STAINLESS STEEL CAMLOCK PART-C

Type C Cam and Groove Female Coupler x Hose Shank · Stainless steel 316 · Hose Shank

BRAND: SW FLOW CONTROLS | SKU: SW-0023 | SIZE 1/2" to 6" | UP TO 16 BAR / 232 PSI



FIG. 1 | STAINLESS STEEL CAMLOCK PART-C, TYPE C FEMALE COUPLER X HOSE SHANK

PRODUCT OVERVIEW

The SWBM Stainless Steel Camlock Part-C is a Type C cam and groove fitting that terminates a hose with a camlock coupler for quick connection to adapters. It suits quick, repeated connection and disconnection of hoses and pipework in transfer duties.

Two cam arms on the coupler lock over the groove of the mating adapter and compress the gasket to seal the joint. The connection is made or broken by hand, without tools. The 316 stainless steel body gives high corrosion resistance and suits hygienic, chemical and marine duties.

Product type	**Type C, female coupler x hose shank**
End 1	**Female camlock coupler (cam arms)**
End 2	**Hose shank**
Body material	**Stainless steel 316**
Pressure rating	**Up to 16 bar (232 psi)**
Size range	**1/2" to 6" (DN15 to DN150)**

TECHNICAL SPECIFICATION

Design pattern	**A-A-59326 (MIL-C-27487)**	Working pressure	**Up to 16 bar, all sizes**
Body	**Stainless steel 316 (CF8M, ASTM A351)**	Temperature	**-20°C to +100°C, NBR seal**
Connection	**Hose shank**	Mates with	**Type A, E, F and DP**
Seal	**Gasket, NBR (Buna-N)**	Operation	**Hand operated cam lever**
Cam arms	**Stainless steel**	Excluded service	**Compressed air, steam**
Pins and pull rings	**Stainless steel**	Size range	**1/2" to 6"**

BILL OF MATERIALS

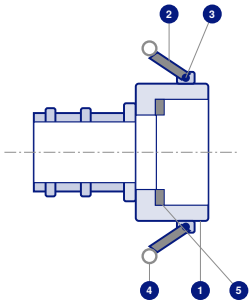


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	COMPONENT	MATERIAL
1	Body	Stainless steel 316 (CF8M, ASTM A351)
2	Cam arm (2 per coupler)	Stainless steel
3	Cam arm pin	Stainless steel
4	Pull ring	Stainless steel
5	Gasket	NBR (Buna-N)

Gasket and cam arms are replaceable. Safety clips may be fitted to the pull rings to stop the arms opening. Alternative gasket elastomers against enquiry.

DIMENSIONS AND WEIGHTS

SIZE	DN	CONNECTION	A	B	C	WEIGHT (KG)
3/4"	20	Hose shank	86	54	52	0.23
1"	25	Hose shank	100	62	60	0.36
1.1/4"	32	Hose shank	107	64	83	0.57
1.1/2"	40	Hose shank	110	66	90	0.64
2"	50	Hose shank	128	77	99	0.96
2.1/2"	65	Hose shank	134	83	113	1.10
3"	80	Hose shank	160	106	132.5	1.89
4"	100	Hose shank	168	112	165	2.60
6"	150	Hose shank	205	140	233	5.55

All dimensions in mm. A = overall length, B = coupler length, C = width over cam arms. Sizes 1/2" and 5" against enquiry. Dimensions and weights are nominal and given for guidance only. Certified drawings are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0023
Size	1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4", 5", 6"
Gasket	NBR standard, other elastomers against enquiry
Material	Stainless steel 316
Order example	**SW-0023 / 2" / NBR**

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.

PRESSURE AND TEMPERATURE

Maximum working pressure	**Up to 16 bar (232 psi)**
Applies to	**All sizes and configurations**
Gasket	**NBR (Buna-N)**
Temperature	**-20°C to +100°C, NBR seal**

Maximum working pressure at +21°C with a standard NBR gasket. The rating of a joint is set by the lower rated of the two mating parts. Not for compressed air or steam service. Confirm duty with SWBM for elevated temperature or aggressive media.

TYPICAL APPLICATIONS

- Petrochemical and oil and gas transfer
- Food, beverage and vegetable oil handling
- Chemical transfer, subject to compatibility
- Water treatment and water supply
- Marine and abrasive service
- General industrial fluid transfer

COMPLIANCE AND QUALITY

- Interchangeable with A-A-59326 (MIL-C-27487) fittings
- Body: Stainless steel 316 (CF8M, ASTM A351)
- Interchangeable with standard cam and groove fittings of the same size
- Stainless steel cam arms, stainless steel pins and stainless steel pull rings
- Replaceable NBR gasket
- All stainless steel construction, including cam arms, pins and rings

INSTALLATION AND OPERATION

- Push the hose fully over the shank
- Secure with hose clamps or ferrules suited to the hose and pressure
- Open both cam arms fully before inserting the adapter
- Close both arms together and secure the pull rings or safety clips
- Check the gasket before each connection and replace if cut or swollen
- Release pressure and drain the line before disconnecting

COMPANY

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