



Proven economy in reliable transfer of corrosive and hard to handle fluids

Snaplock[®] Cam & Groove Couplings



PROFLOW
D Y N A M I C S

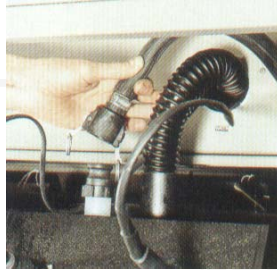
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SNAPLOCK[®]
Couplings are applicable to almost any industry that uses liquids, powders or gases.



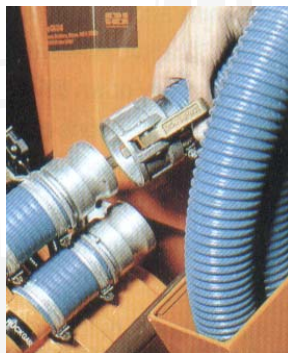
PAINTS, INKS AND DYES

The manufacture of paints, inks & dyes involves frequent change of hoses to find the correct mix. SNAPLOCK[®] couplings can tolerate the collection of coatings without detriment to the seal.



OIL DISTRIBUTION

In many countries, Cam & Groove couplings are the standard connection for hoses used in the delivery of fuel to service stations and domestic premises. No tools are needed to make the connection and the risk of cross threading is avoided.



CLEANING

Many industrial cleaning products require hoses. In this example, the hoses can easily be disconnected for storage to facilitate transport or for removal in the event of a blockage occurring.

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AGRICULTURE

SNAPLOCK[®] polypropylene couplings are resistant to most acids and are ideal as hose connections on agricultural sprayers to save time during refilling of tanks.



DRUM FILLING

Here the coupling is incorporated in a system allowing for rapid filling of chemical drums. SNAPLOCK[®] couplings are suitable for suction, delivery and vacuum service.

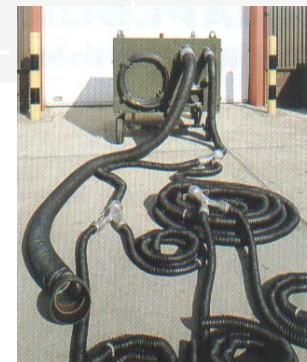
PUMP CONNECTIONS

SNAPLOCK[®] couplings are widely used at the inlet & outlet connections of pumps. Here, couplings are removing oil from the water's surface in an oil spill skimming system.



MILITARY

Per the US military spec MIL-C-27487 (A-A-59326), these couplings are widely used by NATO forces throughout the world to facilitate rapid tactical deployment. Aluminum, anodized couplings to the full spec can be supplied.



SNAPLOCK® COUPLINGS

Technical Information



PROFLOW
DYNAMICS

Diverse Fluid Handling Components and Measurement Solutions

How the coupling works



To connect, simply extend arms and slip the Adapter smoothly into the Coupler. Then press the handles down with normal hand pressure.



SPECIFICATIONS

The standard for cam action couplings has traditionally been based on the US Military Specification, MIL-C-27487, which laid down the casting method, materials, dimensions, tolerances, pressure ratings and inspection procedures. MIL-C-27487 guaranteed interchangeability of products. MIL-C-27487 has now been declared obsolete, and replaced by a new US Federal standard A-A-59326. It is easy to reduce the cost of couplings by not machining adaptors, reducing wall thickness or by using casting methods not approved by the specification. However, the potential additional cost of this is possible leakage, reduced life and costly down time. Our metallic couplings are manufactured fully in accordance with the dimensions and tolerances of MIL-C-27487/A-A-59326 and pressure-tested to three times the recommended working pressure, with polypropylene being pressure tested to twice its working pressure to allow for surges in the line and give enhanced safety. **All couplings are supplied with locking feature as standard. Safety clips may be inserted to lock handles to prevent disconnection during product transfer.**

All descriptive matter, illustrations, dimensions and weights issued in this brochure are for guidance only and cannot be held as binding in any way. We reserve the right to change specifications and other information included in this brochure without any prior notice. We recommend that you contact us to be sure that the information you have is current. All information given in this brochure has been carefully compiled and thoroughly checked. However, no responsibility for possible errors or omissions can be assumed.

WORKING PRESSURES, PSI (Also suitable for vacuum applications)

Material	1/2"	3/4"- 2"	2 1/2"	3"	4"	5"- 6"	6" with (4) handles*
Brass	150	250	150	125	100	75	150
Aluminum	150	250	150	125	100	75	150
Stainless Steel 316	150	250	225	200	100	100	200
Polypropylene	75	100	-	50	-	-	-

1. Line pressure which would tend to move Coupler and Adaptor apart increases pressure on the face of cam insuring increased locking leverage. Safety locks are not necessary under normal conditions.

