished to 20RA micro-inch mirror finish, although we also offer unpolished internals at economy prices. Wide choice of sizes, body and seal materials and end connections with full material test certifications. (MTR), FDA and USP certifications are available.

Housing Material

All wetted parts of standard and sanitary couplings are Type 316 Stainless Steel. For services where severe corrosives are a concern, Dry Link couplings are also available with Alloy 20 (Carpenter 20) or Hastelloy C wetted parts construction.

Dry Link dry-disconnect couplings (also called 'dry-break couplings') can be used anywhere a hose is used to transfer fluids, especially where the fluids are hazardous, toxic, corrosive or flammable. This includes bulk fluid transfer applications such as tank trucks, railway wagons, and portable tank containers.



Keyed Couplings

Keyed couplings are used in batch process plants and manifolds for preventing accidental cross-contamination of fluids. A mechanical interlock allows only a matching coupler and adaptor to be connected.

Quick Disconnects – Dry Breaks



Dry Link Dry Disconnect Couplings

Selection Guide

Housing Material	Size, inch (DN)							Housing Style		
	½(15)	¾(20)	1(25)	1.5(40)	2(50)	3(80)	4(100)	Standard	Keyed	Sanitary
Stainless Steel 316	1	1	1	1	1	1	1	1	1	1
Alloy 20 (Carpenter 20)					1	1		1	1	
Hastelloy C			1	1	1			1	1	1

Seal Material	Size, inch (DN)							Housing Style		
	½(15)	¾(20)	1(25)	1.5(40)	2(50)	3(80)	4(100)	Standard	Keyed	Sanitary
Fluoroelastomer (FKM, Viton®)	1	1	1	1	1	1	1	1	1	1
EPDM	1	1	1	1	1	1	1	1	1	1
PTFE (Teflon®)	1	1	1	1	1	1	1	1	1	1
Perfluoroelastomer (FFKM, Chemraz®, Kalrez®)	1	1	1	1	1	1	1	1	1	1

End Connection	Size, inch (DN)							Housing Style		
	½(15)	¾(20)	1(25)	1.5(40)	2(50)	3(80)	4(100)	Standard	Keyed	Sanitary
Female threaded (NPT or BSPP)	1	1	1	1	1	1	1	1	1	1
Butt weld	1	1	1	1	1	1	1	1	1	1
Flanged	1	1	1	1	1	1	1	1	1	1
Triclover*	1	1	1	1	1	1	1	1	1	1

* Triclover end connections are normally made to US standard. By special request, they may be made to DIN standard.



Maximum Working Pressure

Nominal size	STAINLESS 316 and ALLOY 20	HASTELLOY C
1/2" (DN 15), 3/4" (DN 20), 1" (DN 25)	210 PSI (14.3 bar)	210 PSI (14.3 bar)
1 1/2" (DN 40)	210 PSI (14.3 bar)	210 PSI (14.3 bar)
2" (DN 50)	150 PSI (10.3 bar)	210 PSI (14.3 bar)
3" & 4" (DN 80 & DN 100)	120 PSI (8.3 bar)	Not applicable

For one time field test only, the maximum joint working pressure may be increased to 1 1/2 times the figures shown.

Bending Moments (Coupled Assembly)

Maximum 200 ft-lb. (271 n·m) at the swivel

Vacuum

Tested to 28" (711 mm) Hg vacuum in all positions without leakage.

Operating Temperature Range

Fluoroelastomer (Viton®) or EPDM seals	-20° to +230°F (-29° to +110°C)
PTFE seals	+20°F to +230° F (-7° to +110°C)

Contact Action-Sealtite for higher or lower temperature limit requirements.

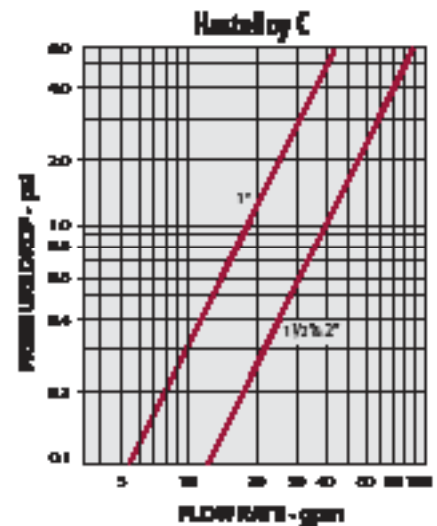
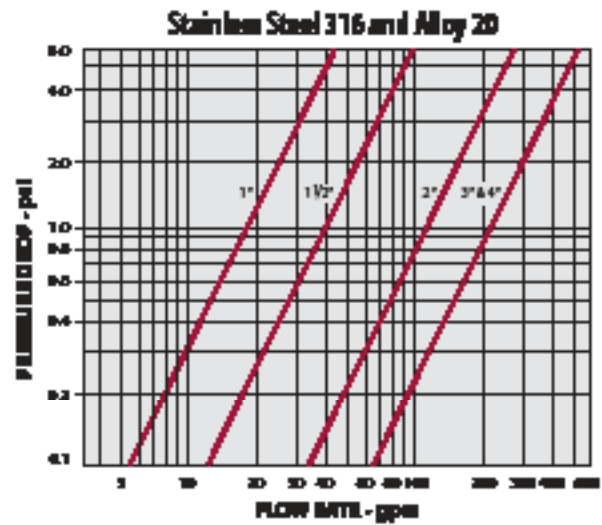
Wetted Metal Parts

Standard	All 316 Stainless Steel ASTM A351, Grade CF8M
Optional	Alloy 20 ASTM A351, Grade CN7M
Optional	Hastelloy C ASTM A494, Grade CW2M

Disc is Electroless Nickel Plated to reduce galling.

Seals

Fluoroelastomer (FKM, Viton®)	Typically used for oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, or organic liquids.
EPDM	Typically used with dilute acids, ketones, or alcohol.
PTFE	Typically used with most chemicals and solvents.
Perfluoroelastomer (FFKM/Chemraz®/Kalrez®)	Typically used for higher temperatures and for fluids that have suspended grit.



Quick Disconnects – Dry Breaks



Dry Link Dry Disconnect Couplings

How to Order

Please order by specifying component, size, housing material, main seal material, end connection, and any special requirements.

Component	Size	Housing Material	Main Seal Material	End Connection	Special Requirements	
Coupler (Style 250)	½ inch (DN 15)	SS 316	Fluoroelastomer (FKM, Viton®)	NPT (Female)	Sanitary with 20 RA polished internals	
	¾ inch (DN 20)	Alloy 20	EPDM	BSPP (Female)	FDA or USP approved seals	
	1 inch (DN 25)	Hastelloy C	PTFE	Butt weld*	Keyed couplings	
	1 ½ inch (DN 40)		Perfluoroelastomer (FFKM/Chemraz®/ Kalrez®)	Flanged** (ANSI Class 150)	Certification documentation	
	2 inch (DN 50)		Triclover***			Remote indication
	3 inch (DN 80)					
	4 inch (DN 100)					
Adaptor (Style 260)	½ inch (DN 15)	SS 316	Fluoroelastomer (FFKM, Viton®)	NPT (Female)	Sanitary with 20 RA polished internals	
	¾ inch (DN 20)	Alloy 20	EPDM	BSPP (Female)	FDA or USP approved seals	
	1 inch (DN 25)	Hastelloy C	PTFE	Butt weld*	Keyed couplings	
	1 ½ inch (DN 40)		Perfluoroelastomer (FFKM/Chemraz®/ Kalrez®)	Flanged** (ANSI Class 150)	Optional built-in swivel on adaptor	
	2 inch (DN 50)		Triclover***			Certification documentation
	3 inch (DN 80)					
	4 inch (DN 100)					
Repair Parts	Please refer to maintenance manuals for ordering parts.					

*Schedule 40 construction **Metric (DN) flanges also available by special order. ***Also available in sizes ½ and ¾ inches.

Certification Documentation

All our couplings are individually and rigorously tested for leaks before being released for sale. In addition, we can provide certification documentation for our couplings.

- 1 Material test certification (heat lot codes with chemical and physical properties)
- 1 Seal material certification (FDA and

USP certifications)

- 1 Certificates of conformance
- 1 Production test certificates (pressure test certificates)
- 1 Certified drawings

Quick Disconnects – Dry Breaks



Product Guidance Chart

Dry Link Couplings are available in a variety of standard and special features as shown below.

Type	Size	Body Material	Main Seal Material	End Connection	Special Features
Coupler (Style 250)	½" (DIN 15)	SS 316	Fluoroelastomer (FKM, Viton®) EPDM PTFE Perfluoroelastomer (FFKM/Chemraz®/ Kalrez®)	BSP (Female) NPT (Female) Butt weld Flanged (ANSI Class 150) Triclover	Sanitary with 20 RA polished internals FDA approved seals Keyed couplings As specified by customer
	¾" (DIN 20)				
	1" (DIN 25)	Hastelloy C			
	1 ½" (DIN 40)				
	2" (DIN 50)				
	3" (DIN 75)				
	4" (DIN 100)				
Adaptor (Style 260)	½" (DIN 15)	SS 316	Fluoroelastomer (FFKM, Viton®) EPDM PTFE Perfluoroelastomer (FFKM/Chemraz®/ Kalrez®)	BSP (Female) NPT (Female) Butt weld Flanged (ANSI Class 150) Triclover	Sanitary with 20 RA polished internals FDA approved seals Keyed couplings Safety pressure cap with back-up seal Staging accessory for vertical loading As specified by customer
	¾" (DIN 20)				
	1" (DIN 25)	Hastelloy C			
	1 ½" (DIN 40)				
	2" (DIN 50)				
	3" (DIN 75)				
	4" (DIN 100)				

Coupler and Adaptors

Nominal Size Seal Material	1" Code	1½" Code	2" Code	3" Code
Style DLF Coupler (With Built-in Swivel End and Protective Cover). For NPT, Change BSP to NPT to code below				
PTFE	DLF100-T-BSP	DLF150-T-BSP	DLF200-T-BSP	DLF300-T-BSP
VITON	DLF100-V-BSP	DLF150-V-BSP	DLF200-V-BSP	DLF300-V-BSP
EPDM	DLF100-E-BSP	DLF150-E-BSP	DLF200-E-BSP	DLF300-E-BSP
CHEMRAZ	DLF100-C-BSP	DLF150-C-BSP	DLF200-C-BSP	DLF300-C-BSP
Style DLM Adaptor (With Swing-down Protective Cover). For NPT, Change BSP to NPT to code below				
PTFE	DLM100-T-BSP	DLM150-T-BSP	DLM200-T-BSP	DLM300-T-BSP
VITON	DLM100-V-BSP	DLM150-V-BSP	DLM200-V-BSP	DLM300-V-BSP
EPDM	DLM100-E-BSP	DLM150-E-BSP	DLM200-E-BSP	DLM300-E-BSP
CHEMRAZ	DLM100-C-BSP	DLM150-C-BSP	DLM200-C-BSP	DLM300-C-BSP

Replacement Kits

Nominal Size Replacement Kit	1" Code	1½" Code	2" Code	3" Code
Replacement Part Kits				
PTFE Main Seal Kit: For Coupler Only	K010250131	K015250131	K020250131	K030250131
PTFE Main Seal Kit: For Adaptor Only	K010250141	K015250141	K020250141	K030250141
EPDM Main Seal Kit: For Coupler Only	K010250A3B	K014250A3B		
EPDM Main Seal Kit: For Adaptor Only	K010260B3B	K014260B3B		
Main Seal - VITON			K020250201	K030250201
Main Seal - EPDM			K020250301	K030250301
CHEMRAZ 'O' Ring	K010250121	K015250121		
PTFE Encapsulated 'O' Ring			K020250121	K030250121
VITON 'O' Ring			K020250221	K030250221
EPDM 'O' Ring			K020250321	K030250321
Swivel Seal Kit	K010250051	K015250051	K020250051	K030250051
Locking Arm Kit	K010250041	K015250041	K020250041	K030250041
Flow Control Handle	K010250042	K015250042	K020250042	K030250042
Coupler Disc Kit	K010250031	K015250031	K020250031	K030250031
Adaptor Disc Kit	K010250033	K015250033	K020250033	K030250033
Adaptor Locking Cap	K010250032	K015250032		
Disc Lock Plunger			K020250032	K030250032
Coupler Cover and Side Panels	K010250053	K015250053		
Coupler Dust Cover			K020250053	K030250053
Adaptor Cover and Side Panels	K010250052	K015250052		
Adaptor Cover and Locking Bar			K020250052	K030250052
Seal Replacement Tool	K010250T1A	K014250T1A	K020250T1A	K030250T1A

Quick Disconnects – Dry Breaks



Dry Link Dry Disconnect Couplings

High-Containment Split-Butterfly Valves for Powders



High-Containment Split-Butterfly Valves that can assure safe and secure transfer of toxic powders in the pharmaceutical, biotechnology, cosmetic and food manufacturing processes.

The High-Containment Valve features a split-butterfly valve design consisting of two halves of a body. Two identical, thin-profile disc halves rotate in unison to create an excellent flow path. A single flow-control handle opens both discs simultaneously. Dry Link's patented triple sealing design ensures clean, secure and safe product transfer. Built-in safety interlocks prevent accidental separation. The Coupler half and the Adaptor half are bi-directional meaning that either half of the valve can be used as Active or Passive.

High-Containment Valves are available in SS316 and Hastelloy C materials with PTFE Seals. We recommend all internal surfaces to be polished to 20 RA micro-inch smooth finish to minimize adhesion of solids to the valve, although we also offer unpolished internals at economy prices. The smooth bore has no voids, dead spaces, crevices, or fillers to trap material. Efficient cleaning can be done using CIP/SIP methods.

These valves are available in sizes 1" (DN 25), 1½" (DN 40), 2" (DN 50), 3" (DN 75) and 4" (DN 100).

Hastelloy C Couplings in sizes 1", 1½" & 2"

Hastelloy C Alloys are known throughout the chemical process industry as the premier corrosion resistant materials.

Hastelloy C-22 is a versatile Nickel-Chromium-Molybdenum-Tungsten Alloy with better overall corrosion resistance than most other Ni-Cr-Mo alloys available today.

Hastelloy C has outstanding resistance to pitting, crevice corrosion, and stress corrosion cracking.

Hastelloy C has exceptional resistance to a wide variety of chemical process environments, including strong oxidizers such as ferric and cupric chlorides, chlorine, hot contaminated solutions (organic and inorganic), formic and acetic acids, acetic anhydride, and seawater and brine solutions.

Snap-Tite Quick Disconnect Couplings



General Purpose, Poppet Couplings



H Series

General purpose quick coupler for hydraulics, pneumatics, gases, and chemicals

- 1 Most popular style
- 1 Wide range of end fitting options
- 1 Available in sizes 1/4" thru 4"

- 1 Working pressures to 11,000 PSI (759 bar)
- 1 Available in Plated Steel, Brass, Aluminium, or 316 Stainless Steel construction
- 1 Double or single shut-off or straight-through configuration

See pages 44-45 for more information.



EA & E Series

General purpose, vacuum, and steam poppet coupling/quick coupler

- 1 Excellent high temperature sealing
- 1 Handles vacuums down to 29.72" hg
- 1 Available sizes:
EA Series 1/4" thru 3/4",
E Series 1" thru 4"

- 1 Working pressures to 3000 PSI (207 bar)
- 1 Available in Steel, Aluminium, Brass and 316 Stainless Steel
- 1 End fitting versatility
- 1 Double or single shut-off or straight-through configuration



60 Series

General purpose, Parker 4000 interchange coupling

- 1 Ball locking, poppet style coupling
- 1 Available in 1/4" and 3/8"
- 1 Working pressure to 3,000 PSI (207 bar)

- 1 Available in Plated Steel construction
- 1 Interchangeable with Parker 4000 and Aeroquip FD42 Series
- 1 Bulkhead mounting groove as standard
- 1 Double shut-off configuration



61 Series

ISO 7241-1 Series A (ISO-A) interchange coupling

- 1 Coupling conforms to ISO 7241-1 Series A and ISO 5675 specifications
- 1 Available in sizes 1/4" thru 1"

- 1 Working pressures to 5,000 PSI (345 bar)
- 1 Plated Steel construction
- 1 Superior pressure and flow to competition
- 1 Double shut-off configuration

Quick Disconnects – Dry Breaks



Snap-Tite Quick Disconnect Couplings

General Purpose, Poppet Couplings



72 Series

ISO 7241-1 series B (ISO-B) interchange coupling

- 1 Coupling conforms to ISO 7241-1 Series B specifications
- 1 Available in sizes 1/8" thru 1"
- 1 Working pressure to 7,500 PSI (517 bar)

- 1 Available in Steel, Brass, 303 or 316 Stainless Steel construction
 - 1 Exceeds pressure and flow capabilities of competition
 - 1 Double shut-off configuration
- See pages 47-48 for more information.



75 Series

Heavy duty, thread-to-connect hydraulic coupling

- 1 Rugged, heavy duty acme thread-to-connect construction
- 1 Available in sizes 3/4" thru 4"
- 1 Working pressure to 3000 PSI (207 bar)

- 1 Available in Steel or Stainless Steel construction
- 1 Det Norske Veritas (DNV) Approved
- 1 Connect-under-pressure capability
- 1 Double shut-off configuration



76 Series

High pressure thread-to-connect hydraulic coupling

- 1 Zero leak, soft seat poppet valving
- 1 Sizes 1/4" and 3/8"
- 1 Working pressures to 14,500 PSI (1,000 bar)

- 1 Available in rugged Plated Steel
- 1 Thread-to-connect sleeve accommodates hand or wrench connection
- 1 Performance exceeds ball style valve interchanges
- 1 Double shut-off configuration



25 Series

Chemical and cryogenic coupling

- 1 Teflon or KEL F (PCTFE) seals available for a host of corrosive materials
- 1 Sizes 1/4" thru 1/2"
- 1 Working pressure to 1,000 PSI (69 bar)

- 1 316 Stainless Steel construction
- 1 Optional safety sleeve lock
- 1 Ball locking design
- 1 Available as double shut-off or straight-through



General Dry Break, Non-Spill Couplings



71 Series

Flush face, Dry Break, general purpose, hydraulic couplings

- 1 Most popular, economical Dry Break
- 1 Push-to-connect design
- 1 Available in sizes 1/8" thru 2"
- 1 Working pressures to 10,000 PSI (690 bar)

1 Available in Steel, Stainless Steel, or high pressure Stainless Steel

- 1 Safety sleevelock optional
- 1 Other exotic materials available on request

See pages 46-47 for more information.



74 Series

Flush face, Dry Break, ISO 16028 interchange, hydraulic coupling

- 1 ISO 16028 interchange
- 1 Connect under pressure capability available in 1/2" size
- 1 3/8" also meets HTMA specifications

1 Push-to-connect design

- 1 Available in sizes 1/8" thru 1"
- 1 Working pressures to 4,568 PSI (315 bar)
- 1 Steel construction
- 1 Optional safety sleevelock



77 Series

High pressure, Dry Break coupling

- 1 Dog-locking design
- 1 Internal safety sleevelock prevents accidental disconnection
- 1 Available in 1/4" size

1 Working pressure to 36,000 PSI (2483 bar)

- 1 Plated Steel or Stainless Steel construction
- 1 Autoclave end fittings available



78 Series

Thread-to-connect, Dry Break, hydraulic, interchange coupling

- 1 Heavy duty construction
- 1 Available with wing nut or hex nut for easy connection
- 1 Available in sizes 3/4" thru 1 1/2"

1 Working pressure to 3,000 PSI (207 bar)

- 1 Brass body construction with Plated Steel sleeve
- 1 Steel flange available for bulkhead mounting of nipple half



28-1 Series

Military and aerospace Dry Break coupling

- 1 Lightweight design
- 1 Ball-locking with push-to-connect feature
- 1 Available in sizes 1/4" thru 2"

1 Working pressures to 1,000 PSI (69 bar)

- 1 Aluminium or Stainless Steel construction
- 1 Performance meets or exceeds MIL-C-7413B and MIL-C-25427A specifications



29 Series

Military and aerospace Dry Break coupling

- 1 Ball-locking design with push-to-connect feature
- 1 Exceeds the requirements of MIL-C-25427A

1 Available in sizes 1/8" thru 1 1/4"

- 1 Working pressures to 5,500 PSI (379 bar)
- 1 Available in Aluminium or 316 Stainless Steel construction

Quick Disconnects – Dry Breaks

H Series



Snap-Tite's H Series Quick Disconnect has been proven by years of use on hydraulic and pneumatic applications and in handling of many gases and fluids. The H Series coupling's fully engineered design meets or exceeds MIL-C-51234 and provides superior flow characteristics with built in reliability. Options are available for static pressure hydraulic systems and also for pneumatic air tool use.

General Purpose, Poppet Couplings

General Purpose Quick Coupler for Hydraulics, Pneumatic, Gases & Chemicals

Features

- 1 Construction – Available in Brass, Aluminium, Plated Steel and 316 Stainless Steel
- 1 Sizes – 1/8" thru 4"
- 1 Seal Versatility – Wide choice of standard and special seal materials for a wide variety of media
- 1 Positive Sealing when Connected – Two sealing methods available based on application parameters
- 1 Dependable Operation – Ball locking mechanism for positive connection

- 1 Low Pressure Drop – Valve design and positive valve positioning maintain clean linear flow
- 1 Det Norske Veritas (DNV) Approved
- 1 Valve Configurations – Available with double or single shut-off valve or straight through
- 1 Pressure Ratings – For use in working pressures to 11,000 PSI (759 bar)
- 1 End Fitting Versatility – Two piece body construction allows for many end fitting options

Benefits

Applications include general hydraulic systems, plastic moulding, machine tool, test equipment, agricultural, Departments of Transportation, and other mobile hydraulics. The IH option is available for reciprocating, pulsating and rotary motion air tools while the PH option is available for connection against static hydraulic pressure.

Working Pressures *

Quick Disconnect Size	Valve & Valve (Double Shut-off) Valve & Plain (Single Shut-off)				Plain & Plain (No Shut-off)											
	STEEL		ALUMINIUM		BRASS		STAINLESS STEEL		STEEL		ALUMINIUM		BRASS		STAINLESS STEEL	
	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar
1/4"	6500	448	2250	155	2250	155	5000	345	11000	759	4000	276	4000	276	10000	690
3/8"	4500	310	2250	155	2250	155	4000	276	11000	759	4000	276	4000	276	8000	552
1/2"	4000	276	1750	121	2000	138	3750	259	11000	759	4000	276	4000	276	8000	552
3/4"	3500	241	1750	121	2000	138	2000	138	9000	621	3500	241	3500	241	7000	483
1"	2000	138	1500	103	1750	121	2000	138	6000	414	3000	207	3000	207	4000	276
1 1/4"	1750	121	375	26	350	24	1500	103	5000	345	1000	69	1000	69	3000	207
1 1/2"	1500	103	375	26	350	24	1500	103	5000	345	1000	69	1000	69	3000	207
2"	1500	103	300	21	400	28	500	34	4000	276	750	52	750	52	1000	69
2 1/2"	1000	69	300	21	400	28	400	28	1000	69	300	21	400	28	400	28
3"	750	52	200	14	200	14	400	28	750	52	200	14	200	14	400	28
4"	500	34	150	10	150	10	300	21	500	34	150	10	150	10	300	21

Note

Pressure ratings were established under static pressure conditions. Therefore, pressure ratings for any given flow, pressure surge, and/or vibration may vary from these ratings.

Pressure and Flow Data

Pressure ratings of standard quick Dry Breaks can be increased for some applications by slight design modifications or if specific operating conditions are met. On applications requiring higher ratings than those listed or pressure surges, please consult our Sales Office.

Burst pressures listed were taken at the point at which failure rendered the quick disconnect inoperative. (Proof pressure equals 1 1/2 times the working pressure; burst pressure equals 2 times working pressure.)

* For Det Norske Veritas (DNV) compliance, divide the working pressures shown by 2.

Quick Disconnects – Dry Breaks



H Series How to Order



Part Number B	V	H	C	4-	4	RP	Options		
Material	Body Type	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	Optional Seal	Seals	Options
No Letter = Plated Steel A = Aluminium B = Brass S = Stainless Steel 316	V = Valve P = Plain (without valve)	H	C = Coupler N = Nipple	4 = 1/4" 6 = 3/8" 8 = 1/2" 12 = 3/4" 16 = 1" 20 = 1 1/4" 24 = 1 1/2" 32 = 2" 40 = 2 1/2" 48 = 3" 64 = 4"	2 = 1/8" 4 = 1/4" 6 = 3/8" 8 = 1/2" 10 = 5/8" 12 = 3/4" 16 = 1" 20 = 1 1/4" 24 = 1 1/2" 32 = 2" 40 = 2 1/2" 48 = 3" 64 = 4"	RP = Female British Parallel F = Female NPT M = Male NPT	-9 = O-Ring and Teflon back-up Ring for Steel and Stainless Steel only	Standard = Buna V = Viton E = Ethylene	SL = Sleeve Lock



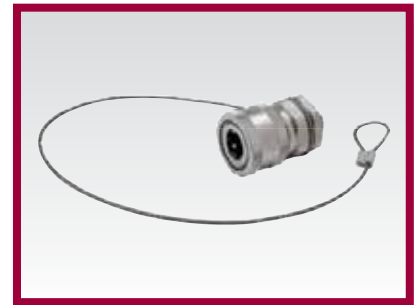
Plastic Caps and Plugs

- 1 Inexpensive means to protect your investment against contamination and damage.
- 1 Comes with a loop to fit over pipe fitting or affixing to equipment with sheet metal screw.
- 1 Available in sizes 1/4" thru 1".



Aluminium Dust Caps and Plugs

- 1 Alternative method to protect your equipment. Aluminium dust caps and plugs are available in sizes 1/4" thru 3".
- 1 The 1/4" thru 3/4" sizes come with 10" Chrome Plated Brass bead chain.
- 1 1" and above come with Steel Zinc Plated sash chain.



Pressure Caps

- 1 Pressure-tight pressure caps for nipples are standard in Steel, Zinc Yellow Dichromate Plated.
- 1 Other materials such as Brass, Aluminium and Stainless Steel available on special order.
- 1 Sizes available 1/4" thru 3".
- 1 Sizes 1/4" thru 3/4" come with 10" length of corrosion resistant Steel cable.
- 1 Sizes 1" thru 3" come with 12" of cable.
- 1 All with adjustable loop at end of cable.

Sizes	Plastic Dust Cap with Dust Plug Code	Aluminium Cap Code	Aluminium Plug Code	Pressure Cap Code
1/4"	PDCP-4	ADCH-4	AMPH-4	MCH-4
3/8"	PDCP-6	ADCH-6	AMPH-6	MCH-6
1/2"	PDCP-8	ADCH-8	AMPH-8	MCH-8
3/4"	PDCP-12	ADCH-12	AMPH-12	MCH-12
1"	PDCP-16	ADCH-16	AMPH-16	MCH-16
1 1/4"		ADCH-20	AMPH-20	MCH-20
1 1/2"		ADCH-24	AMPH-24	MCH-24
2"		ADCH-32	AMPH-32	MCH-32
3"		ADCH-40	AMPH-40	MCH-40
4"		ADCH-48	AMPH-48	MCH-48

Quick Disconnects – Dry Breaks

71 Series



The 71 Series couplings are designed for today's applications including special features for modern needs - Dry Break, push-to-connect, high pressure, rugged and versatile. Extra large flow chambers and Snap-Tite's exclusive valve design permit exceptional flow while maintaining low pressure drop.

Dry Break, Non-Spill Couplings

Flush face, Dry Break, General Purpose, Hydraulic Couplings

Features

- 1 Flush Face/Dry Break – Spillage and system contamination are held to a minimum with flush face valve
- 1 Push-to-Connect – Ideal one-hand operation when one half is mounted. Sleeve retracts to disconnect
- 1 Rugged Unit – Heavy duty construction ideally suited for tough applications
- 1 Pressure Capability – Designed for operating pressures up to 10,000 PSI (690 bar)
- 1 Versatile Construction – Available in Plated Steel, Stainless Steel & high pressure Stainless Steel
- 1 Range of Sizes – 1/8" thru 2" sizes are available

- 1 Superior flow and low pressure drop
- 1 Det Norske Veritas (DNV) Certified
- 1 Autoclave cone & threaded fittings are available
- 1 Sleeve Lock Feature – This optional feature protects against accidental disconnection

Benefits

Snap-Tite's 71 Series quick disconnect product line offers customers an economical flush face, Dry Break coupling capable of operating at pressures to 10,000 PSI (690 bar). Special seals are available to handle troublesome media as well as optional Autoclave Engineers cone and threaded end fittings for high pressure applications. The 71 Series is ideal for test stands and other hydraulic and chemical applications where endurance and cleanliness are requirements.

Pressure Ratings

Size (Ins)	Spillage (CC)	Air Inclusion (CC)	STEEL				316 STAINLESS STEEL				HIGH PRESSURE STAINLESS STEEL			
			Max. Working PSI	bar	Min Burst* PSI	bar	Max. Working PSI	bar	Min Burst* PSI	bar	Max. Working PSI	bar	Min Burst* PSI	bar
1/8"	.12	.02	10,000	689	22,000	1517	N/A		N/A		N/A		N/A	
1/4"	.02	.01	10,000	689	20,000	1379	5,000	344	12,500	862	10,000	689	20,000	1379
3/8" x 1/4" (1)	.02	.02	10,000	689	20,000	1379	5,000	344	12,500	862	10,000	689	20,000	1379
3/8"	.02	.02	10,000	689	20,000	1379	5,000	344	12,500	862	10,000	689	20,000	1379
3/8" x 1/2" (2)	.02	.02	10,000	689	20,000	1379	5,000	344	12,500	862	10,000	689	20,000	1379
1/2"	.03	.03	10,000	689	20,000	1379	5,000	344	12,500	862	10,000	689	20,000	1379
3/4"	.06	.04	7,500	517	15,000	1034	5,000	344	12,500	862	7,500	517	15,000	1034
1"	.10	.06	7,500	517	15,000	1034	4,000	275	10,000	689	7,500	517	15,000	1034
1" x 1 1/4" (3)	.10	.06	7,500	517	15,000	1034	4,000	275	10,000	689	7,500	517	15,000	1034
2" x 1 1/2" (4)	5.25	30.50	5,000	344	10,000	689	3,000	206	6,000	413	5,000	344	10,000	689
2"	5.25	30.50	5,000	344	10,000	689	3,000	206	6,000	413	5,000	344	10,000	689

- (1) Unit is 3/8" with 1/4" end fitting.
- (2) Unit is 3/8" with 1/2" end fitting.
- (3) 1" Unit with 1 1/4" end fitting.
- (4) 2" Unit with 1 1/2" end fitting.

* Note

Pressure Ratings were established under static pressure conditions. For high impulse applications, multiply the above pressure ratings by .6 for approximate pressure ratings.

For Det Norske Veritas (DNV) compliance, divide the burst pressure by 4 for the maximum working pressure.

Quick Disconnects – Dry Breaks



71 Series How to Order

Part Number	71-3	C	4-	4	RP	OPTIONS	
Material	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	Seals	Options
No Letter = Plated Steel	71-3 = 1/4" thru 1 1/4"	C = Coupler	2 = 1/8" 4 = 1/4" 6 = 3/8" 8 = 1/2" 12 = 3/4" 16 = 1" 32 = 2"	2 = 1/8" 4 = 1/4" 6 = 3/8" 8 = 1/2" 12 = 3/4" 16 = 1" 20 = 1 1/4" 24 = 1 1/2" 32 = 2"	RP = Female British Parallel F = Female NPT M = Male NPT	Standard = Buna V = Viton E = Ethylene	SL = Sleeve Lock

Plastic Dust Cap Size	Coupler Dust Cap	Nipple Dust Cap
1/4"	71-3PCC-4	71-3PNC-4
3/8"	71-3PCC-6	71-3PNC-6
1/2"	71-3PCC-8	71-3PNC-8
3/4"	71-3PCC-12	71-3PNC-12
1"	71-3PCC-16	71-3PNC-16

72 Series



The 72 Series Quick Disconnect Coupling is designed to meet or exceed ISO Series B requirements. This ISO specification stipulates the test parameters of the couplings and the nipple dimensions so the units will interchange with those of other manufacturers meeting this same specification. The 72 Series features superior pressure and flow characteristics over the competition making it the premier ISO industrial interchange.

General Purpose Poppet Coupling

ISO 7241-1 Series B (ISO-B) Interchange Coupling

Features

- 1 Available Sizes – 1/8" thru 1"
- 1 Working Pressure – To 7,500 PSI (520 bar)
- 1 Performance – Exceeds pressure & flow characteristics of the competition
- 1 Materials – Available in Steel, Brass, 303 or 316 Stainless Steel or optional exotic Alloy as required
- 1 Double shut-off valve configuration
- 1 Interchangeable – Connects to other manufacturers ISO 7241-1 Series B (ISO-B) units
- 1 Proven ball-locking mechanism
- 1 Sleeve Lock – Available safety option to prevent accidental disconnection

Benefits

Applications for the Snap-Tite 72 Series include general in-plant use, chemical transfer, chemical injection, test equipment, mobile equipment all the way to rug cleaning. This product line is also available with special seal materials, which allow it to be used in food applications such as fryers. Other modifications are possible as well to handle special applications.

Quick Disconnects – Dry Breaks

72 Series



Pressure Ratings Double Shut-off (Valved and Valved)

Size	STEEL				STAINLESS STEEL				BRASS			
	Max. Working		Min Burst		Max. Working		Min Burst		Max. Working		Min Burst	
	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar	PSI	bar
1/8"	5,000	345	20,000	1,380	4,000	280	16,000	1,105	3,000	210	12,000	830
1/4"	7,500	520	30,000	2,070	5,500	380	22,000	1,520	3,750	260	15,000	1,035
3/8"	5,000	345	20,000	1,380	3,750	260	15,000	1,035	2,750	190	11,000	760
1/2"	5,000	345	20,000	1,380	3,750	260	15,000	1,035	3,000	210	12,000	830
3/4"	4,000	280	16,000	1,105	3,000	210	12,000	830	2,200	155	8,800	610
1"	4,000	280	16,000	1,105	3,000	210	12,000	830	1,500	105	6,000	415

How to Order

Part Number B	72	C	4-	4	RP	OPTIONS	
Material	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	Seals	Options
No Letter = Plated Steel S = Stainless Steel 303 SS = Stainless Steel 316 B = Brass	72	C = Coupler N = Nipple	2 = 1/8" 4 = 1/4" 6 = 3/8" 8 = 1/2" 12 = 3/4" 16 = 1"	2 = 1/8" 4 = 1/4" 6 = 3/8" 8 = 1/2" 10 = 5/8" 12 = 3/4" 16 = 1"	RP = Female British Parallel F = Female NPT	Standard = Buna V = Viton E = Ethylene	SL = Sleeve Lock

Plastic Dust Cap with Dust Plug	
Size	Code
1/4"	72PDCP-4
3/8"	72PDCP-6
1/2"	72PDCP-8
3/4"	72PDCP-12
1"	72PDCP-16

Quick Disconnects – Dry Breaks



Colder Products Company® broad range of quick disconnect couplings, fittings and connectors have been designed for thousands of applications across many markets including Industrial, Life Sciences and Chemical Handling.

These innovative coupling and connection technologies from CPC® allow flexible tubing to be quickly and safely connected and disconnected. Robust and easy to use, these quick disconnect couplings provide reliable, secure and leak free connections for fluid and air management.

Special product features include built in shut-off valves to prevent product spills and an easy to use push button thumb latch for quick connecting and disconnecting.



Chemical Management

Applications include semi-conductor and pharmaceutical manufacturing as well as pump, filter and de-ionized water connections.

Closed loop dispensing systems enable fast, easy and economical chemical extraction from drums and IBCs. These systems increase workplace safety and protect employees and the environment from hazardous leaks and spills.

CPC® fitments, closures and couplings for bag-in-box and rigid containers are found in many industrial applications, such as cleaning, soap and detergent dispensing and bulk ink management.



Industrial

Applications include analytical instrumentation, printing and ink management, engine systems, biohazard detection equipment, electronic cooling and portable hydration equipment.



Life Sciences

Applications include reusable and disposable connection devices in surgical and dialysis equipment, blood pressure monitoring and patient therapy equipment.

They are also used for single connections for media transfer in feeding, harvesting and sampling applications. They provide biopharmaceutical manufacturers with the ideal transition solution from Stainless Steel processing equipment to disposable bag systems, manifold and tube sets. These single use aseptic connection and disconnection technologies ensure sterility is maintained throughout the process cycle.

Quick Disconnects – Dry Breaks

Drum Dispensing System



DrumQuik®



“DrumQuik® Dispensing Systems for Safer Chemical Management”

The DrumQuik® PRO & DrumQuik® PUR dispensing systems are used with common pumps to create a closed transfer system for both general and high purity chemicals. These easy to use products meet the strict safety requirements of chemical handling applications, as well as the demands of harsh operating environments. DrumQuik® dispensing systems minimise chemical exposure and facilitate the delivery of chemicals from bulk transfer containers to end use applications.

For general chemical dispensing DrumQuik® PRO offers a rugged and cost effective solution. DrumQuik® PUR is a 100% metal free cleanroom packaged PVDF product, designed specifically for applications demanding the highest levels of purity. All materials are compliant with FDA standards for food and consumable applications.

Whether you are dispensing edible oils, condiments, detergents, diesel exhaust fluids or industrial chemicals, acids, caustic or solvents, DrumQuik® PRO and the high purity DrumQuik® PUR can make your process cleaner, faster, safer and smarter, and can:

- 1 Provide the critical connection between your chemical container and the end use process.
- 1 Create a closed transfer system to protect employees and maintain a cleaner work environment.

DrumQuik® solutions are available for a variety of container types, providing interchangeable, re-useable connections for:

- 1 Plastic or Steel Drums
- 1 Chemical Packs
- 1 IBC or Totes

Specification

Pressure

Uncoupled: Vacuum to 45 PSIG (3.1 bar)
Coupled: Vacuum to drum rating

Temperature

Drum Insert: -29°C to 49°C
Coupler – HDPE: 0°C to 49°C
Coupler – PVDF: -18°C to 49°C

Materials

DrumQuik® PRO

Coupler	Plastic:	Virgin Polypropylene (PP)
	Seals:	EPDM or FKM
	Spring:	316SST or Hastelloy C
Drum Insert	Plastic:	HDPE
	Seals:	EPDM or FKM
Dip-tube		HDPE

DrumQuik® PUR

Coupler	Plastic:	Virgin PVDF
	Seals:	FKM or Simriz® FFKM
	Spring:	PEEK® or TESS (Teflon®)
Drum Insert	Plastic:	HDPE
	Seals:	
	Bung:	Polyolefin (POE)
	Plug:	EPDM or FKM
Dip-tube		HDPE

Note:

Other seal options (AFLAS, Silicone, etc.) available by special order.

