

ALUMINIUM CAMLOCK PART-DC

Type DC Cam and Groove Dust Cap · Die-cast aluminium · A-A-59326 (MIL-C-27487)

BRAND: SW FLOW CONTROLS

SKU: SW-0005

SIZE 1/2" to 6"

UP TO 10 BAR / 145 PSI



FIG. 1 | ALUMINIUM CAMLOCK PART-DC, TYPE DC DUST CAP

PRODUCT OVERVIEW

The SWBM Aluminium Camlock Part-DC is a Type DC cam and groove fitting that closes an open male camlock adapter to keep out dirt and moisture and to prevent spillage. 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 DC, dust cap
End 1	Female camlock coupler (cam arms)
End 2	Closed end
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)	Working pressure	Up to 10 bar, all sizes
Body	Die-cast aluminium, ASTM B26 356.0-T6	Temperature	-20°C to +100°C, NBR seal
Connection	None	Mates with	Type A, E and F adapters
Seal	Gasket, NBR (Buna-N)	Operation	Hand operated cam lever
Cam arms	Brass or aluminium	Excluded service	Compressed air, steam
Pins and pull rings	Steel, zinc plated	Size range	1/2" to 6"



PRODUCT DATA SHEET

ALUMINIUM CAMLOCK PART-DC

Ref. SW-0005 | Rev. 01

BILL OF MATERIALS

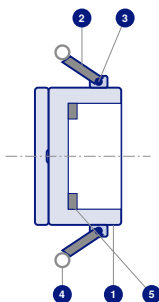


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	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	Closed	42	34.2	53.4	0.10
1"	25	Closed	51.5	42	61.5	0.14
1.1/4"	32	Closed	60	44.5	82.7	0.25
1.1/2"	40	Closed	63	46	90.5	0.28
2"	50	Closed	70.5	52	100	0.36
2.1/2"	65	Closed	71.2	55.2	112.5	0.40
3"	80	Closed	73.5	55	137.6	0.58
4"	100	Closed	77	57	165.7	0.79
6"	150	Closed	98	61	221.3	1.57

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-0005
Size	1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4", 5", 6"
Gasket	NBR standard, other elastomers against enquiry
Material	Die-cast aluminium
Order example	SW-0005 / 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.



PRODUCT DATA SHEET

ALUMINIUM CAMLOCK PART-DC

Ref. SW-0005 | Rev. 01

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

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