2. Recess holds gaskets in place ready for positive sealing action.

3. Adaptor and Coupler are designed to minimize turbulence in gases, fluids and abrasion from dry products at the point of connections.



Note: The working pressures shown above 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 158°F and at this temperature, the working pressures above must be reduced by 40%.

*A four-handle high-pressure Coupler is available for some 6" parts.

CERTIFICATION

Full material certification is available if requested at the time of order. However, as most parts are made for stock, contracts requiring certification will be subject to special quotation and extended delivery.

THREADS

Standard SNAPLOCK® couplings when fitted to nipples are designed to seal on the thread. The male thread is therefore NPT and the female thread is also NPT.

OTHER END FITTINGS

Hosetail (double ribbed for metallic couplings, multi-serrated for polypropylene).

For flanged or weld ends, please see pages 5 - 8 for details.

SNAPLOCK® COUPLINGS

Technical Information



Diverse Fluid Handling Components and Measurement Solutions

MATERIALS AND SIZES											
Coupling Body											
Size Material	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
Brass	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
Aluminum	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
Stainless Steel 316	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
Polypropylene	☺	☺	☺	☺	☺	☺	-	☺	-	-	-

Aluminum Couplings are gravity cast, except for size 5" which is sand cast.

Brass Couplings are either sand cast or forged.

Stainless Steel 316 Couplings are investment cast and may be electro-polished for sanitary applications, if required.

Polypropylene Couplings are manufactured from acid-resistant, glass-reinforced polypropylene.

HANDLES											
Size Material	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
SS 316 (standard)	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
Brass	☺	☺	☺	☺	☺	☺	-	☺	-	-	-
Locking (Brass)	-	-	-	☺	☺	☺	☺	☺	☺	☺	-
Nylon	-	-	☺	☺	☺	☺	-	☺	-	-	-

Handles: Stainless Steel: for SS 316 & Polypropylene couplings. Brass: for Aluminum & polypropylene couplings.

Pull Rings (fitted to all sizes): Stainless Steel for SS316 couplings. Brass: for Aluminum & polypropylene couplings.


GASKETS													
Size (inch) Material	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	Temp Range °F	Marking/Stripes
Buna N	☺	☺	☺	-	☺	☺	☺	☺	☺	☺	☺	-40/+212	Please contact us
EPDM	☺	☺	☺	☺	☺	☺	☺	☺	☺	-	-	-40/+250	Please contact us
Viton	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	+5/+400	Please contact us
PTFE/Buna N Filler	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	-40/+225	Please contact us
PTFE/Viton Filler	-	-	☺	☺	☺	☺	☺	☺	-	-	-	-40/+225	Please contact us
FEP Encapsulated	-	☺	☺	☺	☺	☺	☺	☺	☺	-	-	-40/+250	Please contact us
Sanitary	☺	☺	☺	☺	☺	☺	☺	☺	-	-	-	-40/+212	Please contact us
Silicone	☺	☺	-	-	-	-	-	-	-	-	-	-	Please contact us
Neoprene	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	-58/+212	Please contact us


Standard gasket materials for metallic couplings are Buna N; and for polypropylene, EPDM


SNAPLOCK® Cam Adapters



Diverse Fluid Handling Components and Measurement Solutions


	Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
	inch	mm								
	Part A Adapter with Female NPT Threads									
	1/2	13	A050-B	0.13	A050-A	0.04	A050-SS	0.13	A050-P	0.05
	3/4	19	A075-B	0.30	A075-A	0.10	A075-SS	0.29	A075-P	0.04
	1	25	A100-B	0.27	A100-A	0.14	A100-SS	0.28	A100-P	0.08
	1 1/4	32	A125-B	0.57	A125-A	0.25	A125-SS	0.58	A125-P	0.07
	1 1/2	40	A150-B	0.86	A150-A	0.27	A150-SS	0.79	A150-P	0.13
	2	50	A200-B	1.12	A200-A	0.36	A200-SS	1.11	A200-P	0.22
	2 1/2	65	A250-B	2.19	A250-A	0.50	A250-SS	2.43	-	-
	3	75	A300-B	2.45	A300-A	0.68	A300-SS	2.22	A300-P	0.40
	4	100	A400-B	4.40	A400-A	1.38	A400-SS	4.14	-	-
	5	125	A500-B	6.18	A500-A	2.16	A500-SS	5.94	-	-
	6	150	A600-B	9.17	A600-A	2.37	A600-SS	6.62	-	-


	Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
	inch	mm								
	Part AW Adapter Butt or Socket Weld (<i>please specify dimensions</i>)									
	1/2	13	-	-	-	-	-	-	-	-
	3/4	19	-	-	-	-	-	-	-	-
	1	25	<i>AW100-B</i>	0.27	<i>AW100-A</i>	0.14	<i>AW100-SS</i>	0.28	-	-
	1 1/4	32	<i>AW125-B</i>	0.57	<i>AW125-A</i>	0.25	<i>AW125-SS</i>	0.58	-	-
	1 1/2	40	<i>AW150-B</i>	0.86	<i>AW150-A</i>	0.27	<i>AW150-SS</i>	0.79	-	-
	2	50	<i>AW200-B</i>	1.12	<i>AW200-A</i>	0.36	<i>AW200-SS</i>	1.11	-	-
	2 1/2	65	<i>AW250-B</i>	2.19	<i>AW250-A</i>	0.50	<i>AW250-SS</i>	2.43	-	-
	3	75	<i>AW300-B</i>	2.45	<i>AW300-A</i>	0.68	<i>AW300-SS</i>	2.22	-	-
	4	100	<i>AW400-B</i>	4.4	<i>AW400-A</i>	1.38	<i>AW400-SS</i>	4.14	-	-
	5	125	<i>AW500-B</i>	6.18	<i>AW500-A</i>	2.16	<i>AW500-SS</i>	5.94	-	-
	6	150	<i>AW600-B</i>	9.17	<i>AW600-A</i>	2.37	<i>AW600-SS</i>	6.62	-	-


	Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
	inch	mm								
	Part F Adapter with Male NPT threads									
	1/2	13	F050-B	0.25	050-A	0.08	F050-SS	0.24	F050-P	0.06
	3/4	19	F075-B	0.45	075-A	0.13	F075-SS	0.39	F075-P	0.06
	1	25	F100-B	0.55	100-A	0.18	F100-SS	0.57	F100-P	0.12
	1 1/4	32	F125-B	0.98	125-A	0.33	F125-SS	0.96	F125-P	0.12
	1 1/2	40	F150-B	1.30	150-A	0.34	F150-SS	1.29	F150-P	0.19
	2	50	F200-B	1.69	200-A	0.69	F200-SS	2.02	F200-P	0.23
	2 1/2	65	F250-B	2.72	250-A	1.02	F250-SS	2.75	-	-
	3	75	F300-B	3.13	300-A	1.30	F300-SS	4.31	F300-P	0.54
	4	100	F400-B	7.77	400-A	2.11	F400-SS	7.33	-	-
	5	125	F500-B	9.13	500-A	2.86	F500-SS	8.89	-	-
	6	150	F600-B	10.19	600-A	3.22	F600-SS	10.38	-	-

Notes:

- Parts in *italics* are not normally in stock. Please check with us for availability.
- 1/2" metallic couplings have one handle. Also a true 1/2" body is not compatible with other manufacturers using a 3/4" body and 1/2" end.
- On polypropylene parts, the 1/2" size has a 3/4" body and the standard 1 1/4" size has a 1" body. Handles, gaskets, dust plugs and caps are therefore 3/4" and 1" respectively. The size 1 1/4" size with 1 1/2" body is also available.


	Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
	inch	mm								
	Part E Adapter with Hose Tail									
	½	13	E050-B	0.18	E050-A	0.06	E050-SS	0.19	E050-P	0.05
	¾	19	E075-B	0.41	E075-A	0.14	E075-SS	0.33	E075-P	0.05
	1	25	E100-B	0.49	E100-A	0.18	E100-SS	0.50	E100-P	0.08
	1¼	32	E125-B	0.97	E125-A	0.32	E125-SS	0.92	E125-P	0.17
	1½	40	E150-B	1.23	E150-A	0.49	E150-SS	1.42	E150-P	0.20
	2	50	E200-B	1.72	E200-A	0.72	E200-SS	1.98	E200-P	0.28
	2½	65	E250-B	2.77	E250-A	1.03	E250-SS	2.75	-	-
	3	75	E300-B	3.93	E300-A	1.52	E300-SS	3.91	E300-P	0.59
	4	100	E400-B	6.70	E400-A	2.40	E400-SS	6.04	-	-
	5	125	E500-B	11.09	E500-A	3.61	E500-SS	10.3	-	-
	6	150	E600-B	13.81	E600-A	5.04	E600-SS	13.8	-	-


	Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
	inch	mm								
	Part FLA Adapter with Flange (please state specifications)									
	½	13	-	Wt. varies with flange spec.	-	Wt. varies with flange spec.	-	Wt. varies with flange spec.	-	Wt. varies with flange spec.
	¾	19	<i>FLA075-B</i>		<i>FLA075-A</i>		<i>FLA075-SS</i>		<i>FLA075-P</i>	
	1	25	<i>FLA100-B</i>		<i>FLA100-A</i>		<i>FLA100-SS</i>		<i>FLA100-P</i>	
	1¼	32	<i>FLA125-B</i>		<i>FLA125-A</i>		<i>FLA125-SS</i>		-	
	1½	40	<i>FLA150-B</i>		<i>FLA150-A</i>		<i>FLA150-SS</i>		<i>FLA150-P</i>	
	2	50	<i>FLA200-B</i>		<i>FLA200-A</i>		<i>FLA200-SS</i>		<i>FLA200-P</i>	
	2½	65	<i>FLA250-B</i>		<i>FLA250-A</i>		<i>FLA250-SS</i>		-	
	3	75	<i>FLA300-B</i>		<i>FLA300-A</i>		<i>FLA300-SS</i>		<i>FLA300-P</i>	
	4	100	<i>FLA400-B</i>		<i>FLA400-A</i>		<i>FLA400-SS</i>		-	
	5	125	-		-		-		-	
	6	150	<i>FLA600-B</i>		<i>FLA600-A</i>		<i>FLA600-SS</i>		-	


	Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
	inch	mm								
	Part DP Dust Plug*									
	½	13	DP050-B	0.21	DP050-A	0.07	DP050-SS	0.16	See note below	-
	¾	19	DP075-B	0.34	DP 075-A	0.11	DP075-SS	0.23	DP075-P	0.05
	1	25	DP100-B	0.34	DP 100-A	0.13	DP100-SS	0.35	DP100-P	0.05
	1¼	32	DP125-B	0.70	DP 125-A	0.22	DP125-SS	0.68	See note below	-
	1½	40	DP150-B	0.63	DP 150-A	0.27	DP150-SS	0.92	DP150-P	0.08
	2	50	DP200-B	0.85	DP 200-A	0.42	DP200-SS	1.39	DP200-P	0.11
	2½	65	DP250-B	1.72	DP 250-A	0.62	DP250-SS	1.13	-	-
	3	75	DP300-B	2.09	DP 300-A	0.68	DP300-SS	2.24	DP300-P	0.17
	4	100	DP400-B	4.47	DP 400-A	1.30	DP400-SS	4.00	-	-
	5	125	DP500-B	6.27	DP 500-A	2.05	DP500-SS	5.94	-	-
	6	150	DP600-B	6.81	DP 600-A	2.19	DP600-SS	8.36	-	-

Notes:

- Parts in *italics* are not normally in stock. Please check with us for availability.
- ½” metallic couplings have one handle. Also a true ½” body may not be compatible with other manufacturers using a ¾” body and ½” end.
- On polypropylene parts, the ½” size has a ¾” body and the standard 1 ¼” size has a 1” body. Handles, gaskets, dust plugs and caps are therefore ¾” and 1” respectively. Size 1¼” with 1½” body is also available.

	Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
	inch	mm								
	Part D Coupler with Female NPT Threads									
	½	13	D050-B	0.36	D050-A	0.14	D050-SS	0.32	D050-P	0.10
	¾	19	D075-B	0.68	D075-A	0.22	D075-SS	0.58	D075-P	0.10
	1	25	D100-B	0.77	D100-A	0.38	D100-SS	0.80	D100-P	0.30
	1¼	32	D125-B	1.56	D125-A	0.79	D125-SS	1.39	D125-P	0.35
	1½	40	D150-B	1.54	D150-A	0.79	D150-SS	1.71	D150-P	0.35
	2	50	D200-B	1.76	D200-A	1.01	D200-SS	2.16	D200-P	0.44
	2½	65	D250-B	4.03	D250-A	1.37	D250-SS	2.73	-	-
	3	75	D300-B	4.11	D300-A	1.83	D300-SS	4.02	D300-P	0.75
	4	100	D400-B	7.03	D400-A	3.25	D400-SS	5.79	-	-
	5	125	D500-B	11.29	D500-A	4.20	D500-SS	8.69	-	-
	6	150	D600-B	16.73	D600-A	4.46	D600-SS	14.99	-	-

	Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
	inch	mm								
	Part DW Coupler Butt or Socket Weld (<i>please specify dimensions</i>)									
	½	13	-	-	-	-	-	-	-	-
	¾	19	-	-	-	-	-	-	-	-
	1	25	<i>DW100-B</i>	0.77	<i>DW 100-A</i>	0.38	<i>DW100-SS</i>	0.80	-	-
	1¼	32	<i>DW125-B</i>	1.56	<i>DW 125-A</i>	0.79	<i>DW125-SS</i>	1.39	-	-
	1½	40	<i>DW150-B</i>	1.54	<i>DW 150-A</i>	0.79	<i>DW150-SS</i>	1.71	-	-
	2	50	<i>DW200-B</i>	1.76	<i>DW 200-A</i>	1.01	<i>DW200-SS</i>	2.16	-	-
	2½	65	<i>DW250-B</i>	4.03	<i>DW 250-A</i>	1.37	<i>DW250-SS</i>	2.73	-	-
	3	75	<i>DW300-B</i>	4.11	<i>DW 300-A</i>	1.83	<i>DW300-SS</i>	4.02	-	-
	4	100	<i>DW400-B</i>	7.03	<i>DW 400-A</i>	3.25	<i>DW400-SS</i>	5.79	-	-
	5	125	<i>DW500-B</i>	11.29	<i>DW 500-A</i>	4.20	<i>DW500-SS</i>	8.69	-	-
	6	150	<i>DW600-B</i>	16.73	<i>DW 600-A</i>	4.46	<i>DW600-SS</i>	14.99	-	-

	Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
	inch	mm								
	Part B Coupler with Male NPT Threads									
	½	13	B050-B	0.33	B050-A	0.13	B050-SS	0.29	B050-P	0.08
	¾	19	B075-B	0.52	B 075-A	0.24	B075-SS	0.51	B075-P	0.08
	1	25	B100-B	0.95	B 100-A	0.39	B100-SS	0.76	B100-P	0.28
	1¼	32	B125-B	1.49	B 125-A	0.71	B125-SS	1.30	B125-P	0.35
	1½	40	B150-B	1.52	B 150-A	0.80	B150-SS	1.57	B150-P	0.55
	2	50	B200-B	1.73	B 200-A	0.91	B200-SS	2.05	B200-P	0.66
	2½	65	B250-B	3.27	B 250-A	1.33	B250-SS	2.97	-	-
	3	75	B300-B	3.99	B 300-A	1.80	B300-SS	3.89	B300-P	1.00
	4	100	B400-B	6.35	B 400-A	2.33	B400-SS	5.14	-	-
	5	125	B500-B	9.53	B 500-A	3.28	B500-SS	7.99	-	-
	6	150	B600-B	12.21	B 600-A	4.12	B600-SS	11.81	-	-

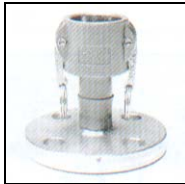
Note:

- Parts in *italics* are not normally in stock. Please check with us for availability.

Nominal Size		Brass	Wt. Lbs	Aluminum	Wt. Lbs	Stainless Steel 316	Wt. Lbs	Poly-propylene	Wt. Lbs
inch	mm								
Part C Coupler with Hose Tail									
½	13	C050-B	0.37	C050-A	0.13	C050-SS	0.33	C050-P	0.08
¾	19	C075-B	0.61	C075-A	0.24	C075-SS	0.56	C075-P	0.08
1	25	C100-B	1.06	C100-A	0.40	C100-SS	0.86	C100-P	0.28
1¼	32	C125-B	1.56	C125-A	0.83	C125-SS	1.36	C125-P	0.35
1½	40	C150-B	1.88	C150-A	0.84	C150-SS	1.67	C150-P	0.54
2	50	C200-B	2.93	C200-A	1.18	C200-SS	2.33	C200-P	0.66
2½	65	C250-B	3.72	C250-A	1.40	C250-SS	3.05	-	-
3	75	C300-B	5.43	C300-A	2.14	C300-SS	4.70	C300-P	1.00
4	100	C400-B	6.86	C400-A	3.07	C400-SS	6.59	-	-
5	125	C500-B	12.63	C500-A	4.07	C500-SS	10.20	-	-
6	150	C600-B	15.99	C600-A	6.16	C600-SS	15.97	-	-



