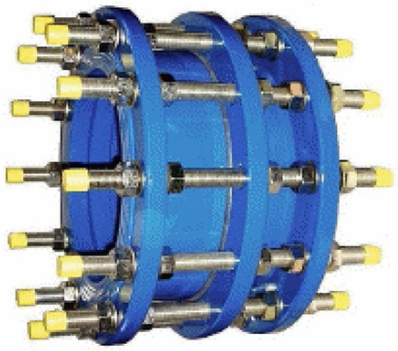
10/06/2026
VCADJ27TPO600

Self restrained dismantling joint large stroke type steel PO DN40-2000 - Reinforced version



The self restrained dismantling joint Type PO for flanged valves allow the installation or removal of an equipment between two fixed flanges of a pipeline.
The sliding system can reach a 50 mm displacement to ease the removal of the equipment.
For this type of self restrained dismantling joint the locking of the valve to the pipeline is made by the tie bars and the gland.

Range

The self restrained dismantling joint **Type PO** exist in a range stretching from DN40 to 2000, for pressure **PFA10**, **PFA16** and **PFA25**.

DN (mm)	PN	A (mm)	ØD (mm)	ØK (mm)	N	M	L (mm)	+e (mm)	-e (mm)	Mass (kg)	References
40	10 - 16	180	150	110	4	M16	310	25	25	11.00	*
40	25	190	150	110	4	M16	310	20	25	11.00	163515
50	10 - 16	180	165	125	4	M16	310	25	25	10.00	160944
50	25	200	165	125	4	M16	330	25	25	12.00	163524
65	10 - 16	180	185	145	4	M16	310	25	25	12.00	160946
65	25	200	185	145	8	M16	330	25	25	17.00	*
80	10 - 16	200	200	160	8	M16	330	25	25	16.00	160949
80	25	210	200	160	8	M16	330	20	25	21.00	163548
100	10 - 16	200	220	180	8	M16	330	25	25	20.00	163561
100	25	220	235	190	8	M20	360	25	25	33.00	163562
125	10 - 16	200	250	210	8	M16	330	25	25	25.00	*

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DN (mm)	PN	A (mm)	ØD (mm)	ØK (mm)	N	M	L (mm)	+e (mm)	-e (mm)	Mass (kg)	References
125	25	220	270	220	8	M24	370	25	25	42.00	163589
150	10 - 16	200	285	240	8	M20	340	25	25	34.00	163607
150	25	230	300	250	8	M24	370	20	25	53.00	163608
200	10	220	340	295	8	M20	360	25	25	48.00	*
200	16	220	340	295	12	M20	360	25	25	48.00	*
200	25	230	360	310	12	M24	390	25	25	74.00	163637
250	10	220	395	350	12	M20	360	25	20	65.00	*
250	16	230	405	355	12	M24	390	25	25	74.00	MDB25DAAP
250	25	250	425	370	12	M27	410	25	25	102.00	163662
300	10	220	445	400	12	M20	380	25	25	72.00	MDB30DABP
300	16	250	460	410	12	M24	410	25	25	92.00	MDB30DAAP
300	25	250	485	430	16	M27	410	20	25	131.00	163681
350	10	230	505	460	16	M20	380	10	25	94.00	160957
350	16	260	520	470	16	M24	430	25	20	126.00	*
350	25	270	555	490	16	M30	460	25	25	193.00	163697
400	10	230	565	515	16	M24	410	25	25	125.00	160958
400	16	270	580	525	16	M27	450	20	25	162.00	MDB40DAAP
400	25	280	620	550	16	M33	480	25	25	246.00	163713
450	10	250	615	565	20	M24	430	25	25	140.00	160959
450	16	270	640	585	20	M27	450	15	25	187.00	MDB45DAAP
450	25	280	670	600	20	M33	480	20	25	280.00	163720
500	10	260	670	620	20	M24	430	10	25	162.00	160960
500	16	280	715	650	20	M30	480	25	25	240.00	*
500	25	300	730	660	20	M33	500	15	25	324.00	163734
600	10	260	780	725	20	M27	450	15	25	205.00	160961
600	16	300	840	770	20	M33	510	15	25	205.00	160962
600	25	320	845	770	20	M36	540	15	25	432.00	163743
700	16	300	910	840	24	M33	500	25	20	366.00	*
700	10	260	895	840	24	M27	450	25	25	256.00	160963
700	25	340	960	875	24	M39	560	15	25	571.00	163753
800	10	290	1015	950	24	M30	480	25	25	352.00	160964
800	16	320	1025	950	24	M36	530	15	25	482.00	MDB80DAAP
800	25	360	1085	990	24	M45	620	25	25	800.00	163764
900	10	290	1115	1050	28	M30	480	20	25	405.00	160965
900	16	320	1125	1050	28	M36	540	25	15	546.00	*

