STAINLESS STEEL CAMLOCK PART-A

Type A Cam and Groove Male Adapter x Female Thread · Stainless steel 316 · BSPT & NPT Threaded

BRAND: SW FLOW CONTROLS | SKU: SW-0021 | SIZE 1/2" to 6" | UP TO 16 BAR / 232 PSI



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

PRODUCT OVERVIEW

The SWBM Stainless Steel 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 316 stainless steel body gives high corrosion resistance and suits hygienic, chemical and marine duties.

Product type	**Type A, male adapter x female thread**
End 1	**Male camlock adapter (groove)**
End 2	**Female thread, BSPT & NPT**
Body material	**Stainless steel 316**
Pressure rating	**Up to 16 bar (232 psi)**
Size range	**1/2" to 6" (DN15 to DN150)**

TECHNICAL SPECIFICATION

Design pattern	**A-A-59326 (MIL-C-27487)**
Body	**Stainless steel 316 (CF8M, ASTM A351)**
Connection	**Female thread, BSPT & NPT**
Seal	**Gasket of mating coupler**
Cam arms	**Not applicable**
Pins and pull rings	**Not applicable**

Working pressure	**Up to 16 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

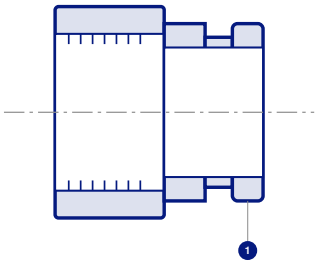


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	COMPONENT	MATERIAL
1	Body, one piece	Stainless steel 316 (CF8M, ASTM A351)

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	40	28	33	0.11
1"	25	BSPT or NPT	49	35	41	0.19
1.1/4"	32	BSPT or NPT	55	42	50	0.25
1.1/2"	40	BSPT or NPT	55	41.5	52	0.35
2"	50	BSPT or NPT	63	48	68	0.49
2.1/2"	65	BSPT or NPT	79	50	83	0.91
3"	80	BSPT or NPT	83	51.5	96	1.05
4"	100	BSPT or NPT	86.5	53	125.5	1.64
6"	150	BSPT or NPT	82	56	178	2.69

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-0021
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	Stainless steel 316
Order example	**SW-0021 / 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 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.

COMPLIANCE AND QUALITY

- Interchangeable with A-A-59326 (MIL-C-27487) fittings
- Body: Stainless steel 316 (CF8M, ASTM A351)
- Interchangeable with standard cam and groove fittings of the same size
- BSPT and NPT threads available
- All stainless steel construction, including cam arms, pins and rings

TYPICAL APPLICATIONS

- Petrochemical and oil and gas transfer
- Food, beverage and vegetable oil handling
- Chemical transfer, subject to compatibility
- Water treatment and water supply
- Marine and abrasive 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

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