Part FLB Coupler with Flange (please state specifications)									
½	13	-	Wt. varies with flange spec.	-	Wt. varies with flange spec.	-	Wt. varies with flange spec.	-	Wt. varies with flange spec.
¾	19	<i>FLB075-B</i>		<i>FLB075-A</i>		<i>FLB075-SS</i>		<i>FLB075-P</i>	
1	25	<i>FLB100-B</i>		<i>FLB 100-A</i>		<i>FLB100-SS</i>		<i>FLB100-P</i>	
1¼	32	<i>FLB125-B</i>		<i>FLB 125-A</i>		<i>FLB125-SS</i>		-	
1½	40	<i>FLB150-B</i>		<i>FLB 150-A</i>		<i>FLB150-SS</i>		<i>FLB150-P</i>	
2	50	<i>FLB200-B</i>		<i>FLB 200-A</i>		<i>FLB200-SS</i>		<i>FLB200-P</i>	
2½	65	<i>FLB250-B</i>		<i>FLB 250-A</i>		<i>FLB250-SS</i>		-	
3	75	<i>FLB300-B</i>		<i>FLB 300-A</i>		<i>FLB300-SS</i>		<i>FLB300-P</i>	
4	100	<i>FLB400-B</i>		<i>FLB 400-A</i>		<i>FLB400-SS</i>		-	
5	125	-		-		-		-	
6	150	<i>FLB600-B</i>	<i>FLB 600-A</i>	<i>FLB600-SS</i>	-				



Part DC Dust Cap*									
½	13	DC050-B	0.32	DC050-A	0.13	DC050-SS	0.28	See note below	-
¾	19	DC075-B	0.54	DC 075-A	0.19	DC075-SS	0.28	DC075-P	0.08
1	25	DC100-B	0.91	DC 100-A	0.37	DC100-SS	0.68	DC100-P	0.20
1¼	32	DC125-B	1.28	DC 125-A	0.68	DC125-SS	1.19	See note below	-
1½	40	DC150-B	1.38	DC 150-A	0.75	DC150-SS	1.46	DC150-P	0.52
2	50	DC200-B	1.60	DC 200-A	0.88	DC200-SS	1.82	DC200-P	0.57
2½	65	DC250-B	3.05	DC 250-A	1.17	DC250-SS	2.35	-	-
3	75	DC300-B	3.43	DC 300-A	1.25	DC300-SS	3.50	DC300-P	1.04
4	100	DC400-B	5.47	DC 400-A	1.94	DC400-SS	4.88	-	-
5	125	DC500-B	9.68	DC 500-A	3.54	DC500-SS	7.72	-	-
6	150	DC600-B	13.53	DC 600-A	5.61	DC600-SS	11.2	-	-



*Retaining chains are available - please see page 9.



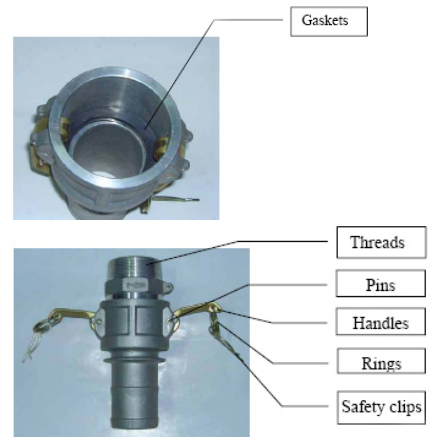
Dust Caps with Locking handles are also available. These handles may be padlocked for security.

Notes:

- Parts in *italics* are not normally in stock. Please check with us for availability.
- On polypropylene parts, the ½" size has a ¾" body and the standard 1¼" size has a 1" body. Handles, gaskets, dust plugs and caps are therefore ¾" and 1" respectively. Size 1¼" with 1½" body is also available.

Size		Buna	EPDM	Viton	Neoprene	Food Quality Neoprene	Weight Lbs
½	13	G050-B	G050-E	G050-V	G050-N	-	0.004
¾	19	G075-B	G075-E	G075-V	G075-N	G075-NF	0.006
1	25	G100-B	G100-E	G100-V	G100-N	G100-NF	0.008
1¼	32	G125-B	G125-E	G125-V	G125-N	G125-NF	0.011
1½	40	G150-B	G150-E	G150-V	G150-N	G150-NF	0.013
2	50	G200-B	G200-E	G200-V	G200-N	G200-NF	0.020
2½	65	G250-B	G250-E	G250-V	G250-N	-	0.024
3	75	G300-B	G300-E	G300-V	G300-N	G300-NF	0.033
4	100	G400-B	G400-E	G400-V	G400-N	-	0.055
5	125	G500-B	-	G500-V	G500-N	-	0.077
6	150	G600-B	-	G600-V	G600-N	-	0.099