Quick Disconnects – Dry Breaks



DrumQuik® PRO

Features and Benefits

- 1 Quick connect/disconnect — Allows faster drum changes
- 1 Automatic shut-off valve — Stops flow when disconnected
- 1 Disposable drum insert — Reduces messy handling and chemical exposure
- 1 Ported vent system — Allows make-up air into drum or connection of blanket gas
- 1 Multiple standard thread sizes — Can be used with many common Steel and Plastic containers

DrumQuik® PUR

Features and Benefits

- 1 Quick connect/disconnect — Allows faster drum changes
- 1 All Plastic construction — No metallic corrosion/contamination
- 1 Automatic shut-off valve — Stops flow when disconnected
- 1 Cleanroom manufactured — Assures high level of purity
- 1 Disposable drum insert — Minimises chemical exposure and contamination

Easy installation and dispensing



1. Fully press dip-tube into drum insert socket.



2. Place the drum insert assembly in drum.



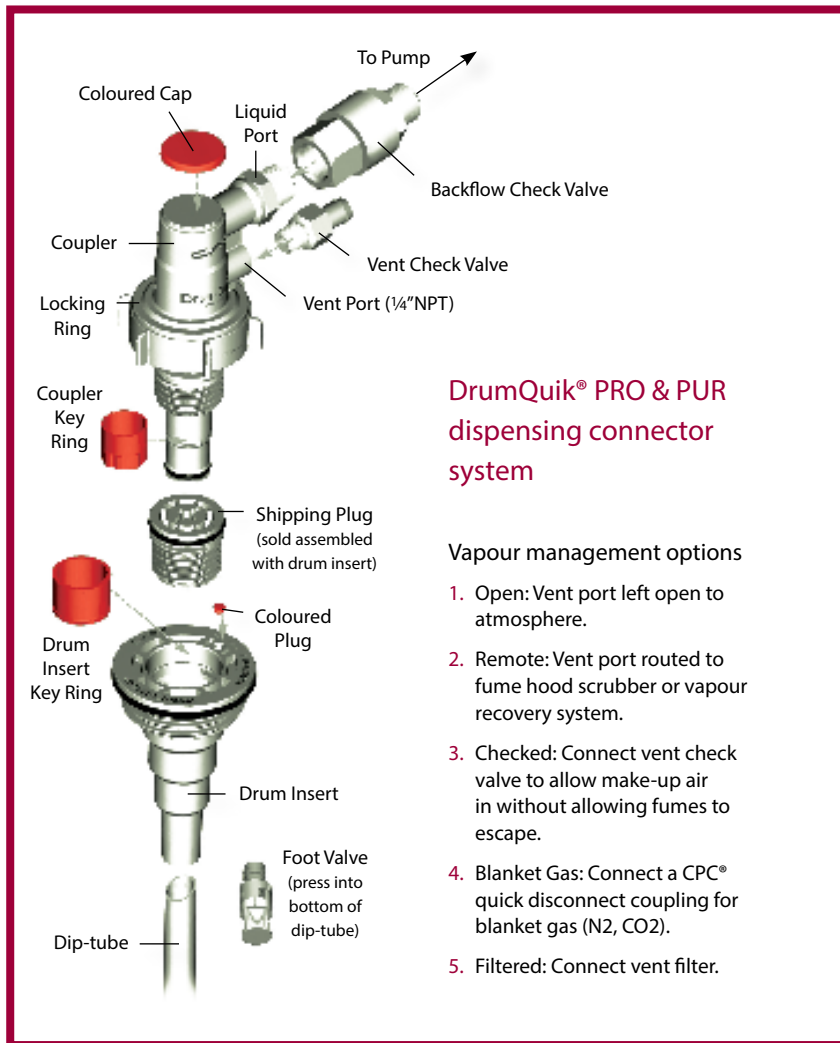
3. Turn shipping plug anti-clockwise to remove. (Use a large flat blade or a Phillips screwdriver.)



4. Insert coupler into drum assembly.



5. Turn the coupler locking ring clockwise until stop is reached (approximately 2 full turns), valve is opened during this process.



DrumQuik® PRO & PUR dispensing connector system

Vapour management options

1. Open: Vent port left open to atmosphere.
2. Remote: Vent port routed to fume hood scrubber or vapour recovery system.
3. Checked: Connect vent check valve to allow make-up air in without allowing fumes to escape.
4. Blanket Gas: Connect a CPC® quick disconnect coupling for blanket gas (N₂, CO₂).
5. Filtered: Connect vent filter.

Quick Disconnects – Dry Breaks

Drum Dispensing System



DrumQuik® 3-Port UDA

“3-Port Dispensing System for Professional Chemical Management”

DrumQuik® 3-Port Universal Dispensing Adaptor (UDA) is an easy-to-use product for extracting liquids and chemicals from rigid containers in end-use applications. The reusable dip-tube can easily be moved from one container to the next without messy drips or spills and is more cost-effective than Stainless Steel stingers.

The 3-Port UDA features a 3/4" Male NPT thread that mates with common containers, bung plugs and caps. The adaptor ports enable simultaneous chemical extraction, venting and application of blanket gas or air. In addition, the third port can be used to recirculate priming chemical to the container in metering pump applications. DrumQuik® 3-Port UDA facilitates easy, spill-free drum changeouts and offers unprecedented flexibility in a closed system for safely dispensing chemicals. Optional system components including foot valves, air filters and vent check valves are also available.



Features and Benefits

- 1 3/4" Male NPT thread — Mates with Steel and Plastic drums, IBCs, jerry cans and Nalgene® bottles
- 1 3-Port design — Enables flexible system configuration based on application needs
- 1 Mates with CPC® couplings — Easily disconnect/reconnect system tubing
- 1 Standard bung plug and cap accessories available — Easily connect to virtually any container

Pressure

Uncoupled: Vacuum to 45 PSIG (3.1 bar)

Coupled: Vacuum to drum rating

Temperature

3-Port UDA: 0°C to 49°C

Coupler: Dependent on selected coupler

Clearance Hole Diameter*

1.06" (27mm)

*For cap applications

Materials:

3-Port UDA and Nut: Food grade, Virgin Polypropylene

Seal: Food grade EPDM (FKM optional)

Dip-tube: Food grade, Virgin Polyethylene (HDPE)

Bushings and Plugs: Black Glass-filled Polypropylene

Quick Disconnects – Dry Breaks

General Purpose Couplings



PMC Series



The 1/8" Flow PMC coupling covers a wide variety of general purpose applications. Featuring the CPC® thumb latch, the PMC is easier to use than ball and sleeve designs. One hand connection / disconnection and integral terminations make the PMC the choice for ease of use.

Features and Benefits

- 1 Hose barb shroud — Extra protection for 1/16" hose barb
- 1 NuSeal compatible — Mates with PMC12 and MC Series
- 1 Integral terminations — Fewer leak points, shorter assemblies and faster installations
- 1 Clicks when connected — Reliable connection

Pressure

Vacuum to 120 PSI (8.3 bar)

Temperature

-40°C to 82°C

Materials

Main Components and Valves: Acetal

Thumb Latch: Stainless Steel

Valve Spring: 316 Stainless Steel

External Springs and Pins:
Stainless Steel

O-Rings: Buna N

To Fit Tubing Sizes

1/16" to 1/4" ID, 1.6mm to 6.4mm ID

Colour

Natural White

PMC12 Series



The 1/8" Flow Polypropylene PMC12 has the advantage over the PMC Series in that the Polypropylene material adds greater chemical resistance and is gamma sterilisable. The PMC12 also mates to small diameter rigid tubing. Available with a 1/4-28 flat bottom port and 1/4-28 UNF threads, these couplings therefore eliminate the need to thread and re-thread common compression nuts each time a tubing connection is made.

Features and Benefits

- 1 Polypropylene — Chemical resistant and gamma-sterilisable
- 1 EPDM ring — Greater chemical resistance
- 1 CPC® thumb latch — One-hand connection/disconnection
- 1 Integral terminations — Fewer leak points, shorter assemblies and faster installations

Pressure

Vacuum to 120 PSI (8.3 bar)

Temperature

0°C to 71°C

Materials

Main Components and Valves:
Polypropylene

Thumb Latch: Stainless Steel

Valve Spring: 316 Stainless Steel

External Springs and Pins:
Stainless Steel

O-Rings: EPDM

To Fit Tubing Sizes

Microbore to 1/4" ID (6.4mm) ID

Gamma Sterilisation

Up to 50 kGy irradiation

Colour

Almond

Quick Disconnects – Dry Breaks

General Purpose Couplings



MC Series



The Chrome Plated Brass MC Series couplings are built tough and made to last in the most demanding applications. Ideal for use when higher temperatures or pressure are present, the MC Series features a one-hand operation for swift and easy connects and disconnects. These couplings offer the flexibility of multiple configurations and terminations and mate with both PMC Acetal and PMC12 Polypropylene couplings.

Features and Benefits

- 1 Brass material — Durable and able to withstand higher pressure and temperature
- 1 High temperature capability — Versions rated to 204°C
- 1 CPC® thumb latch — One-hand connection/disconnection
- 1 Compatible — MC mates with PMC and PMC12 Series

Pressure

Vacuum to 250 PSI (17.3 bar)

Temperature

-40°C to 82°C

Materials

Main Components: Chrome Plated Brass

Thumb Latch: Stainless Steel

Valves: Acetal

Valve Spring: 316 Stainless Steel

External Springs and Pins: Stainless Steel

O-Rings: BUNA-N

To Fit Tubing Sizes

1/8" to 1/4" ID, 3.2mm to 6.4mm ID

Finish

Chrome

PLC Series



The 1/4" Flow PLC Series is proven worldwide in thousands of applications and offers the widest selection of sizes and configurations. PLC couplings are injection moulded from Acetal Thermoplastic and are resistant to most mild chemical solutions. One-hand connection/disconnection, plus integral terminations make the PLC Series the choice for ease of use and manufacture.

The PLC Series is also available with optional RFID (Radio Frequency Identification) capability.

Features and Benefits

- 1 Integral terminations — Fewer leak points, shorter assemblies, faster installations
- 1 Clicks when connected — Assurance of a reliable connection
- 1 CPC® thumb latch — One-hand connection and disconnection
- 1 Compatible — Mates with LC Series

Pressure

Vacuum to 120 PSI (8.3 bar)

Temperature

-40°C to 82°C

Materials

Main Components and Valves: Acetal

Thumb Latch: Stainless Steel

Valve Spring: 316 Stainless Steel

External Springs and Pins: Stainless Steel

O-Rings: BUNA-N

To Fit Tubing Sizes

1/4" to 3/8" ID, 6.4mm to 9.5mm ID



PLC12 Series



The 1/4" Flow PLC12 Series offers many of the same configuration options as the PLC. The Polypropylene material adds greater chemical resistance for more demanding applications. PLC12 couplings are also gamma sterilisation.

Features and Benefits

- 1 Polypropylene material — Chemically resistant and gamma sterilizable
- 1 Integral terminations — Fewer leak points, shorter assemblies, faster installations
- 1 CPC® thumb latch — One-hand connection and disconnection
- 1 EPDM gaskets — Greater chemical resistance

Pressure

Vacuum to 120 PSI (8.3 bar)

Temperature

0°C to 71°C

Materials

Main Components and Valves: Polypropylene

Thumb Latch: Stainless Steel

Valve Spring: 316 Stainless Steel

External Springs and Pins: Stainless Steel

O-Rings: EPDM

To Fit Tubing Sizes

1/4" to 3/8" ID, 6.4mm to 9.5mm ID

LC Series



The LC Series Chrome Plated Brass couplings are built tough and made to last in the most demanding of applications. Ideal for use when higher temperatures or pressure are present, the LC Series features a one-hand operation for swift and easy connection/disconnection. These couplings offer the flexibility of multiple configurations and terminations to mate with both the PLC Acetal and PCL12 Polypropylene couplings.

Features and Benefits

- 1 Brass material — Durable and able to withstand higher pressure and temperature
- 1 High temperature capability — Versions rated to 204°C
- 1 CPC® thumb latch — One-hand connection/disconnection
- 1 Compatible — LC mates with PLC Series

Pressure

Vacuum to 250 PSI (17.3 bar)

Temperature

-40°C to 82°C

Materials

Main Components: Chrome Plated Brass

Valves: Acetal

Thumb Latch: Stainless Steel

Valve Spring: 316 Stainless Steel

External Springs and Pins: Stainless Steel

O-Rings: BUNA-N

To Fit Tubing Sizes

1/4" to 3/8" ID, 6.4mm to 9.5mm ID

Quick Disconnects – Dry Breaks

General Purpose Couplings



ZLC Series



The 1/4" Flow LC Series couplings provide a durable and economical solution for high volume metal applications. The ZLC is streamlined, lightweight and mates with PLC, PLC12 and LC Series couplings. A high temperature version is also available for more demanding applications.

Features and Benefits

- 1 Die Cast Zinc material — Durable and able to withstand higher pressure and temperature
- 1 High temperature capability — Versions rated to 204°C
- 1 CPC® thumb latch — One-hand connection/disconnection
- 1 Integral terminations — Eliminates additional components and assembly

Pressure

Vacuum to 250 PSI (17.3 bar)

Temperature

-23°C to 66°C

Materials

Main Components: Die Cast Zinc

Valves: Acetal

Thumb Latch: Stainless Steel

Valve Spring: 316 Stainless Steel

External Springs and Pins: Stainless Steel

O-Rings: BUNA-N

To Fit Tubing Sizes

1/4" to 3/8" ID, 6.4mm to 9.5mm ID

APC Series



The 1/4" Flow APC Series features a Plastic thumb latch, fewer moving parts and a smooth contoured design to deliver ease-of-use and excellent flow in a compact size. The APC Series has been expanded to include couplings with valves and thumb latch shrouds. A more rugged design on some models provides added durability, increasing the application range of the product.

Features and Benefits

- 1 Plastic thumb latch — No exposed metal parts
- 1 Shrouded thumb latch — Protects against accidental disconnections
- 1 Integral terminations — Fewer leak points, shorter assemblies faster installations
- 1 Compatible — Mates with EFC Series

Pressure

Vacuum to 120 PSI (8.3 bar)

Temperature

-40°C to 82°C

Materials

Main Components: Acetal

Valves: Acetal

Thumb Latch: Acetal

Valve Spring: 316 Stainless Steel

External Spring: 302 Stainless Steel

O-Rings: BUNA-N

To Fit Tubing Sizes

1/4" to 3/8" ID, 6.4mm to 9.5mm ID



BreakAway Series



The BreakAway Series provides safe and easy fluid transfer with protection from costly product loss, environmental and equipment damage. The high quality, leak-free connectors are designed to disconnect when a pull force is applied without depressing a latching mechanism, allowing users to make a clean fast and easy break.

Features and Benefits

- 1 Reliable BreakAway design — Rapid automatic disconnection
- 1 Automatic dual shut-off valves — Safe and clean fluid handling
- 1 Streamlined flush finish — Ease-of-use for maximum productivity

Pressure

Vacuum to 20 PSI (1.4 bar)

Temperature

-18°C to 66°C

Materials

Main Components: Acetal

Valves: Acetal

Valve Spring: 316 Stainless Steel

Retention Ring: PPSI

O-Rings: BUNA-N

To Fit Tubing Sizes

¼" to ¾" ID, 6.4mm to 9.5mm ID

EFC12 Series



The ½" Flow EFC12 Series couplings feature a high efficiency valve design that provides a greater flow capability than any other coupling of its size. Chemically resistant Polypropylene material makes it ideal for harsh environments. The EFC12 Series adds a bulkhead panel mount option for tight seals against tank walls and drums.

Features and Benefits

- 1 High efficiency valve — More flow in a compact size
- 1 Plastic thumb latch — Fewer moving parts
- 1 Polypropylene material — Chemically resistant and gamma sterilizable
- 1 Compatible — Mates with most APC couplings

Pressure

Vacuum to 105 PSI (7.2 bar)

Temperature

0°C to 71°C

Materials

Main Components and Valves: Polypropylene

Thumb Latch: Polypropylene

Valve Spring: 316 Stainless Steel

Panel Mount Gasket: EPDM

External Springs: 302 Stainless Steel

'O' Rings: EPDM

To Fit Tubing Sizes

¼" to ¾" ID, 6.4mm to 9.5mm ID

Colour

Grey with dark grey latch

Quick Disconnects – Dry Breaks

General Purpose Couplings



NS2 Series



The NS2 Series provides a proven platform of non-spill valves designed to provide fast, safe and virtually leak-free fluid line connections. It offers an easy, twist to connect coupling with an integrated locking mechanism and double sided non-spill shut-off valves. The NS2 is also chemically resistant, making it ideal for a diverse range of applications.

Features and Benefits

- 1 Efficient non-spill design — Disconnect under pressure with no spills
- 1 Twist to connect locking — Ease-of-use in tight places
- 1 High flow in a compact design — Smaller coupling replacing a larger connector
- 1 Ultra low air inclusion — Minimises contaminants thus reduces necessity to purge lines

Pressure

Vacuum to 45 PSI (3.1 bar)

Temperature

0°C to 49°C

Materials

Main Components and Valves: Glass filled Polypropylene

Valve Spring: 316 Stainless Steel

Seal Material: EPDM

To Fit Tubing Sizes

1/8" to 1/4" ID, 3.2mm to 6.4mm ID

Colour

Grey with dark grey accent standard

NS4 Series



The NS4 Series features non-spill valves in a compact size at a great price. Use the NS4 when even a few drops pose problems regarding safety, media cost or environmental regulations. These innovative couplings are lightweight, chemically resistant and easy to use. The non-spill design effectively eliminates spills, minimises downtime and enhances employee safety.

Features and Benefits

- 1 Efficient non-spill design — Disconnect under pressure with no spills
- 1 Colour coded — Visual differentiation on media lines
- 1 Glass filled Polypropylene — Durable and compatible with many chemicals
- 1 Medical Grade ABS — Gamma sterilisable

Pressure

Vacuum to 120 PSI (8.3 bar)

Temperature

0°C to 71°C

Materials

Main Components and Valves: Glass filled Polypropylene with Thermoplastic Vulcanisate overmould – ABS with Thermoplastic Elastomer soft touch overmould

Valve Spring: 316 Stainless Steel

Seal Material: EPDM

Thumb latch: Glass-filled Polypropylene ABS

To Fit Tubing Sizes

1/8" to 3/8" ID, 3.2mm to 9.5mm ID

Colour

Grey with dark grey overmould as standard – optional red, blue or green overmould



NS6 Series



The NS6 Series feature non-spill valves at a great price. Use the NS6 when even a few drops pose problems regarding safety, media cost or environmental regulations. These innovative couplings are lightweight, chemically resistant and easy to use. The non-spill design effectively eliminates spills, minimises downtime and enhances employee safety.

Features and Benefits

- 1 Efficient non-spill design — Disconnect under pressure with no spills
- 1 Colour coded — Visual Differentiation on media lines
- 1 Glass filled Polypropylene — Durable and compatible with many chemicals
- 1 CPC® thumb latch — One-hand connection/disconnection

Pressure

Vacuum to 120 PSI (8.3 bar)

Temperature

0°C to 71°C

Materials

Main Components: Glass filled Polypropylene with Thermoplastic Vulcanisate overmould

Valve Spring (wetted): 316 Stainless Steel

Seal Material: EPDM

Thumb latch: Glass-filled Polypropylene

To Fit Tubing Sizes

3/8" to 1/2" ID, 9.5mm to 12.7mm ID

Colour

Grey with dark grey overmould as standard – optional red or blue overmould

NSH Series



The NSH Series are general purpose versions of the CPC® ChemQuick CQG06 couplings. Moulded Polypropylene EPDM seals and a 100% springless and metal-free flow path provides broad chemical resistance and exceptionally high flow capacity, allowing instant disconnects/connects, even under pressure. Their non-spill design virtually eliminates spills, minimises downtime and enhances employee safety in a low cost solution.

Features and Benefits

- 1 Efficient non-spill design — Ultimate protection from chemicals and fumes
- 1 Pressure balanced design — Failsafe disconnect, even if under pressure, easy to reconnect at high pressure
- 1 Springless flow path design — Eliminates source of metallic containments
- 1 Optional colour coding — Helps prevent accidental disconnects

Pressure

Vacuum to 120 PSI (8.3 bar)

Temperature

0°C to 49°C

Materials

Main Components: Glass-filled Polypropylene

Thumb latch: Glass-filled Polypropylene

Springs (non-wetted): 316 Stainless Steel

Seal Material: EPDM

To Fit Tubing Sizes

3/8" to 3/4" ID, 9.5mm to 19mm ID

Colour

Grey with dark grey accent as standard. Red or blue thumb latch available.

Quick Disconnects – Dry Breaks

General Purpose Couplings



HFC12 Series



The HFC12 Series couplings have flow comparable to many 1/2" flow couplings in a 3/8" body size. Compact and lightweight, HFC Couplings replace bulky and heavy brass ball and sleeve couplings in a wide range of applications. An ergonomic design and a large shrouded thumb latch pad produce a coupling that is easy to grip and simple to operate. An efficient valve design leads to high flow and low spillage.

Features and Benefits

- 1 High efficiency valve — More flow in compact size
- 1 Ergonomic design — Easy to grip, simple to operate
- 1 Polypropylene — Chemical resistant and Gamma sterilisable
- 1 Compatible — Mates with HFC35 and HFC57 couplings

Pressure

Vacuum to 60 PSI (4.2 bar)

Temperature

0°C to 71°C

Materials

Main Components and Valves:
Polypropylene

Thumb Latch: Polypropylene

Valve Spring (wetted): 316 Stainless Steel

Seal Material: EPDM

To Fit Tubing Sizes

3/8" to 3/4" ID, 9.5mm to 19.0mm ID

Colour

Grey with dark grey latch

HFC35 and HFC57 Series



The HFC35 Series Polysulfone couplings are able to withstand demanding applications and feature physical strength, chemical resistance and autoclavability.

The HFC57 Series Polysulfone couplings are UV resistant and are able to withstand continued exposure to harmful UV rays without affecting performance.

Both can operate in harsh environments. An ergonomic designed large shrouded thumb latch pad produces a coupling that is easy to grip and operate. An efficient valve design leads to high flow and exceptionally low spillage. Both Series also add bulkhead panel mount, garden hose thread and Hastelloy C spring option.

Features and Benefits

- 1 Polysulfone (HFC35) — Physically strong and autoclavable
- 1 UV Polysulfone (HFC57) — Physically strong and UV resistant
- 1 High efficiency valve — More flow, less spillage in a compact size
- 1 Ergonomic design — Easy to grip, simple to operate
- 1 Compatible — Mates with HFC12 couplings

Pressure

Vacuum to 125 PSI (8.6 bar)

Temperature

-40°C to 138°C

Materials

Main Components, Valves and Thumb Latch:-
HFC35: Polysulfone
HFC57: UV Polysulfone

Valve Spring: 316 Stainless Steel

Seal Material: EPDM

To Fit Tubing Sizes

3/8" to 3/4" ID, 9.5mm to 19.0mm ID

Colour

HFC35: Natural white, dark grey latch

HFC57: Black, black latch

Quick Disconnects – Dry Breaks

CleanBreak Dry Break Interchangeable Couplings

CleanBREAK

SHAND



Hose Unit



Tank Unit

CleanBreak Dry Break Couplings are an effective form of connection where exceptionally low spillage and air inclusion properties are required.

CleanBreak is totally manufactured in the UK by Shand Engineering.

We are proud to have exclusive representation in the United Kingdom and Eire for the CleanBreak range of Dry Break Couplings.

CleanBreak couplings have a wide range of applications. These would include handling dangerous toxic, valuable or unpleasant fluids, aircraft refuelling and bottom loading road and rail tankers, where minimum spillage is vital.

Max. Working Pressure

150 PSI (10 bar)

Materials

Aluminium, Brass and Stainless Steel

Size Range

1" to 4"

Thread and Flanged Options

BSP or NPT Female

Features

- 1 Connectable against internal pressures up to 60 PSI (4 bar)
- 1 High flow rates/low pressure drops
- 1 Optional selectivity to prevent cross coupling contamination
- 1 Environmentally friendly
- 1 Interchangeable with Todo and Mann-Tek and others conforming to TEAM spec

56mm Socket Range ¾" or 1" Nominal Bore

Applications

The 56mm 1" Dry Break Coupling is recommended for all types of mini bulk liquid product transfer, including container and drum filling or any application where product contamination and spillage needs to be minimised. Flow rates up to a maximum of **200 L/min.**

70mm Socket Range 1½" or 2" Nominal Bore

Applications

The 70mm 2" Dry Break Coupling is recommended for all types of mini bulk liquid product transfer, including container and drum filling or any application where product contamination and spillage needs to be minimised. Flow rates up to a maximum of **500 L/min.**

105mm Socket Range 2½" or 3" Nominal Bore

Applications

The 105mm 2½" Dry Break Coupling is recommended for road tanker bottom loading for a variety of fluids or any application where product contamination and spillage needs to be minimised. Flow rates up to a maximum of **1500 L/min.**

119mm Socket Range 3" Nominal Bore

Applications

The 119mm 3" Dry Break Coupling is recommended for similar applications to the 105mm range, but where higher loading rates are required. Especially in rail tankers, marine tankers and related activities or any application where product contamination and spillage needs to be minimised. Flow rates up to a maximum of **2000 L/min.**

164mm Socket Range 4" Nominal Bore

Applications

The 164mm 4" Dry Break Coupling is the largest coupling currently in the range. Extensively used for the loading and unloading of bulk petroleum tankers or any application where product contamination and spillage needs to be minimised. Flow rates up to a maximum of **3500 L/min.**

Quick Disconnects – Dry Breaks

CleanBreak Dry Break Interchangeable Couplings

CleanBREAK

SHAND

How it Works – The Coupling Function

Simple to operate

Push and turn – begins flow (open).

Turn and pull – stops flow (closed).

Time saving

Removes the need to drain hoses or pipe systems.

Economical

No spillage, or wastage of product.

Safe

Flow can only begin when the unit is coupled.

Environmentally friendly

Accidental spillage eliminated so no environmental contamination.

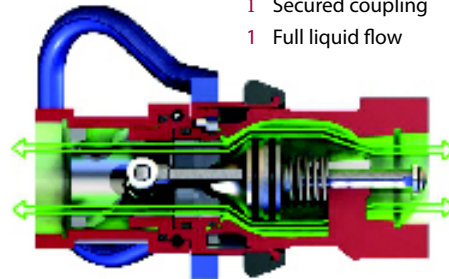
Reliability

Proven design, already widely used.

Connect (Push and turn)

1 Secured coupling

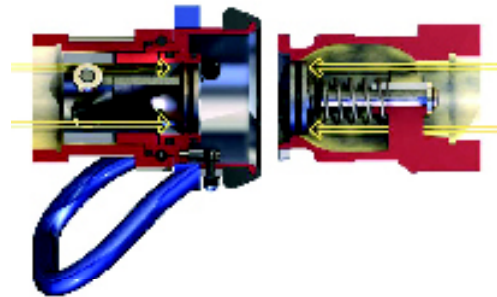
1 Full liquid flow



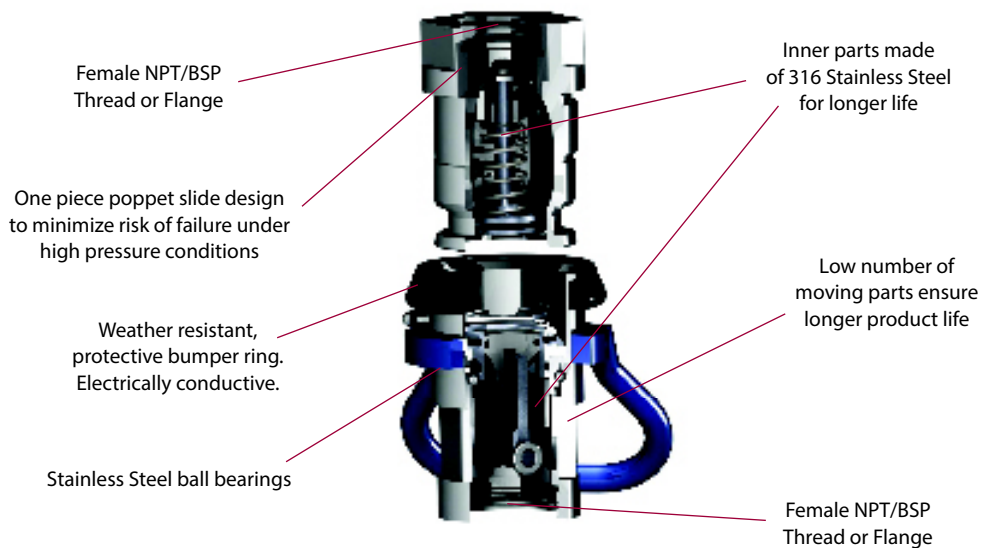
Disconnect (Turn and pull)

1 Flow stops

1 No spillage



Features



Product Information Summary



Pressure Specifications

Maximum allowable working pressure:
10 bar / 1000kPa

Test pressure: 15 bar / 1500kPa

Maximum coupling pressure:
4 bar / 400kPa

High Quality Materials

CleanBreaks are manufactured from Aluminium and 316 Stainless Steel. All internal parts are produced in 316 Stainless Steel.

Seal Materials

All Couplings come standard with Viton seals. Other types of seals are available on request such as Nitrile, Teflon, Neoprene, EPDM, Kalrez, Chemraz etc.

Optional Selectivity

It can be provided for the prevention of contamination due to incorrect connection and cross coupling.

Manufactured in accordance with TEAM Specifications

CleanBreaks have been tested in accordance with the TEAM standard and interchangeable with other Dry Breaks, manufactured to the same standard. It is also certified to CE specifications.

High Flow Rates – Low Pressure Drop

Size	Max Flow Rate
56mm	200 litres per minute
70mm	500 litres per minute
105mm	1,500 litres per minute
119mm	2,000 litres per minute
164mm	3,500 litres per minute
API	3,500 litres per minute

Ergonomically Designed Handles

For added strength, all handles are made from Carbon Steel tube.

Uncomplicated Design

To ensure ease of maintenance, all seals are easily accessible and replaceable.

Minimum Number of Moving Parts

A low number of moving parts ensure longer product life.

Low Spillage on Disconnection

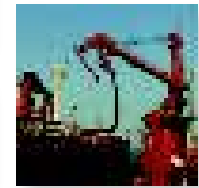
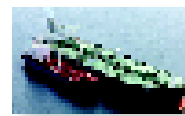
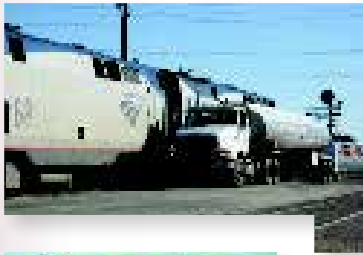
All CleanBreaks disconnect with a minimal spillage. Disconnect tests, conducted by independent laboratories, have determined that the spillage throughout the range is, on average, less than 1.3 millilitres per operation and well within the TEAM standards.

Quick Disconnects – Dry Breaks

Applications

CleanBREAK

SHAND



Industrial Applications

- 1 Bulk powder transfer (fine non-abrasive only)
- 1 Nuclear coolant
- 1 Aviation bunkering
- 1 Brewery finished products
- 1 Food feedstock
- 1 Pharmaceutical feedstock
- 1 Hazardous waste transfer
- 1 IBC container outlets
- 1 AdBlue®-DEF

Oil & Chemical Applications

- 1 Tanker top/bottom loading
- 1 Bunkering
- 1 Rail car outlets
- 1 Rail shore side loading
- 1 Paints & Inks
- 1 Product processing transfer
- 1 Rail locomotive fuelling
- 1 Chemical transfer
- 1 Petroleum transfer
- 1 Bulk loading/discharge
- 1 Loading arms
- 1 Exchange manifolds
- 1 Blending pits

Marine Applications

- 1 Ship to shore transfer
- 1 Ship to ship transfer
- 1 Ship to rig transfer
- 1 Wellhead material supply
- 1 Temporary vent lines
- 1 Ship manifold exchange
- 1 Marine refuelling

Quick Disconnects – Dry Breaks

C

CleanBreak Dry Break Interchangeable Couplings

CleanBREAK

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Size (mm)	Connections (in)	Threads	Working Pressure	Connectable Pressure	Flow Rate (L/min)	Standard Seal
56	¾ and 1	BSP or NPT	10 bar (145 PSI)	4 bar (58 PSI)	200	Viton
70	1½ and 2	BSP/NPT/Flanged	10 bar (145 PSI)	4 bar (58 PSI)	500	Viton
105	2½ and 3	BSP/NPT/Flanged	10 bar (145 PSI)	4 bar (58 PSI)	1500	Viton
119	3	BSP/NPT/Flanged	10 bar (145 PSI)	4 bar (58 PSI)	2000	Viton
164	4	BSP/NPT/Flanged	10 bar (145 PSI)	4 bar (58 PSI)	3000	Viton

Nominal Size		ALUMINIUM	STAINLESS STEEL
mm	ins	Code	Code
Hose Unit Female Thread BSP Coupler. For NPT, Add -NPT to code below			
56	1"	HU56MM10FV-C-A	HU56MM10FV-C-S
70	1½"	HU70MM15FV-C-A	HU70MM15FV-C-S
70	2"	HU70MM20FV-C-A	HU70MM20FV-C-S
105	2½"	HU105MM25FV-C-A	HU105MM25FV-C-S
105	3"	HU105MM30FV-C-A	HU105MM30FV-C-S
119	3"	HU119MM30FV-C-A	HU119MM30FV-C-S
164	4"	HU164MM40FV-C-A	HU164MM40FV-C-S
Tank Unit Female Thread BSP Coupler. For NPT, Add -NPT to code below			
56	1"	TU56MM10FV-C-A	TU56MM10FV-C-S
70	1½"	TU70MM15FV-C-A	TU70MM15FV-C-S
70	2"	TU70MM20FV-C-A	TU70MM20FV-C-S
105	2½"	TU105MM25FV-C-A	TU105MM25FV-C-S
105	3"	TU105MM30FV-C-A	TU105MM30FV-C-S
119	3"	TU119MM30FV-C-A	TU119MM30FV-C-S
164	4"	TU164MM40FV-C-A	TU164MM40FV-C-S
Flanged Tank Unit ASA150lb Adaptor			
105	2½"	TU105MM25A150V-C-A	TU105MM25A150V-C-S
119	3"	TU119MM30A150V-C-A	TU119MM30A150V-C-S

Nominal Size		HDPE	ALUMINIUM
mm	ins	Code	Code
Dust Cap			
56	1"	CAPTU56MM-C-H	CAPTU56MM-C-A
70	1½"	CAPTU70MM-C-H	CAPTU70MM-C-A
105	2"	CAPTU105MM-C-H	CAPTU105MM-C-A
119	3"	CAPTU119MM-C-H	CAPTU119MM-C-A
164	4"	CAPTU164MM-C-H	CAPTU164MM-C-A
Dust Plug			
56	1"	PLUGHU56MM-C-H	PLUGHU56MM-C-A
70	1½"	PLUGHU70MM-C-H	PLUGHU70MM-C-A
105	2"	PLUGHU105MM-C-H	PLUGHU105MM-C-A
119	3"	PLUGHU119MM-C-H	PLUGHU119MM-C-A
164	4"	PLUGHU164MM-C-H	PLUGHU164MM-C-A

Quick Disconnects – Dry Breaks

FULCRUM UK Dry Breaks



The Fulcrum range of Dry Break and API couplings have been acquired by SHAND Engineering Ltd, part of the Sturrock & Robson Group.

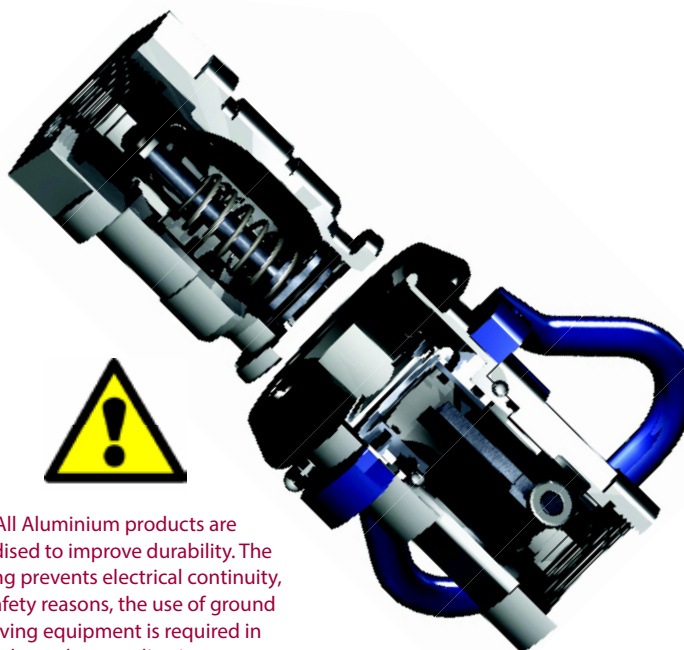
The newly manufactured range will be known as FULCRUM UK.

The design, manufacture and sale of these products have now been moved to the dedicated manufacturing facility in Stallingborough UK. This relocation was undertaken at great expense in order to have control of the production, and in doing so, be proud to have them associated with the Shand name, which is built on quality and innovation.

SHAND, a B.S.I. ISO 9001 quality accredited company, has manufactured hazardous product transfer equipment for more than 40 years.



SHAND offers a range of Dry Break couplings as well as A.P.I. standard couplings for a wide range of applications, including petrochemical, pharmaceutical, chemical, solvent and food. The Dry Break sizes range from 1" nominal bore up to 4" nominal bore and are available in Bronze, Aluminium and Stainless Steel. The coupling range, in its standard form, is equipped with Stainless Steel internal components and Viton seals.



All Aluminium products are anodised to improve durability. The coating prevents electrical continuity, for safety reasons, the use of ground proving equipment is required in hazardous applications.

Environmentally Friendly Products

Dry Break couplings permit quick connection and disconnection of fluid transfer hoses. The connection can be made under pressure with a minimum of product spillage.

This makes the transfer of hazardous chemicals and toxins safe for the operator as well as the environment. The spill free transfer reduces the risk of burns, fire hazards and other dangers associated with products spillage.



