BRASS CAMLOCK PART-A

Type A Cam and Groove Male Adapter x Female Thread · Brass · BSP Threaded

BRAND: SW FLOW CONTROLS | SKU: SW-0013 | SIZE 1/2" to 6" | UP TO 17.2 BAR / 250 PSI



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

PRODUCT OVERVIEW

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

Product type	**Type A, male adapter x female thread**
End 1	**Male camlock adapter (groove)**
End 2	**Female BSP thread**
Body material	**Brass**
Pressure rating	**Up to 17.2 bar (250 psi)**
Size range	**1/2" to 6" (DN15 to DN150)**

TECHNICAL SPECIFICATION

Design pattern	**A-A-59326 pattern**	Working pressure	**5.2 to 17.2 bar by size**
Body	**Brass**	Temperature	**-20°C to +100°C, NBR seal**
Connection	**Female BSP, NPT on request**	Mates with	**Type B, C, D and DC**
Seal	**Gasket of mating coupler**	Operation	**Push fit into coupler**
Cam arms	**Not applicable**	Excluded service	**Compressed air, steam**
Pins and pull rings	**Not applicable**	Size range	**1/2" to 6"**

BILL OF MATERIALS

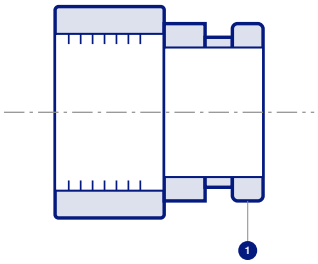


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	COMPONENT	MATERIAL
1	Body, one piece	Brass

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
3/4"	20	BSP female 3/4"	41.6	28	35
1"	25	BSP female 1"	50	35.5	41
1.1/4"	32	BSP female 1.1/4"	55.56	40.08	48
1.1/2"	40	BSP female 1.1/2"	54.5	41.5	55
2"	50	BSP female 2"	62.7	48	66.5
2.1/2"	65	BSP female 2.1/2"	71.44	50.8	81.5
3"	80	BSP female 3"	70.5	54.1	96
4"	100	BSP female 4"	77.78	52.78	122.5
6"	150	BSP female 6"	85.8	58.8	181

All dimensions in mm. A = overall length, B = adapter length, C = across flats. 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-0013
Size	1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4", 5", 6"
Thread	Female BSP standard, NPT on request
Material	Brass
Order example	**SW-0013 / 2" / BSP**

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

Size 1/2"	**10.3 bar (150 psi)**
Size 3/4" to 2"	**17.2 bar (250 psi)**
Size 2.1/2"	**10.3 bar (150 psi)**
Size 3"	**8.6 bar (125 psi)**
Size 4"	**6.9 bar (100 psi)**
Size 5" to 6"	**5.2 bar (75 psi)**

Working pressures 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

- Interchangeable with A-A-59326 (MIL-C-27487) pattern fittings
- Body: Brass
- Interchangeable with standard cam and groove fittings of the same size
- BSP threads standard, NPT on request
- Pressure ratings per size shown on this sheet

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

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

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