Size		PTFE with Buna Filler	PTFE with Viton Filler	FEP Encapsulated	Silicone
½	13	G050-T	-	-	-
¾	19	G075-T	-	G075-TT	G075-S
1	25	G100-T	G100-TV	G100-TT	G100-S
1¼	32	G125-T	G125-TV	G125-TT	-
1½	40	G150-T	G150-TV	G150-TT	-
2	50	G200-T	G200-TV	G200-TT	-
2½	65	G250-T	-	-	-
3	75	G300-T	G300-TV	G300-TT	-
4	100	G400-T	-	G400-TT	-
5	125	G500-T	-	-	-
6	150	G600-T	-	-	-

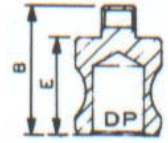
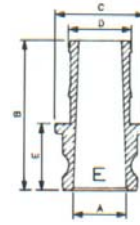
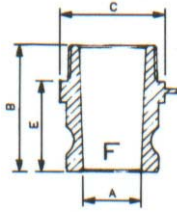
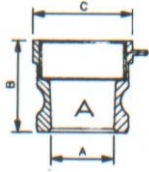


Coupling Size inch	Brass Handle	Wt. Lbs	Stainless Steel Handle	Wt. Lbs	Pin	Wt. Lbs	Ring	Wt. Lbs
½ - ¾	H050-BR	0.024	H050-SS	0.024	P050	0.004	R050	0.007
1	H100-BR	0.048	H100-SS	0.048	P100	0.011	R050	0.007
1¼ - 2½	H200-BR	0.146	H200-SS	0.146	P200	0.020	R200	0.015
3 - 4	H300-BR	0.185	H300-SS	0.185	P300	0.035	R200	0.015
5	H300-BR	0.185	H300-SS	0.185	P500	0.048	R200	0.015
6	H600-BR	0.561	H600-SS	0.561	P600	0.081	R200	0.015

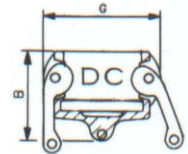
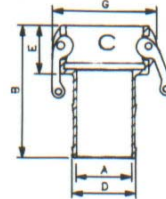
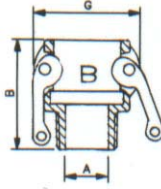
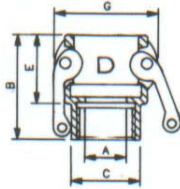
Length		Brass	Wt. Lbs	Stainless Steel	Wt. Lbs
inch	mm				
8	200	-	-	CH800-SS	0.042
12	300	CH1200-BR	0.042	CH1200-SS	0.059

SNAPLOCK® Couplings - General Dimensions

ADAPTERS



COUPLERS



A

Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Dim	13	19	25	32	40	50	65	75	100	125	150
A	13	20	24	28	35	45	55	72	97	121	145
B	37	41	46	55	58	62	89	71	80	85	89
C	26	35	38	47	56	69	82	101	126	150	182

D

Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Dim	13	19	25	32	40	50	65	75	100	125	150
A	14	21	25	30	36	46	56	73	101	121	141
B	48	53	60	70	74	81	87	90	100	102	108
C	26	34	40	51	57	68	82	98	124	152	181
E	32	35	39	46	47	54	57	59	61	63	68
G	39	54	59	70	80	89	105	121	150	180	220

F

Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Dim	13	19	25	32	40	50	65	75	100	125	150
A	13	21	25	28	36	45	55	72	96	124	151
B	56	59	68	78	81	87	101	103	118	127	121
C	26	35	38	47	56	68	79	101	126	150	181
E	37	41	45	54	58	62	69	71	79	82	78

B

Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Dim	13	19	25	32	40	50	65	75	100	125	150
A	14	19	23	30	36	47	60	72	100	123	150
B	47	54	62	68	72	79	87	91	99	103	113
G	39	54	60	80	81	89	105	90	148	175	220

E

Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Dim	13	19	25	32	40	50	65	75	100	125	150
A	14	20	25	28	36	45	55	72	96	120	143
B	64	84	93	104	110	128	135	160	168	193	243
C	29	35	38	49	58	76	79	98	122	162	178
D	15	21	27	34	40	53	66	78	102	126	152
E	29	34	37	46	49	57	57	58	60	71	76

