ALUMINIUM CAMLOCK PART-D

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

BRAND: SW FLOW CONTROLS | SKU: SW-0004 | SIZE 1/2" to 6" | UP TO 10 BAR / 145 PSI



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

PRODUCT OVERVIEW

The SWBM Aluminium Camlock Part-D is a Type D cam and groove fitting that fits a camlock coupler onto a male threaded pipe, pump or tank connection. 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 D, female coupler x female thread**
End 1	**Female camlock coupler (cam arms)**
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, 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

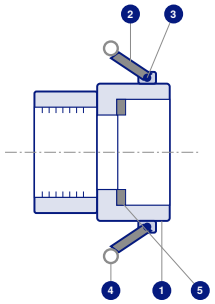


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	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	52.8	32.8	53.4	0.12
1"	25	BSPT or NPT	63.5	40.5	61.5	0.17
1.1/4"	32	BSPT or NPT	63.55	44.5	82.7	0.26
1.1/2"	40	BSPT or NPT	71.5	46	90.5	0.33
2"	50	BSPT or NPT	76.5	52	100	0.39
2.1/2"	65	BSPT or NPT	88.9	55.3	112.5	0.49
3"	80	BSPT or NPT	88	55	137.6	0.57
4"	100	BSPT or NPT	93.7	58.7	165.7	0.96
6"	150	BSPT or NPT	100	62	221.3	1.81

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-0004
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
Gasket	NBR standard, other elastomers against enquiry
Material	Die-cast aluminium
Order example	**SW-0004 / 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

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