“FULCRUM UK Dry Break couplings are an effective form of connection where exceptionally low spillage and air inclusion properties are required”

Nominal Size		Aluminium	Stainless Steel
mm	Thread	Code	Code
Hose Unit Female BSP Coupler, For NPT, Add -NPT to code below			
56	1"	HU56MM10FV-AL	HU56MM10FV-SS
70	1.5"	HU70MM15FV-AL	HU70MM15FV-SS
70	2"	HU70MM20FV-AL	HU70MM20FV-SS
105	2.5"	HU105MM25FV-AL	HU105MM25FV-SS
105	3"	HU105MM30FV-AL	HU105MM30FV-SS
119	3"	HU119MM30FV-AL	HU119MM30FV-SS
164	4"	HU164MM40FV-AL	
Tank Unit Female BSP Adaptor, For NPT, Add -NPT to code below			
56	1"	TU56MM10FV-AL	TU56MM10FV-SS
70	1.5"	TU70MM15FV-AL	TU70MM15FV-SS
70	2"	TU70MM20FV-AL	TU70MM20FV-SS
105	2.5"	TU105MM25FV-AL	TU105MM25FV-SS
105	3"	TU105MM30FV-AL	TU105MM30FV-SS
119	3"	TU119MM30FV-AL	TU119MM30FV-SS
164	4"	TU164MM40FV-AL	
Flanged Tank Unit ASA150lb Adaptor			
105	2.5"	TU105MM25ASA150V-AL	TU105MM25ASA150V-SS
119	3"	TU119MM30ASA150V-AL	TU119MM30ASA150V-SS

Nominal Size		Aluminium	Rubber
mm		Code	Code
Dust Cap			
56			PLUGHU56MMN-NR
70			PLUGHU70MMN-NR
105		PLUGHU105MMV-AL	
119		PLUGHU119MMV-AL	
164		PLUGHU164MMV-AL	
Dust Plug			
56			CAPTU56MMN-NR
70		CAPTU70MMV-AL	
105		CAPTU105MMV-AL	
119		CAPTU119MMV-AL	

Features

- 1 Available in Aluminium and Stainless Steel
- 1 ¾" to 4" sizes
- 1 BSP or NPT Female threads and flanged options
- 1 Working Pressure 150 PSI (10 bar)
- 1 Connectable against internal pressures up to 60 PSI (4 bar)
- 1 High flow rates – Low pressure drops
- 1 Optional selectivity to prevent cross coupling contamination
- 1 Designed in accordance with TEAM Specifications and interchangeable with all leading Dry Break manufacturers

Applications

FULCRUM UK couplings have a wide range of applications, which include aircraft refuelling, bottom loading road and rail tankers, handling any dangerous, toxic or unpleasant fluids, where minimum spillage is essential because of environmental, health and safety and costs reasons.

How it Works

The coupling is connected by rotating the Hose Unit onto the Tank Unit. The rotary action forces the internal poppet of the Hose Unit forward, therefore opening the valve in the Tank Unit. Once coupled, transfer of the product is possible. On disconnection, both the Hose and Tank Unit valves close automatically and spill-free separation is accomplished.

Material and Seal Options

The standard materials are Aluminium and 316 Stainless Steel. They are all fitted with VITON seals as standard.

Optional seal materials are available, such as EPDM, Nitrile, Kalrez, etc.

Sizes

The coupling size is distinguished by the bore of the Hose Unit and the outside diameter of the Tank Unit.

The standard sizes are:

- 1 56mm (¾" & 1") Nominal Bore
- 1 70mm (1 ½" & 2") Nominal Bore
- 1 105mm (2 ½" & 3") Nominal Bore
- 1 119mm (3") Nominal Bore
- 1 164mm (4") Nominal Bore

Quick Disconnects – Dry Breaks

FULCRUM UK Dry Breaks



Hose Unit



56mm Socket Range 3/4" or 1" Nominal Bore

Specifications

The 56mm – 1" (25mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 56mm – 1" Dry Break coupling is recommended for all types of mini bulk liquid product transfer, including container and drum filling, or on any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **200 L/min.**

119mm Socket Range 3" Nominal Bore

Specifications

The 119mm – 3" (80mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including, petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 119mm Dry Break coupling is recommended for similar applications to the 105mm range, but where higher loading rates are required. Especially in rail tankers, marine tankers and related activities or on any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **2000 L/min.**

Tank Unit



70mm Socket Range 1 1/2" or 2" Nominal Bore

Specifications

The 70mm – 1 1/2" (40mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including: petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 70mm Dry Break coupling is recommended for all types of mini bulk liquid product transfer, including container and drum filling or any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **500 L/min.**

164mm Socket Range 4" Nominal Bore

Specifications

The 164mm – 4" (100mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including, petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 164mm – 4" Dry Break coupling is the largest coupling currently in the Fulcrum range. Extensively used for the loading and unloading of bulk petroleum tankers or any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **3500 L/min.**

105mm Socket Range 2 1/2" or 3" Nominal Bore

Specifications

The 105mm – 2 1/2" (65mm) nominal bore Dry Break Couplings are recommended for a wide range of applications including, petrochemical, pharmaceutical, chemical and solvent applications.

Uses

The 105mm Dry Break coupling is recommended for road tanker bottom loading for a variety of fluids or on any application where product contamination and spillage needs to be minimized. Flow rates up to a maximum of **1500 L/min.**

API 164 Hose and Tank Unit

Specifications

The Fulcrum F8600 – 100mm API adaptor was designed in accordance with API recommended practice RP1004 for use on bottom loading and discharge of road tanker. The adaptor will mate with any 100mm coupler manufactured to the same standard.

Uses

The 4" API Male Dry Break Coupling is exclusively recommended for bulk transfer at road tanker loading and off loading points. Recommended for loading up to **3500 L/min.**

Banjo Dry-Mate



“Operating Dry-Mate is simple.”

User Friendly

The handles interlock making it easy to identify which handle opens or closes first. No guessing is involved! The two Dry-Mate halves couple together with cam levers for positive engagement.

Design

Dry-Mate is designed for safe and easy spill free connections. The ‘double ball’ design allows maximum flow, while the cam lever style of connection is the most recognised coupling connector.

Features

- 1 Available in Stainless Steel and Polypropylene
- 1 Unrestricted flow
- 1 Minimal fluid spillage
- 1 Easy to use
- 1 Economical
- 1 Reduces risk of exposure
- 1 Wide range of chemical resistance*
- 1 Cannot be uncoupled in open position

*Not for low flash point liquids



This product is not recommended for use with gases



Male and Female shown coupled together

Lockable Yoke to Prevent Accidental Spills

Dry-Mate uses a ball valve design giving an unrestricted path for fluid flow. The handles on each half interlock, making it easy to identify which handle opens or closes first.

The cam lever style of connection is the most recognised type of connection available. This offers an easy, quick and positive connection of the coupling halves.

For safety the Dry-Mate has a number of features. Both handles have interlock buttons that prevent the ball valves from opening when the halves are separated. The Female part also has a locking yoke that locks the cam levers once the valve handle has been rotated to the open position.

The gasket, which seals between the two halves, is mechanically held in place to ensure that it remains located when the halves are disconnected.

Stainless Steel

Maximum Working Pressure: 100 PSI / 7 bar

Maximum Temperature: 148°C at 70 PSI

Material: 316 Stainless Steel

Seals: 100% PTFE ball seats and seals

Face seal (that between the two halves) Viton, EPDM (Kalrez® available as an option)

Size Range: 1", 1 1/2", and 2"

End Connection: BSP or NPT Female

Polypropylene

Maximum Working Pressure: 100 PSI / 7 bar

Maximum Temperature: 65°C at 70 PSI

Material: Fibreglass Reinforced Polypropylene

Seals: PTFE seats and Viton seals

Face seal (between the two halves) in Viton or EPDM (Kalrez® available as an option)

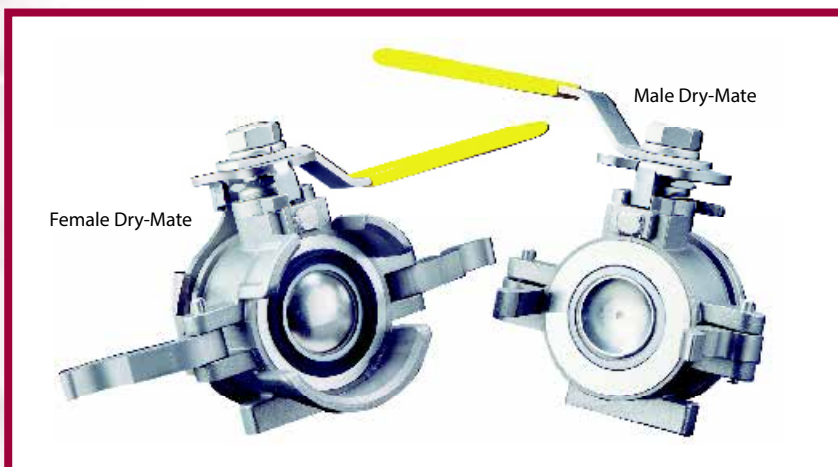
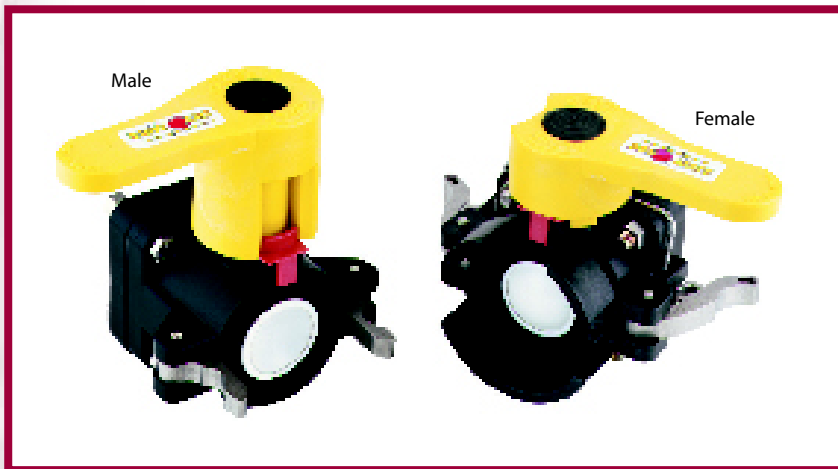
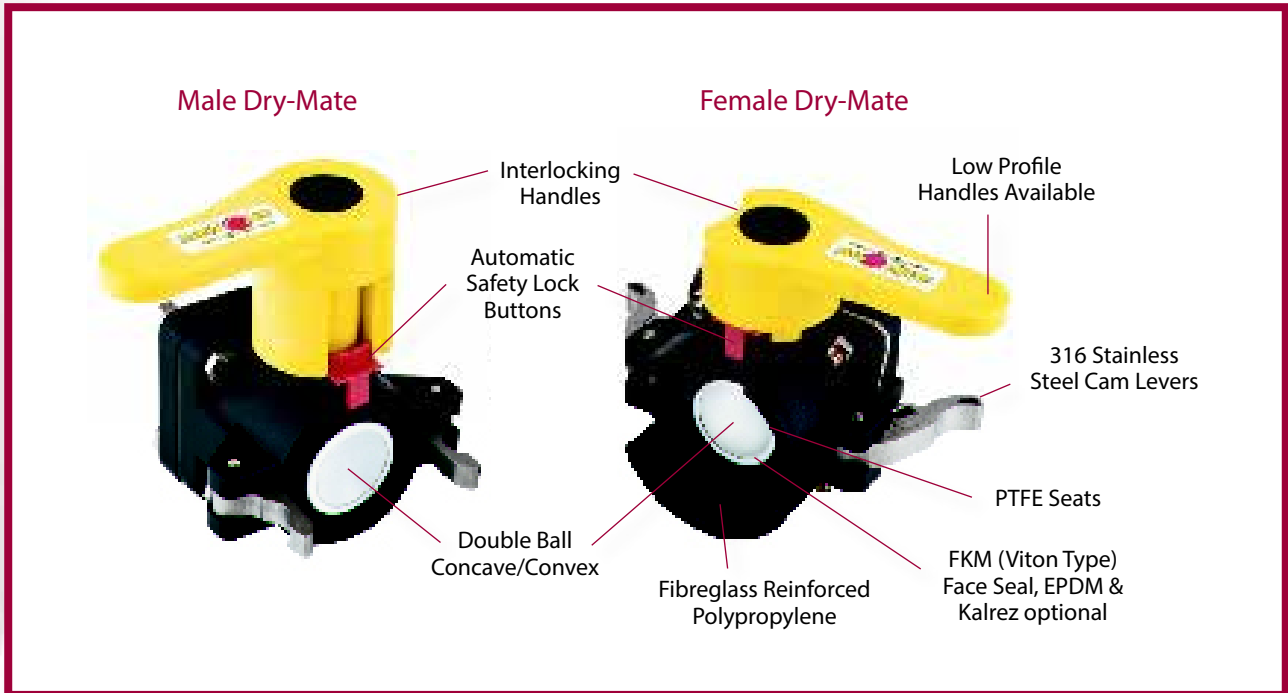
Size Range: 1 1/2" and 2"

End Connection: BSP or NPT Female

Nominal Size		STAINLESS STEEL		POLYPROPYLENE	
Ins	mm	Code	Wt - g	Code	Wt - g
Male Dry-Mate, For NPT, replace BSP with NPT to code below					
1	25	DMA100-SS-BSP	1000		
1 1/2	40	DMA150-SS-BSP	2700	DMA150-P-BSP	1200
2	50	DMA200-SS-BSP	2600	DMA200-P-BSP	1200
Female Dry-Mate, For NPT, replace BSP with NPT to code below					
1	25	DMD100-SS-BSP	1150		
1 1/2	40	DMD150-SS-BSP	3050	DMD150-P-BSP	1200
2	50	DMD200-SS-BSP	3000	DMD200-P-BSP	1200

Quick Disconnects – Dry Breaks

Banjo Dry-Mate



Quick Disconnects – Dry Breaks

RS DryDis



Material

Stainless Steel

Certifications

TUV

Working Pressure

16 bar standard, 25 bar on request

Sizes

DN 25-G 1" up to DN 100-G 4"

Potential Areas of Application

In all fields of industry



Technical Advantages

Easy handling, high leverage, lightweight, high serviceability, stream optimised stiff design cinematic components, lubricant free.

A coupling for applications where the need for minimum spillage/air inclusion is related to the maximum flow rate.

Extremely low spillage due to any moving parts being outside the flow movement.

Ideal for highly aggressive products.

Advantages of the Coupling

- 1 Easy handling through high transmission ratio
- 1 Self-locking when fully connected
- 1 Integrated swivel joint
- 1 Lightweight
- 1 Minimal maintenance

- 1 High grade of sealing and coupling materials

- 1 No spillage when disconnecting

- 1 Threads in accordance with ISO 228, others on request

Operating system not in the flow path

- 1 Improved flow

- 1 Excellent flushing

- 1 High reliability of the operating system

- 1 Rigid connection

Tapered valve face

- 1 Wear-resistant design

- 1 Pressure tight

Modern Technology for Rough Environments

The following criteria are important for the coupling process:

- 1 Easy handling and connection against hydrostatic pressure

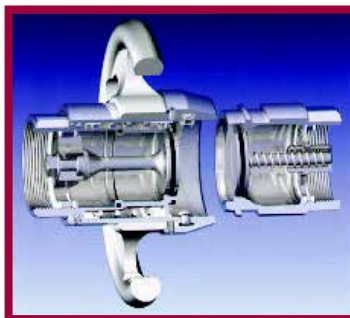
- 1 Lightweight

- 1 Reduction of overall filling time through high flow rate

DryDis couplings are optimised with regard to function and flow rate in order to meet these demands. You can use smaller couplings relative to the nominal diameter. This improves handling.

How it Functions

A rotation of the wheel starts the couple process. It pulls the tank unit into the hose unit. Helical slots transform the rotation of the wheel into the translational motion. The translational motion shifts both the valve face and the valve to open the coupling.



General

A serious problem with customary dry disconnect couplings is the fact that they are not truly dry. The goal, therefore, must be to minimize the spillage caused during the disconnection process.

DryDis coupling first blocks the flow or the medium without creating medium filled chambers.



Only then can the coupling be disconnected. Spillage is completely avoided by the action of the spring weighed valve in the tank unit, the movable jacket in the hose unit, as well as by the order of the movements for closing the valve and disconnecting.

Quick Disconnects – Dry Breaks

Maxi-Dry Disconnect Coupler



Coupler



Adaptor

- 1 Maxi-Dry coupler can be drained to minimize thermal expansion
- 1 Male and Female cannot be disconnected under pressure
- 1 All internal parts are Stainless Steel
- 1 Minimal spillage

Working Pressure
10 bar (147 PSI) .

Materials

Aluminium, Stainless Steel, Exotic Alloys.

Sizes

1 ½", 2" and 3".

Threads

BSP and NPT.

Seals

Buna, Viton, EPDM, Teflon, Chemraz and Kalrez.

Features

- 1 Higher pressure rating than competition
- 1 Interchangeable with competition
- 1 Padlock feature
- 1 Locking handle

Applications

Chemical transfer, blending operations, fuel and oil, tanker loading/unloading and general industrial.

Nominal Size Ins	STAINLESS STEEL			ALUMINIUM		BUNA Code	EPDM Code	VITON Code	TEFLON Code
	BUNA Code	EPDM Code	VITON Code	TEFLON Code					
Adaptor x Female									
1 ½"	MA150SS-B	MA150SS-E	MA150SS-V	MA150SS-T	MA150AL-B	MA150AL-E	MA150AL-V	MA150AL-T	
2"	MA200SS-B	MA200SS-E	MA200SS-V	MA200SS-T	MA200AL-B	MA200AL-E	MA200AL-V	MA200AL-T	
3"	MA300SS-B	MA300SS-E	MA300SS-V	MA300SS-T	MA300AL-B	MA300AL-E	MA300AL-V	MA300AL-T	
Coupler x Female									
1 ½"	MD150SS-B	MD150SS-E	MD150SS-V	MD150SS-T	MD150AL-B	MD150AL-E	MD150AL-V	MD150AL-T	
2"	MD200SS-B	MD200SS-E	MD200SS-V	MD200SS-T	MD200AL-B	MD200AL-E	MD200AL-V	MD200AL-T	
3"	MD300SS-B	MD300SS-E	MD300SS-V	MD300SS-T	MD300AL-B	MD300AL-E	MD300AL-V	MD300AL-T	

The above has a BSP thread as standard. For NPT, add the postfix -NPT.

Hose & Hose Assemblies

Introduction	74 – 75
PTFE Teflon	76 – 78
Food Transfer (Trelleborg)	79 – 81
Food Cleaning (Trelleborg)	82
Chemical & Petrochemical (Trelleborg)	83 – 84
Oil & Petroleum (Trelleborg)	85
Steam (Trelleborg)	86
Composite Hose	86
Pharmaceutical (Trelleborg)	87
Metallic Hose	87
Silicone Hose	87
Food Hose	88 – 90
Chemical Hose	91 – 92
Steam Hose	93
Air Hose	94
Water Hose	95
PVC Hose	96
Heat Resistant Sleeves	97 – 98
BioPharmaceutical Tubing	99 – 100



Hose & Hose Assemblies

Dry Link

pages 31-40



CleanBreak

pages 61-65



Chemical
Hose

pages 83-84
& 91-92

Snap-Tite

pages 41-48



PTFE Hose

pages 76-78

Pharmaceutical
Hose/Tubing

pages 87
& 99-100

Dry-Mate

pages 69-70



Food Transfer
Hose

pages 79-81
& 88-90



Hygienic

pages 102-104

SAFLOK

pages 8-9



Metallic Hose

page 87

Food Cleaning
Hose

pages 82 & 89

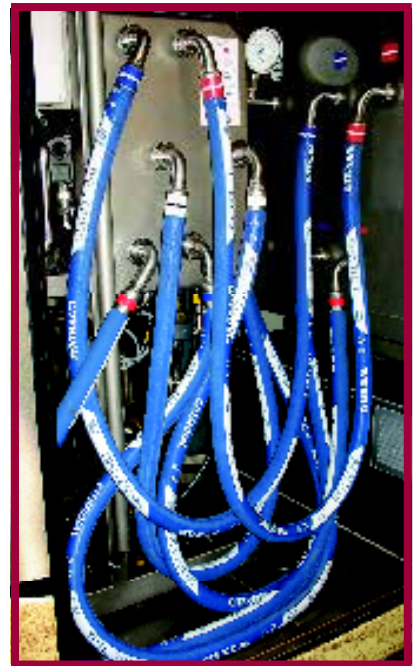


Hose & Hose Assemblies

ACTION-SEALTITE have over the years, built a reputation in the hose and coupling market for quality products and sound technical advice and support.

This expertise allied to the added portfolio of quality hose offerings to our product range now enables us to offer you, the customer, complete hose assemblies, fully tested and certificated, and/or loose hose to suit all applications.

If you are a manufacturer in the Pharmaceutical; Chemical; Petrochemical; Food & Beverage; Process and even General Industries, then why not talk to us at sales@actionsealtite.com or call 01235 512500 now.



Hose Assemblies & Specials

We have the expertise to design, brand, assemble, test and certificate any hose assembly to meet your specific requirements, ensuring the solution offered is the correct one for your application.

Technical & Installation Advice / Support

Sound technical advice for all the elements involved: the hose; the couplings; correct installation based on many years of experience and instructions and follow up at every stage.

On-site Advice

On-site visit, advice and consultancy to ensure the correct hose and fitting solution for the application.

On-site Hose Testing & Maintenance

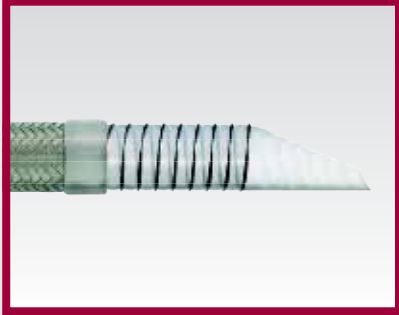
Hose and fitting survey to determine the condition of the hose assemblies in current use and make the appropriate recommendations for further action, if necessary, thus ensuring no future potential problems.

Why not talk to us at sales@actionsealtite.com or call 01235 512500 now.

Hose & Hose Assemblies

PTFE

Type TWFB1 – TAWFB1



Type TWFB1 SMOOTHFLEX smooth bore flexible Teflon® hose with Stainless Steel Helix and high tensile Stainless Steel braid.

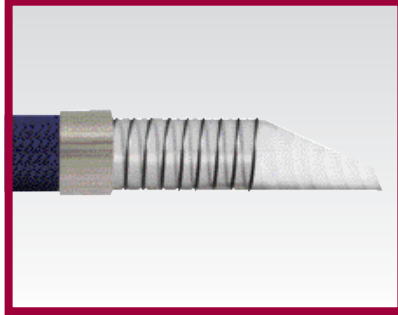
Construction

Ultra hygienic non-convoluted PTFE (Polytetrafluorethylene) liner with Stainless Steel Helix and AISI 304 high tensile, Stainless Steel braid. The hose has exceptionally good vacuum and kink resistance properties for extreme performance.

Temperature

-70°C to +260°C

Type TWFB6 – TAWFB6



Type TWFB6 SMOOTHFLEX smooth bore flexible Teflon® hose with a Stainless Steel Helix and a Polypropylene braid.

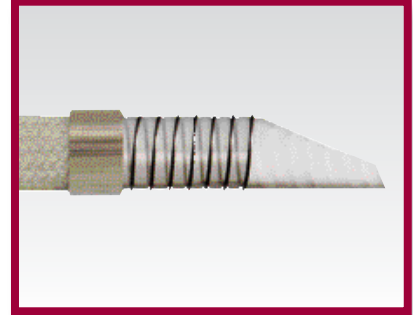
Construction

Ultra hygienic non-convoluted PTFE (Polytetrafluorethylene) liner with Stainless Steel Helix and AISI 304 high tensile, Polypropylene braid. The hose has exceptionally good vacuum and kink resistance properties for extreme performance.

Temperature

-70°C to +90°C

Type TWFB9 – TAWFB9



Type TWFB9 SMOOTHFLEX smooth bore flexible Teflon® hose with a Stainless Steel Helix and a PVDF (Kynar) braid.

Construction

Ultra hygienic non-convoluted PTFE (Polytetrafluorethylene) liner with Stainless Steel Helix and a PVDF yarn braid. The hose has exceptionally good vacuum and kink resistance properties for extreme performance.

Temperature

-70°C to +150°C

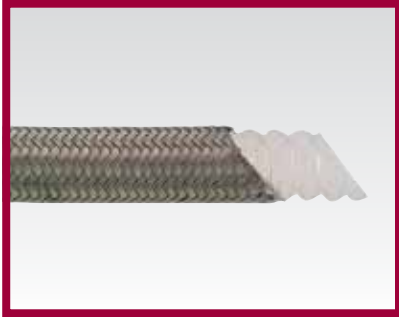
Smoothflex should be specified for applications where ultra hygienic non-convoluted hoses and maximum flexibility are important, e.g. Food, Bio, Pharmaceutical and Cosmetic Industries.

Nominal Size ins mm	STAINLESS STEEL BRAID				POLYPROPYLENE BRAID				PVDF BRAID			
	WP bar	BP 20°C	Virgin Code	Antistatic Code	WP bar	BP 20°C	Virgin Code	Antistatic Code	WP bar	BP 20°C	Virgin Code	Antistatic Code
½ 13	50	250	TWFB1012	TAWFB1012	10	40	TWFB6012	TAWFB6012	10	40	TWFB9012	TAWFB9012
⅝ 16	50	250	TWFB1016	TAWFB1016	10	40	TWFB6016	TAWFB6016	10	40	TWFB9016	TAWFB9016
¾ 19	60	290	TWFB1020	TAWFB1020	10	40	TWFB6020	TAWFB6020	10	40	TWFB9020	TAWFB9020
1 25	40	210	TWFB1025	TAWFB1025	10	40	TWFB6025	TAWFB6025	10	40	TWFB9025	TAWFB9025
1 ¼ 32	45	210	TWFB1032	TAWFB1032	10	40	TWFB6032	TAWFB6032	10	40	TWFB9032	TAWFB9032
1 ½ 40	40	175	TWFB1040	TAWFB1040	10	40	TWFB6040	TAWFB6040	10	40	TWFB9040	TAWFB9040
2 50	25	135	TWFB1050	TAWFB1050	10	40	TWFB6050	TAWFB6050	10	40	TWFB9050	TAWFB9050



Hose & Hose Assemblies

Type TCB1E – TCB1AE



Type TCB1E EASYCRIMP® convoluted Teflon® hose with Stainless Steel braid.

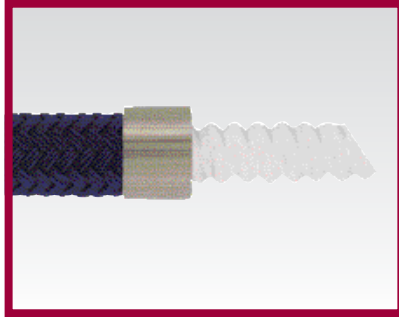
Construction

Low profile helically convoluted PTFE (Polytetrafluorethylene) liner with AISI 304 high tensile, Stainless Steel braid.

Temperature

-70°C to +260°C

Type TCB6E – TCB6AE



Type TCB6E EASYCRIMP® convoluted Teflon® hose with P.P. braid.

Construction

Low profile helically convoluted PTFE (Polytetrafluorethylene) liner with a P.P. braid.

Temperature

-70°C to +90°C

Type TCB8E – TCB1AE



Type TCB8E EASYCRIMP® convoluted Teflon® hose with Polyester braid.

Construction

Low profile helically convoluted PTFE (Polytetrafluorethylene) liner with a Polyester braid.

Temperature

-70°C to +150°C

Specially designed for tail fittings and assembly without de-convoluting the inner liner.

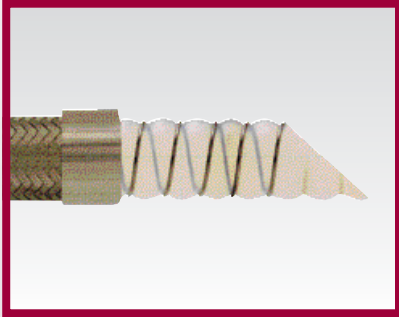
Nominal Size ins mm	STAINLESS STEEL BRAID			POLYPROPYLENE BRAID			POLYESTER BRAID					
	WP bar 20°C	BP	Virgin Code	Antistatic Code	WP bar 20°C	BP	Virgin Code	Antistatic Code	WP bar 20°C	BP	Virgin Code	Antistatic Code
¼ 6	172	517	TCB1E006	TCB1AE006	10	40	TCB6E006	TCB6AE006				
⅝ 8	155	465	TCB1E008	TCB1AE008	10	40	TCB6E008	TCB6AE008				
¾ 10	138	414	TCB1E010	TCB1AE010	10	40	TCB6E010	TCB6AE010	10	40	TCB8E010	TCB8AE010
½ 13	103	310	TCB1E012	TCB1AE012	10	40	TCB6E012	TCB6AE012				
⅝ 16	83	248	TCB1E016	TCB1AE016	10	40	TCB6E016	TCB6AE016				
¾ 19	69	207	TCB1E020	TCB1AE020	10	40	TCB6E020	TCB6AE020				
⅞ 22	57	172	TCB1E022	TCB1AE022	10	40	TCB6E022	TCB6AE022				
1 25	46	138	TCB1E025	TCB1AE025	10	40	TCB6E025	TCB6AE025				
1 ¼ 32	34	103	TCB1E032	TCB1AE032	10	40	TCB6E032	TCB6AE032				
1 ½ 40	30	90	TCB1E040	TCB1AE040	10	40	TCB6E040	TCB6AE040				
2 50	23	69	TCB1E050	TCB1AE050	10	40	TCB6E050	TCB6AE050				



Hose & Hose Assemblies

PTFE

Type TMCFB1 – TAMCFB1



Type TMCFB1 COREFLEX B1, convoluted Teflon® hose with vacuum wire and Stainless Steel braid – medium wall.

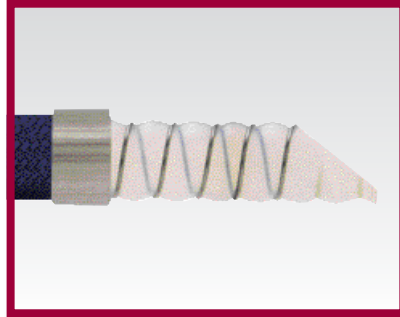
Construction

A helically convoluted PTFE (Polytetrafluorethylene) suction/pressure hose, medium wall, with external vacuum wire and high tensile Stainless Steel braid. The hose has very good vacuum and kink resistance.

Temperature

-70°C to +260°C

Type TMCFB6 – TAMCFB6



Type TMCFB6 COREFLEX B6, convoluted Teflon® hose with vacuum wire and Polypropylene braid – medium wall.

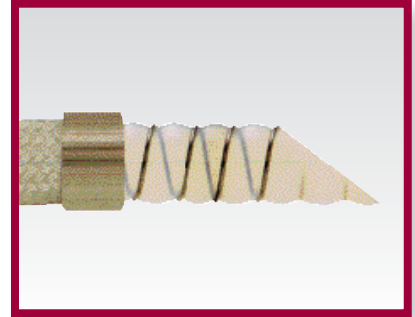
Construction

A helically convoluted PTFE (Polytetrafluorethylene) suction/pressure hose, medium wall, with external vacuum wire and Polypropylene braid. The hose has very good vacuum and kink resistance.

Temperature

-70°C to +90°C

Type TMCFB9 – TAMCFB9



Type TMCFB9 COREFLEX B9, convoluted Teflon® hose with vacuum wire and PVDF (Kynar) braid – medium wall.

Construction

A helically convoluted PTFE (Polytetrafluorethylene) suction/pressure hose, medium wall with external vacuum wire and PVDF (Kynar) braid. The hose has very good vacuum and kink resistance.

Temperature

-70°C to +150°C

Specially designed for high vacuum hose applications, excellent mechanical strength.

Nominal Size ins mm	STAINLESS STEEL BRAID				POLYPROPYLENE BRAID				PVDF BRAID			
	WP bar	BP 20°C	Virgin Code	Antistatic Code	WP bar	BP 20°C	Virgin Code	Antistatic Code	WP bar	BP 20°C	Virgin Code	Antistatic Code
½ 13	50	250	TMCFB1012	TAMCFB1012	10	40	TMCFB6012	TAMCFB6012	10	40	TMCFB9012	TAMCFB9012
⅝ 16	35	170	TMCFB1016	TAMCFB1016	10	40	TMCFB6016	TAMCFB6016	10	40	TMCFB9016	TAMCFB9016
¾ 19	60	290	TMCFB1020	TAMCFB1020	10	40	TMCFB6020	TAMCFB6020	10	40	TMCFB9020	TAMCFB9020
1 25	40	210	TMCFB1025	TAMCFB1025	10	40	TMCFB6025	TAMCFB6025	10	40	TMCFB9025	TAMCFB9025
1 ¼ 32	45	210	TMCFB1032	TAMCFB1032	10	40	TMCFB6032	TAMCFB6032	10	40	TMCFB9032	TAMCFB9032
1 ½ 40	40	175	TMCFB1040	TAMCFB1040	10	40	TMCFB6040	TAMCFB6040	10	40	TMCFB9040	TAMCFB9040
2 50	25	135	TMCFB1050	TAMCFB1050	10	40	TMCFB6050	TAMCFB6050	10	40	TMCFB9050	TAMCFB9050
2 ½ 65	14	60	TMCFB1065	TAMCFB1065	10	40	TMCFB6065	TAMCFB6065	10	40	TMCFB9065	TAMCFB9065
3 75	12	65	TMCFB1080	TAMCFB1080	10	40	TMCFB6080	TAMCFB6080	10	40	TMCFB9080	TAMCFB9080
4 100	10	40	TMCFB1100	TAMCFB1100								
6 150	5	25	TMCFB1150	TAMCFB1150								
8 200	5	25	TMCFB1200	TAMCFB1200								



Hose & Hose Assemblies

Food Transfer



Citerdial



Applications

For milk handling, tankers and processing.

Advantages

- 1 Extremely flexible, no kinking
- 1 Smooth seamless white tube that does not propagate bacterial growth and meets most European and USA regulations
- 1 Unaffected by changes in temperature
- 1 Resistant to cleaning with detergents or steam to max temp of 110°C
- 1 Non-marking abrasion resistant cover
- 1 Contains no Phthalate

Features

Inner Tube: Food grade NR, white, smooth

Reinforcement: Synthetic textile with Embedded Steel Helix

Cover: Weather and abrasion resistant NR, blue

Temperature Range: -30°C to +80°C

Sizes: From minimum ID of 25.0mm/OD of 36.0mm to Maximum ID of 150.0mm/OD of 171.5mm

Working Pressure: 6 bar

Bursting Pressure: 18 bar

Standard Approval:
EU regulation no. 1935/2004
and 2023/2006
FDA regulation no. 21 CFR 177.2600

Alikler



Applications

Suction and discharge of liquid food such as milk, beer, oil, fat, wine, cider, fruit juice and alcohol up to 96%. Suction on unloading. Processing equipment, filling plants and liquid food tankers.

Advantages

- 1 Extremely flexible, no kinking
- 1 Smooth seamless white tube that does not propagate bacterial growth and meets most European and USA regulations
- 1 Unaffected by changes in temperature
- 1 Resistant to cleaning with detergents to max temp of 90°C or steam to max temp of 130°C
- 1 Non-marking abrasion resistant cover
- 1 Contains no Phthalate

Features

Inner Tube: Food grade oil resistant NBR, white, smooth

Reinforcement: Synthetic textile with Embedded Steel Helix

Cover: Weather and abrasion resistant NR, blue

Temperature Range: -30°C to +100°C

Sizes: From minimum ID of 25.0mm/OD of 37.0mm to Maximum ID of 150.0mm/OD of 171.5mm

Working Pressure: 10 bar

Bursting Pressure: 30 bar

Standard Approval:
EU regulation no. 1935/2004
and 2023/2006
FDA regulation no. 21 CFR 177.2600

Lactadial



Applications

For milk collection equipment.

Advantages

- 1 Extremely flexible and light for ease of handling
- 1 Recovers its shape despite accidental 'squeeze'
- 1 Smooth seamless white tube that does not propagate bacterial growth and complies with the most stringent European and USA regulations
- 1 Unaffected by changes in temperature
- 1 Resistant to cleaning with detergents or steam to max temp of 110°C
- 1 Non-marking abrasion resistant cover
- 1 Contains no Phthalate

Features

Inner Tube: Food grade NR, white, smooth

Reinforcement: Synthetic textile with Embedded PET Helix

Cover: Weather and abrasion resistant NR, blue

Temperature Range: -30°C to +80°C

Sizes: From minimum ID of 51.0mm/OD of 64.5mm to maximum ID of 76.0mm/OD of 91.5mm

Working Pressure: 6 bar

Bursting Pressure: 18 bar

Standard Approval:
EU regulation no. 1935/2004
FDA regulation no. 21 CFR 177.2600

Hose & Hose Assemblies

Food Transfer



Millesime



Applications

Designed for additional air lines on road tankers carrying bulk products. Suction and discharge of liquid foodstuffs such as milk, wine, beer, cider, fruit juice, soda, vinegar and alcohol up to 96%.

Advantages

- 1 Extremely flexible
- 1 Resistant to cleaning with detergents or steam to max temp of 140°C
- 1 Smooth seamless white, food grade tube that does not propagate bacterial growth and meets most European and USA regulations
- 1 Cover with good ageing and weather resistance
- 1 Contains no Phthalate

Features

Inner Tube: Food grade EPDM, white, smooth

Reinforcement: Synthetic textile with Embedded Steel Helix

Cover: Weather and abrasion resistant EPDM, blue

Temperature Range: -30°C to +100°C

Sizes: From minimum ID of 25.0mm/ OD of 36.0mm to Maximum ID of 150.0mm/OD of 171.5mm

Working Pressure: 10 bar

Bursting Pressure: 30 bar

Standard Approval:
EU regulation no. 1935/2004
and 2023/2006
FDA regulation no. 21 CFR 177.2600

Alikler D



Applications

High pressure discharge of liquid food such as milk, beer, oil, fat, wine, cider, fruit juice and alcohol up to 96%. Suction on unloading. Processing equipment, filling plants and liquid food tankers.

