BRASS CAMLOCK PART-B

Type B Cam and Groove Female Coupler x Male Thread · Brass · BSPT & NPT Threaded

BRAND: SW FLOW CONTROLS | SKU: SW-0014 | SIZE 1/2" to 6" | UP TO 16 BAR / 232 PSI



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

PRODUCT OVERVIEW

The SWBM Brass 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 brass body resists corrosion from water, hydraulic oil, coolants, gasoline and petroleum products.

Product type	**Type B, female coupler x male thread**
End 1	**Female camlock coupler (cam arms)**
End 2	**Male thread, BSPT & NPT**
Body material	**Brass**
Pressure rating	**Up to 16 bar (232 psi)**
Size range	**1/2" to 6" (DN15 to DN150)**

TECHNICAL SPECIFICATION

Design pattern	**A-A-59326 pattern**	Working pressure	**Up to 16 bar, all sizes**
Body	**Brass**	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	**Brass**	Excluded service	**Compressed air, steam**
Pins and pull rings	**Steel, zinc plated**	Size range	**1/2" to 6"**

BILL OF MATERIALS

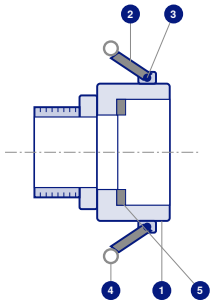


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	COMPONENT	MATERIAL
1	Body	Brass
2	Cam arm (2 per coupler)	Brass
3	Cam arm pin	Steel, zinc plated
4	Pull ring	Steel, zinc plated
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
3/4"	20	BSPT or NPT	55.2	36.2	53.4
1"	25	BSPT or NPT	62.7	43.7	61.5
1.1/4"	32	BSPT or NPT	68.8	44.58	82.7
1.1/2"	40	BSPT or NPT	68	46	90.5
2"	50	BSPT or NPT	75.8	52	100
2.1/2"	65	BSPT or NPT	88.64	59.64	112.5
3"	80	BSPT or NPT	86	55	137.6
4"	100	BSPT or NPT	95	57	165.7
6"	150	BSPT or NPT	100	62	221.3

All dimensions in mm. A = overall length, B = coupler length, C = width over cam arms. Sizes 1/2" and 5" against enquiry. Dimensions follow the aluminium A-A-59326 pattern and are nominal for brass; brass weights on request. Dimensions and weights are nominal and given for guidance only. Certified drawings are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0014
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	Brass
Order example	**SW-0014 / 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

- Marine fuelling and bunkering hoses
- Petroleum and oil product transfer
- Water, hydraulic oil and coolant lines
- Chemical transfer, subject to compatibility
- Oil and gas service
- General industrial fluid transfer

COMPLIANCE AND QUALITY

- Interchangeable with A-A-59326 (MIL-C-27487) pattern fittings
- Body: Brass
- Interchangeable with standard cam and groove fittings of the same size
- BSPT and NPT threads available
- Brass cam arms, steel, zinc plated pins and steel, zinc plated pull rings
- Replaceable NBR gasket
- Pressure ratings per size shown on this sheet

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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