ALUMINIUM CAMLOCK PART-B

Type B Cam and Groove Female Coupler x Male Thread · Die-cast aluminium · BSPT & NPT Threaded

BRAND: SW FLOW CONTROLS | SKU: SW-0002 | SIZE 1/2" to 6" | UP TO 10 BAR / 145 PSI



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

PRODUCT OVERVIEW

The SWBM Aluminium 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. Die-cast aluminium keeps the fitting light and easy to handle on hoses, tankers and temporary lines.

Product type	**Type B, female coupler x male thread**
End 1	**Female camlock coupler (cam arms)**
End 2	**Male thread, BSPT & NPT**
Body material	**Die-cast aluminium**
Pressure rating	**Up to 10 bar (145 psi)**
Size range	**1/2" to 6" (DN15 to DN150)**

TECHNICAL SPECIFICATION

Design pattern	**A-A-59326 (MIL-C-27487)**
Body	**Die-cast aluminium, ASTM B26 356.0-T6**
Connection	**Male thread, BSPT & NPT**
Seal	**Gasket, NBR (Buna-N)**
Cam arms	**Brass or aluminium**
Pins and pull rings	**Steel, zinc plated**

Working pressure	**Up to 10 bar, all sizes**
Temperature	**-20°C to +100°C, NBR seal**
Mates with	**Type A, E, F and DP**
Operation	**Hand operated cam lever**
Excluded service	**Compressed air, steam**
Size range	**1/2" to 6"**

BILL OF MATERIALS

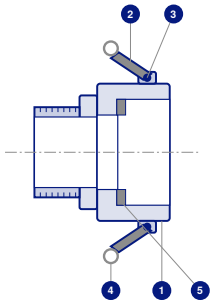


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	COMPONENT	MATERIAL
1	Body	Die-cast aluminium, ASTM B26 356.0-T6
2	Cam arm (2 per coupler)	Brass or aluminium
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	WEIGHT (KG)
3/4"	20	BSPT or NPT	55.2	36.2	53.4	0.11
1"	25	BSPT or NPT	62.7	43.7	61.5	0.16
1.1/4"	32	BSPT or NPT	68.8	44.58	82.7	0.29
1.1/2"	40	BSPT or NPT	68	46	90.5	0.31
2"	50	BSPT or NPT	75.8	52	100	0.38
2.1/2"	65	BSPT or NPT	88.64	59.64	112.5	0.44
3"	80	BSPT or NPT	86	55	137.6	0.64
4"	100	BSPT or NPT	95	57	165.7	0.90
6"	150	BSPT or NPT	100	62	221.3	1.85

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-0002
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	Die-cast aluminium
Order example	**SW-0002 / 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 10 bar (145 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

- Water transfer and dewatering
- Fuel and petroleum product transfer
- Chemical transfer, subject to compatibility
- Agriculture and irrigation
- Construction sites and tanker loading
- Oil and gas and general industrial service

COMPLIANCE AND QUALITY

- Designed to A-A-59326 (MIL-C-27487)
- Body: Die-cast aluminium, ASTM B26 356.0-T6
- Interchangeable with standard cam and groove fittings of the same size
- BSPT and NPT threads available
- Brass or aluminium cam arms, steel, zinc plated pins and steel, zinc plated pull rings
- Replaceable NBR gasket
- Do not weld die-cast components

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

Sunel Wala Building Materials
Trading Co. LLC (SWBM)
Dubai, United Arab Emirates

SALES ENQUIRIES

info@swbm-fittings.com
Tel: +971 4 238 5652
Mobile / WhatsApp: +971 50 748 1772

ONLINE

www.swbm-fittings.com
Brand: SW Flow Controls

The information in this data sheet is provided in good faith and is believed to be accurate at the date of issue. Dimensions, weights and ratings are nominal and may vary with the manufacturer and production batch. It remains the responsibility of the purchaser to confirm that the product is suitable for the intended service conditions. Sunel Wala Building Materials Trading Co. LLC reserves the right to amend specifications without prior notice. This document does not form part of any contract of sale.