Advantages

- 1 Memory recovers shape after accidental squeeze
- 1 Smooth seamless white, food grade tube that does not propagate bacterial growth and meets most European and USA regulations
- 1 Unaffected by changes in temperature
- 1 Resistant to cleaning with detergents or steam to max temp of 130°C
- 1 Non-marking abrasion resistant cover
- 1 Contains no Phthalate

Features

Inner Tube: Food grade oil resistant NBR, white, smooth

Reinforcement: Synthetic textile with Embedded Steel Helix

Cover: Oil and weather resistant NBR/ PVC, blue

Temperature Range: -30°C to +100°C

Sizes: From minimum ID of 32.0mm/ OD of 44.0mm to Maximum ID of 100.0mm/OD of 117.0mm

Working Pressure: 15 bar

Bursting Pressure: 40 bar

Standard Approval:
EU regulation no. 1935/2004
FDA regulation no. 21 CFR 177.2600

Hose & Hose Assemblies



Trellvin



Applications

Suction and discharge of liquid food such as milk, beer, oil, fat, wine, cider, fruit juice and alcohol up to 96%. Suction on unloading.

Advantages

- 1 Extremely flexible, no kinking
- 1 Smooth seamless white tube that does not propagate bacterial growth and meets most European and USA regulations
- 1 Memory recovers shape after accidental squeeze
- 1 Unaffected by changes in temperature
- 1 Resistant to cleaning with detergents or steam to max temp of 130°C
- 1 Non-marking abrasion resistant cover
- 1 Contains no Phthalate

Features

Inner Tube: Food grade EPDM white, smooth
 Reinforcement: Synthetic textile with PET Embedded Helix
 Cover: Weather and abrasion resistant EPDM, wine-red
 Temperature Range: -30°C to +100°C
 Sizes: From minimum ID of 38.0mm/OD of 50.0mm to Maximum ID of 75.0mm/OD of 88.0mm
 Working Pressure: 10 bar
 Bursting Pressure: 30 bar
 Standard Approval:
 EU regulation no. 1935/2004 and 2023/2006
 FDA regulation no. 21 CFR 177.2600

Trellvin L



Applications

Discharge of liquid food such as milk, beer, wine, cider, fruit juice and alcohol up to 96%. Designed for tanker transfer.

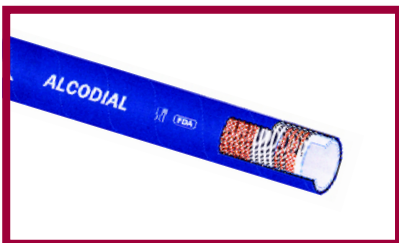
Advantages

- 1 Smooth seamless white tube that does not propagate bacterial growth and meets most European and USA regulations
- 1 Flexible and easy to handle despite large diameters
- 1 Unaffected by changes in temperature
- 1 Resistant to cleaning with detergents or steam to max temp of 130°C
- 1 Non-marking with good weather resistance
- 1 Contains no Phthalate

Features

Inner Tube: Food grade EPDM, white, smooth
 Reinforcement: Synthetic textile
 Cover: Weather resistant EPDM, wine-red
 Temperature Range: -30°C to +100°C
 Sizes: From minimum ID of 38.0mm/OD of 49.0mm to Maximum ID of 150.0mm/OD of 165.0mm
 Working Pressure: 10 bar
 Bursting Pressure: 30 bar
 Standard Approval:
 EU regulation no. 1935/2004
 FDA regulation no. 21 CFR 177.2600

Alcodial



Applications

Particularly adapted for alcohol transfer up to 99%. Suitable for all types of drinks. Designed for production plants and tankers.

Advantages

- 1 Extremely flexible, no kinking
- 1 UPE inner tube accepting alcohol temporary stagnation without risk of migration
- 1 Odourless and tasteless inner tube
- 1 Non-marking abrasion resistant cover
- 1 Contains no Phthalate

Features

Inner Tube: Food grade UPE, white, smooth

Reinforcement: Synthetic textile with Embedded Steel Helix

Cover: NR, blue

Temperature Range: -30°C to +80°C

Sizes: From minimum ID of 25.0mm/OD of 36.0mm to Maximum ID of 76.0mm/OD of 89.0mm

Working Pressure: 6 bar

Bursting Pressure: 18 bar

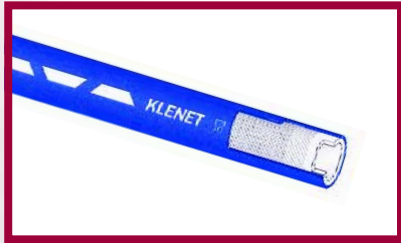
Standard Approval:
 EU regulation no. 1935/2004 and 2023/2006
 FDA regulation no. 21 CFR 177.1520

Hose & Hose Assemblies



Food Cleaning

Klenet



Applications

Floor washdown and hot water cleaning in food processing canneries, dairies, slaughterhouses, etc.

Advantages

- 1 Smooth for easy handling
- 1 Good resistance to high temperature
- 1 Excellent cover resistance to animal/vegetable grease
- 1 Contains no Phthalate

Features

Inner Tube: Food Grade and oil resistant NBR, white, smooth

Reinforcement: Synthetic textile

Cover: Oil and weather resistant NBR/PVC, blue

Temperature Range: -20°C to +95°C

Sizes: From minimum ID of 13.0mm/OD of 21.4mm to Maximum ID of 25.0mm/OD of 35.0mm

Working Pressure: 10 bar

Bursting Pressure: 30 bar

Standard Approval:

EU regulation no. 1935/2004 and 2023/2006

FDA regulation no. 21 CFR 177.2600

Bioclean



Applications

High pressure cleaning specifically for food industries.

Advantages

- 1 Extremely flexible
- 1 Food grade quality white inner tube, oil resistant
- 1 Red stripe branding for quick identification
- 1 Non-marking cover
- 1 Contains no Phthalate

Features

Inner Tube: Food grade and oil resistant NBR, white, smooth

Reinforcement: Synthetic textile

Cover: Oil and weather resistant NBR/PVC, blue

Temperature Range: -20°C to +100°C

Sizes: From minimum ID of 7.9mm/OD of 15.9mm to Maximum ID of 15.9mm/OD of 26.5mm

Working Pressure: 60 bar

Bursting Pressure: 180 bar

Standard Approval:

EU regulation no. 1935/2004 and 2023/2006

FDA regulation no. 21 CFR 177.2600

Biovast



Applications

For steam cleaning at temperatures up to +165°C and hot water washing in food processing plants. Transfer of hot liquid foodstuffs. Suitable for reel mounted applications.

Advantages

- 1 Extremely flexible
- 1 Food grade quality white inner tube, oil resistant
- 1 Excellent cover resistance to animal/vegetable grease
- 1 Non-staining cover
- 1 Contains no Phthalate

Features

Inner Tube: Food grade and oil resistant NBR, white, smooth

Reinforcement: Synthetic textile

Cover: Oil and weather resistant NBR/PVC, blue

Temperature Range: -20°C to +100°C

Sizes: From minimum ID of 13.0mm/OD of 23.0mm to Maximum ID of 25.0mm/OD of 37.0mm

Working Pressure (vapour): 6 bar

Working Pressure (water): 20 bar

Bursting Pressure: 60 bar

Standard Approval:

EU regulation no. 1935/2004 and 2023/2006

FDA regulation no. 21 CFR 177.2600

Hose & Hose Assemblies

Chemical & Petrochemical



Chemikler EPDM



Advantages

- 1 Excellent resistance to corrosion and abrasion
- 1 Very good mechanical strength
- 1 Can be steam cleaned

Features

Inner Tube: Chemical resistant EPDM, black, smooth

Reinforcement: Synthetic textile with Steel Embedded Helix

Cover: Chemical and weather resistant EPDM, black

Temperature Range: -40°C to +100°C

Sizes: From minimum ID of 19.0mm/ OD of 31.0mm to Maximum ID of 100.0mm/ OD of 116.0mm

Working Pressure: 16 bar

Bursting Pressure: 64 bar

Applications

Suction and discharge of moderately corrosive chemicals: ketones, alcohols and acids.

For unloading bays on road and rail tankers and cargo vessels.

Chemikler UPE



Advantages

- 1 Versatile hose for a wide range of chemicals
- 1 Hose construction gives excellent mechanical strength
- 1 Hose construction gives excellent bending radius
- 1 Inner tube compliant with FDA
- 1 Smooth inner tube for easier cleaning
- 1 Excellent resistance to ageing, atmospheric conditions, ozone, abrasion and chemicals cover

Features

Inner Tube: UPE (ultra high molecular weight polyethylene), black, smooth

Reinforcement: Synthetic textile with Steel Embedded Helix

Cover: Chemical and weather resistant EPDM, black

Temperature Range: -40°C to +100°C

Sizes: From minimum ID of 19.0mm/ OD of 31.0mm to Maximum ID of 100.0mm/ OD of 116.0mm

Working Pressure: 16 bar

Bursting Pressure: 64 bar

Applications

Suction and discharge of most corrosive chemicals, acids, solvents (chlorinated or oxygenised), aromatic hydrocarbons.

For unloading bays, mobile and fixed installations in chemical plants.

Chemikler D-UPE



Advantages

- 1 Versatile hose for a wide range of chemicals
- 1 Hose construction gives excellent mechanical strength
- 1 Inner tube compliant with FDA
- 1 Smooth inner tube for easier cleaning
- 1 Excellent resistance to ageing, atmospheric conditions, ozone, abrasion and chemicals cover

Features

Inner Tube: UPE (ultra high molecular weight polyethylene), black, smooth

Reinforcement: Synthetic textile

Cover: Chemical and weather resistant EPDM, black

Temperature Range: -40°C to +100°C

Sizes: From minimum ID of 13.0mm/ OD of 23.0mm to Maximum ID of 19.0mm/ OD of 31.0mm

Working Pressure: 16 bar

Bursting Pressure: 64 bar

Applications

Discharge of most corrosive chemicals, acids, solvents (chlorinated or oxygenised), aromatic hydrocarbons.

For unloading bays, mobile and fixed installations in chemical plants.

Hose & Hose Assemblies

Chemical & Petrochemical



Chemikler FEP



Applications

Suction and discharge of most corrosive chemicals.

For road and rail tankers, unloading bays, mobile and fixed installations in chemical, pharmaceutical and associated industries.

Advantages

- 1 Products are not spoilt (kept clear and pure)
- 1 Smooth inner tube for maximum flow and easier cleaning
- 1 Hose construction gives excellent bending radius
- 1 Abrasion and chemical resistant cover
- 1 Electrical conductivity ensured by the cover

Features

Inner Tube: Chemical resistant FEP (Fluorinated Ethylene Propylene), white, smooth

Reinforcement: Synthetic textile with Steel Embedded Helix

Cover: Chemical and weather resistant EPDM, black

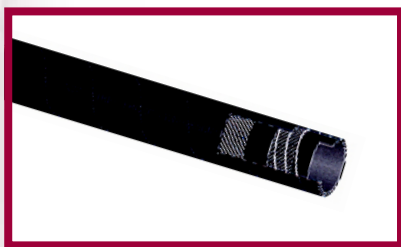
Temperature Range: -40°C to +150°C

Sizes: From minimum ID of 19.0mm/ OD of 31.0mm to Maximum ID of 100.0mm/ OD of 116.0mm

Working Pressure: 16 bar

Bursting Pressure: 64 bar

Transacid



Applications

Suction and discharge of most corrosive chemicals, acids, solvents (chlorinated or oxygenised), aromatic hydrocarbons.

For road and rail tankers, unloading bays, mobile and fixed installations in chemical works and associated industries.

Advantages

- 1 Versatile hose for a wide range of chemicals
- 1 Hose construction gives excellent bending radius
- 1 Smooth inner tube for easier cleaning
- 1 Conductive UPE tube
- 1 Excellent resistance to ageing, atmospheric conditions, ozone, abrasion and chemicals

Features

Inner Tube: UPE (ultra high molecular weight polyethylene), black, smooth

Reinforcement: Synthetic textile with Steel Embedded Helix

Cover: Chemical and weather resistant EPDM, black

Temperature Range: -30°C to +100°C

Sizes: From minimum ID of 25.0mm/ OD of 35.0mm to Maximum ID of 100.0mm/ OD of 114.0mm

Working Pressure: 10 bar

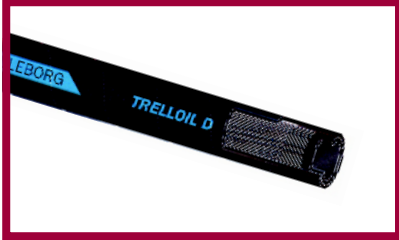
Bursting Pressure: 40 bar

Hose & Hose Assemblies

Oil & Petroleum



Trelloil D



Applications

Multi-purpose hose especially designed for petrol, oil and petrochemical products (with aromatic content up to 50%).

Advantages

- 1 Extremely flexible
- 1 Good cold flexibility
- 1 Excellent cover resistance to petroleum products and weather conditions
- 1 Dissipation of static electricity ensured by contact of built-in wire with the coupling

Features

Inner Tube: Oil and petrol resistant NBR, black, smooth

Reinforcement: Synthetic textile

Cover: Oil and weather resistant SBR/ NBR, black

Temperature Range: -30°C to +80°C

Sizes: From minimum ID of 30.0mm/ OD of 41.0mm to Maximum ID of 100.0mm/ OD of 115.0mm

Working Pressure: 10 bar

Bursting Pressure: 40 bar

Pumpadukt D



Applications

Discharge of petroleum products, including applications on reels.

Road tanker equipment for delivery of petroleum products (with aromatic content up to 50%).

Advantages

- 1 Excellent cover resistance to petroleum products and weather conditions
- 1 Electrical conductivity ensured by tube compound

Features

Inner Tube: Oil and petrol resistant NBR, black, smooth

Reinforcement: Synthetic textile

Cover: Oil and weather resistant CR, black

Temperature Range: -40°C to +100°C

Sizes: From minimum ID of 19.0mm/ OD of 31.0mm to Maximum ID of 100.0mm/ OD of 116.0mm

Working Pressure: 16 bar

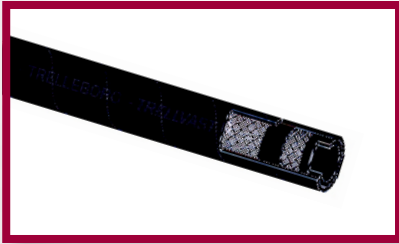
Bursting Pressure: 64 bar

Hose & Hose Assemblies



Steam

Trellvast



Applications

For heavy duty industrial steam cleaning and circulation of saturated or superheated steam at temperatures up to +164°C.

Advantages

- 1 Flexible textile reinforced steam hose
- 1 Resistant to abrasion and atmospheric conditions

Features

Inner Tube: EPDM for ID ≤ 25mm, SBR for ID > 25mm, black, smooth

Reinforcement: Synthetic textile

Cover: ID ≤ 25mm EPDM, ID > 25mm SBR black

Temperature Range:

Water: -40°C to +120°C, WP = 20 bar;
Saturated steam: +164°C

Sizes: From minimum ID of 9.5mm/
OD of 21.5mm to Maximum ID of 60.0mm/
OD of 77.50mm

Working Pressure: 6 bar

Bursting Pressure: 60 bar

Standard Approval:

EN ISO 6134 type 1 A up to ID 25.0mm

Petrovast



Applications

For heavy duty industrial cleaning and circulation of saturated and superheated steam in heating systems. Use in the petrochemical, building, shipyard and chemical industries.

Advantages

- 1 Multi-purpose hose
- 1 Highly flexible
- 1 Very high temperature resistance
- 1 Chemical resistant
- 1 Durable and safe performance
- 1 Smooth cover

Features

Inner Tube: EPDM, black, smooth

Reinforcement: Steel textile

Cover: EPDM, black

Temperature Range:

Water: -40°C to +120°C, WP = 60 bar
Saturated steam: +210°C/18 bar
Superheated steam: +230°C/18 bar

Sizes: From minimum ID of 9.5mm/
OD of 21.5mm to Maximum ID of 51mm/
OD of 69mm

Working Pressure:

Steam: 18 bar

Water: 60 bar

Bursting Pressure: 180 bar

Standard Approval: ISO 6134 type 2, class A

Composite Hose

Composite Hose



Applications

Can be used for road tanker loading and off-loading in plant applications where a robust flexible hose is required with a proven safety record.

Composite hoses are designed for suction and discharge of a wide range of chemicals and acids, alkalis and much more.

Features

Construction: Polypropylene or PTFE film layers with a protective weatherproof outer cover reinforced with internal and external wires.

Polypropylene lined hose comes with a Polypropylene coated inner wire and a galvanised outer.

PTFE lined hose is supplied with Stainless Steel and galvanised inner and external wire configurations.

Swaged on end fittings ensure a permanent connection.

Description	Size	Max Pressure	Temperature
Polypropylene Lined Hose	1" to 4"	14.0 bar (200 PSI)	-30°C to +80°C
PTFE Lined Hose	1" to 4"	14.0 bar (200 PSI)	-30°C to +115°C

Also available are lightweight and standard duty petroleum composites and ship to shore composites.

Hose & Hose Assemblies

Pharmaceutical Hose

Pharmakler FEP



Applications

For unloading bays, mobile and fixed installations in fine food, chemical, pharmaceutical and cosmetic industries.

Suction and discharge of most corrosive chemicals, fuels, solvents, and oils.

Advantages

- 1 Products are not spoilt (kept clear and pure)
- 1 Inner tube compliant with FDA and USP Class VI
- 1 Smooth inner tube for maximum flow and easier cleaning
- 1 Hose construction gives excellent bending radius
- 1 Non-staining cover with excellent resistance to ageing, atmospheric conditions, ozone, abrasion and chemicals
- 1 OD sizes compatible with half-shell clamps

Features

Inner Tube: Chemical resistant FEP (Fluorinated Ethylene Propylene), white, smooth

Reinforcement: Synthetic textile with Steel Embedded Helix

Cover: Chemical and weather resistant EPDM, green

Temperature Range: -40°C to +150°C

Sizes: From minimum ID of 19.0mm/ OD of 31.0mm to Maximum ID of 50.0mm/ OD of 65.5mm

Working Pressure: 10 bar

Bursting Pressure: 40 bar



Metallic Hose

Corrugated Flexible Metal



Applications

This hose is suitable for conveying all types of liquid and gases with extreme low and high temperature requirements.

Advantages

- 1 High physical strength
- 1 A long usage life
- 1 Good corrosion characteristics
- 1 ISO 10380 means flexibility making it good for static installations or even where there is constant flexing in the application.

Features

Description: Corrugated Stainless Steel braided pressure hose, to ISO 10380 specification

Temperature Range: To 600°C or in cryogenics applications, to -200°C

Sizes: ID from 6mm to 250mm

Working Pressure: @21°C from 167 bar @6mm ID to 9.6 bar @250mm ID

Silicone Hose



Applications

Hygienic Silicone hose is suitable for applications in the food, medical, pharmaceutical, beverage and dairy industries.

Manufactured from high purity Platinum-cured Silicone, available as tubing, braid reinforced or with 4 ply Polyester reinforcement and 316 L Stainless Steel Helix and offers excellent flexibility and high standards of operational cleanliness.

Features

- 1 Complies with FDA 21CFR177.2600 & USP and EP approved
- 1 Extruded ultra smooth seamless liner
- 1 Working temperature -60°C to 200°C
- 1 4 ply Polyester reinforcement
- 1 Working pressure, full vacuum up to 10 bar (up to 2" NB)
- 1 Available in sizes 1/2" - 4"
- 1 Platinum-cured
- 1 316 SS Helix wire
- 1 Textile reinforced and tube only Silicone hose also available
- 1 Safety factor: 4:1

Hose & Hose Assemblies

Food Hose

Potable Water/Brewers' Carbon Free Hose



Suitable for conveying potable water, beer and general foodstuffs including dairy produce.

A premium quality, mandrel built, potable water/brewers' hose, whose liner is manufactured from FDA approved Rubber compounds.

Also used for cable cover protection or as a cable coolant hose on electrical furnaces in the iron and steel industry.

- 1 Temperature range: -20°C to +70°C
- 1 Standard length: 40m
- 1 Construction:
Lining, white FDA approved EPDM Rubber
Cover, cloth finish orange EPDM Rubber

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
13	25	10.3	150	31	450
19	31	10.3	150	31	450
25	37	10.3	150	31	450
32	46	10.3	150	31	450
38	52	10.3	150	31	450
51	67	10.3	150	31	450

All pressure ratings quoted at ambient temperature

Aquavend Food Quality Vending Hose



Made from cadmium free materials, offering good flexibility and resistant to a wide range of chemicals.

Good flexibility, Silicone free, good abrasive resistance, good kink resistance, mirror smooth inner for improved flow.

Braided with Polyester fibre, extruded with brilliant white finish, will not support microbiological growth.

- 1 Temperature range: -40°C to +70°C
- 1 WRAS approvals: 9912053 & 9912054
- 1 Standard length: 30m
- 1 Construction:
Lining, WRAS approved Polyester Elastomer
Cover, food quality white PVC

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
6.3	12	10	145	80	1160
10	16	10	145	60	870
12.5	19	10	145	44	638
19	26	10	145	39	565
25	33	10	145	30	435
38	48	7	100	21	300
50	62	7	100	21	300

All pressure ratings quoted at ambient temperature

Hose & Hose Assemblies

Thermoclean 100 Hot Water Hose



Industrial cleaning hose, four layer food quality with blue outer cover non-staining and high resistance Polyester reinforcement.

Intermediate layer special adhesion, white inner layer with continuous use at 100°C.

- 1 Temperature range: -15°C to +100°C
- 1 Standard length: 20m
- 1 Construction:
Lining, white food grade Polyester
Cover, smooth blue PVC non-marking

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
13	22	20	290	60	870
16	25	20	290	60	870
19	28	20	290	60	870
25	35	20	290	60	870
All pressure ratings quoted at ambient temperature					

Hot Water Food and Steam Hose



Specifically designed for handling hot and cold water, steam, foodstuffs, beverages and dairy products in dairies, breweries and abattoirs.

Blue non-marking cover with white Rubber lining, manufactured using FDA approved Rubber compounds.

- 1 Standard length: 40m
- 1 Construction:
Lining, white FDA approved
EPDM Rubber
Cover, cloth finish blue
EPDM Rubber

- 1 Temperature range:
For steam, the maximum temperature is 140°C for 100 PSI working pressure.
For hot water, 70°C to 95°C, the working pressure is 250 PSI.

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
13	24	6.9	100	69	1000
16	28	6.9	100	69	1000
19	31	6.9	100	69	1000
25	38	6.9	100	69	1000
All pressure ratings quoted at ambient temperature					

Hose & Hose Assemblies

Food Hose

Vac-Extreme



Ideal for the suction and delivery of granular and abrasive media due to its abrasion resistant 0.4mm thick food quality Polyester Polyurethane lining, which is perfectly smooth for optimum flow and wear characteristics.

Also features 9 strand copper wire, which when earthed correctly, dissipates any build up of static electricity.

PU Liner is made from FDA/BGA approved materials, making it suitable for food and pharmaceutical industries.

- 1 Temperature range: -15°C to +65°C
- 1 Standard length: 30m
- 1 Construction:
Lining, food grade Polyester PU
Cover, clear PVC/grey PVC spiral/
copper wire

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)	Vacuum (mm Hg)	Bend Radius (mm Hg)
51		6.5	94.2	19.5	282.7	515	229.5
76		4	58	12	174	515	418
102		3.5	50.7	10.5	152.2	515	561
127		2	29	6	87	515	698.5
152		2	29	6	87	515	836

All pressure ratings quoted at ambient temperature

FDA Milk Suction and Discharge Hose



Suction and delivery hose for milk, fatty products, animal and vegetable oils. For applications in dairies, food processing and breweries.

Corrugated outer cover for maximum flexibility. Liner manufactured using FDA approved ingredients.

Must be cleaned before and after use.

- 1 Temperature range: -25°C to +80°C
- 1 Standard length: 40m
- 1 Construction:
Lining, white FDA approved
NBR Rubber
Cover, cloth finish blue Nitrile Rubber

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)	Bend Radius (mm Hg)
38	50	10	145	46	667	266
51	63	10	145	35	507.5	357
63	78	10	145	32	464	441
76	90	10	145	30	435	532
102	118	10	145	32	464	714

All pressure ratings quoted at ambient temperature

Hose & Hose Assemblies

Chemical Hose

Chemical Suction and Discharge Hose EN 12115 UHMWPE



Suitable for a wide range of chemicals.

Conforms to EN 12115.

Please refer to chemical charts for suitability of chemicals, solvents and acids.

Ultra high molecular polyethylene smooth bore and EPDM cover with high tensile Steel Wire Helix.

It is recommended to use DIN 14 420-5 smooth Hose Tails and Aluminium safety clamps with this hose.

- 1 Temperature range: -30°C to +65°C
- 1 Standard length: Cut to size
- 1 Construction:
Lining, food grade UHMWPE
Cover, cloth finish green EPDM Rubber

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)	Bend Radius (mm Hg)
19	31	16	232	50	725	133
25	37	16	232	65	942.5	175
32	44	16	232	53	768.5	224
38	51	16	232	51	739.5	266
51	66	16	232	60	870	357
63	79	16	232	50	725	441
76	92	16	232	54	783	532
102	118	16	232	55	797.5	714

All pressure ratings quoted at ambient temperature

Antistatic Multi-Purpose Hose



Suitable for delivery applications of ASTM mineral and hydraulic oils, diesel, kerosene, air, water and nitrogen.

Black Nitrile Rubber cover and made from antistatic Rubber compound with a surface resistance $\leq 10^6 \Omega$

Excellent resistance to oils, grease and hydrocarbons not exceeding 40% aromatic content.

- 1 Temperature range: -25°C to +70°C
- 1 Standard length: 100m
- 1 Construction:
Lining, Nitrile Rubber (NBR) antistatic
Cover, smooth black CR/NBR Rubber

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
6	13	10	145	30	435
8	15	10	145	30	435
10	17	10	145	30	435
13	20	10	145	30	435
19	29	10	145	30	435
25	35	10	145	30	435

All pressure ratings quoted at ambient temperature

Hose & Hose Assemblies

Chemical Hose

Technobel Black Multi-Purpose PVC Hose



Suitable for conveying a range of aggressive and corrosive chemicals, including paints, inks, glues, varnishes as well as air and water.

A heavy duty multi-purpose reinforced flexible PVC hose with a UV and abrasion resistant PVC cover.

- 1 Temperature range: -10°C to +80°C
- 1 Standard length: 50m
- 1 Construction:
Lining, Polyester Elastomer
Cover, black PVC

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
12.7	19.5	20	290	60	870
19	27.5	20	290	60	870
25	34.5	18	261	55	798

All pressure ratings quoted at ambient temperature

Mandrel Built Oil Suction and Discharge Hose



Suction and delivery hose, suitable for petroleum products with aromatic content up to 50%.

A robust, highly flexible smooth bore Rubber oil suction and delivery hose with excellent resistance to external abrasion.

- 1 Temperature range: -20°C to +70°C
- 1 Standard length: 40m
- 1 Construction:
Lining, black Nitrile (NBR) Rubber
Cover, cloth finish black CR Rubber

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)	Vacuum (mm Hg)
25	35	10.3	150	31	450	700
32	42	10.3	150	31	450	700
38	48	10.3	150	31	450	700
51	61	10.3	150	31	450	700
76	87	10.3	150	31	450	700
102	114	10.3	150	31	450	700

All pressure ratings quoted at ambient temperature

Hose & Hose Assemblies

Steam Hose

Red Steam Hose EN6134



Superheated steam applications for high pressure cleaning and sterilising, fire snuffing and pipe defrosting.

Red Rubber steam hose suitable for a working pressure of 18 bar relating to a temperature of 210°C.

Fully compliant with EN ISO 6134:2005 Type 2 Class A for high pressure superheated steam applications.

Mandrel built and multi-wire strand reinforcement. Features antistatic wires to enable conductivity when correctly assembled and pin pricked cover.

- 1 Temperature range: -20°C to +210°C (pressure dependent)
- 1 Standard length: 40m
- 1 Construction:
Lining, EPDM Rubber
Cover, cloth finish red CR Rubber

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
13	25	18	261	180	2610
19	33	18	261	180	2610
25	40	18	261	180	2610
32	48	18	261	180	2610
38	54	18	261	180	2610
51	69	18	261	180	2610
All pressure ratings quoted at ambient temperature					

Black Steam Hose EN6134



Wet steam applications for high pressure cleaning and sterilising.

Black Rubber steam hose, suitable for a working pressure of 6 bar relating to a temperature of 164°C.

Fully compliant with EN ISO 6134:2005 Type 1 Class A for low pressure saturated steam applications.

Mandrel built and multi-wire strand reinforcement. Features antistatic wires to enable conductivity when correctly assembled and pin pricked cover.

- 1 Temperature range: -20°C to +164°C (pressure dependent)
- 1 Standard length: 40m
- 1 Construction:
Lining, EPDM Rubber
Cover, cloth finish black CR Rubber

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
13	25	6	87	60	870
19	33	6	87	60	870
25	40	6	87	60	870
All pressure ratings quoted at ambient temperature					

Hose & Hose Assemblies

Air Hose

Lightweight Reinforced Blue PVC Hose



Ideal for pneumatic/air tool applications due to very light weight.

Extremely flexible and kink resistant. Blue PVC hose, which conforms to BS 6066 and ISO 5774.

- 1 Temperature range: -15°C to +60°C
- 1 Standard length: 30m
- 1 Construction:
Lining, food quality black PVC
Cover, food quality blue PVC

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
6	10.5	17.9	260	53.8	780
8	12.5	15.2	220	45.5	660
10	14	13.1	190	39.3	570
12	17	11.0	160	33.1	480

All pressure ratings quoted at ambient temperature

Super Nobelair Soft Air Hose



Extremely high flexible hose for compressed air.

Three layer hose, in PVC extra flexible, with high resistant Polyester fibre reinforcement.

- 1 Temperature range: -20°C to +60°C
- 1 Standard length: 25m
- 1 Construction:
Lining, black PVC
Cover, extra soft blue PVC

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
6.3	11	15	217	60	870
8	13	15	217	60	870
9	14.5	15	217	60	870
10	15.5	15	217	60	870
12.7	19	15	217	60	870
16	23	15	217	60	870
19	26.5	15	217	60	870
25	33.5	15	217	60	870

All pressure ratings quoted at ambient temperature

Hose & Hose Assemblies

Water Hose

Mandrel Built Black Air/Water Hose



Suitable for airlines or compressors and also for the delivery of water and water based slurries in general industrial, civil engineering and agricultural uses.

Constructed to BS 5118 Part 2 specification, making the hose suitable for heavy duty air applications, such as compressors. Also complies with EN 2398 Type 4A.

- 1 Temperature range: -20°C to +70°C
- 1 Standard length: 40m
- 1 Construction:
Lining, oil mist resistant SBR Rubber
Cover, cloth finish black
SBR/EPDM Rubber

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)
13	22	21	300	62.1	900
19	28	21	300	62.1	900
25	35	21	300	62.1	900
32	46	21	300	62.1	900
38	52	21	300	62.1	900
51	65	21	300	62.1	900
76	92	21	300	62.1	900

All pressure ratings quoted at ambient temperature

Ultravin Clear PVC Non Toxic Suction and Discharge Hose



Suitable for transferring fluids, slurries, foodstuffs, dilute chemicals and granules.

Exceptional quality, manufactured from food grade, crystal clear PVC, Ultravin offers the ultimate performance in suction and discharge applications (full vacuum rating). Offers exceptional flexibility and durability.

The Embedded Carbon Steel Helix also allows the hose to be earthed.

- 1 Temperature range: -15°C to +65°C
- 1 Standard length: 30m
- 1 Construction:
Lining, clear food quality PVC
Cover, clear food quality PVC

I.D. (mm)	O.D. (mm)	Working Pressure (bar)	Working Pressure (PSI)	Burst Pressure (bar)	Burst Pressure (PSI)	Vacuum (mm Hg)
10	16	12	174	36	522	662
13	19	12	174	36	522	662
16	22	12	174	36	522	662
19	26	11	160	33	479	662
25	33	10	145	30	435	662
32	40	9	131	27	392	662
38	47	9	131	27	392	662
45	55	9	131	27	392	662
51	62	7	102	21	305	662
63	75	6	87	18	261	662
76	90	4.5	65	13.5	196	662
89	102	4	58	12	174	662
102	117	3	44	9	131	662
127	143	3	44	9	131	662
152	172	2.5	36	7.5	109	662
203	223	2	29	6	87	662

All pressure ratings quoted at ambient temperature

Hose & Hose Assemblies

PVC Hose

Ragno CR (Food Quality)



Applications

Delivery of cooling liquids, chemical solutions, in the food and canning industry, compressed air.

A soft, flexible, PVC hose with Polyester yarn reinforcement.

Advantages

- 1 Lightweight and very flexible
- 1 Resistant to weather conditions

Features

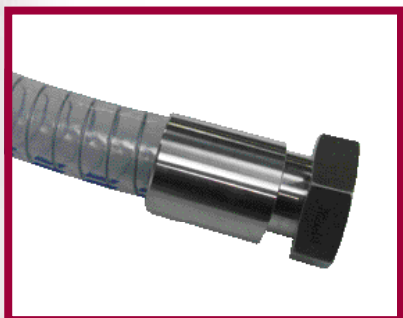
Temperature Range: -5°C to +60°C

Sizes: ID from 6mm to 50mm;
OD from 12mm to 62mm

Working Pressure: 40°C from 16 bar
@6mm ID to 4 bar @50mm ID

ID mm	OD mm	Working Pressure		
		bar 20°C	bar 40°C	bar 60°C
6	12	20	16	12
8	14	18	13	9
10	16	18	13	9
13	19	12	9	6
16	22	10	7	4
19	26	10	7	4
25	33	8	5	3
32	42	8	4	2
38	48	8	4	2
50	62	8	4	2

Armorvin HNA (Non-toxic)



Applications

This hose is suitable for high vacuum applications in food and non food industries. It is equally suited to dry or liquid transfer applications. It is suitable for beverages and alcohols that do not contain more than 28% alcohol. Vinegar, fruit juices, drinking water.

A high tensile Steel Spring Helix centrally positioned in a thick crystal clear, non-toxic, flexible PVC.

Advantages

- 1 Good chemical resistance
- 1 Good weathering resistance
- 1 High impact resistance, can be knocked back into shape if crushed
- 1 Good abrasion resistance, also excellent vacuum throughout the size range at ambient temperature
- 1 Excellent transparency and therefore it is easy to see product being conveyed and locate blockages
- 1 Smooth internal bore and smooth outside cover

Features

Temperature Range: -5°C to +65°C

Sizes: ID from 10mm to 100mm

Working Pressure: from 7 bar @ 10mm to
2 bar @100mm ID

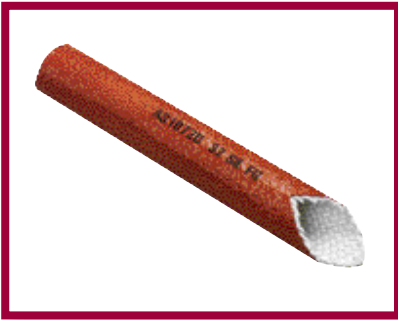
ID mm	OD mm	Working Pressure bar	Min Bend Radius mm
10	16	7	20
12	18	7	25
14	20	6	30
16	22	6	35
18	24	6	40
20	27	5	50
22	29	5	55
25	33	5	60
30	38	4.5	70
32	40	4.5	75
35	44	4	80
38	47	4	90
40	49	3	95
45	55	3	110
50	60	3	125
60	72	2.5	140
75	89	2	200
80	94	2	220
100	114	2	300

Hose & Hose Assemblies

Heat Resistant Sleeves

“Insulflex® high temperature sleeves protect hoses, lines, cables and wires in areas of extreme heat, guard personnel from burns, and cut costly energy losses.”

Industrial Pyrojacket®



Knitted high bulk glass fibre sleeve can withstand repeated exposures to Molten Steel, Molten Aluminium and Molten Glass up to 3000°F (1650°C).

Sheds Splash Immediately

Industrial grade Pyrojacket® withstands repeated exposures to Molten Steel, Molten Aluminium and Molten Glass up to 3000°F (1650°C). The heavy coating of the proprietary Iron Oxide Red Silicone Rubber compound sheds Molten Metal splash immediately, so very little heat transfer occurs.

Withstands Intense Radiant Heat and Flame

Industrial grade Pyrojacket® will withstand continuous exposure to 500°F (260°C); up to 2000°F (1090°C) for 15-20 minutes; and up to 3000°F (1650°C) for 15-30 seconds. When exposed to flame, the Silicone Rubber transforms into a crust, creating a protective SiO₂ refractory layer.

Industrial grade Pyrojacket® is constructed from high bulk glass fibre knitted sleeve. Excellent modulus of elasticity makes it an excellent choice for bundling hoses, tubes and cables in a variety of hostile environments.

Protect Your Personnel and Cut Your Energy Loss

Industrial Pyrojacket's insulation properties provide personnel with effective protection against burns from hot hoses and flexible steamlines, while reducing heat energy losses.

Guard Against Fraying and Absorption

Newly developed Odourless End Dip™ is designed to coat Pyrojacket® at the ends. This special formulation of Liquid Silicone Rubber prevents fraying and the absorption of flammable oils or other contaminants into exposed glass fibres.

Pyreflect™ Sleeve



Performance lab tested at 3000°F (1650°C) for 1 minute, Pyreflect™ sleeve reflects at least 90% of radiant heat energy.

Cable and hose protection in extreme heat

An ideal choice for operations where occasional radiant (infrared) heat flow must be blocked or stopped. The mirror-like surface of Pyreflect™ firesleeve reflects heat away, instead of absorbing heat and dissipating it through the fabric.

Pyreflect™ firesleeve has two layers of Aluminium coating and a protective film, all laminated to a specially designed heavy grade aramid fibre cloth by means of a heat stable adhesive. The Aluminium layers will not delaminate from the cloth, even under the most extreme heat conditions.

Available double-stitched or with VCO closure

The sleeve is constructed by slitting the Pyreflect™ blanket to the appropriate width and double stitching the edge with high temperature glass fibre thread. It can also be supplied with the VCO option of a high temperature hook-and-loop closure system sewn inside the sleeve to allow installation without disconnecting hoses or cables. Pyreflect™ firesleeve has an extremely durable construction and can meet the most demanding abrasion and tensile strength requirements.

Continuous operating temperature of 343°C.

Maximum short term exposure temperature of 538°C.

Hose & Hose Assemblies

Heat Resistant Sleeves

Aerostyle Pyrojacket®



Thicker, denser inner glass fibre than our Industrial grade Pyrojacket® firesleeve, gives higher insulation values, increased strength and enhanced abrasion resistance.

Sheds splash immediately

Aerostyle Pyrojacket® firesleeve withstands repeated exposures to Molten Steel, Molten Aluminium and Molten Glass up to 3000°F (1650°C). The heavy coating of our proprietary firesleeve Iron Oxide Red Silicone Rubber compound sheds Molten Metal splash immediately, so very little heat transfer occurs.

