STAINLESS STEEL CAMLOCK PART-B

Type B Cam and Groove Female Coupler x Male Thread · Stainless steel 316 · BSPT & NPT Threaded

BRAND: SW FLOW CONTROLS | SKU: SW-0022 | SIZE 1/2" to 6" | UP TO 16 BAR / 232 PSI



FIG. 1 | STAINLESS STEEL CAMLOCK PART-B, TYPE B FEMALE COUPLER X MALE THREAD

PRODUCT OVERVIEW

The SWBM Stainless Steel Camlock Part-B is a Type B cam and groove fitting that fits a camlock coupler onto a female threaded port, pump or tank outlet. 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 B, female coupler x male thread**
End 1	**Female camlock coupler (cam arms)**
End 2	**Male thread, BSPT & NPT**
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	**Male thread, BSPT & NPT**	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

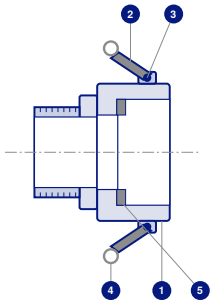


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	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	BSPT or NPT	52	32.5	52	0.21
1"	25	BSPT or NPT	59.5	-	61.5	0.34
1.1/4"	32	BSPT or NPT	68	43.5	83	0.60
1.1/2"	40	BSPT or NPT	69.5	44.5	89.5	0.69
2"	50	BSPT or NPT	75	51	101.5	0.82
2.1/2"	65	BSPT or NPT	83.5	53	110	1.05
3"	80	BSPT or NPT	88	55	132.5	1.38
4"	100	BSPT or NPT	92	56	165	2.17
6"	150	BSPT or NPT	100	62	231	3.89

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

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0022
Size	1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4", 5", 6"
Thread	BSPT or NPT, male
Gasket	NBR standard, other elastomers against enquiry
Material	Stainless steel 316
Order example	**SW-0022 / 2" / BSPT / 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
- BSPT and NPT threads available
- 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

- Apply PTFE tape or an approved sealant to the male thread only
- Tighten on the hexagon, never on the camlock end or cam arms
- 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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