

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.
- $\frac{1}{2}$ " to 6" sizes in Aluminium/Brass & Stainless Steel.
- $\frac{1}{2}$ " to 4" sizes in Polyglass.
- Branded product made from our own tooling.
- Heat marked fully traceable on Stainless Steel.
- All $\frac{1}{2}$ " 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.

Camlocks

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.

- Straight through, leak-proof connections.
- No tools required to connect.
- UK manufactured product.
- 1/2" to 4" sizes.
- BSP or NPT threads.
- Butress threaded versions for IBCs.
- 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 3/4" 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	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					
$\frac{1}{2}$	13	E050-A	E050-B	E050-SS	E050-P
$\frac{3}{4}$	19	E075-A	E075-B	E075-SS	E075-P
1	25	E100-A	E100-B	E100-SS	E100-P
$1\frac{1}{4}$	32	E125-A	E125-B	E125-SS	E125-P
$1\frac{1}{2}$	40	E150-A	E150-B	E150-SS	E150-P
2	50	E200-A	E200-B	E200-SS	E200-P
$2\frac{1}{2}$	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					
$\frac{1}{2}$	13	F050-A	F050-B	F050-SS	F050-P
$\frac{3}{4}$	19	F075-A	F075-B	F075-SS	F075-P
1	25	F100-A	F100-B	F100-SS	F100-P
$1\frac{1}{4}$	32	F125-A	F125-B	F125-SS	F125-P
$1\frac{1}{2}$	40	F150-A	F150-B	F150-SS	F150-P
2	50	F200-A	F200-B	F200-SS	F200-P
$2\frac{1}{2}$	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					
$\frac{1}{2}$	13	DC050-A	DC050-B	DC050-SS	
$\frac{3}{4}$	19	DC075-A	DC075-B	DC075-SS	DC075-P
1	25	DC100-A	DC100-B	DC100-SS	DC100-P
$1\frac{1}{4}$	32	DC125-A	DC125-B	DC125-SS	
$1\frac{1}{2}$	40	DC150-A	DC150-B	DC150-SS	DC150-P
2	50	DC200-A	DC200-B	DC200-SS	DC200-P
$2\frac{1}{2}$	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					
$\frac{1}{2}$	13	DP050-A	DP050-B	DP050-SS	
$\frac{3}{4}$	19	DP075-A	DP075-B	DP075-SS	DP075-P
1	25	DP100-A	DP100-B	DP100-SS	DP100-P
$1\frac{1}{4}$	32	DP125-A	DP125-B	DP125-SS	
$1\frac{1}{2}$	40	DP150-A	DP150-B	DP150-SS	DP150-P
2	50	DP200-A	DP200-B	DP200-SS	DP200-P
$2\frac{1}{2}$	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		BUNA	EPDM	VITON	NEOPRENE BLACK	TEFLON BUNA	TEFLON VITON
ins	mm	Code	Code	Code	Code	Code	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 mm	1/2	3/4 - 2	2 1/2	3	4	5-6
		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.