Withstands intense radiant heat and flame

Aerostyle Pyrojacket® firesleeve will withstand continuous exposure to 500°F (260°C) up to 2000°F (1090°C) for 15-20 minutes and up to 3000°F (1650°C) for 15-30 seconds. When exposed to flames, the Silicone Rubber transforms into a crust, creating a protective SiO₂ refractory layer.

Aerostyle Pyrojacket® firesleeve is constructed from high bulk glass fibre braided sleeve. Excellent modulus of elasticity makes it an ideal choice for bundling hoses, tubes and cables in a variety of hostile hi-heat environments.

Pyrosil™ Tape



Silicone Rubber high temperature tape forms a non-adhesive, self bonding, self curing liquid-tight insulation barrier.

High temperature insulation tape

Pyrosil™ is a non-adhesive, Iron Oxide Red Silicone Rubber tape, designed to withstand continuous exposure to temperatures up to 475°F (246°C).

Broad application range

By virtue of its high dielectric strength, Pyrosil™ heat resistant tape is an excellent alternative to heat shrinkable tubing, vinyl tapes and wraps.

Typical applications include: wrapping wiring harnesses; protecting splices and terminations of power cables; insulating coils on motors and generators.

Heat Resistant/High Temperature Tape

Pyrotape®



Non-adhesive high bulk glass fibre tape withstands intense heat and flame and sheds Molten splash immediately.

Outstanding Molten Splash Protection

Pyrotape® is a knitted high bulk glass fibre tape, heavily coated with the proprietary compound of Iron Oxide Red Silicone Rubber. The specially designed compound sheds Molten Metal splash immediately, so very little heat transfer occurs.

Pyrotape® can withstand repeated exposures to Molten Steel, Molten Aluminium and Molten Glass, up to 3000°F (1650°C).

High Temperature Protection for Hoses and Cables

Pyrotape® withstands continuous exposure to 500°F (260°C), up to 2000°F (1090°C) for 15-20 minutes, and up to 3000°F (1650°C) for 15-30 seconds.

When exposed to flame, the Silicone Rubber transforms to a crust, creating a protective SiO₂ refractory layer.

Non-Adhesive Install, Without Disconnection

Pyrotape® has an excellent modulus of elasticity and can wrap any diameter hose or cable - typically in a spiral wrap with a 50% overlap. Can be installed without disconnecting hoses or cables.

Hose & Hose Assemblies

BioPharmaceutical Tubing

Tygon® Tubing



A range of tubing, including Platinum-cured Silicones for pharma and biotech use and medical grade PVC tubing, along with application specific tubing, such as Tygon® Fuel and Oil, U.V. resistant tubing, ultra chemical resistant and many more. Why not call to discuss your specific requirements, we'll be happy to help.

Tygon® Hoses



A range of Platinum-cured Silicone hose assemblies manufactured to your requirements with a wide range of ends available. We can offer full traceability on our hose assemblies and full validation information on the range is available on request. This range includes braid-reinforced options and we can offer wire-reinforced hoses in our Purefit® range.

Specialist Pump Tubing



A range of tubing developed specifically for the rigours of peristaltic pump use. With life cycles of 1000+ hours possible, this tubing alleviates a lot of the problems associated with using peristaltic pumps, such as spallation and gas permeability of Silicone tubing. Both our Pharmed® and PharmaPure® tubing comply with USP Class V1 and FDA standards along with holding DMFs.

C-FLEX® Weldable Sealable Tubing



C-FLEX® is a unique, patented Thermoplastic Elastomer, specifically designed to meet the critical demands of the medical, pharmaceutical, research, biotech and diagnostics industries. The product can be welded, sealed and overmoulded, making it very adaptable tubing in areas requiring aseptic connect and disconnects, such as biopharmaceutical manufacturing.

Hose & Hose Assemblies

BioPharmaceutical Tubing



Sani-Tech Ultra Platinum Cured Silicone

Sani-Tech® Ultra represents the next generation in ultra-pure Platinum-cured Silicone tubing. Features like ultra-low extractables and longer pump life were engineered into Ultra by the experienced materials scientists of Saint-Gobain Performance Plastics, to meet the stringent requirements of the biopharmaceutical market. Fluid integrity is vitally important in

many biopharmaceutical applications. Sani-Tech® Ultra formulations are manufactured and packaged in a certified clean room from the finest grade of Silicone materials.

Ultra-low TOCs ensure that contamination by extractables is kept to an absolute minimum, and the formulation imparts no taste or odours.

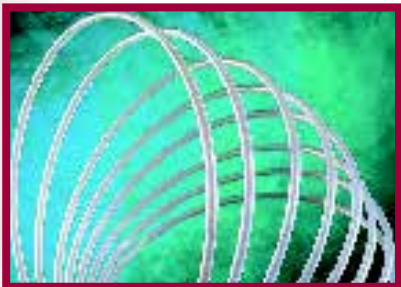


Sani-Tech Platinum Cured Silicone Pressure Hoses

Sani-Tech pressure hoses are available in a wide range of sizes from 1/16" ID through to 4", with working pressure ranges up to 13 bar. The Sani-Tech hoses come in standard braided, heavy duty braided and wire reinforced.

They are extruded with a high purity biopharmaceutical-grade Silicone tubing inner diameter to ensure product integrity, and are designed for vacuum and tight bend radius applications.

Temperature ranges are from -62°C to 260°C and all products come with full validation packages.



PFA & FEP Tubing

PharmaFluor® FEP is Fluoropolymer tubing that meets the demands of biopharmaceutical, medical and laboratory applications. PharmaFluor® tubing has outstanding chemical and physical characteristics because processing occurs under stringently controlled conditions. In addition to being chemically inert, PharmaFluor® tubing can be used in a broad range of temperatures from -73°C to 204°C.

PharmaFluor® FEP will resist the absorption/adsorption of aqueous fluids, which minimizes the risk of fluid alteration in single or repeat use applications. PharmaFluor® tubing is also virtually unaffected by chemical sanitisers and cleaners and can be cleaned repeatedly without decreasing its service life.



Sani-Tech Sani Pro Rigid Piping

Sani-Tech® high purity piping systems are easier to install and maintain than Stainless Steel systems, and are designed to fully integrate with other Sani-Tech® products, including sanitary gooseneck faucets; flexible Platinum-cured, Reinforced Silicone, Rubber and Fluoropolymer-lined hose assemblies; sanitary non-metallic tanks and bioprocess vessels; and Silicone and TYGON® tubing.

These products are manufactured with Polypropylene and Kynar® PVDF performance-proven materials that meet and/or surpass FDA and USP standards and regulations. Thermoplastic materials have been shown to be less susceptible to biofilm growth than Stainless Steel, which exhibits a much higher rate of ion contamination.

Silicone Hose	102
Hygienic Hose Tails	102
Hygienic Ferrules	102
RJT	103
DIN	103
IDF/ISS	103
SMS	103
Tri-Clamp	103
RJT Spanners	104
Stainless Steel Ball Valves	104



Hygienic Fittings

Hygienic Fittings

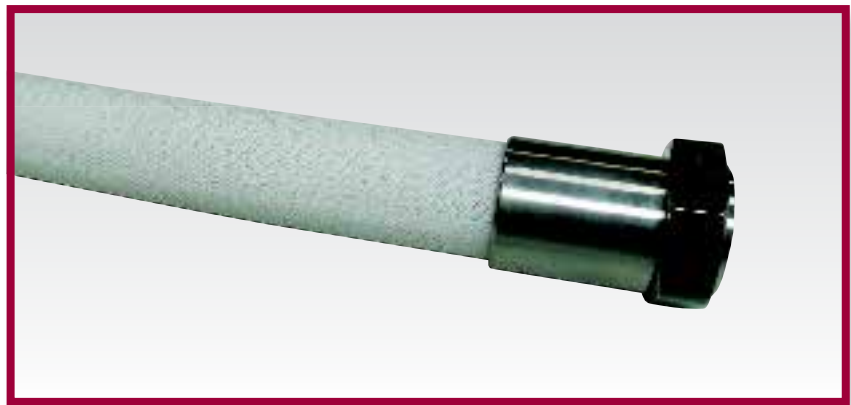
A complete range of Hygienic Stainless Steel fittings are available, of which the main parts are detailed below.

All these fittings are suitable for CIP technology (Clean In Place), supplied in Stainless Steel in order to meet the specifications of the Food Processing, Brewing, Dairy and Pharmaceutical industries.

The Range Available

- 1 A complete range of RJT (Ring Joint Type – BS 4825).
- 1 A complete range of DIN 11850 – 11852 fittings meeting the European specifications.
- 1 A complete range of IDF/ISS (International Dairy Federation – BS 4825) fittings.
- 1 A complete range of SMS fittings, which meet the Swedish specifications.
- 1 A complete range of Tri-Clamp fittings.

Silicone Hose and Hygienic Fitting



Hygienic Hose Tails



Nominal Size		RJT	IDF/ISS	DIN	SMS
ins	mm	Code	Code	Code	Code
1"	25	RJT-100-HT	IDF-100-HT	DIN-100-HT	SMS-100-HT
1 1/2"	38	RJT-150-HT	IDF-150-HT	DIN-150-HT	SMS-150-HT
2"	50	RJT-200-HT	IDF-200-HT	DIN-200-HT	SMS-200-HT
2 1/2"	65	RJT-250-HT	IDF-250-HT	DIN-250-HT	SMS-250-HT
3"	75	RJT-300-HT	IDF-300-HT	DIN-300-HT	SMS-300-HT
4"	100	RJT-400-HT	IDF-400-HT	DIN-400-HT	SMS-400-HT

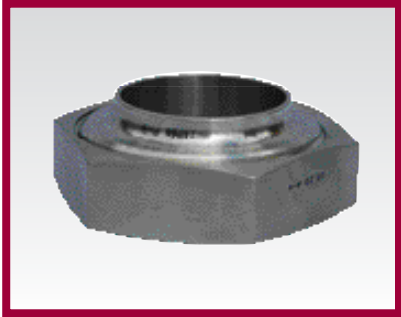
Hygienic Ferrules



Please consult factory with your hose dimensions to ensure that the correct ferrules are selected to match your hose requirements.

Hygienic Fittings Range

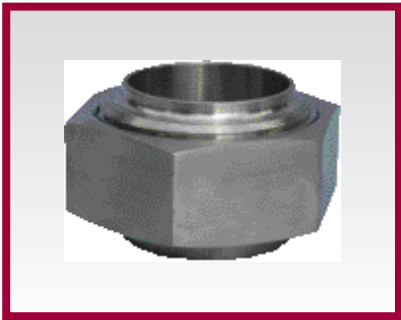
RJT Fittings



DIN Fittings



IDF/ISS Fittings



SMS Fittings



See pages
76 to 96 for
suitable hoses

Tri-Clamp Fittings



Nominal Size		Long Ferrule 21.5m Code	Clamp Code
ins	mm		
1/2"	13	TRI-050-LF	TRI-050-C
3/4"	19	TRI-075-LF	TRI-075-C
1"	25	TRI-100-LF	TRI-100-C
1 1/2"	38	TRI-150-LF	TRI-150-C
2"	50	TRI-200-LF	TRI-200-C
2 1/2"	65	TRI-250-LF	TRI-250-C
3"	75	TRI-300-LF	TRI-300-C
4"	100	TRI-400-LF	TRI-400-C
		EPDM Seal Code	PTFE Seal Code
1/2"	13	TRI-050-EP	TRI-050-PTFE
3/4"	19	TRI-075-EP	TRI-075-PTFE
1"	25	TRI-100-EP	TRI-100-PTFE
1 1/2"	38	TRI-150-EP	TRI-150-PTFE
2"	50	TRI-200-EP	TRI-200-PTFE
2 1/2"	65	TRI-250-EP	TRI-250-PTFE
3"	75	TRI-300-EP	TRI-300-PTFE
4"	100	TRI-400-EP	TRI-400-PTFE

Hygienic Fittings

Hygienic Fittings

RJT Spanners



Nominal Size		RJT Code
ins	mm	
1"	25	RJT-100-SPAN
1 1/2"	38	RJT-150-SPAN
2"	50	RJT-200-SPAN
2 1/2"	65	RJT-250-SPAN
3"	75	RJT-300-SPAN
4"	100	RJT-400-SPAN

Stainless Steel Ball Valves

Application and Operation

Manual valves are used as intercepting valves in Stainless Steel lines in the Dairy Industry, Wine Industry, Pharmaceutical and wherever sanitary measures are required.

For manual operating, the valve is supplied with a standard handle called locking handle, placing the valve in open or closed position.

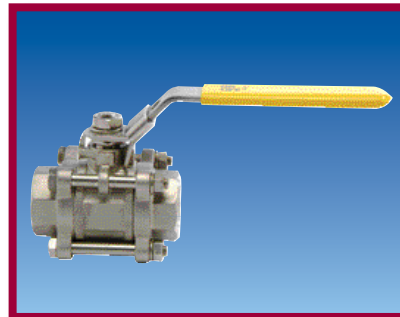
The valve is designed to match any standard: DIN – RJT – Tri-Clamp, threaded or weldable.



Ball Valve – 2 Piece

Sizes Available

1/4" (6mm) – 3" (76mm)



Ball Valve – 3 Piece Bolted

Sizes Available

1/4" (6mm) – 3" (76mm)



Ball Valve – 3 Way

Sizes Available

1/2" (13mm) – 2" (51mm)

Mikalor	106 – 107
316 Stainless Steel	108
Double Bolt	109
Band-It Clamp Series	110 – 111
Roman Seliger	112
High Pressure	113
Heavy Duty Air	114



Clamps

Mikalor Clamps



Super Gold Clamps (W1)

The original Super Gold Clamp from Mikalor is distinguished by its unique characteristics and by its brand name. It is superior in design compared to other and usually cheaper copies of this 'original'.

Only from the original Super will you obtain the quality and performance you expect.

It is manufactured from Carbon Steel, which has been Zinc Plated and Gold Passivated to make it durable and an effective clamp.

It has bevelled edges to reduce wear and tear to the hose.

The band bridge protects and reinforces the articulated tensioning system.

It has gained acceptance in the hose industry where ease of assembly and quality are important.

Recommended torque tightening values and working pressures are published and are available.

Applications

Commonly used in hose assembly manufacturing, agriculture, hydraulics, general engineering, chemical and food processing industries.

Sizes Available

17 – 252mm.



Supra Ferritic Clamps (W2)

The Supra Ferritic Clamp is a superior clamp to the quality Gold clamp with the added advantage of being a Stainless Steel band with a Carbon Steel, Zinc Plated bolt.

Unlike Super, all components are retained when the bolt is removed, thus facilitating ease of use with conventional assembly and automated tools.

It has gained acceptance in those application areas where a band of Stainless Steel is required over Plated Carbon Steel but not with the associated costs of a full Stainless Steel clamp.

It has bevelled edges to reduce wear and tear to the hose.

The band bridge protects and reinforces the articulated tensioning system.

Recommended torque tightening values and working pressures are published and are available.

Applications

Commonly used in hose assembly manufacturing, agriculture, hydraulics, general engineering, chemical and food processing industries.

Sizes Available

17 – 252mm.



Supra 304 Stainless Steel Clamps (W4)

The Supra Stainless Steel Clamp is the Stainless Steel equivalent of the 'well accepted' Supra Ferritic. The band and band arch are composed of AISA-304 Stainless Steel.

Unlike Super, all components are retained when the bolt is removed, thus facilitating ease of use with conventional assembly and automated tools.

It has gained acceptance in those application areas where a band of Stainless Steel is required over Plated Carbon Steel or 'Coated' Stainless Steel varieties.

It has bevelled edges to reduce wear and tear to the hose.

The band bridge protects and reinforces the articulated tensioning system.

Recommended torque tightening values and working pressures are published and are available.

Applications

Commonly used in hose assembly manufacturing, agriculture, hydraulics, general engineering, chemical and food processing industries.

Sizes Available

17 – 252mm.

Clamps

The Complete Range of Mikalor Clamps

Nominal Size mm	Super Gold Code
17-19	SC17-19-GOLD
20-22	SC20-22-GOLD
23-25	SC23-25-GOLD
26-28	SC26-28-GOLD
29-31	SC29-31-GOLD
32-35	SC32-35-GOLD
36-39	SC36-39-GOLD
40-43	SC40-43-GOLD
44-47	SC44-47-GOLD
48-51	SC48-51-GOLD
52-55	SC52-55-GOLD
56-59	SC56-59-GOLD
60-63	SC60-63-GOLD
64-67	SC64-67-GOLD
68-73	SC68-73-GOLD
74-79	SC74-79-GOLD
80-85	SC80-85-GOLD
86-91	SC86-91-GOLD
92-97	SC92-97-GOLD
98-103	SC98-103-GOLD
104-112	SC104-112-GOLD
113-121	SC113-121-GOLD
122-130	SC122-130-GOLD
131-139	SC131-139-GOLD
140-148	SC140-148-GOLD
149-161	SC149-161-GOLD
162-174	SC162-174-GOLD
175-187	SC175-187-GOLD
188-200	SC188-200-GOLD
201-213	SC201-213-GOLD
214-226	SC214-226-GOLD
227-239	SC227-239-GOLD
240-252	SC240-252-GOLD

Nominal Size mm	Supra Ferritic Code	Stainless Steel Code
17-19	SC17-19-SUF	SC17-19-SS
19-21	SC19-21-SUF	SC19-21-SS
21-23	SC21-23-SUF	SC21-23-SS
23-25	SC23-25-SUF	SC23-25-SS
25-27	SC25-27-SUF	SC25-27-SS
27-29	SC27-29-SUF	SC27-29-SS
29-31	SC29-31-SUF	SC29-31-SS
31-34	SC31-34-SUF	SC31-34-SS
34-37	SC34-37-SUF	SC34-37-SS
37-40	SC37-40-SUF	SC37-40-SS
40-43	SC40-43-SUF	SC40-43-SS
43-47	SC43-47-SUF	SC43-47-SS
47-51	SC47-51-SUF	SC47-51-SS
51-55	SC51-55-SUF	SC51-55-SS
55-59	SC55-59-SUF	SC55-59-SS
59-63	SC59-63-SUF	SC59-63-SS
63-68	SC63-68-SUF	SC63-68-SS
68-73	SC68-73-SUF	SC68-73-SS
73-79	SC73-79-SUF	SC73-79-SS
79-85	SC79-85-SUF	SC79-85-SS
85-91	SC85-91-SUF	SC85-91-SS
91-97	SC91-97-SUF	SC91-97-SS
97-104	SC97-104-SUF	SC97-104-SS
104-112	SC104-112-SUF	SC104-112-SS
112-121	SC112-121-SUF	SC112-121-SS
121-130	SC121-130-SUF	SC121-130-SS
130-140	SC130-140-SUF	SC130-140-SS
140-150	SC140-150-SUF	SC140-150-SS
150-162	SC150-162-SUF	SC150-162-SS
162-174	SC162-174-SUF	SC162-174-SS
174-187	SC174-187-SUF	SC174-187-SS
187-200	SC187-200-SUF	SC187-200-SS
200-213	SC200-213-SUF	SC200-213-SS
213-226	SC213-226-SUF	SC213-226-SS
226-239	SC226-239-SUF	SC226-239-SS
239-252	SC239-252-SUF	SC239-252-SS

Clamps

316 Stainless Steel Super Clamp



The Super-PC Clamp is made from 316 Stainless Steel.

The 316 Stainless Steel has the advantages of being a superior Stainless Steel Clamp to those usually made from 304 grade Stainless Steel.

The Stainless Steel Clamp is acid and sea water resistant.

Applications

Commonly used in hose assembly manufacturing, agriculture, hydraulics, general engineering, chemical, food processing and marine industries.

Sizes Available

17 – 265mm

Nominal Size mm	STAINLESS STEEL Code
17-19	SCS17-19-PF
20-22	SCS20-22-PF
23-25	SCS23-25-PF
26-28	SCS26-28-PF
29-31	SCS29-31-PF
32-35	SCS32-35-PF
36-39	SCS36-39-PF
40-43	SCS40-43-PF
44-47	SCS44-47-PF
48-51	SCS48-51-PF
52-55	SCS52-55-PF
56-59	SCS56-59-PF
60-63	SCS60-63-PF
64-67	SCS64-67-PF
68-73	SCS68-73-PF
74-79	SCS74-79-PF
80-85	SCS80-85-PF
86-91	SCS86-91-PF
92-97	SCS92-97-PF
98-103	SCS98-103-PF
104-112	SCS104-112-PF
113-121	SCS113-121-PF
122-130	SCS122-130-PF
131-139	SCS131-139-PF
140-148	SCS140-148-PF
149-161	SCS149-161-PF
162-174	SCS162-174-PF
175-187	SCS175-187-PF
188-200	SCS188-200-PF
201-213	SCS201-213-PF
214-226	SCS214-226-PF
227-239	SCS227-239-PF
240-252	SCS240-252-PF
253-265	SCS253-265-PF

Clamps

Double Bolt Clamps

Plated Steel and 316 Stainless Steel



Plated Steel



Stainless Steel

The Double Bolt Clamp is very suitable to applications where higher pressures and greater strengths are required.

The Double Bolt Clamp system provides greater size range and wider band widths.

Larger sizes can be produced to meet specific customer needs where the requirement to include more than two bolts may be required.

The Double Bolt Clamps are available in two materials: Galvanized known as Plated Steel and 316 Stainless Steel.

The Stainless Steel Clamp is acid and sea water resistant.

Applications

Commonly used in hose assembly manufacturing, agriculture, hydraulics, general engineering, chemical and food processing industries.

Sizes Available

60 – 370mm.
(Larger sizes available on request).

Band Width

25mm

Nominal Size mm	Box Quantities	PLATED STEEL Code	STAINLESS STEEL Code
60-70	48	DBC25-1-2-070-PS	DBC25-1-2-070-SS
65-75	44	DBC25-1-2-075-PS	DBC25-1-2-075-SS
70-80	44	DBC25-1-2-080-PS	DBC25-1-2-080-SS
75-85	36	DBC25-1-2-085-PS	DBC25-1-2-085-SS
80-90	36	DBC25-1-2-090-PS	DBC25-1-2-090-SS
85-95	32	DBC25-1-2-095-PS	DBC25-1-2-095-SS
90-100	28	DBC25-1-2-0100-PS	DBC25-1-2-0100-SS
95-105	24	DBC25-1-2-0105-PS	DBC25-1-2-0105-SS
100-110	24	DBC25-1-2-0110-PS	DBC25-1-2-0110-SS
105-115	24	DBC25-1-2-0115-PS	DBC25-1-2-0115-SS
110-120	24	DBC25-1-2-0120-PS	DBC25-1-2-0120-SS
115-125	20	DBC25-1-2-0125-PS	DBC25-1-2-0125-SS
120-130	20	DBC25-1-2-0130-PS	DBC25-1-2-0130-SS
125-135	16	DBC25-1-2-0135-PS	DBC25-1-2-0135-SS
130-140	16	DBC25-1-2-0140-PS	DBC25-1-2-0140-SS
135-145	16	DBC25-1-2-0145-PS	DBC25-1-2-0145-SS
140-150	16	DBC25-1-2-0150-PS	DBC25-1-2-0150-SS
145-155	16	DBC25-1-2-0155-PS	DBC25-1-2-0155-SS
150-165	12	DBC25-1-2-0160-PS	DBC25-1-2-0160-SS
155-170	12	DBC25-1-2-0165-PS	DBC25-1-2-0165-SS
160-175	8	DBC25-1-2-0170-PS	DBC25-1-2-0170-SS
165-180	8	DBC25-1-2-0175-PS	DBC25-1-2-0175-SS
170-185	8	DBC25-1-2-0180-PS	DBC25-1-2-0180-SS
180-195	8	DBC25-1-2-0190-PS	DBC25-1-2-0190-SS
190-205	8	DBC25-1-2-0200-PS	DBC25-1-2-0200-SS
200-215	8	DBC25-1-2-0210-PS	DBC25-1-2-0210-SS
210-225	4	DBC25-1-2-0220-PS	DBC25-1-2-0220-SS
220-235	4	DBC25-1-2-0230-PS	DBC25-1-2-0230-SS
230-245	4	DBC25-1-2-0240-PS	DBC25-1-2-0240-SS
240-255	4	DBC25-1-2-0250-PS	DBC25-1-2-0250-SS
250-265	4	DBC25-1-2-0260-PS	DBC25-1-2-0260-SS
260-275	4	DBC25-1-2-0270-PS	DBC25-1-2-0270-SS
270-285	4	DBC25-1-2-0280-PS	DBC25-1-2-0280-SS
280-295	4	DBC25-1-2-0290-PS	DBC25-1-2-0290-SS
290-305	4	DBC25-1-2-0300-PS	DBC25-1-2-0300-SS
300-315	4	DBC25-1-2-0310-PS	DBC25-1-2-0310-SS
310-325	4	DBC25-1-2-0320-PS	DBC25-1-2-0320-SS
320-335	4	DBC25-1-2-0330-PS	DBC25-1-2-0330-SS
330-345	4	DBC25-1-2-0340-PS	DBC25-1-2-0340-SS
340-355	4	DBC25-1-2-0350-PS	DBC25-1-2-0350-SS
350-365	4	DBC25-1-2-0360-PS	DBC25-1-2-0360-SS

Sold only in box quantities

Clamps

Band-It

Band-It band, buckles and preformed clamps are universally recognized as efficient, easy to apply and superior in quality.

On land, sea, over the water and in the air, clamps made with Band-It products are used all over the world. They secure hose, pipes, poles and cables and other multi-clamping functions.

The Band-It clamping system is so versatile that it can be used for a wide range of shapes and sizes and with the adaptor tool can be used for hose assemblies and many other applications.

Some of the Band-It Product Lines:

The Band-It Jr. Smooth I.D. Clamp

As industrial hose made of stiffer, thinner, thermoplastics replace soft, spongy, thick-walled Rubber, a new generation of hose clamps has been developed to prevent leak problems.

The Band-It Jr. Smooth I.D. clamp is manufactured in a wide variety of widths, sizes and materials that provide a uniform, gap-free, inside diameter with the same strong holding power of the standard Band-It Jr. clamp.

The Band-It Type 201 Band and Buckle

The band and buckle can be quickly formed to suit virtually any diameter. The patented imprint on the band enables precise use of the band without leading to wastage. Applications include hose, pipes, signs, cables, especially where superior strength is required.

The Band-It Tool C001

Drop forged tool with built-in cutter tensions over 2,400 lbs. Spring-loaded gripper lever and friction-held cut off lever with plastic grip improves ease of use. Blue, Epoxy Powder-coated finish minimizes impact, chemical and corrosive elements. Used to apply band, strapping and free-end clamps. Weight: 4.4 lbs. (2.0 kg)

The Band-It Ultra-Lok

Ultra-Lok is the ultimate band clamping system. It includes a complete selection of convenient preformed clamps, a series of versatile free end lengths. Whatever your requirements, Ultra-Lok provides a fast, accurate, consistent clamp made from 1/4 hard, high-tensile 201 Stainless Steel for unequalled strength and reliability. Ultra-Lok's smooth I.D. seals assemblies tight with a gap-free, 360° seal.



The Band-It Jr. Smooth I.D. Clamp

The Band-It Jr. Smooth I.D. Clamp

Band Width		1/4" (6.4mm)	3/8" (9.5mm)	1/2" (12.7mm)	5/8" (15.9mm)	3/4" (19.05mm)
Band Thickness		.020" (.51mm)	.025" (.64mm)	.030" (.76mm)	.030" (.76mm)	.030" (.76mm)
Clamp I.D.						
ins	mm	Code	Code	Code	Code	Code
1 3/16"	21	BANJS240	BANJS201			
1"	25	BANJS242	BANJS243	BANJS203		
1 1/4"	32			BANJS204		
1 3/8"	35	BANJS241	BANJS202			
1 1/2"	38	BANJS252		BANJS231	BANJS205	
1 3/4"	45			BANJS236	BANJS206	
2"	51	BANJS253	BANJS245	BANJS237	BANJS207	BANJS227
2 1/4"	57				BANJS208	
2 1/2"	63	BANJS220	BANJS221	BANJS233	BANJS209	
2 3/4"	70	BANJS256		BANJS230		BANJS210
3"	76	BANJS244	BANJS246	BANJS234		BANJS211
3 1/2"	89	BANJS257	BANJS255	BANJS247		BANJS212
4"	102	BANJS258	BANJS248	BANJS249		BANJS213
4 1/2"	114	BANJS259				BANJS214
5"	127					BANJS215
5 1/4"	133					BANJS270
6"	152					BANJS216
6 1/2"	165					BANJS217
7"	178					BANJS218
8"	203					BANJS219

Clamps

The Band-It Type 201 Band and Buckle



Band Width		Band Thickness		Band Code	Buckles Code	Dispenser Code
ins	mm	ins	mm			
TYPE 201 STAINLESS STEEL						
1/4"	6.35	0.020	0.51	BANC202	BANC252	
3/8"	9.53	0.025	0.63	BANC203	BANC253	BANC203Y
1/2"	12.70	0.030	0.76	BANC204	BANC254	BANC204B
5/8"	15.88	0.030	0.76	BANC205	BANC255	BANC205G
3/4"	19.05	0.030	0.76	BANC206	BANC256	BANC206R

Band Width		Band Thickness		Band Code	Buckles Code	Dispenser Code
ins	mm	ins	mm			
TYPE 304 STAINLESS STEEL						
3/8"	9.53	0.024	0.60	BANC923	BANC953	BANC923Y
1/2"	12.70	0.028	0.70	BANC924	BANC954	BANC924B
5/8"	15.88	0.028	0.70	BANC925	BANC955	BANC925G
3/4"	19.05	0.028	0.70	BANC926	BANC956	BANC926R

The Band-It Tool C001



Description	Code
Band-It Tool for use with Bands up to 3/4" (19.05mm) wide	BANC001
Band-It Heavy Duty Tool	BANC003

The Band-It Ultra-Lok



Internal Diameter		Band Width		Clamp Code
ins	mm	ins	mm	
1 1/2"	38.10	1/2"	12.70	BANUL279
2"	50.80	1/2"	12.70	BANUL283
2 3/4"	69.90	1/2"	12.70	BANUL286
4"	101.60	1/2"	12.70	BANUL291
2"	50.80	3/4"	19.10	BANUL227
2 3/4"	69.90	3/4"	19.10	BANUL210
3"	76.20	3/4"	19.10	BANUL211
3 1/2"	88.90	3/4"	19.10	BANUL212
4"	101.60	3/4"	19.10	BANUL213
4 1/2"	114.30	3/4"	19.10	BANUL214
5"	127.00	3/4"	19.10	BANUL215
5 1/2"	139.70	3/4"	19.10	BANUL270
6"	152.40	3/4"	19.10	BANUL216
6 1/2"	165.10	3/4"	19.10	BANUL217
7"	177.80	3/4"	19.10	BANUL218
8"	203.20	3/4"	19.10	BANUL219
9"	228.60	3/4"	19.10	BANUL228

Clamps

Roman Seliger Clamps



The Roman Seliger reusable clamp incorporates a lip, which is designed to engage behind an annular security collar on the hose stem to positively prevent hose 'blow off'.

The clamps are heavily under-ribbed to provide excellent grip, and when correctly selected and fitted, the hose is compressed between the hose stem and the clamp in a similar fashion to a swaged fitting.

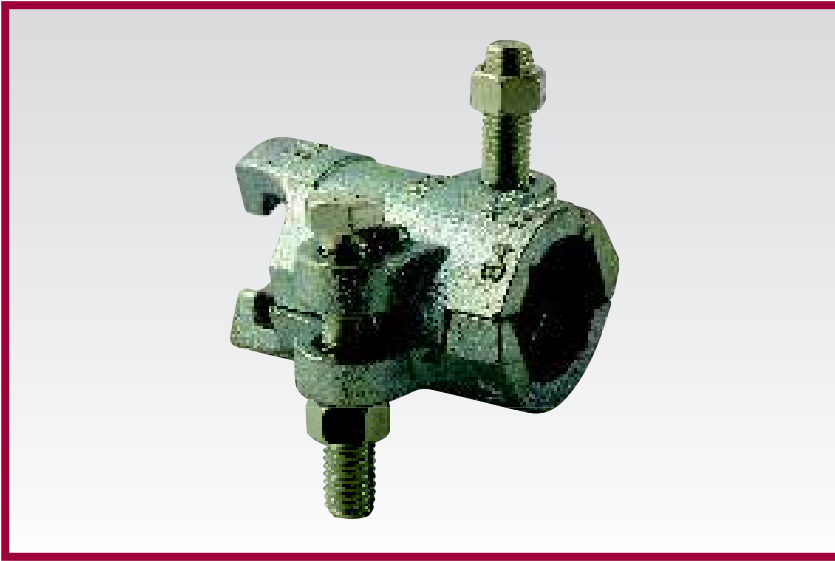
Roman Seliger clamps are of a streamline design and the bolts sit in a recess which leaves no projections to snag or injure an operator.

Roman Seliger clamps are available in Aluminium, Brass and Stainless Steel.

Nominal Size Hose	Min - Max	Bolts	ALUMINIUM Code	BRASS Code	STAINLESS STEEL Code
RS Clamps according to Din 2817					
13 x 5.0	22 - 24	M6x20	RS13X5-AL	RS13X5-BR	RS13X5-SS
19 x 6.0	30 - 33	M6x20	RS19X6-AL	RS19X6-BR	RS19X6-SS
25 x 6.0	36 - 39	M6x20	RS25X6-AL	RS25X6-BR	RS25X6-SS
32 x 6.0	43 - 46	M6x20	RS32X6-AL	RS32X6-BR	RS32X6-SS
38 x 6.5	50 - 52	M6x20	RS38X6.5-AL	RS38X6.5-BR	RS38X6.5-SS
50 x 8.0	64 - 67	M8x25	RS50X8-AL	RS50X8-BR	RS50X8-SS
50 x 10.0	69 - 71	M8x25	RS50X10-AL	RS50X10-BR	RS50X10-SS
63 x 8.0	78 - 82	M8x25	RS63X8-AL	RS63X8-BR	RS63X8-SS
63 x 10.0	84 - 87	M8x25	RS63X10-AL	RS63X10-BR	RS63X10-SS
75 x 8.0	89 - 93	M8x25	RS75X8-AL	RS75X8-BR	RS75X8-SS
75 x 10.0	94 - 97	M8x25	RS75X10-AL	RS75X10-BR	RS75X10-SS
100 x 8.0	114 - 119	M12x40	RS100X8-AL	RS100X8-BR	RS100X8-SS
125 x 10.0	143 - 148	M12x50	RS125X10-AL	RS125X10-BR	
150 x 10.0	168 - 174	M12x60	RS150X10-AL		
200 x 12.0	222 - 229	M12x60	RS200X12-AL		

Clamps

HP Series Safety Clamps (HPC)



The clamps are reusable and of robust construction. The principal feature is the extended finger, boss or protrusion which is designed to engage behind the annular security collar of the Male or Female coupling. The clamps are interlocking and under ribbed to provide a secure grip on the hose. The clamps incorporate a 'boltshelf' for one handed spanner tightening. Alternative sizes are available to suit hoses of various outside diameters, and each clamp is clearly marked with the hose outside diameter range and part number. Clamps up to ¾" size have two bolts. 1" have four bolts.

Clamps must be selected according to hose outside diameter size.

Modern hoses vary greatly in composition, diameter and thickness. Great care should be taken to ensure the right clamp is fitted whereby the clamp 'finger' overlaps the Hose Tail collar without meeting the Hose Tail itself. The clamp halves should also leave a consistent gap when tightened.

Material

#35 Steel



HPC Clamps

Hose ID ins	mm	Hose OD ins		Hose OD mm		Bolts Qty	Clamp Code
		min	max	min	max		
½	13	27/32	31/32	21	25	2	HPC01
½	13	1	1 1/8	25	29	2	HPC02
½	13	1 1/8	1 7/32	29	31	2	HPC03
¾	19	1 7/32	1 11/32	31	34	2	HPC04
¾	19	1 7/32	1 5/16	30	33	2	HPC04U
¾	19	1 11/32	1 15/32	34	37	2	HPC05
¾	19	1 15/32	1 19/32	37	40	2	HPC06
1	25	1 17/32	1 21/32	39	42	4	HPC08

Clamps

Double Bolt Heavy Duty Hose Clamps



Sizes up to DBC76 are intended for compressed air service. These are widely used on compressor hoses.

Sizes DBC94 and upwards are intended as an extra heavy duty clamp for suction and discharge hoses 2" N.B. to 8" N.B.

The SK Clamp has an extended finger designed to engage behind an annular security collar on the coupling hose stem to prevent 'blow off'.

The Double Bolt Clamp is fitted with spacers and has 'gripping' power in

excess of most other band clamps. The spacers protect the hose being pinched between the two clamp halves and ensure full circumference hose grip. The spacer tongues also provide a solid surface for the two clamp halves to slide over while being tightened, preventing the clamp from damaging the hose.

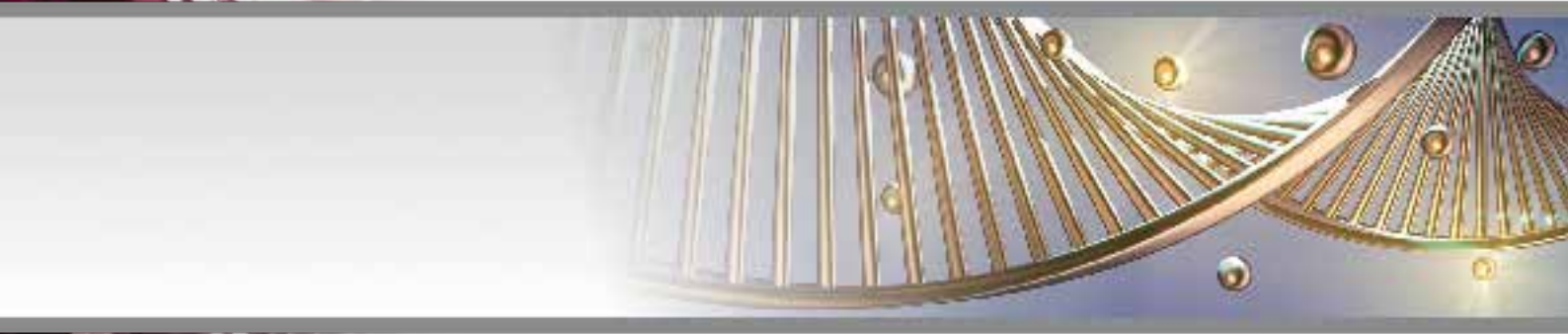
These robust clamps are of Malleable Iron, Zinc Plated and Yellow Chromated.