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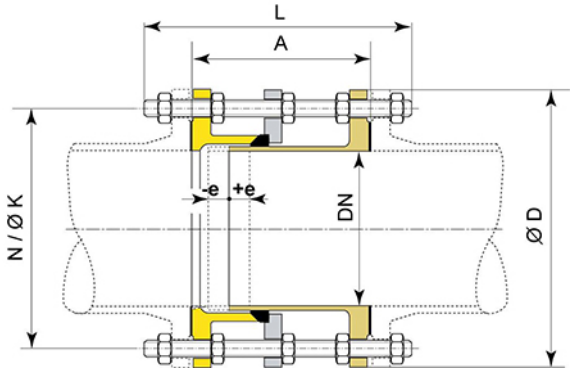
DN (mm)	PN	A (mm)	ØD (mm)	ØK (mm)	N	M	L (mm)	+e (mm)	-e (mm)	Mass (kg)	References
900	25	380	1185	1090	28	M45	635	15	25	886.00	163773
1000	10	290	1230	1160	28	M33	485	15	25	484.00	160952
1000	16	340	1255	1170	28	M39	570	25	15	715.00	*
1000	25	400	1320	1210	28	M52	680	15	25	1270.00	163564
1200	10	320	1455	1380	32	M36	545	25	25	744.00	*
1200	16	360	1485	1390	32	M45	630	25	25	1112.00	MDC12DAAP
1200	25	450	1530	1420	32	M52	760	25	25	1871.00	163591
1400	10	360	1675	1590	36	M39	590	25	25	1036.00	*
1400	16	380	1685	1590	36	M45	660	25	25	1352.00	*
1400	25	500	1755	1640	36	M56	830	25	25	2580.00	163599
1500	10	380	1785	1700	36	M39	616	25	25	1165.00	*
1500	16	400	1820	1710	36	M52	695	25	25	1580.00	*
1500	25	500	1865	1750	36	M56	835	25	25	2805.00	*
1600	10	390	1915	1820	40	M45	645	25	25	1524.00	*
1600	16	420	1930	1820	40	M52	720	25	25	1936.00	*
1600	25	510	1975	1860	40	M56	860	25	25	3132.00	*
1800	10	410	2115	2020	44	M45	675	25	25	1944.00	*
1800	16	420	2130	2020	48	M52	730	25	25	2460.00	*
1800	25	550	2195	2070	44	M64	920	25	25	3850.00	*
2000	10	410	2325	2230	48	M45	675	25	25	2100.00	*
2000	16	450	2345	2230	48	M56	780	25	25	2990.00	*
2000	25	600	2425	2300	48	M64	975	25	25	4560.00	*

