ALUMINIUM CAMLOCK PART-DA

Type DA Cam and Groove Female Coupler x Male Adapter · Die-cast aluminium · A-A-59326 (MIL-C-27487)

BRAND: SW FLOW CONTROLS | SKU: SW-0012 | SIZE 1" to 6" | UP TO 10 BAR / 145 PSI



FIG. 1 | ALUMINIUM CAMLOCK PART-DA, TYPE DA FEMALE COUPLER X MALE ADAPTER

PRODUCT OVERVIEW

The SWBM Aluminium Camlock Part-DA is a Type DA cam and groove fitting that links camlock fittings of two different nominal sizes and extends hose lines. 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 DA, female coupler x male adapter**
End 1	**Female camlock coupler (cam arms)**
End 2	**Male camlock adapter (groove), different size**
Body material	**Die-cast aluminium**
Pressure rating	**Up to 10 bar (145 psi)**
Size range	**1" to 6" (DN25 to DN150), reducing**

TECHNICAL SPECIFICATION

Design pattern	**A-A-59326 (MIL-C-27487)**
Body	**Die-cast aluminium, ASTM B26 356.0-T6**
Connection	**None**
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 adapters on the coupler end; Type B, C, D couplers on the adapter end**
Operation	**Hand operated cam lever**
Excluded service	**Compressed air, steam**
Size range	**1" to 6"**

BILL OF MATERIALS

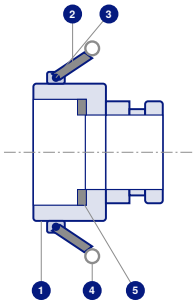


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	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	CONFIGURATION	END 1	END 2	LENGTH AND WEIGHT
2" x 1"	Reducing	Coupler	Adapter	On request
2" x 1.1/2"	Reducing	Coupler	Adapter	On request
2.1/2" x 2"	Reducing	Coupler	Adapter	On request
3" x 2"	Reducing	Coupler	Adapter	On request
3" x 2.1/2"	Reducing	Coupler	Adapter	On request
4" x 2"	Reducing	Coupler	Adapter	On request
4" x 3"	Reducing	Coupler	Adapter	On request
5" x 3"	Reducing	Coupler	Adapter	On request
5" x 4"	Reducing	Coupler	Adapter	On request
6" x 4"	Reducing	Coupler	Adapter	On request
6" x 5"	Reducing	Coupler	Adapter	On request

Reducing sizes are listed with the larger end first; state both end sizes when ordering. Camlock ends follow the A-A-59326 pattern and mate with standard fittings of the same size. Overall length and weight vary with the size combination and are given on the certified drawing, issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0012
Reducing sizes	2" x 1", 2" x 1.1/2", 2.1/2" x 2", 3" x 2", 3" x 2.1/2", 4" x 2", 4" x 3", 5" x 3", 5" x 4", 6" x 4", 6" x 5"
Gasket	NBR standard, other elastomers against enquiry
Material	Die-cast aluminium
Order example	**SW-0012 / 3" x 2" / 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
- 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

- 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
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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