ALUMINIUM CAMLOCK PART-A

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

BRAND: SW FLOW CONTROLS | SKU: SW-0001 | SIZE 1/2" to 6" | UP TO 10 BAR / 145 PSI



FIG. 1 | ALUMINIUM CAMLOCK PART-A, TYPE A MALE ADAPTER X FEMALE THREAD

PRODUCT OVERVIEW

The SWBM Aluminium Camlock Part-A is a Type A cam and groove fitting that connects a threaded pipe, pump or tank outlet to a camlock coupler. It suits quick, repeated connection and disconnection of hoses and pipework in transfer duties.

The male groove end locks into any matching camlock coupler of the same size, whose cam arms and gasket make the seal. 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 A, male adapter x female thread**
End 1	**Male camlock adapter (groove)**
End 2	**Female 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	**Female thread, BSPT & NPT**
Seal	**Gasket of mating coupler**
Cam arms	**Not applicable**
Pins and pull rings	**Not applicable**

Working pressure	**Up to 10 bar, all sizes**
Temperature	**-20°C to +100°C, NBR seal**
Mates with	**Type B, C, D and DC**
Operation	**Push fit into coupler**
Excluded service	**Compressed air, steam**
Size range	**1/2" to 6"**

BILL OF MATERIALS

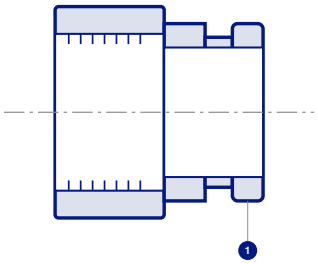


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	COMPONENT	MATERIAL
1	Body, one piece	Die-cast aluminium, ASTM B26 356.0-T6

One piece construction with no loose parts. The joint is sealed by the gasket of the mating coupler. A chain or cord can be attached at the lug where fitted.

DIMENSIONS AND WEIGHTS

SIZE	DN	CONNECTION	A	B	C	WEIGHT (KG)
3/4"	20	BSPT or NPT	41.6	28	35	0.05
1"	25	BSPT or NPT	50	35.5	41	0.07
1.1/4"	32	BSPT or NPT	55.56	40.08	48	0.09
1.1/2"	40	BSPT or NPT	54.5	41.5	55	0.12
2"	50	BSPT or NPT	62.7	48	66.5	0.17
2.1/2"	65	BSPT or NPT	71.44	50.8	81.5	0.26
3"	80	BSPT or NPT	70.5	54.1	96	0.30
4"	100	BSPT or NPT	77.78	52.78	122.5	0.51
6"	150	BSPT or NPT	85.8	58.8	181	1.02

All dimensions in mm. A = overall length, B = adapter length, C = across flats. 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-0001
Size	1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4", 5", 6"
Thread	BSPT or NPT, female
Material	Die-cast aluminium
Order example	**SW-0001 / 2" / BSPT**

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.

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
- Do not weld die-cast components

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

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
- Keep the groove and sealing face clean and free of damage
- Insert fully into the coupler before closing its cam arms
- 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

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