Easy and secure for various fittings and applications.



For Hose I.D.		For Hose O.D.		Max Working Pressure bar
ins	mm	Range mm	Code	
Two Parts with Overlapping Cast-On Saddles				
1/2	13	17-22	S22	16
3/4	19	27-32	S34	16
Two Parts with Loose Saddles				
1/2	13	22-29	DBC29	16
3/4	19	28-34	DBC34	16
1	25	32-40	DBC40	16
1 1/4	32	39-49	DBC49	16
1 1/2	38	48-60	DBC60	16
2	50	56-72	DBC72	16
2	50	60-76	DBC76	16
2 1/2	63	77-94	DBC94	16
3	75	89-101	DBC400	16
3	75	94-115	DBC115	16
3 1/2	89	113-127	DBC525	16
3 1/2	89	115-145	DBC145	16
4	100	127-140	DBC550	16
4	100	135-155	DBC600	16
5	125	155-175	DBC675	16
6	150	175-195	DBC769	16
7	175	210-225	DBC875	16
8	200	227-250	DBC988	16
Two Parts with Loose Saddles and Safety Claws				
1/2	13	22-29	SK29	25
3/4	19	28-32	SK34	25
1	25	35-42	SK39	25
1 7/64	28	42-45	SK44	25
1 3/8	35	45-53	SK51	25
1 5/8	42	55-60	SK60	25
2	50	60-73	SK73	25
3	75	86-102	SK75	25

Sani-Tech® Hose & Tubing	116
Tygon® Hose & Tubing	116
Specialist Tubing	116
C-Flex® Tubing	116
Pure-Fit® Aseptic Connector	117
BarbLock®	117
Tube Clamps	117
Colder Products Company®	117
ELEMENT Valves for Process	118
Robolux	118
ELEMENT Sensors & Controllers	118
Carboy Containers	118
BioProcess Containers	119
Peristaltic Pumps	119
Aseptic Mixers	119
PFA Products	119
Tanks & Containers	120
Kest-Lock	120
360 Sampling	120
Sanisure	120



Sani-Tech® Hose & Tubing



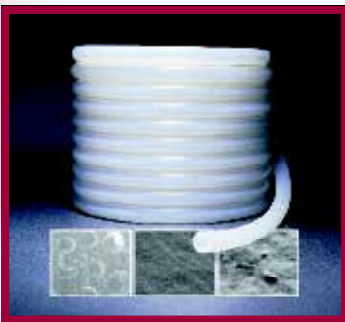
If you are looking for high grade Platinum-cured Silicone, this range has a product to suit your needs with validation packages available on most of the range. The well established STHT-C range of tubing is a market leader used over many years by a wide range of customers.

This range also includes a range of high pressure hoses with wire reinforced and braid reinforced options.

NEW Ultra version offers market leading low level TOC's ensuring that contamination by extractables is kept to an absolute minimum, and the formulation imparts no taste or odours.

Available in bore sizes from 0.012" – 4".

Tygon® Hose & Tubing



A broad range of flexible tubing products, each engineered to meet specific user needs, including resistance to chemicals, temperature fluctuations and abrasion, as well as high purity and long service life. If you are looking for tubing suitable for pumping or high grade Platinum-cured Silicone, this range has a product to suit your needs with validation packages available on most of the range.

Available in bore sizes 1/32" – 3".

Specialist Tubing



A choice of tubings suitable for specific applications. Long Life Peristaltic Pump tubing, Pharmed® BPT & PharmaPure® offer 1000+ hrs life based on 600 rpm on a 3 roller pump. This tubing comes with a full validation package.

PFA Tubing is a perfect solution when the reliability and dependability of an application requires the ultimate in purity and chemical resistance. The use of Saint Gobain's range of PFA tubing has been validated in some of the world's largest micro chip manufacturers in the world.

C-Flex® Tubing

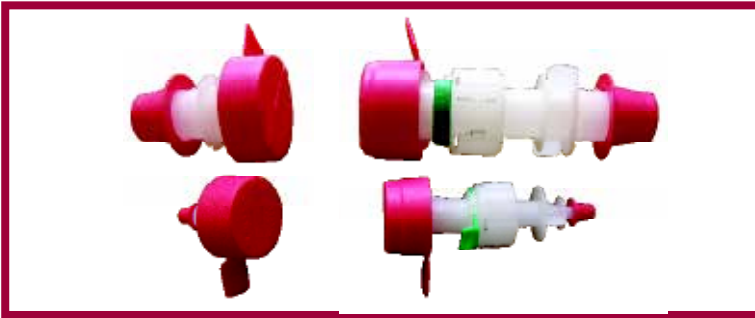


C-Flex® is a unique, patented thermoplastic Elastomer specifically designed to meet the critical demands of the medical, pharmaceutical, research, biotech and diagnostics industries. Its unique features include the ability to seal and weld the tubing, making aseptic connection and disconnect a simple procedure using the appropriate machinery.

The product is also available as overmoulded manifolds and stoppers.

Now available in Braided version for higher pressures and NEW C-Flex Ultra, which offers all the benefits of this well renowned product with long pump life.

Pure-Fit® Aseptic Connector



Pure-Fit® SC makes it possible to create true sterile connections anywhere – even outside the clean room.

It provides a seamless transition between tubings and fittings in order to maintain complete fluid integrity. The Silicone valve design at the heart of Pure-Fit® SC allows for easy assembly and leaves no gaps or residue, eliminating problems associated with other systems. The locking mechanism virtually eliminates the possibility of operator error, and also simplifies validation.

BarbLock®



When it comes to retaining flexible tubing and hose onto barbed fittings, BarbLock® retainers are the only system with a full 360° radial crimp behind the barb and 360° of compression directly over the barb's ridge. BarbLock® retainers have become the standard in many industries because they solve inherent leak path problems in sensitive and demanding applications. The retainer uses no adhesives or solvents and is quick and easy to assemble, saving valuable time.

Using the BarbLock® system avoids all the problems associated with the use of cable ties in tube assemblies, such as connections not being tight enough, cable tie guns having to be calibrated and the risk of connections not being secure.

Tube Clamps



Pure-Fit® TC feature an outer body with no sharp edges, eliminating the potential for snags, scratches or punctures; a press-down locking system that is fully encapsulated to guard against accidental release; a side release mechanism that facilitates secure, single-handed installation; and an integral bore hole for absolute lock-out capabilities. The clamp can be installed over the tube in the normal fashion or put together after the tube is already part of a completed assembly.

For Tube O.D's 1/8"-2".

Colder Products Company®



CPC® is the leader in single-use connector technology with a wide variety of bioprocessing solutions that provide quick and easy connections between process containers, tube sets, bioreactors and other bioprocess equipment. Sterile connect and disconnect options create flexibility in combining various components and systems, while maintaining product sterility whether in seed train applications, suite to suite transfer or filling operations. For applications where reliability and security are a must, connect with CPC®.

ELEMENT Range of Valves for Process



ELEMENT's platform is rugged and clean. There is no paint, no pockets, no pneumatic lines and valves are delivered with super bright visual feedback. Bürkert's ongoing development in combining control and communications technology with process control hardware is unparalleled. ELEMENT surpasses industry standards in flexibility, simplicity and intuitive thinking, each device being a joy to commission, calibrate and use.

Clean, efficient and looks amazing.

Robolux



Robolux offers the option of designing complex systems in a much more compact package. In downstream processes in particular, the Robolux valve convinces by minimizing volumes and dead volumes. Process time is shortened and the costs for otherwise required valves and diaphragms are reduced to a minimum. Simplification of the piping system and its components results in savings on space requirements, installation and maintenance costs.

Simple and efficient cleaning procedures.

ELEMENT Range of Sensors & Controllers



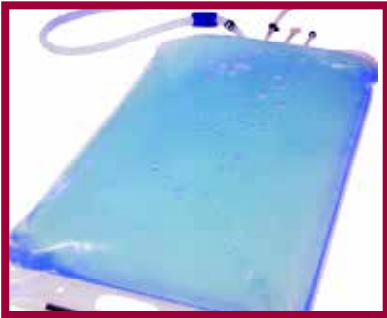
The ELEMENT range is proof that the whole can be a lot more than the sum of its parts. As a modular program they can be combined in a broad array of configurations to be perfectly suited to your exact process. With backlit displays and coloured status lights, you are able to quickly determine diagnostic messages at a glance. They are easy to clean, deliver excellent precision across a wide range of fluids and look stunning. Available for temperature flow, level, pressure and analytics such as pH, DO, Redox, O.R.P and conductivity.

Carboy Containers



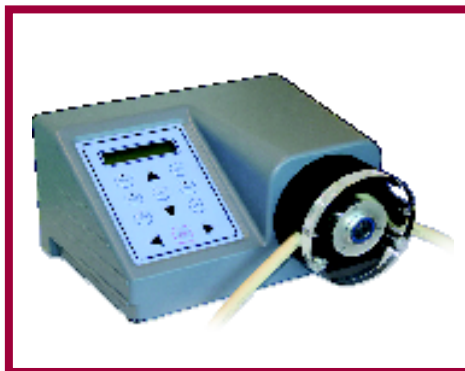
Available in sizes from 5 Ltr to 40 Ltr, the carboy's body includes design features that allow the user to easily hold, lift, fill, clean and pour while the versatile EZ Top cap technology provides interchangeable and leak-proof top connections. The Bio-Simplex carboys are available with or without an autoclavable spigot. They also feature easy-to-read certified graduation marks with $\pm 5\%$ accuracy and large moulded marks for clearly identifiable volume and material. The Bio-Simplex system—carboy, cap, and spigot are autoclavable. The Saint-Gobain Bio-Simplex Carboy Closure System is also offered with the EZ Top Closure assembly for aseptic fluid transfer, sampling or sealing.

BioProcess Containers



With sizes ranging from 50ml to 2,500 Litres, we can produce single use containers of nearly any configuration as well as multiple porting options with 700+ components in-house to choose from. High purity, class VI films (P.E. and E.V.A) are available for manufacture of custom containers as well as the capability to produce 3-D bags from 50 Litres, specific to customer height, width, and depth specifications as well as porting requirements.

Peristaltic Pumps



The Verderflex Scientific range of tube pumps is suitable for bench top and laboratory use. A range of Precision repeatability pumps that gently dose liquids, ideal for fragile cell cultures and broths. Programmable to give repeated multiple doses and can also be remotely controlled by foot switches or external sensors. An easy and hygienic pumping solution with only the tube in contact with the pumped media and tube changeovers in seconds. Verderflex Smart and the Verderflex Scientific are available with multiple head options.

Aseptic Mixers



The Kest-Mixer is developed with focus on the aseptic design, mixer performance and user friendliness. From the demands of low mixing volumes, the Kest-Mixer is designed for mixing volumes from 0.2 Ltr to 35,000 Ltr.

The Kest-Mixer is magnetic coupled, without shaft penetration through the tank wall. The Kest-Mixer, KMS, is designed with focus on aseptic design and performance adapted for small volumes. All parts in Stainless Steel and high grade of polish of internal parts. It is developed for critical applications where aseptic design and easy handling is essential, such as SIP/CIP processes.

PFA Products



Our broad product line, including pumps, valves, fittings, integrated manifolds and high-purity tubing, allows us to offer a 'one-stop solution' for our customers. Our high performance components may be integrated to create complete systems that protect sensitive media from contaminants, and withstand highly corrosive chemistries.

Our goal is to become your preferred source for high purity system solutions for your process.

Tanks & Containers



Saint-Gobain Performance Plastics tanks are tough, lightweight and corrosion-resistant. Their seamless design eliminates the major cause of leakage associated with lesser quality plastic tanks. Saint-Gobain Performance Plastics tanks won't wick or crack like fibreglass. Our tanks are easier to maintain and much less expensive than Stainless Steel.

Saint-Gobain Performance Plastics tanks are rotationally moulded in a variety of high-quality virgin resin materials to match your specific application.

Kest-Lock



The Kest-Lock unites advantages of a traditional TC-clamp with an aseptic tank connection, in a new innovative design.

Kest-Lock with the unique quick coupling and the aseptic weld-in flange gives a flush surface inside the tank. It is developed for critical applications where aseptic design, easy and safe handlings are essential. The operation of the Kest-Lock requires no tools for connect or disconnect equipment. The design of the snap-rings makes it easy to connect equipment with a safe and simple snap action.

360 Sampling



360 is simply compatible with either an NA port or a 1 1/2" laddish size sanitary connector. There is no longer a need to have specific hardware or expensive porting machined to your vessel. Disconnecting your sample from the device is equally simple. Advanced Scientifics has developed a disposable disconnect which makes a 'cut and seal' action. This disconnect accomplishes this without the use of secondary tools. Only the operator's hands are needed to safely remove the sample from the device.

Sanisure



Sanisure Clamps work by providing conforming compression on sanitary clamp fittings. The result is even clamping force on the entire fitting surface that no traditional 'rigid' clamp design can achieve. Works equally well on disposable and BPE stainless sanitary clamp fittings in any combination.

The system prevents leakage caused by over tightening of traditional clamps and reduces gasket intrusion caused by traditional two point load clamps.

Storz	122 – 124
Roman Seliger	125 – 127
Guillemin-Symmetrique	128 – 130



DIN Coupling Systems

Storz Couplings



A straight-through coupling, in which both halves are identical. Each half has forward projecting lugs and mating recesses. Any two parts with the same lug dimensions will connect together.

This is the standard German tanker connection.

- 1 Available in Aluminium, Brass and Stainless Steel.
- 1 ½" to 10" size range.

- 1 Hose Tails, fixed or swivel BSP or NPT threaded options.
- 1 Working pressures up to 240 PSI (16 bar).
- 1 Smooth bores help prevent product build up.
- 1 Different lug spaced units can be used to prevent accidental cross line contamination.
- 1 Lightweight and simple to connect.

Applications

The Storz system was originally designed for fire fighting equipment. It is suitable for water and a wide range of other fluids. It has also been adopted for use with powder blowing systems.

How it Works

The coupling is connected by simply locating the lugs into the recesses of

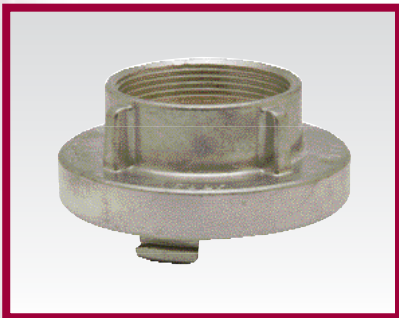
each half and turning clockwise up to the stop. One half of the coupling normally has a swivel head which prevents hose/pipe twists when connecting. Couplings can be connected by hand or with the aid of spanners designed for the purpose.

The standard coupling material is Aluminium with Nitrile Rubber Seal. The coupling is also available in Brass and Stainless Steel and other seal materials in white food quality Nitrile, Viton and Silicone are also available. Safety options include locking devices, limit and proximity switches for electronic signalling of filling processes.

The following are the most common sizes in the range:

1" Storz 'D' with 31 mm distance between lugs	3" Storz 'B' with 89mm distance between lugs
2" Storz 'C' with 66mm distance between lugs	4" Storz 'A' with 133mm distance between lugs

Fixed Female BSP Parallel



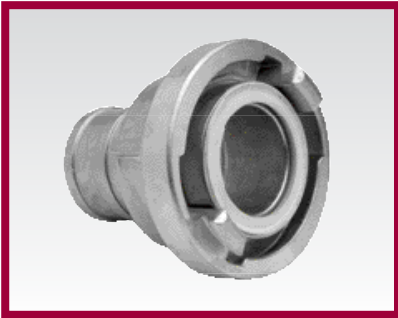
Nominal Size ins	Lug (KA)	ALUMINIUM Code	BRASS Code	STAINLESS STEEL Code
1	31	3/D - 1	3/D - 1-M	3/D - 1-SS
1	66	3/C - 1	3/C - 1-M	3/C - 1-SS
1 ¼	52	3/38 - 1 ¼	3/38 - 1 ¼-M	3/38 - 1 ¼-SS
1 ½	52	3/38 - 1 ½	3/38 - 1 ½-M	3/38 - 1 ½-SS
1 ½	66	3/C - 1 ½	3/C - 1 ½-M	3/C - 1 ½-SS
2	66	3/C - 2	3/C - 2-M	3/C - 2-SS
2	81	3/65 - 2	3/65 - 2-M	3/65 - 2-SS
2	89	3/B - 2	3/B - 2-M	3/B - 2-SS
2 ½	66	3/C - 2 ½	3/C - 2 ½-M	3/C - 2 ½-SS
2 ½	81	3/65 - 2 ½	3/65 - 2 ½-M	3/65 - 2 ½-SS
3	89	3/B - 3	3/B - 3-M	3/B - 3-SS
4	115	3/100 - 4	3/100 - 4-M	3/100 - 4-SS
4	133	3/A - 4	3/A - 4-M	3/A - 4-SS

Fixed Male BSP Parallel



Nominal Size ins	Lug (KA)	ALUMINIUM Code	BRASS Code	STAINLESS STEEL Code
¾	31	4/D - ¾	4/D - ¾-M	4/D - ¾-SS
1	31	4/D - 1	4/D - 1-M	4/D - 1-SS
1	44	4/32 - 1	4/32 - 1-M	4/32 - 1-SS
1 ½	66	4/C - 1 ½	4/C - 1 ½-M	4/C - 1 ½-SS
2	66	4/C - 2	4/C - 2-M	4/C - 2-SS
2	81	4/65 - 2	4/65 - 2-M	4/65 - 2-SS
2 ½	89	4/B - 2 ½	4/B - 2 ½-M	4/B - 2 ½-SS
3	89	4/B - 3	4/B - 3-M	4/B - 3-SS
4	133	4/A - 4	4/A - 4-M	4/A - 4-SS

Double Ribbed Hose Tail with Swivel Coupling Head



Consists of a clamp fitting, the tail piece mounted inside the clamp remains static when clamp is turned. A circlip also prevents the clamp sliding onto the hose.

Nominal Size ins	Lug (KA)	ALUMINIUM Code	BRASS Code	STAINLESS STEEL Code
3/4	31	2/D - 19	2/D - 19-M	2/D - 19-SS
1	31	2/D - 25	2/D - 25-M	2/D - 25-SS
1	44	2/32 - 25	2/32 - 25-M	2/32 - 25-SS
1 1/4	66	2/C - 32	2/C - 32-M	2/C - 32-SS
1 1/2	66	2/C - 38	2/C - 38-M	2/C - 38-SS
2	66	2/C - 52	2/C - 52-M	2/C - 52-SS
2 1/2	81	2/65 - 65	2/65 - 65-M	2/65 - 65-SS
2 1/2	89	2/B - 65	2/B - 65-M	2/B - 65-SS
3	89	2/B - 75	2/B - 75-M	2/B - 75-SS
4	133	2/A - 100	2/A - 100-M	2/A - 100-SS

Swivelling Adaptor – Female Thread



Hose twisting can cause connected fittings to move. Using an adaptor with a ball bearing threaded tail piece allows the fitting to swivel to match the movement of the hose.

Nominal Size ins	Lug (KA)	ALUMINIUM Code	BRASS Code	STAINLESS STEEL Code
1 1/2	66	3/C - 1 1/2 SWIVEL	3/C - 1 1/2 SWIVEL-M	3/C - 1 1/2 SWIVEL-SS
2	66	3/C - 2 SWIVEL	3/C - 2 SWIVEL-M	3/C - 2 SWIVEL-SS
3	89	3/B - 3 SWIVEL	3/B - 3 SWIVEL-M	3/B - 3 SWIVEL-SS
4	133	3/A - 4 SWIVEL	3/A - 4 SWIVEL-M	3/A - 4 SWIVEL-SS

Reducers



For connection from one nominal size to a different nominal size. When the adaptors are connected to the coupling, the ribs of the clamp fitting are opposite each other when fully coupled.

Nominal Size Lug (KA)	ALUMINIUM Code	BRASS Code	STAINLESS STEEL Code
89/66	B/C	B/C-M	B/C-SS
133/89	A/B	A/B-M	A/B-SS

DIN Coupling Systems

Storz Couplings

Adaptor with Additional Locking Device

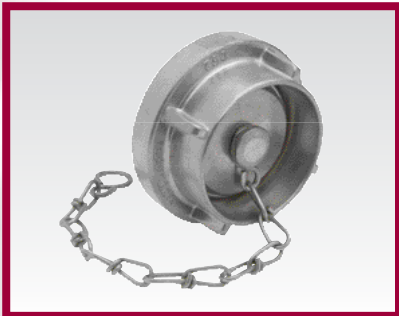


Hose Coupling with Additional Locking Device



In the case of pneumatic conveying of powder and granulates in hoses with quick connection couplings Storz System, an additional safeguard may be advisable, since strong vibration and the torsional stresses often present in hose lines might cause uncoupling during operation.

Blank Cap c/w Chain



Used to close off fitted connections.

Nominal Size ins	Lug (KA)	ALUMINIUM Code	BRASS Code	STAINLESS STEEL Code
3/4	31	8/D	8/D-M	8/D-SS
1	44	8/32	8/32-M	8/32-SS
1 1/2	66	8/C	8/C-M	8/C-SS
2	81	8/65	8/65-M	8/65-SS
3	89	8/B	8/B-M	8/B-SS
4	115	8/100	8/100-M	8/100-SS
4	133	8/A	8/A-M	8/A-SS

Spanners



Description	Code
B/C Spanner in Steel	BC-SPANN
A/B/C Spanner in Malleable Iron	ABCSPANDEMI

Delivery Seals

Nominal Size Ins	Lug (KA)	BUNA White Code	BUNA Black Code	VITON Code
1	66	69/CD	69/CD-Black	69/CD-VITON
2	89	69/BD	69/BD-Black	69/BD-VITON

Suction Seals

Nominal Size Ins	Lug (KA)	BUNA White Code	BUNA Black Code	VITON Code
3/4	31	69/D	69/D-Black	69/D-VITON
1	66	69/C	69/C-Black	69/C-VITON
1 1/2	81	69/65	69/65-Black	69/65-VITON
2	89	69/B	69/B-Black	69/B-VITON
3	115	69/100	69/100-Black	69/100-VITON
4	133	69/A	69/A-Black	69/A-VITON

DIN Coupling Systems

Roman Seliger

Roman Seliger couplings ensure consistent and safe retention of hose inserts into Rubber and plastic hose. Male and Female hose assemblies with

a smooth Hose Tail with a collar for safety clamps are available in a wide range of materials and sizes from ½" through to 8".

Included in the Roman Seliger range are Tank Wagon (TW) couplings in Aluminium, Brass and Stainless Steel, once the norm in Germany but often now found here in the UK.

RS Hose Fittings



Material

Aluminium, Stainless Steel and Brass

Available Sizes

DN 13 x 5 (½") to DN 100 x 8 (4")

Threads

G ½" to 4"

BSP Parallel to ISO 228, NPT and NPS also available

Nominal Pressure

25 bar Stainless Steel, Brass, 16 bar Aluminium.

Potential Areas of Application

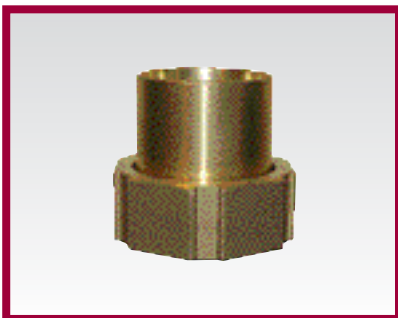
- 1 Chemical industry
- 1 Pharmaceutical industry
- 1 Petrochemical industry
- 1 Food industry
- 1 Blast furnaces

Technical Advantages

- 1 Flat-faced thread
- 1 Only slight protrusion
- 1 Tight connection
- 1 Easy handling
- 1 Fast installation without a workshop
- 1 Fittings are reusable
- 1 High resistance to compression and secure bond 25 bar
- 1 For large nominal sizes (DN 125 and up) flanged fittings instead of thread

Standards

- 1 Conforms to EN/ISO 14420-2/-3/-5 (DIN 2817)



Nominal Size		Thread	BRASS Code	STAINLESS STEEL Code
DN	Inch			
Female Threaded, Swivel with Smooth Hose Shank to DIN 2817				
13	½	BSP	RS050F-BR	RS050F-SS
19	¾	BSP	RS075F-BR	RS075F-SS
25	1	BSP	RS100F-BR	RS100F-SS
32	1 ¼	BSP	RS125F-BR	RS125F-SS
38	1 ½	BSP	RS150F-BR	RS150F-SS
50	2	BSP	RS200F-BR	RS200F-SS
63	2 ½	BSP	RS250F-BR	RS250F-SS
75	3	BSP	RS300F-BR	RS300F-SS
100	4	BSP	RS400F-BR	RS400F-SS
Male Threaded, Swivel with Smooth Hose Shank to DIN 2817				
13	½	BSP	RS050M-BR	RS050M-SS
19	¾	BSP	RS075M-BR	RS075M-SS
25	1	BSP	RS100M-BR	RS100M-SS
32	1 ¼	BSP	RS125M-BR	RS125M-SS
38	1 ½	BSP	RS150M-BR	RS150M-SS
50	2	BSP	RS200M-BR	RS200M-SS
63	2 ½	BSP	RS250M-BR	RS250M-SS
75	3	BSP	RS300M-BR	RS300M-SS
100	4	BSP	RS400M-BR	RS400M-SS

DIN Coupling Systems

Roman Seliger

RS Gaskets/Seals

Nominal Size		VULKOLAN
DN	Inch	Code
13	1/2	RSGSK050-VULKOLAN
19	3/4	RSGSK075-VULKOLAN
25	1	RSGSK100-VULKOLAN
32	1 1/4	RSGSK125-VULKOLAN
38	1 1/2	RSGSK150-VULKOLAN
50	2	RSGSK200-VULKOLAN
63	2 1/2	RSGSK250-VULKOLAN
75	3	RSGSK300-VULKOLAN
100	4	RSGSK400-VULKOLAN



RS Clamps



The Roman Seliger reusable clamp incorporates a lip, which is designed to engage behind an annular security collar on the hose stem to positively prevent hose 'blow off'.

The clamps are heavily under-ribbed to provide excellent grip, and when correctly selected and fitted, the hose is compressed between the hose stem and the clamp in a similar fashion to a swaged fitting.

Roman Seliger clamps are of a streamline design and the bolts sit in a recess which leaves no projections to snag or injure an operator.

Roman Seliger clamps are available in Aluminium, Brass and Stainless Steel.

Nominal Size			ALUMINIUM	BRASS	STAINLESS STEEL
Hose	Min - Max	Bolts	Code	Code	Code
RS Clamps according to Din 2817					
13 x 5.0	22 - 24	M6x20	RS13X5-AL	RS13X5-BR	RS13X5-SS
19 x 6.0	30 - 33	M6x20	RS19X6-AL	RS19X6-BR	RS19X6-SS
25 x 6.0	36 - 39	M6x20	RS25X6-AL	RS25X6-BR	RS25X6-SS
32 x 6.0	43 - 46	M6x20	RS32X6-AL	RS32X6-BR	RS32X6-SS
38 x 6.5	50 - 52	M6x20	RS38X6.5-AL	RS38X6.5-BR	RS38X6.5-SS
50 x 8.0	64 - 67	M8x25	RS50X8-AL	RS50X8-BR	RS50X8-SS
50 x 10.0	69 - 71	M8x25	RS50X10-AL	RS50X10-BR	RS50X10-SS
63 x 8.0	78 - 82	M8x25	RS63X8-AL	RS63X8-BR	RS63X8-SS
63 x 10.0	84 - 87	M8x25	RS63X10-AL	RS63X10-BR	RS63X10-SS
75 x 8.0	89 - 93	M8x25	RS75X8-AL	RS75X8-BR	RS75X8-SS
75 x 10.0	94 - 97	M8x25	RS75X10-AL	RS75X10-BR	RS75X10-SS
100 x 8.0	114 - 119	M12x40	RS100X8-AL	RS100X8-BR	RS100X8-SS
125 x 10.0	143 - 148	M12x50	RS125X10-AL	RS125X10-BR	
150 x 10.0	168 - 174	M12x60	RS150X10-AL		
200 x 12.0	222 - 229	M12x60	RS200X12-AL		

RS Tank Truck Couplings



Material

Stainless Steel, Brass and Aluminium

Standards

Complies with EN/ISO 14420-6 (DIN 28450)

Nominal Pressure

16 bar

Available Sizes

DN 50, 80 and 100

Potential Areas of Application

- 1 Stationary and mobile tanking facilities
- 1 Forwarding/tanking and silo vehicles
- 1 Chemical industry
- 1 Food industry
- 1 Plant and power station construction
- 1 Shipbuilding

Technical Advantages

- 1 No tool necessary
- 1 Fast coupling
- 1 Resistance to vibration because of hinged lever



Nominal Size		Thread	BRASS	STAINLESS STEEL
DN	Inch		Code	Code
Type MK - Female Part - Female Threaded with Locking Handle				
50	2	BSP	RSMK50-BR	RSMK50-SS
80	3	BSP	RSMK80-BR	RSMK80-SS
100	4	BSP	RSMK100-BR	RSMK100-SS
Type VK - Male Part - Female Threaded				
50	2	BSP	RSVK50-BR	RSVK50-SS
80	3	BSP	RSVK80-BR	RSVK80-SS
100	4	BSP	RSVK100-BR	RSVK100-SS
Type MB - Female Cap				
50	2		RSMB50-BR	RSMB50-SS
80	3		RSMB80-BR	RSMB80-SS
100	4		RSMB100-BR	RSMB100-SS
Type VB - Male Plug				
50	2		RSVB50-BR	RSVB50-SS
80	3		RSVB80-BR	RSVB80-SS
100	4		RSVB100-BR	RSVB100-SS

Gaskets for MK

Nominal Size Types	2" Code	3" Code
BUNA	RSGSD050-BUNA	RSGSD75-BUNA
HYPALON	RSGSD050-HYPALON	RSGSD75-HYPALON
VITON	RSGSD050-VITON	RSGSD75-VITON
BUNA	RSTWF050-BUNA	RSTWF75-BUNA
HYPALON	RSTWF050-HYPALON	RSTWF75-HYPALON
VITON	RSTWF050-VITON	RSTWF75-VITON

DIN Coupling Systems

Guillemin-Symmetrique Couplings



A coupling system in which both halves are identical. Couplings have locking rings to connect and secure the other half. This is the French standard tanker connection.

- 1 Available in Aluminium, Brass and Stainless Steel
- 1 ½" to 6" size range
- 1 Hose Tails, BSP or NPT Male and Female threaded options
- 1 Working pressure 240 PSI (16 bar)
- 1 Smooth bores help prevent product build up
- 1 Lightweight and simple to connect
- 1 Complies with EN 14420-8

Applications

For pressure and suction delivery of liquids and solids such as powders and granules.

How it Works

The coupling is connected by simply putting the two halves together and turning a tapered locking ring which tightens into a tapered channel on the other half of the coupling making a tight, secure connection. Couplings can be connected by hand or with the aid of spanners designed for the purpose.

The standard coupling material is Aluminium with Nitrile Rubber seal.

The coupling is also available in Brass and Stainless Steel and optional seal materials in white EPDM, Viton and PTFE are also available.

Threaded couplings are available without the lock ring, but a lock ring must be present on at least one half to enable the connection.

Guillemin-Symmetrique Half Coupling with Lock Ring and Multi-Serrated Hose Tail



Nominal Size			ALUMINIUM
DN	Inch	Thread	Code
40	1 ½		SYM40HLRWS-AL
50	2		SYM50HLRWS-AL
65	2 ½		SYM65HLRWS-AL
80	3		SYM80HLRWS-AL
100	4		SYM100HLRWS-AL

Guillemin-Symmetrique Half Coupling with Lock Ring and Female BSP Parallel Thread



Nominal Size			ALUMINIUM
DN	Inch	Thread	Code
40	1 ½	BSP	SYM40FLRWS-AL
50	2	BSP	SYM50FLRWS-AL
65	2 ½	BSP	SYM65FLRWS-AL
80	3	BSP	SYM80FLRWS-AL
100	4	BSP	SYM100FLRWS-AL

Guillemin-Symmetrique Half Coupling with Female BSP Parallel Thread without Lock Ring



Nominal Size		Thread	ALUMINIUM Code
DN	Inch		
40	1 ½	BSP	SYM40FWS-AL
50	2	BSP	SYM50FWS-AL
65	2 ½	BSP	SYM65FWS-AL
80	3	BSP	SYM80FWS-AL
100	4	BSP	SYM100FWS-AL

Guillemin-Symmetrique Half Coupling with Lock Ring and Male BSP Parallel Thread



Nominal Size		Thread	ALUMINIUM Code
DN	Inch		
40	1 ½	BSP	SYM40MLRWS-AL
50	2	BSP	SYM50MLRWS-AL
65	2 ½	BSP	SYM65MLRWS-AL
80	3	BSP	SYM80MLRWS-AL
100	4	BSP	SYM100MLRWS-AL

Guillemin-Symmetrique Half Coupling with Male BSP Parallel Thread without Lock Ring



Nominal Size		Thread	ALUMINIUM Code
DN	Inch		
40	1 ½	BSP	SYM40MWS-AL
50	2	BSP	SYM50MWS-AL
65	2 ½	BSP	SYM65MWS-AL
80	3	BSP	SYM80MWS-AL
100	4	BSP	SYM100MWS-AL

Guillemin-Symmetrique Reducing Coupling with Lock Ring



Nominal Size		Thread	ALUMINIUM Code
DN	Inch		
50-40	2 - 1 ½		SYM50X40R-AL
65-40	2 ½ - 1 ½		SYM65X40R-AL
80-40	3 - 2 ½		SYM80X40R-AL
100-40	4 - 2 ½		SYM100X40R-AL
65-50	2 ½ - 2		SYM65X50R-AL
80-50	3 - 2		SYM80X50R-AL
100-50	4 - 2		SYM100X50R-AL
80-65	3 - 2 ½		SYM80X65R-AL
100-65	4 - 2 ½		SYM100X65R-AL
100-80	4 - 3		SYM100X80R-AL

DIN Coupling Systems

Guillemin-Symmetrique Couplings

Guillemin-Symmetrique Blank Cap with Lock Ring and c/w Chain



Nominal Size		ALUMINIUM
DN	Inch	Code
40	1 ½	SYM40BCWS-AL
50	2	SYM50BCWS-AL
65	2 ½	SYM65BCWS-AL
80	3	SYM80BCWS-AL
100	4	SYM100BCWS-AL

Guillemin-Symmetrique Blank Cap c/w Chain without Lock Ring



Nominal Size		ALUMINIUM
DN	Inch	Code
40	1 ½	SYM40BPWS-AL
50	2	SYM50BPWS-AL
65	2 ½	SYM65BPWS-AL
80	3	SYM80BPWS-AL
100	4	SYM100BPWS-AL



Polypropylene

- 1 Available in 4" only
- 1 Code SYM100BPWS-PP

Guillemin-Symmetrique Gaskets/Seals

Nominal Size		BUNA White	BUNA Black	VITON	PTFE
DN	Inch	Code	Code	Code	Code
40	1 ½	SYM40WS	SYM40BS	SYM40VS	SYM40PTFE
50	2	SYM50WS	SYM50BS	SYM50VS	SYM50PTFE
65	2 ½	SYM65WS	SYM65BS	SYM65VS	SYM65PTFE
80	3	SYM80WS	SYM80BS	SYM80VS	SYM80PTFE
100	4	SYM100WS	SYM100BS	SYM100VS	SYM100PTF

Flow Meters	132
Hose Reel for Diesel	132
Hand Pumps	133
Rotary Hand Pumps	134
Manual Nozzles	135
Automatic Nozzles	136
Gravity Hose Kits	136



Fuel Handling Products

Flow Meters

"All these mechanical flow meters are reliable, inexpensive, easy to install and simple to calibrate in the workplace."



Piusi K33 & K44 – 1" Flow Meter

Suitable for use with Diesel and Biodiesel to B100.

- 1 Aluminium housing and cover
- 1 20 to 120 L/min. Max pressure: 142 PSI (10 bar)
- 1 1" BSPF ports
- 1 Accuracy of +/- 2° with calibration

- 1 K33 model = 3 digit register; K44 model = 4 digit register
- 1 Front face can be rotated in 90° increment
- 1 Available 10:1 pulser fitted to K44 model only



FILL-RITE 807 – 1" Flow Meter

Suitable for use with Diesel and Biodiesel to B30.

- 1 Aluminium housing and cover
- 1 19 to 75 L/min. Max pressure: 50 PSI (3.5 bar)
- 1 1" BSPF ports

- 1 Accuracy of +/- 2° with calibration
- 1 3 digit register
- 1 Front face can be rotated in 90° increment
- 1 Option – 10:1 pulser fitted to K44 model only



FILL-RITE 806 – 1" Flow Meter

Suitable for use with Diesel and Biodiesel to B30.

- 1 Aluminium housing and cover
- 1 19 to 75 L/min. Max pressure: 50 PSI (3.5 bar)
- 1 1" BSPF ports
- 1 Accuracy of +/- 2° with calibration

- 1 3 digit register
- 1 Front Face can be rotated in 90° increment
- 1 Integral inlet strainer, 400 micron
- 1 Option – 10:1 pulser fitted to K44 model only

Hose Reel for Diesel



Hose Reel for Diesel 3/4" – HRO20.19

Suitable for use with Diesel and Biodiesel to B30.

- 1 Steel construction, powder-coated finish
- 1 Retractable
- 1 Can be used with pumps up to 70 L/min (20° flow restriction)
- 1 Max pressure: 90 PSI (6 bar)

- 1 Choice of 8m or 14m of 1" hose with reel with 1m of inlet hose
- 1 Bare reel: takes either 14m x 1" hose or 20m x 3/4" hose
- 1 Never connect rigid pipework into inlet

Hand Pumps



Liquid Extraction Vacuum Pump

Suitable for Fuels, Water, Oils and many other liquids.

- 1 Device that both sucks and stores extracted liquids
 - 1 Oil from vehicles, water from banded fuel tanks, bilges etc
 - 1 Supplied with suction probes to fit most applications
 - 1 Lightweight and portable
- HP.SUC2 – 2.7 litre capacity
HP.SUC6 – 6.0 litre capacity
HP.SUC17 – 17.0 litre capacity



Two in One Vacuum Pump – HP.SUC6B

- 1 Same as 6 litre capacity version above (HP.SUC6), but is capable of emptying its own tank as it is bi-directional
- 1 Automatically sucks/fills and empties/ discharges
- 1 Sucks 6 litres of water in 2 ½ minutes and empties in 30 seconds as well



Lift Pump – Gear Oil HPGO.L

Suitable for use with High Viscosity Oils.

