

CI DISMANTLING JOINT PN16

Double Flanged Telescopic Dismantling Joint · PN16 Flanged Ends · EPDM Sealed

BRAND: SW FLOW CONTROLS

SKU: SWBM-004

SIZE DN150 TO DN400

PN16 / 16 BAR



FIG. 1 | CI DISMANTLING JOINT PN16, DOUBLE FLANGED WITH TIE BOLTS

PRODUCT OVERVIEW

The SWBM CI Dismantling Joint PN16 is a double flanged, telescopic fitting installed between two flanged components. Its axial adjustment allows valves, meters and pumps to be fitted, removed or serviced without cutting or disturbing the adjacent pipework.

A flanged short pipe slides inside a flanged body and is sealed by an EPDM ring compressed by the body flange. Full length tie bolts lock the joint at its set length once installed. The joint gives 20 mm of adjustment either side of the nominal installation length.

Product type	Double flanged dismantling joint
Design	Telescopic, axially adjustable
End connection	Flanged, PN16 drilling
Seal ring	EPDM
Pressure rating	PN16 (16 bar)
Size range	6" to 16" (DN150 to DN400)

TECHNICAL SPECIFICATION

Pressure rating	PN16	Body and flanges	Carbon steel
Flange drilling	EN 1092-1 PN16	Seal ring	EPDM
Installation length B	194 mm, all sizes	Tie bolts	Stainless steel SS304
Minimum length C	174 mm	Flange thickness b	22 to 32 mm
Maximum length L	214 mm	Bolt holes per flange	8 to 16
Axial adjustment	±20 mm	Service	Water and general liquids



PRODUCT DATA SHEET

CI DISMANTLING JOINT PN16

Ref. SWBM-004 | Rev. 01

BILL OF MATERIALS

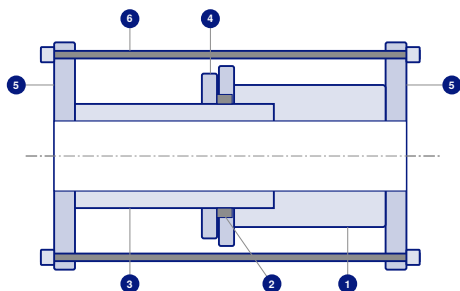


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	COMPONENT	MATERIAL
1	Body	Carbon steel
2	Seal ring	EPDM
3	Short pipe	Carbon steel
4	Body flange (2 nos.)	Carbon steel
5	Connection flange (2 nos.)	Carbon steel
6	Tie bolts (qty per size)	Stainless steel SS304

Component list and materials as per the manufacturer drawing. Coating, bolting grade and flange drilling to other standards against enquiry.

DIMENSIONS AND WEIGHTS

SIZE	DN	D	K	B	C	L	±A	HOLES Ø X N	TIE BOLTS	B
6"	150	285	240	194	174	214	20	22 x 8	4 x 4 x 330	22
8"	200	340	295	194	174	214	20	22 x 12	4 x 6 x 340	24
10"	250	405	355	194	174	214	20	26 x 12	4 x 6 x 360	26
12"	300	460	410	194	174	214	20	26 x 12	4 x 6 x 360	28
14"	350	520	470	194	174	214	20	26 x 16	4 x 8 x 370	30
16"	400	580	525	194	174	214	20	30 x 16	4 x 8 x 370	32

All dimensions in mm. D = flange outside diameter, K = bolt circle diameter, B = installation length, C = minimum length, L = maximum length, a = axial adjustment, b = flange thickness. Tie bolt column as stated on the manufacturer drawing. Dimensions are nominal and given for guidance only. Certified drawings for the supplied make and size are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SWBM-004
Size	6", 8", 10", 12", 14", 16" (DN150 to DN400)
Pressure rating	PN16
Flange drilling	EN 1092-1 PN16
Order example	SWBM-004 / DN200 / PN16

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

Nominal pressure	PN16 (16 bar)
Flange rating	PN16
Seal ring	EPDM
Service	Water and general liquids

The temperature limit is governed by the EPDM seal ring. Confirm duty with SWBM before use on media other than water or at elevated temperature.

TYPICAL APPLICATIONS

- Water distribution networks
- Pumping stations
- Valve chambers and meter installations
- Removal and maintenance of flanged valves and pumps
- Industrial process pipelines

COMPLIANCE AND QUALITY

- Flange outside diameter and bolt circle to EN 1092-1 PN16
- Telescopic design with ± 20 mm axial adjustment
- EPDM seal ring
- Stainless steel SS304 tie bolts
- Common installation length of 194 mm across DN150 to DN400
- Dimensional drawing for each size available on request

INSTALLATION AND OPERATION

- Install next to the valve, meter or pump that will need removal
- Set the joint to installation length B before fitting
- Align mating flanges. Do not use the joint to correct angular misalignment
- Tighten flange bolts evenly in a diagonal sequence
- Tighten the body flange evenly to compress the seal ring, then lock the tie bolts
- To remove equipment, release the tie bolts and retract the short pipe

COMPANY

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