C

Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Dim	13	19	25	32	40	50	65	75	100	125	150
A	10	13	19	26	32	43	56	66	90	106	144
B	73	87	97	104	109	125	136	160	170	187	256
D	15	21	27	33	41	53	68	76	103	130	155
E	31	35	40	46	47	53	56	58	62	65	66
G	39	54	60	79	86	97	105	121	148	175	220

DP

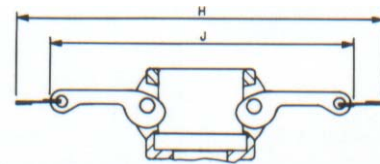
Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Dim	13	19	25	32	40	50	65	75	100	125	150
B	36	38	46	53	55	63	68	66	70	75	88
E	27	25	34	41	41	49	53	52	54	53	90

DC

Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Dim	13	19	25	32	40	50	65	75	100	125	150
B	43	46	52	60	63	70	73	78	90	105	113
G	39	54	59	70	80	89	105	121	150	180	220

OVERALL WIDTH WITH HANDLES OPEN

Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Dim	13	19	25	32	40	50	65	75	100	125	150
H	149	157	180	235	245	254	267	311	340	368	487
J	103	111	140	182	189	200	211	248	276	305	419



NOTE: All dimensions are typical only. The precise dimension of parts will vary from material to material. If dimensions are critical to an application, we strongly recommend that you contact us to obtain detailed information.

Cam & Groove Couplings

are probably the world's most widely used

quick connect couplings

because of the great

variety of suitable

applications. This can be

best illustrated by looking

at a few uses within a

typical petrochemical

process plant.

FLEXIBILITY

SAFETY

VERSTALITY

SPEED

NO TOOLS

SOLIDS

Aluminum couplings can be used to join piping carrying solids, powders or pellets. The system can then be easily disconnected if blockages occur.



TABLET PRESSES

For hygienic applications, couplings can be electro-polished and fitted with food quality seals. The seals can easily be removed for steam cleaning.



PROCESS

SNAPLOCK® couplings are particularly effective in the rapid changing of lines to mixing vessels in pilot plants, saving time compared with flanged or threaded fittings.



STORAGE

Cam & Groove couplings are a standard option on IBC containers to allow rapid filling and emptying even with aggressive chemicals. Stainless Steel or polypropylene couplings are resistant to most acids and corrosive solvents.





Our State-of-the Art Guarantee:

At Flow Lock, we understand that success is a result of mastering customer service, perfecting skills and setting the standard for excellence.

State-of-the-art service, experience, quality, and reliability: This is our promise to you. We will listen to your needs and identify the ideal solution. From design to manufacture to stocking for rapid delivery Please contact our application engineers.

How to Specify and Order SNAPLOCK® Cam & Groove Couplings

Furnishing the information below will speed deliveries of your order. Please order by figure number.

SNAPLOCK® CAM & GROOVE FIGURE NO. CODE SYSTEM				
SNAPLOCK® Part	Size (inch)	Coupling Body Material	Handle Material	Gasket Material
A: Female Adapter	050: ½"	A: Aluminum	X: Standard	B: Buna N
B: Male Coupler	075: ¾"	B: Brass	BR: Brass	E: EPDM
C: Hosetail Coupler	100: 1"	SS: Stainless Steel, type 316	SS: Stainless Steel, type 304	V: VITON
D: Female Coupler	125: 1¼"	P: Polypropylene		T: PTFE/BUNA
E: Hose-tail Adapter	150: 1½"			TV: PTFE/VITON
F: Male Adapter	200: 2"			TT: FEP, Encapsulated
DC: Dust Cover	400: 4"			NF: Neoprene, food quality
DP: Dust Plug	500: 5"			N: Neoprene
AW: BW or SW Adapter	600: 6"			S: Silicone
DW: BW or SW Coupler				Notes:
FLA: Flanged Adapter				■ Buna N is standard material on metallic couplings.
FLB: Flanged Coupler				■ EPDM is standard material on Polypropylene couplings.
H: Handle				
P: Pin				
R: Ring				
SL: Anti-vibration Clip				
G: Gasket				
H: Handle				
See pages 5-9	See pages 5-9	See pages 3-4	See page 9	See page 9

Notes: (1) This is a basic Figure Number Code System only. Not all combinations available.

(2) All Couplers and Adapters have standard NPT threads.

TO DETERMINE THE TYPE OF COUPLING FROM FIGURE NUMBER

Example: D-200-A-X-B = Female Coupler, size 2", Aluminum body, standard handle material, with Buna N gasket.



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D Y N A M I C S

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