- 1 Polypropylene pump, Mild Steel piston, and Nitrile seals
- 1 Dispenses approx. 100ml per stroke
- 1 1.5m outlet hose with spout
- 1 Two adaptors supplied as standard for Plysu (60mm dia) and / Trisure (56mm dia) threads



Lift Pump – Polypropylene HPLPL

Suitable for use with Diesel, Biodiesel to B100 and Oils to SAE 90.

- 1 Polypropylene pump and Viton seals
- 1 Dispenses approx. 250ml per stroke
- 1 Outlet spout can be removed to reveal ¾" Hose Tail
- 1 Two adaptors supplied as standard for Plysu (60mm dia) and / Trisure (56mm dia) threads



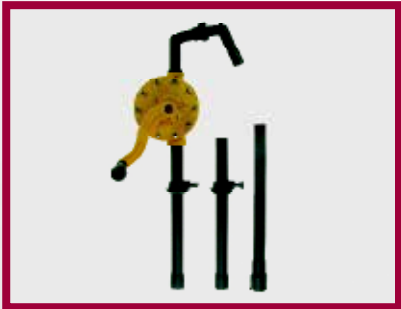
Lever Hand Pump Kit – AdBlue® HPPK

Suitable for use with AdBlue® and other water based fluids, antifreeze, herbicide, pesticides, insecticides and fertilisers.

- 1 Wetted components Polyacetal, Polypropylene and Viton
- 1 2" BSPM drum adaptor
- 1 2 piece suction pipe with part telescopic (98cm)
- 1 2m x ¾" outlet hose (flexible corrugated PVCs)
- 1 Temperature range -5°C (23°F) to 45°C (115°F)

Fuel Handling Products

Rotary Hand Pumps



Rotary Hand Pump – Polypropylene

Suitable for use with Diesel, Biodiesel to B100 or Oils to SAE 90, water based solutions of Acids, Alkalis and Salts.

1 Polypropylene construction with Viton seals

- 1 3 piece suction pipe
- 1 Capable of up to 25 L/min
- 1 2" BSPM drum adaptor



Rotary Hand Pump – PVC

Suitable for use with most Chemicals and Acid based products.

1 PVC construction with PTFE vanes and Hastelloy springs

- 1 3 piece suction pipe
- 1 Capable of up to 25 L/min
- 1 2" BSPM drum adaptor



Rotary Hand Pump – Ryton

Suitable for use with Liquid Foodstuffs, Juice, Milk, Wine, Cooking Oils, Water, Vinegar and Liquid Additives.

1 Ryton PPS and 304 construction

- 1 3 piece suction pipe
- 1 Capable of up to 25 L/min
- 1 2" BSPM drum adaptor



Rotary Hand Pump – Stainless Steel

Suitable for use with Chemicals, Solvents, Acids, Acetones, Alcohols, Mineral Oils and Sodium Solutions.

1 304 Stainless Steel construction

- 1 3 piece suction pipe
- 1 Capable of up to 25 L/min
- 1 2" BSPM drum adaptor



Rotary Hand Pump – Cast Iron

Suitable for use with Diesel, Biodiesel to B30 and Oils to SAE 90.

1 Compact Cast Iron
1 3 piece suction pipe

- 1 Capable of up to 25 L/min
- 1 2" BSPM drum adaptor
- 1 Ideal for Trade Counter Sales

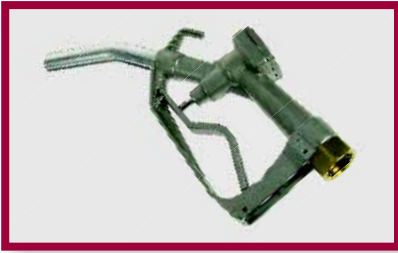
Manual Nozzles



NOZ.S2A or NOZ.S2AB – with Hose Tail

Only suitable with Diesel or Biodiesel up to B30.

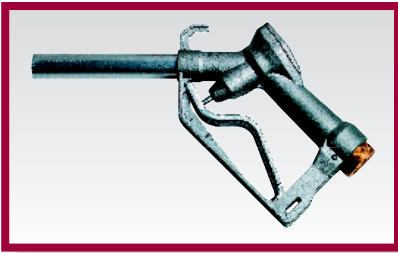
- 1 Cast Aluminium body, 1" BSPF swivel inlet
- 1 Can be used with gravity feed tanks or electric pumps
- 1 Integral hook for tidy storage
- 1 Max pressure: 50 PSI (3.5 bar); Max flow: 80 L/min
- 1 Also available with 1" swivel Brass Hose Tail



NOZ.S2LA

Complete with latch for use with hand pumps only.

- 1 Latch must be removed for all other applications
- 1 Cast Aluminium body, 1" BSPF swivel inlet
- 1 Can be used with gravity feed tanks or electric pumps
- 1 Integral hook for tidy storage
- 1 Max pressure: 50 PSI (3.5 bar); Max flow: 80 L/min



Piusi SELF 2000 – 641000

Suitable for use with Diesel, Biodiesel up to B100 and Oils to SAE 90.

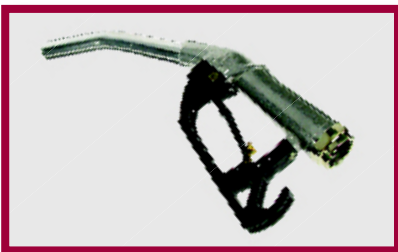
- 1 Aluminium body enclosed in a plastic shell making it comfortable when used at low temperatures
- 1 1" BSPF swivel inlet
- 1 Can be used with gravity feed tanks or electric pumps
- 1 Integral hook for tidy storage
- 1 Max pressure: 71 PSI (5 bar); Max flow: 120 L/min



Piusi SELF 3000 – 650000

Suitable for use with Diesel, Biodiesel up to B100 and Oils to SAE 90.

- 1 Aluminium body enclosed in a plastic shell making it comfortable when used at low temperatures
- 1 1" BSPF swivel inlet
- 1 Can be used with gravity feed tanks or electric pumps
- 1 Integral hook for tidy storage
- 1 Max pressure: 142 PSI (10 bar); Max flow: 150 L/min



ZVA Manual Nozzle – ZV19

Suitable for use with Diesel or Biodiesel up to B5.

- 1 Heavy duty Cast Aluminium body
- 1 Choose pump or gravity feed versions
- 1 1" BSPF fixed inlet with swivel version available
- 1 Max pressure: 36 PSI (2.5 bar); Max flow: 100 L/min



Polyethylene - NOZ.C

- 1 Polyethylene body
- 1 3/4" Hose Tail
- 1 Can be used with gravity feed tanks or electric pumps
- 1 Integral hook for tidy storage
- 1 Max pressure: 29 PSI (2 bar); Max flow: 60 L/min

Fuel Handling Products

Automatic Nozzles For use only with electric pumps



Auto 60

Equipped with a device that automatically shuts off the flow when the tank is full.

- 1 Strong and comfortable Aluminium housing encased in Rubber
- 1 Complete with 1" BSPF swivel connector

- 1 The lever protection prevents accidental dispensing
- 1 Pressure: 50 PSI (3.5 bar); Max flow: 70 L/min



Auto 80

Equipped with a device that automatically shuts off the flow when the tank is full.

- 1 Strong and comfortable Aluminium housing encased in Rubber
- 1 Complete with 1" BSPF swivel connector

- 1 The lever protection prevents accidental dispensing.
- 1 Lightweight
- 1 Pressure: 50 PSI (3.5 bar); Max flow: 90 L/min



Economy Auto – Noza 120S & Noza 60S

Equipped with a device that automatically shuts off the flow when the tank is full. Suitable for use with Diesel, Biodiesel up to B30.

- 1 Strong and comfortable Aluminium housing encased in Rubber
- 1 Complete with 1" BSPF swivel connector

- 1 The lever protection prevents accidental dispensing
- 1 Standard version: Max pressure: 50 PSI (3.5 bar); Max flow 62 L/min
- 1 Hi-Speed version: Pressure: 50 PSI (3.5 bar); Max flow 120 L/min
- 1 Reducing bush available to make inlet swivel 3/4" BSPF



ZVA Auto Nozzle (ZV25)

Equipped with a device that automatically shuts off the flow when the tank is full. Suitable for use with Diesel, Biodiesel up to B5.

- 1 Heavy duty Cast Aluminium body

- 1 3 position stay open latch
- 1 1" BSPF swivel inlet
- 1 Max pressure: 7 - 50 PSI (0.5 - 3.5 bar); Max flow: 140 L/min

Gravity Hose Kits



Gravity Hose Kits

Suitable for use with Diesel, Biodiesel up to B30.

- 1 Provides simple and quick diesel dispensing
- 1 25mm delivery hose

- 1 Packaged kits include: locking inline gate valve or locking angle kit/ Aluminium manual trigger nozzle c/w 1" BSPF swivel and hose
- 1 3, 4, 5 and 6m hose kits available

Steam Coupling System



Steam Coupling System

Steam Couplings & Clamps

HP Series Safety Clamp & Couplings

Application

HP Coupling Systems are designed for steam and high pressure compressed air and other high pressure or hazardous applications requiring a safety coupling and clamp assembly. This reusable, rugged coupling series can be fitted or re-attached in the field without special equipment.

Widely used in oil refineries, chemical plants and other factories using steam as an essential service. Used for compressed air (especially in larger sizes), in quarrying, mining, pile driving, as well as other service duties. Also used for LPG, grouting, volatile liquids and similar applications.

Working Pressures

Maximum safe working pressures are 3,750 PSI (259 bar) for 1/2" size, decreasing to 1,000 PSI (69 bar) for 1" size, provided clamps are correctly selected and properly fitted to an appropriate hose.

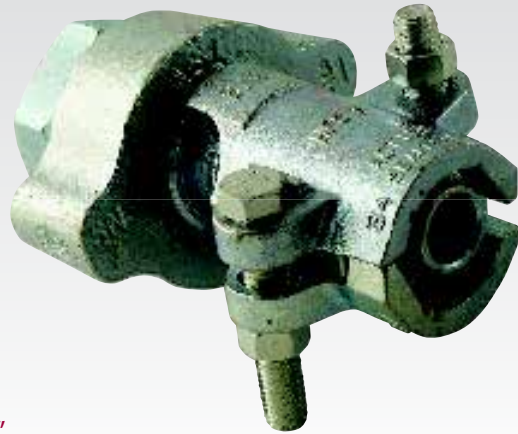
HP Series Safety Clamps (HPC)

The clamps are reusable and of robust construction. The principal feature is the extended finger, boss or protrusion which is designed to engage behind the annular security collar of the Male or Female coupling. The clamps are interlocking and under-ribbed to provide a secure grip on the hose. The clamps incorporate a 'bolt-shelf' for one handed spanner tightening. Alternative sizes are available to suit hoses of various outside diameters, and each clamp is clearly marked with the hose outside diameter range and part number. Clamps up to 3/4" size have two bolts. 1" clamps have four bolts.

Clamps must be selected according to hose outside diameter size.

Modern hoses vary greatly in composition, diameter and thickness. Great care should be taken to ensure the right clamp is fitted whereby the clamp 'finger' overlaps the Hose Tail collar without meeting the Hose Tail itself. The clamp halves should also leave a consistent gap when tightened.

Metal Bar Construction



1/2" and 3/4"



1"

Material

#35 Steel

Threads

BSP or NPT



These figures are given as a guideline only. Service conditions, hose construction and the manner in which coupling and clamps are fitted will usually be the determining factors.

Steam is a highly dangerous medium and every care should be taken to fit the correct size of safety clamp for the hose in use in order to prevent blow-off. If in doubt, consult an experienced hose distributor.

HP Series Safety Couplings

The HP Series Coupling System consists of:



Female Stem (GJS)

A hose stem with multi-serrated tail and collar for a safety clamp.

Sizes: 1/2", 3/4" and 1"
Material: Steel Bar

Sizes: 1 1/4", 1 1/2" and 2"
Material: Cast

For Steam and
Air Hoses see pages
86, 93 and 94



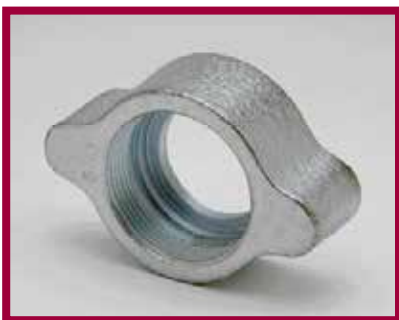
Spud (GJFS)

The spud is normally Female threaded and fitted to the plant equipment. The spud also has a 'coned seat' which is fitted with a 'Copper/Brass insert' to provide the ground joint or 'GJ' soft to hard metal washerless sealing feature. The Male NPS thread is for connection to the swivel nut only.

Sizes: 1/2", 3/4" and 1"
Material: Steel Bar

Sizes: 1 1/4", 1 1/2" and 2"
Material: Cast

Thread: BSP and NPT



Swivel Nut (SN)

The 'knock-on' swivel has an NPS Female thread to connect to the NPS Male thread on the spud. This thread is different in size to the coupling nominal thread size so that it cannot be connected direct to pipe work without first fitting the spud, thus ensuring the 'built-in' high pressure sealing characteristics. The swivel is of robust construction to withstand abuse and provide the 'knock-on' facility for connection and disconnection without spanners.



Male Stem (MS)

A Male threaded hose stem with multi-serrated tail and collar for a safety clamp.

Sizes: 1/2", 3/4" and 1"
Material: Steel Bar

Sizes: 1 1/4", 1 1/2" and 2"
Material: Cast

Thread: BSP and NPT

Steam Coupling System

Steam Couplings & Clamps

HPC Clamps

Hose ID		Hose OD ins		Hose OD mm		Bolts	Clamp
ins	mm	min	max	min	max	Qty	Code
1/2	13	27/32	31/32	21	25	2	HPC01
1/2	13	1	1 1/8	25	29	2	HPC02
1/2	13	1 1/8	1 7/32	29	31	2	HPC03
3/4	19	1 7/32	1 11/32	31	34	2	HPC04
3/4	19	1 7/32	1 5/16	30	33	2	HPC04U
3/4	19	1 11/32	1 15/32	34	37	2	HPC05
3/4	19	1 15/32	1 19/32	37	40	2	HPC06
1	25	1 17/32	1 21/32	39	42	4	HPC08

Couplings

Hose ID	mm	Coupling
ins		Code
Male Stem (without Clamps) BSP. For NPT, Add -NPT to code below		
1/2	13	MS050
3/4	19	MS075
1	25	MS100
1 1/4	32	MS125
1 1/2	40	MS150
2	50	MS200
Ground Joint Female Assembly (without Clamps) BSP. For NPT, Add -NPT to code below		
1/2	13	GJA050
3/4	19	GJA075
1	25	GJA100
1 1/4	32	GJA125
1 1/2	40	GJA150
2	50	GJA200

Components of GJ (Ground Joint Assembly)

Hose ID	mm	GJ Hose Stem	SWIVEL NUT	GJ FEMALE SPUD
Ins		Code	Code	Code
1/2	13	GJS050	SN02	GJFS050
3/4	19	GJS075	SN07	GJFS075
1	25	GJS100	SN07	GJFS100
1 1/4	32	GJS125	SN17	GJFS125
1 1/2	40	GJS150	SN17	GJFS150
2	50	GJS200	SN27	GJFS200

Combination Nipples

Combination Nipples	142
Hose Menders	142



Combination Nipples

Combination Nipples

“For all suction and discharge hose applications”



A precision-machined steel combination nipple of swaged construction to enable smooth flow.

- 1 Maximum number of serrations for maximum holding power
- 1 Long lead serration for easier hose insertion
- 1 Formed hex wrench area on 3/4" to 2" for easier installation
- 1 1/2" to 4" sizes
- 1 BSP or NPT threads
- 1 Made from Steel Q235
- 1 Seamed tube
- 1 Working pressures from 350 PSI on 1/2" to 2" and 250 PSI on 2" to 4".

Applications

For oil, petroleum, water (widely used in offshore rig operations by oil companies), volatile fluids, abrasives and dry products.

Advantages

Nipples are designed to eliminate the need for enlarged or cuffed hose ends, since the hose stem is swaged to suit the respective Hose I.D. size. The hose stem is multi-serrated and correctly profiled for secure hose grip when effectively clamped. Nipples are free from lugs or projections into which can be threaded a wide variety of coupling types which can easily be replaced when damaged without disturbing the hose end.



Nominal Size BSP		NPT	
ins	mm	Code	Code
1/2	13	CN050	CN050
3/4	19	CN075	CN075
1	25	CN100	CN100
1 1/4	32	CN125	CN125
1 1/2	40	CN150	CN150-NPT
2	50	CN200	CN200-NPT
2 1/2	65	CN250	CN250-NPT
3	75	CN300	CN300-NPT
4	100	CN400	CN400-NPT

Hose Menders



Hose Menders are serrated on both sides for the quick and easy connection/repair of hose connections/assemblies.

- 1 Sizes from 3/4" (19) to 4" (100)
- 1 Made from Steel Q235
- 1 Seamed tube
- 1 Working pressures from 350 PSI on 1/2" to 2" and 250 PSI on 2" to 4".

Code	HJ075	HJ100	HJ150	HJ200	HJ300	HJ400
Inches	3/4"	1"	1 1/2"	2"	3"	4"
Metric	19	25	38	50	75	100

Air Pressure Fittings

'Safeloc' Coupling	144
'Universal' Coupling	145
'Q' Claw Coupling	146
'Mody' Claw Coupling	147
Claw Coupling Stainless Steel	147
Claw Coupling Forged	147
Double Bolt Clamps	148
Whipcheck	149
Air Hose	150



Air Pressure Fittings

'Safeloc' Couplings

A safety coupling with a 'Pin Lock' feature to prevent accidental disconnection. Interchangeable with existing 'Q' type European Standard Claw Coupling.

The coupling is available as hose end, Female threaded adaptor and Male threaded adaptor. The locking head conforms to the European standard design and incorporates a special 'Pin Lock' safety feature with pin holes on

each side of the locking head. The pin holes line up, enabling use of the safety 'Lock Pin' to ensure positive locking and prevent accidental disconnection.

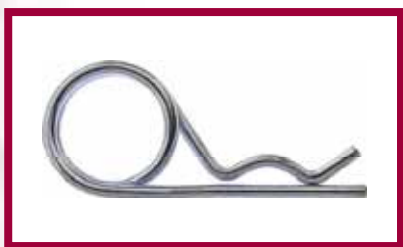
A security collar is on the hose stem enabling use of our HP Clamps to prevent hose 'blow off'.

For medium to high pressure compressed air applications, using the standard seal (URS55) and low pressure stem applications, using the EPDM seal (URSEPDm).

1 Manufactured in Malleable Iron with Zinc Plated finish.

1 Available in sizes 1/2" to 1".

1 Working pressure (air) to 10 bar using standard seal (URS55).



For Hose I.D. ins	Thread mm	Safeloc	Code	Pressure
Hose Claw Coupling				
1/2	13		QSH050	10 bar
3/4	19		QSH075	10 bar
1	25		QSH100	10 bar
Female Claw Coupling				
1/2	13	G 1/2"	QSF050	10 bar
3/4	19	G 3/4"	QSF075	10 bar
1	25	G 1"	QSF100	10 bar
Male Claw Coupling				
1/2	13	G 1/2"	QSM050	10 bar
3/4	19	G 3/4"	QSM075	10 bar
1	25	G 1"	QSM100	10 bar
Seal				
Oil Resistant Seal		Air	URS55	
Steam Resistant Seal		Steam	URSEPDm	
Safety Pin				
Steel Zinc Plated			SLP	

Air Pressure Fittings

'Universal' Couplings

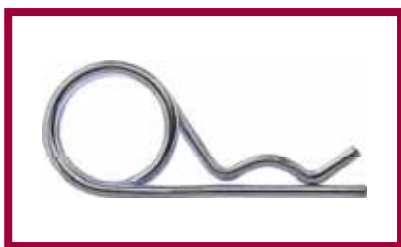
An American style quick action compressed air safety coupling. The coupling is also known as 'AIR KING', 'CHICAGO TYPE', 'LINDY' and 'CROWS-FOOT' which are all interchangeable.

The coupling is available as hose end, Female threaded adaptor and Male threaded adaptor. The locking head conforms to the American standard design and incorporates a special 'Pin Lock' safety feature with pin holes on

each side of the locking head. The pin holes line up enabling use of the safety 'Lock Pin' to ensure positive locking and prevent accidental disconnection. A security collar is on the hose stem enabling use of our HP Clamps to prevent hose 'blow off'.

For medium to high pressure compressed air applications such as oil refineries, chemical plants, offshore rigs and other industrial applications where safety is a concern.

- 1 Manufactured in Malleable Iron with Zinc Plated finish.
- 1 Available in sizes 3/8" to 1".
- 1 Working pressure to 10 bar.



For Hose I.D. Ins	Thread mm	Universal	Code	Pressure
Hose Claw Coupling				
3/8	10		UH037	10 bar
1/2	13		UH050	10 bar
3/4	19		UH075	10 bar
1	25		UH100	10 bar
With Split Pin Installed				
3/8	10	NPT	UHWP037	10 bar
1/2	13	NPT	UHWP050	10 bar
3/4	19	NPT	UHWP075	10 bar
1	25	NPT	UHWP100	10 bar
Female Claw Coupling				
3/8	10	NPT	UF037	10 bar
1/2	13	NPT	UF050	10 bar
3/4	19	NPT	UF075	10 bar
1	25	NPT	UF100	10 bar
With Split Pin Installed				
3/8	10	NPT	UFWP037	10 bar
1/2	13	NPT	UFWP050	10 bar
3/4	19	NPT	UFWP075	10 bar
1	25	NPT	UFWP100	10 bar
Male Claw Coupling				
3/8	10	NPT	UM037	10 bar
1/2	13	NPT	UM050	10 bar
3/4	19	NPT	UM075	10 bar
1	25	NPT	UM100	10 bar
With Split Pin Installed				
3/8	10	NPT	UMWP037	10 bar
1/2	13	NPT	UMWP050	10 bar
3/4	19	NPT	UMWP075	10 bar
Seal				
Oil Resistant Seal			URS55	
Safety Pin				
Steel Zinc Plated			SLP	

Air Pressure Fittings

'Q' Claw Couplings – DIN 3489

A universal coupling, suitable for low to medium compressed air applications, with a world-wide system use for compressed air in construction and industry.

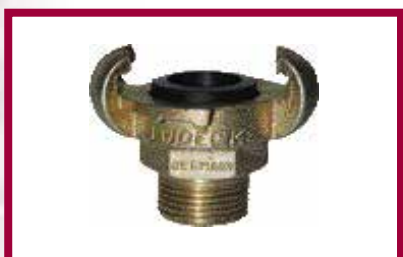
The coupling is available as hose end, with and without safety collar, a Female threaded adaptor and Male threaded

adaptor. A three-way connection with thread ends is also available. The locking head has the 'Double Lock' safety feature and is common to all sizes, enabling simple cross section on all parts irrespective of size.

With oil-resistant seal as standard but

also optional steam (EPDM) and chemical resistant seals. (Viton)

- 1 Manufactured in Malleable Iron with Zinc Plated finish.
- 1 Available in sizes 1/4" to 1".
- 1 Maximum working pressure to 10 bar.



For Hose I.D. ins	Thread mm	Q Type	Code	Pressure
Hose Claw Coupling				
3/8	10		QH037	10 bar
1/2	13		QH050	10 bar
3/4	19		QH075	10 bar
1	25		QH100	10 bar
Hose Claw Coupling with Safety Collar				
1/2	13		QHS050	10 bar
3/4	19		QHS075	10 bar
1	25		QHS100	10 bar
Female Claw Coupling				
		G 3/8"	QF037	10 bar
		G 1/2"	QF050	10 bar
		G 3/4"	QF075	10 bar
		G 1"	QF100	10 bar
Male Claw Coupling				
		G 3/8"	QM037	10 bar
		G 1/2"	QM050	10 bar
		G 3/4"	QM075	10 bar
		G 1"	QM100	10 bar
Seal				
Type		Colour		Code
Oil Resistant Seal		Black	Air	URS55
Steam Resistant Seal		White	Steam	URSEPD
Viton		Green	Steam	URSEPD

Air Pressure Fittings

'Mody' Screwing Claw Couplings – DIN 3238

A high quality safety coupling, with a stronger thread and incorporating a protective ring and new Rubber ring. It is easy to couple and is secured against accidental opening by just screwing the ring after the coupling.

It is available as hose end, with and without safety collar, a Female threaded adaptor and Male threaded adaptor.

It has a maximum bore for more flow capacity and when 100% tight helps to reduce loss of air consumption. For use in construction and industry, where absolute safety in air lines is required.

With oil-resistant seal as standard but also optional steam (EPDM) and chemical resistant seals. (Viton)

The head is Malleable Iron, hose stem of Turned Steel with special profile Zinc Plated and Yellow Chromed finish.

- 1 Available in sizes 3/8" to 1".
- 1 Maximum working pressure to 16 bar.



Claw Couplings DIN 3489/DIN 3238 of Stainless Steel 1.4401

- 1 High quality couplings of rust and acid resistant Steel 1.4401.
- 1 With acid resistant Rubber ring of Viton. Other materials see below.
- 1 Couplings are investment cast.

- 1 Maximum bore for maximum flow capacity.
- 1 Turned gasket seat, therefore 100% tight.
- 1 Turned stem profile for perfect fit of the hose.
- 1 100% couple test and sight control.

- 1 For aggressive fluids (according to concentration) in chemical or petrochemical industry, in tank or container construction.
- 1 For food or drinking water applications, use Rubber ring type GPOR.



Claw Couplings of Forged Steel, Hardened

- 1 Extremely robust, durable coupling of Forged Steel, hardened, Zinc Plated and Yellow Chromated, equivalent to type Atlas Copco.
- 1 With oil-resistant Rubber ring GOER on request, with steam-resistant Rubber ring GDOR (up to 200°C) against extra charge.

- 1 Maximum bore for maximum flow capacity to reach full tool performance.
- 1 Turned gasket seat, therefore 100% tight.

- 1 Turned stem profile for perfect fit of the hose.
- 1 High quality coupling for compressed air in construction and industry.



For Part Numbers please call the Sales Office.

Air Pressure Fittings

Double Bolt Heavy Duty Hose Clamps



Sizes up to DBC76 are intended for compressed air service. These are widely used on compressor hose.

Sizes DBC94 and upwards are intended as an extra heavy duty clamp for suction and discharge hoses 2" N.B. to 8" N.B.

The SK clamp has an extended finger designed to engage behind an annular security collar on the coupling hose stem to prevent 'blow off'.

The double bolt clamp is fitted with spacers and has 'gripping' power in

excess of most other band clamps. The spacers protect the hose being pinched between the two clamp halves and this ensures full circumference hose grip. The spacer tongues also provide a solid surface for the two clamp halves to slide over while being tightened, preventing the clamp from damaging the hose.

These robust clamps are of Malleable Iron, Zinc Plated and Yellow Chromated.

Easy and secure for various fittings and applications.



For Hose I.D. ins	For Hose O.D. mm	Double Bolt Range mm	Code	Pressure
Two Parts with Overlapping Cast-On Saddles				
1/2	13	17-22	S22	16
3/4	19	27-32	S34	16
Two Parts with Loose Saddles				
1/2	13	22-29	DBC29	16
3/4	19	28-34	DBC34	16
1	25	32-40	DBC40	16
1 1/4	32	39-49	DBC49	16
1 1/2	38	48-60	DBC60	16
2	50	56-72	DBC72	16
2	50	60-76	DBC76	16
2 1/2	63	77-94	DBC94	16
3	75	89-101	DBC400	16
3	75	94-115	DBC115	16
3 1/2	89	113-127	DBC525	16
3 1/2	89	115-145	DBC145	16
4	100	127-140	DBC550	16
4	100	135-155	DBC600	16
5	125	155-175	DBC675	16
6	150	175-195	DBC769	16
7	175	210-225	DBC875	16
8	200	227-250	DBC988	16
Two Parts with Loose Saddles and Safety Claws				
1/2	13	22-29	SK29	25
3/4	19	28-32	SK34	25
1	25	35-42	SK39	25
1 7/64	28	42-45	SK44	25
1 3/8	35	45-53	SK51	25
1 5/8	42	55-60	SK60	25
2	50	60-73	SK73	25
3	75	86-102	SK75	25

Air Pressure Fittings

Whipcheck (Hose to Hose)

Designed to prevent accidents where hose lines separate unintentionally.

When this happens under compressed air or any other high pressure operation, the hose will whip under the sudden release of energy with the probable result of serious injury to those in the vicinity.

The strong Galvanised Steel cable prevents hose whip with easily fitted spring loaded loops which grip the hose firmly.

The Model and Whipcheck ranges are the same except the Model family have a yellow plastic tag attached which provides the correct fitting instructions.

For coal mining applications, Whipchecks can be produced with copper ferrules and for sea-water and petrochemical applications can be made in Stainless Steel as well.



Yellow Plastic Tags with Instructions

Model A & B with Yellow Plastic Tag



Model A

- 1 1/8" for hoses 1/2" (13mm) to 1 1/4" (32mm) outside diameter.
- 1 Breaking strain of 588 kg.
- 1 Length: 540mm.

Model B

- 1 1/4" for hoses 1 1/2" (40mm) to 3" (75mm) outside diameter.
- 1 Breaking strain of 2350 kg.
- 1 Length: 965mm.

Whipcheck A & B



Whipcheck A

- 1 1/8" for hoses 1/2" (13mm) to 1 1/4" (32mm) outside diameter.
- 1 Breaking strain of 588 kg.
- 1 Length: 540mm.

Whipcheck B

- 1 1/4" for hoses 1 1/2" (40mm) to 3" (75mm) outside diameter.
- 1 Breaking strain of 2350 kg.
- 1 Length: 965mm.

Other Available Whipchecks



Whipcheck C

- 1 1/4" for hoses 3" (76mm) to 6" (150mm) outside diameter.
- 1 Breaking strain of 2350 kg.
- 1 Length: 1150mm.



Whipcheck A - 10"

- 1 1/8" for hoses 1/2" (13mm) to 1 1/4" (32mm) outside diameter.
- 1 Breaking strain of 588 kg.
- 1 Length: 254mm.



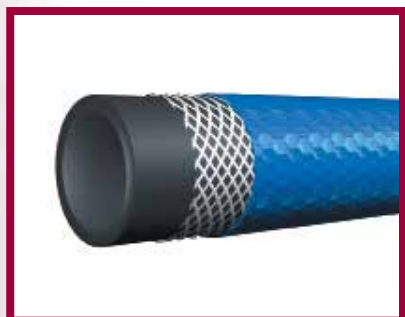
Whipcheck A - SS

- 1 1/8" for hoses 1/2" (13mm) to 1 1/4" (32mm) outside diameter.
- 1 Breaking strain of 588 kg.
- 1 Length: 540mm.

Air Pressure Fittings

Air Hose

Lightweight Reinforced Blue PVC Hose



Ideal for pneumatic/air tool applications due to very light weight.

Extremely flexible and kink resistant. Blue PVC hose, which conforms to BS 6066 and ISO 5774.

- 1 Temperature range: -15°C to +60°C
- 1 Standard length: 30m
- 1 Construction: Lining, food quality black PVC. Cover, food quality blue PVC.

I.D. (mm)	O.D. (mm)	Working Pressure* (bar)	Working Pressure* (PSI)	Burst Pressure* (bar)	Burst Pressure* (PSI)
6	10.5	17.9	260	53.8	780
8	12.5	15.2	220	45.5	660
10	14	13.1	190	39.3	570
12	17	11.0	160	33.1	480

Mandrel Built Black Air/Water Hose



Suitable for airlines or compressors and also for the delivery of water and water based slurries in general industrial, civil engineering and agricultural uses.

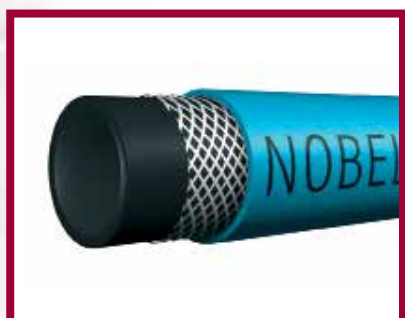
Constructed to BS 5118 Part 2 specification, making the hose suitable for heavy duty air applications, such as

compressors. Also complies with EN 2398 Type 4A.

- 1 Temperature range: -20°C to +70°C
- 1 Standard length: 40m
- 1 Construction: Lining, oil mist resistant SBR Rubber. Cover, cloth finish black SBR/EPDM Rubber.

I.D. (mm)	O.D. (mm)	Working Pressure* (bar)	Working Pressure* (PSI)	Burst Pressure* (bar)	Burst Pressure* (PSI)
13	22	21	300	62.1	900
19	28	21	300	62.1	900
25	35	21	300	62.1	900
32	46	21	300	62.1	900
38	52	21	300	62.1	900
51	65	21	300	62.1	900
76	92	21	300	62.1	900

Super Nobelair Soft Air Hose



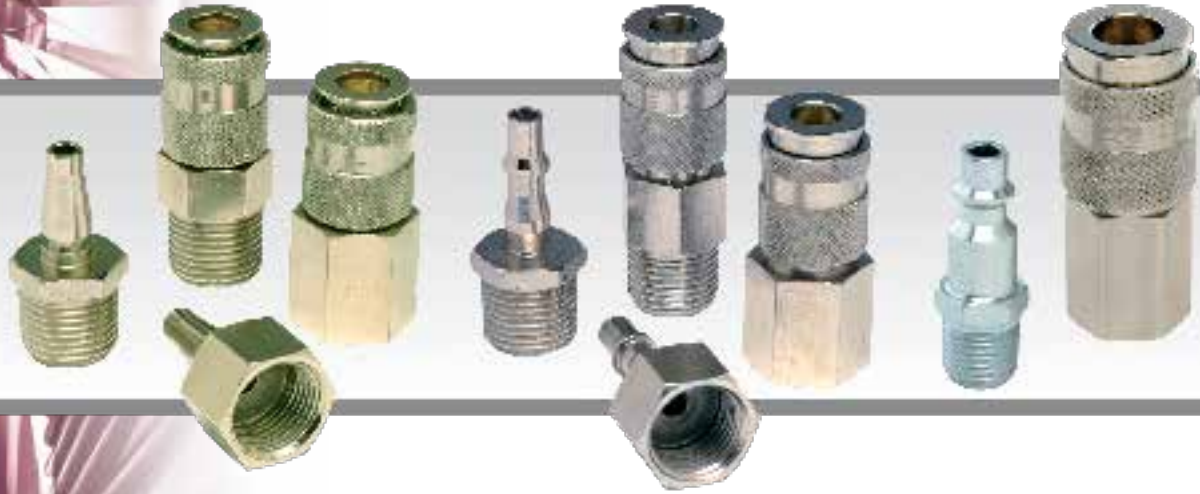
Extremely high flexible hose for compressed air.

Three layer hose, in PVC extra flexible, with high resistant Polyester fibre reinforcement.

- 1 Temperature range: -20°C to +60°C
- 1 Standard length: 25m
- 1 Construction: Lining, black PVC. Cover, extra soft blue PVC.

I.D. (mm)	O.D. (mm)	Working Pressure* (bar)	Working Pressure* (PSI)	Burst Pressure* (bar)	Burst Pressure* (PSI)
6.3	11	15	217	60	870
8	13	15	217	60	870
9	14.5	15	217	60	870
10	15.5	15	217	60	870
12.7	19	15	217	60	870
16	23	15	217	60	870
19	26.5	15	217	60	870
25	33.5	15	217	60	870

*All pressure ratings quoted at ambient temperature.



Air Line Coupling System

Air Line Quick Release Couplings



- 1 Wide variety of Male, Female and Hose Tail end connections
- 1 1/4" to 1/2" in the most popular Series
- 1 -20°C to +100°C
- 1 15 bar (230 PSI) working pressure
- 1 Economical
- 1 One handed connect ability

Applications

Most commonly used in conjunction with hand tools, pneumatic conveying equipment, air compressors, etc, but can also be used for most liquid applications.

A range of normally single shut-off quick release couplings that are interchangeable with those offered by amongst others, Rectus, Schraeder, Parker, Hansen, Walther and Tema.

How it Works

The coupling is connected by simply pushing the plug into the socket. Pulling back the sleeve on the socket disconnects the coupling.

The standard coupling is supplied with Buna Nitrile seal. Viton seals are an available option.

Plated Steel is the norm and some Series are available in Stainless Steel and Brass.

The following are the most common Series.



