PVC CAMLOCK PART-D

Type D Cam and Groove Female Coupler x Female Thread · PVC / polypropylene · BSP Threaded

BRAND: SW FLOW CONTROLS | SKU: SW-0032 | SIZE 1" to 2" | UP TO 6.9 BAR / 100 PSI

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

PRODUCT OVERVIEW

The SWBM PVC 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. The thermoplastic body is light, non-corrosive and resistant to many chemicals, acids and corrosive fluids.

Product type	**Type D, female coupler x female thread**
End 1	**Female camlock coupler (cam arms)**
End 2	**Female BSP thread**
Body material	**PVC / polypropylene**
Pressure rating	**Up to 6.9 bar (100 psi)**
Size range	**1" to 2" (DN25 to DN50)**

TECHNICAL SPECIFICATION

Design pattern	**A-A-59326 pattern**
Body	**Thermoplastic, PVC / polypropylene**
Connection	**Female BSP, NPT on request**
Seal	**Gasket, EPDM or NBR, to order**
Cam arms	**Stainless steel**
Pins and pull rings	**Steel**

Working pressure	**6.9 bar, all sizes**
Temperature	**Ambient, consult SWBM for heat**
Mates with	**Type A, E, F and DP**
Operation	**Hand operated cam lever**
Excluded service	**Compressed air, steam**
Size range	**1" to 2"**

BILL OF MATERIALS

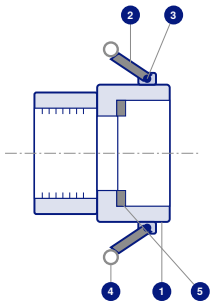

FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	COMPONENT	MATERIAL
1	Body	Thermoplastic, PVC / polypropylene
2	Cam arm (2 per coupler)	Stainless steel
3	Cam arm pin	Steel
4	Pull ring	Steel, zinc plated
5	Gasket	EPDM or NBR, to order

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	END 1	END 2	WORKING PRESSURE	LENGTH AND WEIGHT
1"	25	Coupler	Female BSP thread	6.9 bar (100 psi)	On request
1.1/2"	40	Coupler	Female BSP thread	6.9 bar (100 psi)	On request
2"	50	Coupler	Female BSP thread	6.9 bar (100 psi)	On request

Size refers to the camlock end size. Camlock ends follow the A-A-59326 pattern and mate with standard fittings of the same size. Overall length and weight are given on the certified drawing, issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0032
Size	1", 1.1/2", 2"
Thread	Female BSP standard, NPT on request
Gasket	EPDM or NBR, state with order
Material	PVC / polypropylene
Order example	**SW-0032 / 2" / BSP / EPDM**

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" to 2"	**6.9 bar (100 psi)**

Low pressure rating for thermoplastic camlocks at ambient temperature. Pressure capacity falls as temperature rises. The rating of a joint is set by the lower rated of the two mating parts. Not for compressed air or steam service. Confirm chemical compatibility and duty with SWBM.

COMPLIANCE AND QUALITY

- Camlock ends to the A-A-59326 (MIL-C-27487) pattern
- Body: Thermoplastic, PVC / polypropylene
- Interchangeable with standard cam and groove fittings of the same size
- BSP threads standard, NPT on request
- Stainless steel cam arms, steel pins and steel, zinc plated pull rings
- Replaceable gasket, EPDM or NBR
- Non-corrosive thermoplastic body

TYPICAL APPLICATIONS

- Agricultural spraying and irrigation
- Chemical processing, subject to compatibility
- Low pressure fluid transfer
- Suction and delivery of water and chemicals
- Dry bulk and powder handling
- Tank, IBC and drum connections

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

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