

PVC CAMLOCK PART-A

Type A Cam and Groove Male Adapter x Female Thread · PVC / polypropylene · BSP Threaded

BRAND: SW FLOW CONTROLS

SKU: SW-0029

SIZE 1" to 2"

UP TO 6.9 BAR / 100 PSI



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

PRODUCT OVERVIEW

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

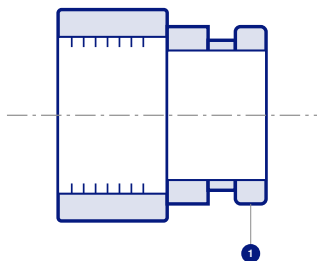
Product type	Type A, male adapter x female thread
End 1	Male camlock adapter (groove)
End 2	Female BSP thread
Body material	PVC / polypropylene
Pressure rating	Up to 6.9 bar (100 psi)
Size range	1" to 2" (DN25 to DN50)

TECHNICAL SPECIFICATION

Design pattern	A-A-59326 pattern	Working pressure	6.9 bar, all sizes
Body	Thermoplastic, PVC / polypropylene	Temperature	Ambient, consult SWBM for heat
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" to 2"



BILL OF MATERIALS



#	COMPONENT	MATERIAL
1	Body, one piece	Thermoplastic, PVC / polypropylene

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.

FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

DIMENSIONS AND WEIGHTS

SIZE	DN	END 1	END 2	WORKING PRESSURE	LENGTH AND WEIGHT
1"	25	Adapter	Female BSP thread	6.9 bar (100 psi)	On request
1.1/2"	40	Adapter	Female BSP thread	6.9 bar (100 psi)	On request
2"	50	Adapter	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-0029
Size	1", 1.1/2", 2"
Thread	Female BSP standard, NPT on request
Material	PVC / polypropylene
Order example	SW-0029 / 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" 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.

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

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
- Non-corrosive thermoplastic body

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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