17 Series

- 1 Interchangeability: SCHRAEDER NW5, RECTUS 17
- 1 Temperature Range: -20°C to +100°C
- 1 Working Pressure: 0 to 15 bar (0 to 230 PSI)
- 1 Flow Capacity: NW – 5



19 Series

- 1 Interchangeability: PCL 60 SERIES, RECTUS 19
- 1 Temperature Range: -20°C to +100°C
- 1 Working Pressure: 0 to 35 bar (0 to 500 PSI)
- 1 Flow Capacity: NW – 5.5



21 Series

- 1 Interchangeability: RECTUS 21, CAMOZZI
- 1 Temperature Range: -20°C to +100°C
- 1 Working Pressure: 0 to 35 bar (0 to 500 PSI)
- 1 Flow Capacity: NW – 5



23 Series

- 1 Interchangeability: RECTUS 23, CEJN 310, HANSEN 3000
- 1 Temperature Range: -20°C to +100°C
- 1 Working Pressure: 0 to 35 bar (0 to 500 PSI)
- 1 Flow Capacity: NW – 5.5



25 Series

- 1 Interchangeability: RECTUS 25, CEJN 320
- 1 Temperature Range: -20°C to +100°C
- 1 Working Pressure: 0 to 15 bar (0 to 230 PSI)
- 1 Flow Capacity: NW – 7.8



68 Series

- 1 Interchangeability: RECTUS 68, SCHRAEDER Heavy Duty
- 1 Temperature Range: -20°C to +100°C
- 1 Working Pressure: 0 to 35 bar (0 to 500 PSI)
- 1 Flow Capacity: NW – 8.5



120 Series

- 1 Interchangeability: ABA 3/4, Rectus 42
- 1 Temperature Range: -20°C to +100°C
- 1 Working Pressure: 0 to 15 bar (0 to 230 PSI)
- 1 Flow Capacity: NW – 11

Air Line Quick Release Couplings How to Order

Connection ins mm	Series 17 Code	Series 19 Code	Series 21 Code	Series 23 Code
Interchangeable				
	Schraeder NWS	PCL 60	Camozzi	CEJN 310
	Rectus 17	Rectus 19	Rectus 21	Rectus 23
Male Thread Coupler				
R 1/4	TS017EG13	TS019EG13		TS023EG13
R 3/8	TS017EG17	TS019EG17		TS023EG17
R 1/2	TS017EG21	TS019EG21		TS023EG21
G 1/8			TS021EG10	
G 1/4			TS021EG13	
G 3/8			TS021EG17	
Female Thread Coupler				
G 1/8			TS021DG10	
G 1/4	TS017DG13	TS019DG13	TS021DG13	TS023DG13
G 3/8	TS017DG17	TS019DG17	TS021DG17	TS023DG17
G 1/2	TS017DG21	TS019DG21		TS023DG21
Standard Hose Coupler				
1/4 6			TS021HG04	
1/4 6	TS017HG06	TS019HG06	TS021HG06	TS023HG06
5/16 8	TS017HG08	TS019HG08	TS021HG08	TS023HG08
5/14 9	TS017HG09	TS019HG09	TS021HG09	TS023HG09
3/8 10	TS017HG10	TS019HG10	TS021HG10	TS023HG10
1/2 13	TS017HG13	TS019HG13		TS023HG13
Standard Hose Nipple				
1/4 6	TS017HU06	TS019HU06		TS023HU06
5/16 8	TS017HU08	TS019HU08		TS023HU08
5/14 9				TS023HU09
3/8 10	TS017HU10	TS019HU10		TS023HU10
1/2 13				TS023HU13
Male Thread Nipple				
R 1/8	TS017EU10			
R 1/4	TS017EU13	TS019EU13		
R 3/8		TS019EU17		
Female Thread Nipple				
G 1/8	TS017DU10			
G 1/4	TS017DU13	TS019DU13		
G 3/8		TS019DU17		

Air Line Coupling System

Air Line Quick Release Couplings How to Order

Connection ins	Series 25 mm	Series 68 Code	Series 120 Code	Code
Interchangeable				
		CEJN 320	Schraeder	ABA
		Rectus 25	Rectus 68	Rectus 42
Male Thread Coupler				
R 1/4		TS025EG13		
R 3/8		TS025EG17		
R 1/2		TS025EG21		
3/8			TS068EG17	
1/2			TS068EG21	
3/4			TS068EG26	
Female Thread Coupler				
G 1/4		TS025DG13	TS068DG13	
G 3/8		TS025DG17	TS068DG17	
G 1/2		TS025DG21	TS068DG21	
G 3/4			TS068DG26	
Standard Hose Coupler				
1/4	6	TS025HG06		
5/16	8	TS025HG08		
3/4	9	TS025HG09		
3/8	10	TS025HG10	TS068HG10	
1/2	13	TS025HG13	TS068HG13	
3/4	19		TS068HG19	
Standard Hose Nipple				
5/14	9			TS120HU09
3/8	10		TS068HU10	
1/2	13		TS068HU13	TS120HU13
5/8	16			TS120HU16
3/4	19			TS120HU19
Male Thread Nipple				
R 1/4			TS068EU13	
R 3/8			TS068EU17	
R 1/2			TS068EU21	
R 3/4			TS068EU27	
G 1/4				TS120EU13
G 3/8				TS120EU17
G 1/2				TS120EU21
G 3/4				TS120EU26
G 1				TS120EU33
Female Thread Nipple				
G 1/4			TS068DU13	TS120DU13
G 3/8			TS068DU17	TS120DU17
G 1/2				TS120DU21
G 3/4				TS120DU26
G 1				TS120DU33

Water Guns	156 – 157
Dyros Water Couplings	158 – 159
Quick Fit 'Geka Style' Couplings	160
Lugged Couplings	161
Hot Water Lance Gun	162
Water Guns for Lance Mounting	162



Water Guns & Couplings

Water Guns



Heavy Duty Water Gun

The water pattern of these guns is adjustable from a fine spray to a concentrated jet by means of a Stainless Steel handle.

The heavy duty water guns are designed to withstand the operating conditions common to the industrial environment therefore being ideal for industrial water applications requiring a highly efficient washdown facility such as factories, garages and abattoirs.

The Stainless Steel water gun is ideally suited to the food, pharmaceutical and chemical industries.



Heavy Duty Brass Water Gun

- 1 Material: Brass body
- 1 Cover: Available in blue, red, green and yellow Rubber covers
- 1 Maximum working pressure of 350 PSI (24 bar)
- 1 Delivery of 25 Litres/min @ 73 PSI (5 bar)
- 1 Maximum temperature handling of 95°C
- 1 Thread ½" BSP Female



Heavy Duty Stainless Steel Water Gun

- 1 Material: 316 Stainless Steel body
- 1 Cover: Available in blue or white Rubber covers
- 1 Maximum working pressure of 350 PSI (24 bar)
- 1 Delivery of 25 Litres/min @ 73 PSI (5 bar)
- 1 Maximum temperature handling of 95°C
- 1 Thread ½" BSP Female

Colour	Heavy Duty Code
BRASS	
Blue	HD BLUE GUN
Red	3000AC-RED
Yellow	3000AC-YELLOW
Green	3000AC-GREEN
Black	3000AC-BLACK
STAINLESS STEEL	
Blue	316SS BLUE GUN
White	316SS WHITE GUN

For Steam and Water Hoses see pages 82, 86, 93 and 95

Light Duty Water Guns

“Ideal for industrial or commercial use or as a general purpose water gun”

Gilmour Water Gun

- 1 Chrome Plated Zinc body
- 1 Insulated moulded grip for spraying hot or cold water
- 1 Brass head insert for max resistance to extremely hot water
- 1 Male hose threaded front for attaching accessories
- 1 Solid Brass valve stem with permanent adjusting nut
- 1 ‘Hold Open’ clip for continuous spraying
- 1 Rust resistant Stainless Steel spring
- 1 Max pressure: 100 PSI (7 bar)
- 1 Delivery of 33 Litres/min at 5 bar
- 1 Maximum temperature handling of 50°C
- 1 Weight 220g

Dyros Water Gun

- 1 General washdown gun suitable for many applications
- 1 Chrome Plated
- 1 Insulated handle (407 with trigger guard)
- 1 Adjustable flow
- 1 Adjustable jet spray pattern
- 1 Internal seal Nitrile Rubber
- 1 Quick release nipple inlet 1/2"
- 1 Max working pressure 8 bar
- 1 Max temperature 100°C
- 1 Dyros 405 weight: 300g
- 1 Dyros 407 weight: 500g

Colour	Light Duty Code
Red	GILMOUR
Blue	DY 405
Black	DY 407



Gilmour



Dyros 405



Dyros 407

Water Guns & Couplings

Dyros Water Couplings



The Dyros water hose connectors Series 100-2000-3000 is designed for industrial water applications as well as high pressure water inlets, plumbing installations. When connected to our washdown guns they offer a highly efficient washdown facility in factories, garages and abattoirs.

Machined from extruded Brass bar with Industrial Chrome Plate finish and incorporating only rust free components. The seal is Nitrile.

Dyros 100

Dyros 100 connectors are the most popular hose connectors in the market. Thousands of connectors are used every day in:

- 1 Plumbing installations
- 1 Plastic moulds
- 1 High pressure cleaners
- 1 Laundry and washing machines
- 1 Hoses in industry and households

Dyros 2000 and 3000

Dyros 2000 and 3000 connectors are used wherever large water capacity is required in:

- 1 Nurseries
- 1 Fishing industry
- 1 Dairy production
- 1 Ships and vessels

Dyros 100 1/2" Series

- 1 Chrome Plated Brass
- 1 Size: 1/2" (11mm)
- 1 Pressure rating: 10 bar
- 1 Temperature: -30 to 100°C
- 1 Seal/gasket: Nitrile
- 1 Threads: Male, Female, Hose Tail

Dyros 2000 3/4" Series

- 1 Chrome Plated Brass
- 1 Size: 3/4" (15mm)
- 1 Pressure rating: 10 bar
- 1 Temperature: -30 to 100°C
- 1 Seal/gasket: Nitrile
- 1 Threads: Male, Female, Hose Tail

Dyros 3000 1" Series

- 1 Chrome Plated Brass
- 1 Size: 1" (20mm)
- 1 Pressure rating: 10 bar
- 1 Temperature: -30 to 100°C
- 1 Seal/gasket: Nitrile
- 1 Threads: Male, Female, Hose Tail

Couplers



Nominal 1/2"		Series Code
Size Ins	mm	
Male BSPP		
1/2	13	DY121
3/4	19	DY123



Nominal Size Ins	1/2" Series Code	3/4" Series Code	1" Series Code
Female BSPP			
1/2	13	DY111	
3/4	19	DY113	DY2113
1	25		DY3111



Nominal Size Ins	1/2" Series Code	3/4" Series Code
Hose Tail		
3/8	10	DY130
1/2	13	DY131
3/4	19	DY133

Nipples



Nominal Size		1/2" Series	3/4" Series	1" Series
Ins	mm	Code	Code	Code
Male BSPP				
3/8	10	DY238		
1/2	13	DY221/6	DY2221	
3/4	19	DY223	DY2223	
1	25			DY3221
Female BSPP				
1/2	13	DY211	DY2211	
3/4	19	DY213	DY2213	
1	25			DY3211
Hose Tail				
3/8	10	DY230		
1/2	13	DY231	DY2231	
3/4	19	DY231-3	DY2233	DY3233
1	25			DY3231

Adaptors

	1/2" Series	3/4" Series	1" Series
	Code	Code	Code
1/2" Male x 1/2" Hose Tail	DY361-1		
3/4" Male x 1/2" Hose Tail	DY363-1		
3/4" Male x 1/2" Female	DY351-3		
3/4" Male x 1/2" Female Reducer	DY371-3		
3/4" Male x 3/4" Hose Tail		DY363-3	
1" Male x 1" Hose Tail			DY3361-1

Water Guns & Couplings

Quick Fit 'Geka Style' Couplings

Sometimes known as 'GEKA', this versatile coupling is now widely used in conjunction with water lines and irrigation in industry, construction, agriculture and horticulture.

Made of Brass, the formed claws provide

maximum security against accidental opening.

As the connecting heads are the same on all parts, hose and threads of all dimensions can be connected together with no adaptors being required.



For Hose I.D.		Quick Fit Code	Pressure
ins	mm		
Hose Claw Coupling			
3/8	10	GKH038-BR	50 bar
1/2	13	GKH050-BR	50 bar
3/4	19	GKH075-BR	50 bar
1	25	GKH100-BR	50 bar
1 1/4	32	GKH125-BR	50 bar
1 1/2	38	GKH150-BR	50 bar
Female Claw Coupling			
3/8	10	GKF038-BR	50 bar
1/2	13	GKF050-BR	50 bar
3/4	19	GKF075-BR	50 bar
1	25	GKF100-BR	50 bar
1 1/4	32	GKF125-BR	50 bar
1 1/2	38	GKF150-BR	50 bar
Male Claw Coupling			
3/8	10	GKM038-BR	50 bar
1/2	13	GKM050-BR	50 bar
3/4	19	GKM075-BR	50 bar
1	25	GKM100-BR	50 bar
1 1/4	32	GKM125-BR	50 bar
1 1/2	38	GKM150-BR	50 bar
Blank Cap			
		GKBC	50 bar
Gasket / Seal			
Standard Buna Seal		GKSBU	

Water Guns & Couplings

Lugged Couplings

Action-Sealtite's range of Polypropylene lugged threaded couplings are moulded to the highest standards in the UK under a quality management system approved by the BSI. With an ongoing quality improvement program using state-of-the-art computer technology we can offer the best possible product available.

All threads designated BSP of this type are based on the dimension and tolerances as specified in the

international standard ISO 228 (BS 2779:1973) for parallel threads. There is no standard for the URT round thread, however we do base this thread on the British Standard BS 336 for tolerances.

Moulded in Polypropylene, this very tough and lightweight threaded hose coupling has many industrial applications up to 150 PSI (10 bar) and benefits from being very cost effective.



Female Thread Lugged Dust Cap



Male Thread Lugged Dust Plug



Female Thread Lugged Hose Tail



Male Thread Lugged Hose Tail

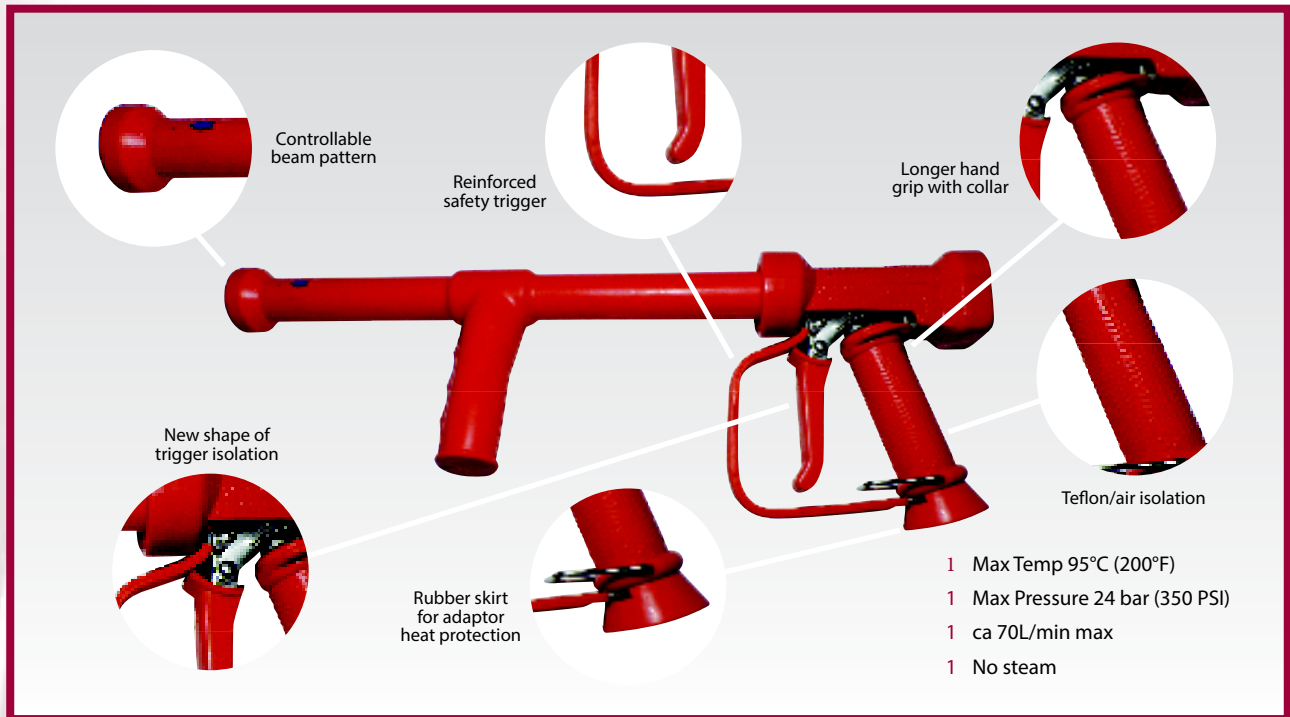
Nominal Size ins mm	Male Code	Female Code	Dust Cap Code	Dust Plug Code
BSP Thread				
1 ½ 40	SD150M-PP	SD150F-PP	SD150BC-PP	SD150BP-PP
2 50	SD200M-PP	SD200F-PP	SD200BC-PP	SD200BP-PP
2 ½ 65	SD250M-PP	SD250F-PP	SD250BC-PP	SD250BP-PP
3 75	SD300M-PP	SD300F-PP	SD300BC-PP	SD300BP-PP
4 100	SD400M-PP	SD400F-PP	SD400BC-PP	SD400BP-PP

Nominal Size ins mm	Male Code	Female Code	Dust Cap Code	Dust Plug Code
URT Thread				
3 75	URT300M-PP	URT300F-PP	URT300BC-PP	URT300BP-PP
4 100	URT400M-PP	URT400F-PP	URT400BC-PP	URT400BP-PP
4" URT Female x 3" URT Male				
4 x 3 100 x 75	URT400F300M-PP			

Water Guns & Couplings

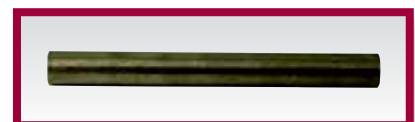
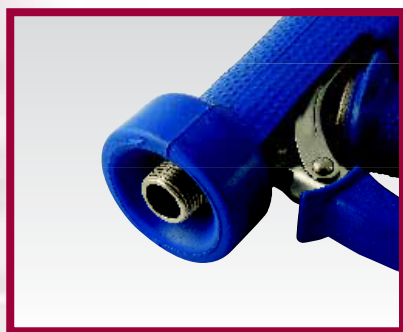
Hot Water Lance Water Gun

The heavy duty hot water spray nozzle, in Stainless Steel (316) with TEFLON/air Isolation. Lance with handgrip and controllable nozzle.



Water Guns for Lance Mounting

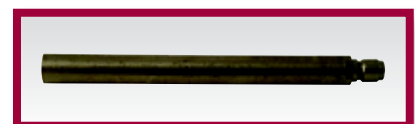
Heavy duty spray guns in Brass or Stainless Steel (see page 156) with either 1/2" Male thread outlet or Adaptor for lance mounting.



Stainless Steel Lance both sides
1/2" Female, 22cm or 50cm lengths



Stainless Steel Lance one side with
1/2" protected foam nozzle, one side an
adaptor for quick connection, 22cm or
50cm lengths



Stainless Steel Lance one side
1/2" Female, one side an adaptor for quick
connection, 22cm or 50cm lengths

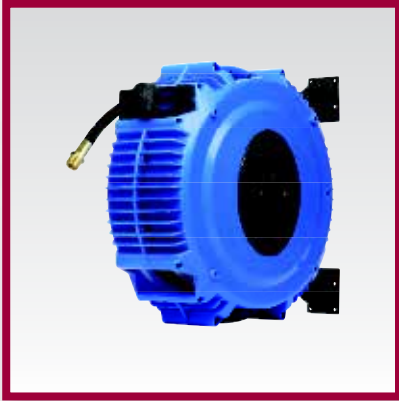
Gen III Range	164
Gen IV Range	164
Reeltek Range	165
SE Range	165
Hose Reel for Diesel	166
Cased Reel Air / Water	166



Hose Reels

Multi-Purpose Hose Reels

Gen III Range



The Gen III is a durable yet economical reel, lightweight and easy to operate.

It is also designed to meet the harsh demands and conditions of industrial environments

- 1 High quality roll formed spring, which eliminates drive spring failure
- 1 Full Brass swivel, which is more tolerant of outside environments

- 1 Multi-position locking mechanism providing positive retraction
- 1 Made from tough, impact/corrosion resistant and UV Stabilized Polypropylene with antistatic and flame retardant properties.

Code	ID (mm)	Length (m)	Pressure (bar)	Connection	Weight (kg)
Low Pressure Air and Water					
AW815-001	8	15	17	3/8"	11
AW820-001	8	20	17	3/8"	12
AW1015-001	10	15	17	3/8"	12
AW1020-001	10	20	17	3/8"	12
AW1215-001	12	15	17	1/2"	12
AW1218-001	12	18	17	1/2"	12
Hot Wash					
HW1015-001	10	15	10	3/8"	11
HW1215-001	12	15	10	1/2"	12
HW1020-001	10	20	10	3/8"	12
Chemicals					
WP1015-001	10	15	17	3/8"	11
WP1215-001	12	15	17	1/2"	12
WP1020-001	10	20	17	3/8"	12

Gen IV Range



The Gen IV is ideal for small/medium workshop applications where minimal size of reel and hose could be important. Made of tough corrosion proof materials meaning it is highly resistant to most acids and alkalis.

- 1 High quality roll formed spring, which eliminates drive spring failure
- 1 Multi-position locking mechanism providing positive retraction

- 1 Made from tough, impact/corrosion resistant and UV Stabilized Polypropylene with antistatic and flame retardant properties.
- 1 3-piece mounting bracket enables it to be attached/detached while the wall plate stays fitted in place.

Code	ID (mm)	Length (m)	Pressure (bar)	Connection	Weight (kg)
Low Pressure Air and Water					
GP612	6	12	17	1/4"	11
GP812	8	12	17	3/8"	12
GP1010	10	10	17	3/8"	12

Reeltek Range



Reeltek – Lightweight but extremely strong.

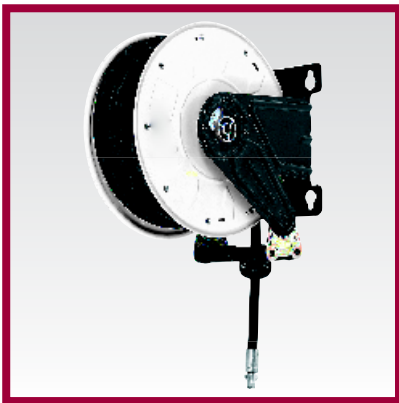
- 1 High quality roll formed spring, which eliminates drive spring failure
- 1 Combines durable Composite Materials with Steel

1 Base and guide arm are made from high grade Pressed Steel

The reel has a 7-position guide arm, allowing it to be mounted anywhere.

Code	ID (mm)	Length (m)	Pressure (bar)	Connection	Weight (kg)
Low Pressure Air and Water					
RT425 OLP	6	8	21	3/8"	10
RT435 OLP	6	11	21	3/8"	11
RT450 OLP	6	15	21	3/8"	12
RT635 OLP	10	11	21	3/8"	11
RT650 OLP	10	15	21	3/8"	14
RT835 OLP	12	11	21	1/2"	14
RT850 OLP	12	15	21	1/2"	16
Medium Pressure Air, Water and Oil					
RT635 OMP	10	16	69	3/8"	14
RT835 OMP	12	21	69	1/2"	16
High Pressure Grease					
RT435 OHP	6	11	345	3/8"	15
RT635 OHP	10	11	276	1/2"	16

SE Range



SE Range – 300/350/430 Sturdy and compact duty.

- 1 Full flow swivel
- 1 Adjustable guide arm
- 1 Enclosed drive spring
- 1 Powder-coated Mild Steel

1 Enclosed drive spring

1 Easy installation

The SE Range is also available in medium duty/large capacity reels.

All the SE Range can be purchased without the hose.

Code	ID (mm)	Length (m)	Pressure (bar)	Connection	Weight (kg)
Low Pressure Air and Water					
SE300/11	10	12	20	3/8"	10
SE350/11	10	18	20	3/8"	12
SE430/11	12	15	20	1/2"	19
Medium Pressure Hot Water					
SE300/21	10	12	100	1/2"	11
SE350/21	10	17	100	1/2"	14
SE430/22	12	15	100	1/2"	21
High Pressure Hot Water					
SE430/32	10	18	200	3/8"	22

Hose Reels

Hose Reels

Hose Reel For Diesel $\frac{3}{4}$ " – HRO20.19



Suitable for use with Diesel and Biodiesel to B30.

- 1 Steel construction, powder-coated finish
- 1 Retractable
- 1 Can be used with pumps up to 70 L/min (20° flow restriction)
- 1 Max pressure: 90 PSI (6 bar)
- 1 Choice of 8m or 14m of 1" hose with reel with 1m of inlet hose
- 1 Bare reel: takes either 14m x 1" hose or 20m x $\frac{3}{4}$ " hose
- 1 Never connect rigid pipework into inlet

Cased Reel Air/Water 2950 Series - HREAW15.10C



Lubeworks 2950 Series Air/Water reel 20 bar.

- 1 Spring rewind, Heavy Duty Steel construction, powder-coated
- 1 Fully adjustable hose stop
- 1 Supplied with 15m x $\frac{3}{8}$ " BSPM hose and 600mm flexible inlet hose
- 1 Mounting kit for wall, ceiling, bench or floor mount (fixed and swivel mount bracket supplied as standard)

IBC Polypropylene	168
IBC Ball Valves	169
Stainless Steel Ball Valves	169
Brass, Chrome Plated Ball Valves	169
Banjo Polypropylene Bolted Ball Valves	170
Banjo Stubby Ball Valves	170
Banjo Single Union Ball Valves	170



Ball Valves



2" & 3" IBC Valve

Apart from the couplings and fittings for IBCs, we also supply to special order 2" (50mm) and 3" (75mm) full flow ball valves.

Main features of the valve - unique swivelling back nut inside union which allows: vertical or any orientation, fitted without turning valve body, left in closed position during fitting. Handle locking pin with position for using standard security seals. Range of outlets i.e. cam adaptor, buttress, pipe threads etc. They can be fitted onto container before being dropped into cage.

All plastic construction, no metal locking nut for ultimate chemical protection.

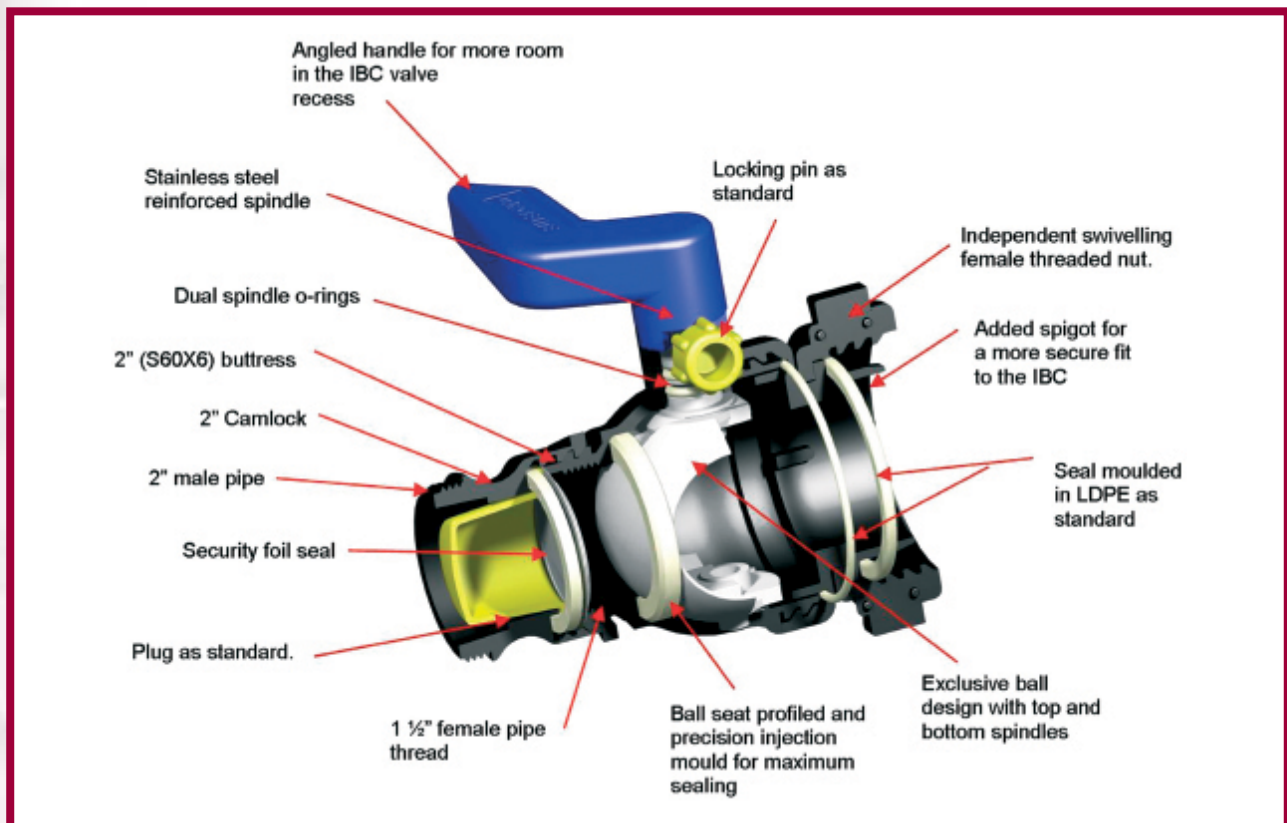
2" IBC Ball Valve, S60x6
Female Buttress Inlet x S60 x 6
Male outlet c/w Dust Cap, Black G/P/P

2" IBC Ball Valve, S75x6
Female Buttress Inlet x S60 x 6
Male outlet c/w Dust Cap, Black G/P/P

2" IBC Ball Valve, S80x6
Female Buttress Inlet x S60 x 6
Male outlet c/w Dust Cap, Black G/P/P

3" IBC Ball Valve, S100x8
Female Buttress Inlet x S100 x 8
Male outlet c/w Dust Cap, Black G/P/P

Nominal Size ins	Female Size		Ball Valve Code
	Male	Inlet	
2	S60x6	S60x6 Female	BV200-BU200MSU-P
2	S60x6	S75x6 Female	BV200-75200S60-P
2	S60x6	S80x6 Female	BV200-806M606-PG
3	S100x8	S100x8 Female	BV300-BU300MSU-P



IBC Ball Valves



S60 Female x S60 Male



S75 Female x 2" Male Cam



S100 Female x 3" Male Cam

Stainless Steel Ball Valves

Application and Operation

Manual valves are used as intercepting valves in Stainless Steel lines in the Dairy Industry, Wine Industry, Pharmaceutical and wherever sanitary measures are required.

For manual operating, the valve is supplied with a standard handle called locking handle, placing the valve in open or closed position.

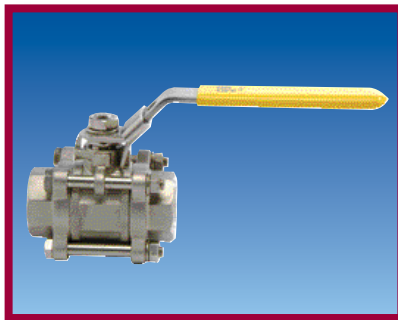
The valve is designed to match any standard: DIN – RJT – Tri-Clamp, threaded or weldable.



Ball Valve – 2 Piece

Sizes Available

1/4" (6mm) – 3" (76mm)



Ball Valve – 3 Piece Bolted

Sizes Available

1/4" (6mm) – 3" (76mm)

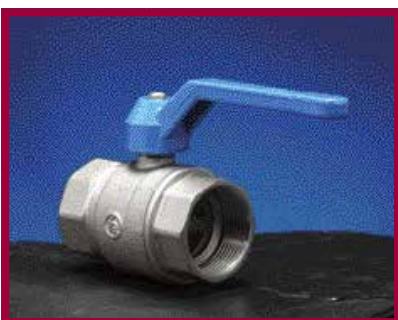


Ball Valve – 3 Way

Sizes Available

1/2" (13mm) – 2" (51mm)

Brass, Chrome Plated Ball Valves



A cost effective solution for manual 'close off' on most 'flow' lines

Materials

- 1 Body: Forged Brass, Nickel Plated
- 1 Ball: Brass
- 1 Stem Seal: Viton
- 1 Ball Seal: PTFE

- 1 Temperature: -15°C to +150°C
- 1 Lever: Steel, Zinc Plated and usually coloured red/yellow or blue

Ball Valves

Banjo Polypropylene Bolted Ball Valves



Features

- 1 Precision moulded Polypropylene is reinforced with fibreglass for additional strength.
- 1 Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle.
- 1 Ball is diamond turned, after moulding, to make it spherically perfect, which provides precise contact between ball and seats.
- 1 PTFE self-lubricating stem bushings and seats cannot stick or bind.
- 1 Stainless Steel bolts
- 1 FKM (Viton type) seals
- 1 100% PTFE seats

Banjo Stubby Ball Valve



Features

- 1 Precision moulded Polypropylene reinforced with fibreglass for strength.
- 1 Stainless Steel bolts
- 1 Multiple design options
- 1 Lightweight
- 1 Maximum operating pressure: 100 PSI @ 21°C / 75 PSI @ 42°C
- 1 PTFE seals / Viton seals

Banjo Single Union Ball Valve



Features

- 1 Precision moulded Polypropylene reinforced with fibreglass for strength.
- 1 PTFE seats for smooth operation and proper sealing characteristics.
- 1 EPDM O-rings to handle most chemicals. Viton also available.
- 1 Double O-rings in stern area for extra sealing protection.
- 1 Interlocking body and end plate to allow easy thread connection when installing valves.
- 1 Maximum operating pressure: 100 PSI @ 21°C

Tanker Fittings	172 – 173
Instantaneous Fittings	174



Tanker & Fire Instantaneous Fittings

Tanker Fittings



Tanker fittings are a quick means of making and breaking hose lines. They incorporate two 'bell end' halves separated by a large Rubber seal and are held together with an over centre toggle clamp.

These fittings are widely used in the road tanker industry for conveying powders, grain, cereals, cement and other dry powder substances.

These products are interchangeable with other couplings of a similar design.

Flanges can also be supplied.



Tanker Clamp

Size ID in	mm	Product Code
3	80	TANK300C-SGI
4	100	TANK400C-SGI
5	125	TANK500C-SGI



Tanker Serrated Tail

Size ID in	mm	MILD STEEL Code	STAINLESS 304 Code
3	80	TANK300ST-MS	TANK300ST-SS
4	100	TANK400ST-MS	TANK400ST-SS
5	125	TANK500ST-MS	TANK500ST-SS



Tanker Plain Tail

Size ID in	mm	MILD STEEL Code	STAINLESS 304 Code
3	80	TANK300PT-MS	TANK300PT-SS
4	100	TANK400PT-MS	TANK400PT-SS
5	125	TANK500PT-MS	TANK500PT-SS



Tanker Dust Cap

Size ID		MILD STEEL	STAINLESS 304
in	mm	Code	Code
3	80	TANK300BC-MS	TANK300BC-SS
4	100	TANK400BC-MS	TANK400BC-SS
5	125	TANK500BC-MS	TANK500BC-SS



Tanker Seal

Size ID		Product
in	mm	Code
3	80	TANK300-SEAL
4	100	TANK400-SEAL
5	125	TANK500-SEAL



Tanker Seal with Aluminium Shell

Size ID		Product
in	mm	Code
3	80	TANK300AL-SEAL
4	100	TANK400AL-SEAL
5	125	TANK500AL-SEAL



Tanker BSP Male Thread

Size ID		MILD STEEL	STAINLESS 304
in	mm	Code	Code
3	80	TANK300M-MS	TANK300M-SS
4	100	TANK400M-MS	TANK400M-SS
5	125	TANK500M-MS	TANK500M-SS



Tanker Rubber Cap

Size ID		Product
in	mm	Code
3	80	TANK300RUBBC
4	100	TANK400RUBBC
5	125	TANK500RUBBC

Tanker & Fire Instantaneous Fittings

Instantaneous Fittings



**Delivery Hose Coupling
(Double Pull)**

- 1 Alum/Brass/Stainless
- 1 1 1/2" x 1 1/2"
- 1 2 1/2" x (1 1/2" to 2 3/4")



**Female Adaptor w Female
Thread (Double Pull)**

- 1 Alum/Brass/Stainless
- 1 1 1/2" x (G1 1/2" to G2")
- 1 2 1/2" x (G2" to G2 1/2")



**Female Adaptor w Female
Thread (Single Twist)**

- 1 Alum/Brass/Stainless
- 1 1 1/2" x (G1 1/2" to G2")
- 1 2 1/2" x (G2" to G2 1/2")



**Female Adaptor w Male
Thread (Single Twist)**

- 1 Alum/Brass/Stainless
- 1 1 1/2" x G1 1/2 A
- 1 2 1/2" x (G 1 1/2 A" to G2 1/2 A")



**Male Adaptor w Female
Thread**

- 1 Alum/Brass/Stainless
- 1 1 1/2" x G1 1/2 to G2
- 1 2 1/2" x (G 1 to G2 1/2)



**Male Adaptor w Male
Thread**

- 1 Alum/Brass/Stainless
- 1 1 1/2" x G1 1/2 A
- 1 2 1/2" x (G 1 A" to G2 1/2 A")



**Blank Cap with Chain
(Twist Type)**

- 1 Alum/Brass/Stainless
- 1 1 1/2" & 2 1/2"



Blank Plug with Chain

- 1 Alum/Brass/Stainless
- 1 1 1/2" & 2 1/2"



Spool Adaptor

- 1 Alum/Brass/Stainless
- 1 1 1/2" x G1 1/2 A
- 1 2 1/2" x (G 1 A" to G2 1/2 A")



Gunmetal

Gunmetal Fittings



Action-Sealtite offer a huge range of custom-made adaptors, rectangular horn nuts, Brownall fittings, Butterworth couplings and Roman Seliger style couplings in BS1400 LG1 & 2 Gunmetal and BS1400 AB2 Aluminium Bronze.

Many MEXE items have also been produced. MOD requirements are also catered for.

We have produced many uncommon thread forms like UNC, UNS and ANFHT and fittings to British Standards like BS 1782, BS 2464.

The range of instantaneous fire fighting hose fittings to BS 336 in Gunmetal and special adaptors to suction round threads, flanges, hydrant threads and Stortz connections can also be offered as well as couplings, e.g. Nunan and Stove (N & S).

We have the ability to produce patterns for many varied requirements and major fabrications can also be offered at our long established yellow metal foundry source where pressure testing up to 10,000 PSI is available.

Why not call us
for any low volume
Gunmetal Fittings?



Examples of some of the many fittings we have produced



Rectangular horn nuts as in BS 1782 & BS 2464 specifications, including 2 3/4" x 6UNS, 3 1/2" x 6UNS and 4" x 6UNS threads.



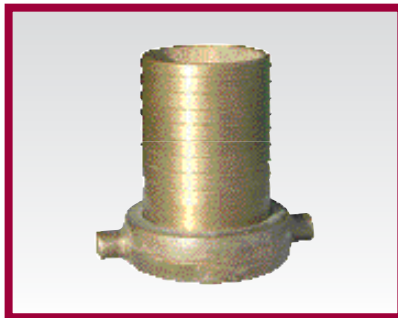
Hydrant standpipe feet, 2 1/2" Female hydrant round thread x 1" BSPP Female thread.



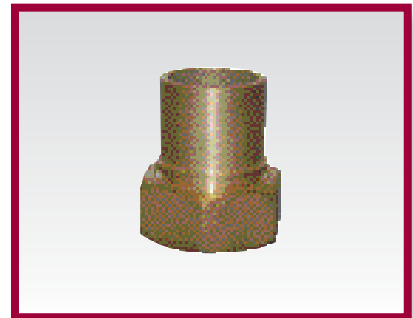
MEXE 90° elbows with swivel nut and cam and groove adaptors.



Reusable Hose Tails for use with Roman Seliger style reusable clamps and rectangular horn nuts.



Suction and delivery couplings with serrated tails, BSP and URT threads.



Roman Seliger reusable Male and Female BSPP Couplings.

Please contact us for any Gunmetal, Aluminium or Aluminium Bronze requirements and we will be pleased to assist you.

ACTION SEALTITE

AIR & FLUID HANDLING PRODUCTS

Interested?

For more information or to arrange a product demonstration, please use one of the following contact details to get in touch with us.

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Jan 2012