(*) Please contact us



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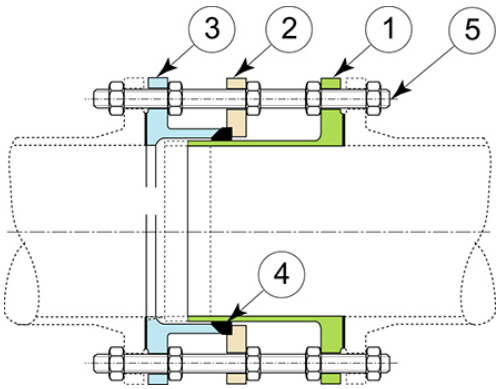
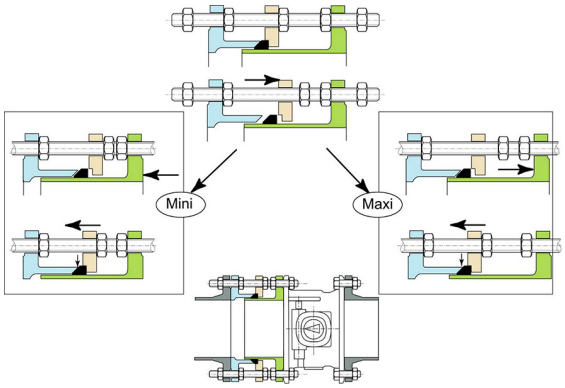
Material and coatings



Item	Description	Description	Description
1	Fixed body	Steel EN 10025 S235JRG2	
2	Gland	Steel EN 10025 S235JRG2	Epoxy Coating 300 µ
3	Sliding body	Steel EN 10025 S235JRG2	
4	Gasket	EPDM rubber	
5	Tie bars	Steel EN 10025 S235JRG2 or S335J2G3 grade 4/6	Hot dipped galvanized 40 µ

Installation



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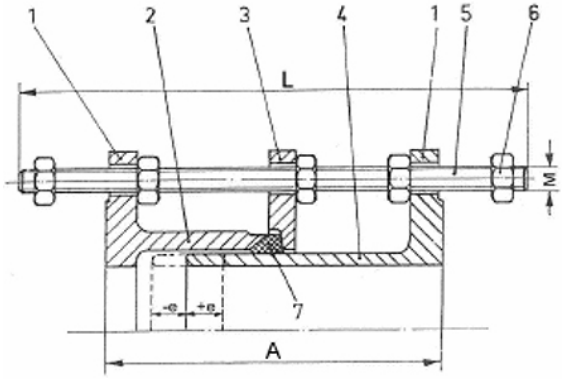
Compliance to Standards

For the self restrained dismantling joint PO
These equipments comply with the standard NFE 29220, especially concerning the flanges dimensions according to the EN 1092-1 or 2 and ISO 7005.
The full-flange sliding body: the flange is according to ISO 7005 standard.
The stroke range is higher than those demanded in the NFE 29220.

Assembly and start up



Description
The self-restrained dismantling joint type "PO" allows the installation and removal of valves pieces or flanged pipes. An active adjustment length until ± 25 mm is possible during the assembly.
The transmission of the forces is carried out by the threaded rods on the counter flange.

Transport
The transport of the pieces must be done professionally in order to avoid damages on the material.

Storing
The self-restrained dismantling joint must be protected from bad weather and pollution. During a long storage period a protection against UV is necessary.

Assembling in the pipe network
It is necessary to control that the flanges to be connected are clean and not damaged. The flanges must be installed in parallel and centered.

Assembly
- To fix the first flange with the flange of the pipe or the valve. The two flanges must be centered and parallel. The flat tightness seals (to be provided by the customer) will also be installed centered.
- The nuts of the first connection are to be tightened (tightening torque according to information given by the supplier of the joint).
- Assembly of the second connection taking into account the necessary mini and maximum length of the dismantling joint (A).

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- After the assembly of two connections, it is necessary to push the tightness seal (7) against the external pipe (2).
- Then it is necessary to tighten the nuts with the ring of tightening (3). Once the assembly of the pipe finished and the length of the dismantling joint defined, it is necessary to tighten the nuts in cross.

The dismantling joint is now ready for operation and can receive the axial thrust of the pipe.

DN	PN10		PN16	
	Threaded rod	Tightening torque to the tightening ring (±10%)	Threaded rod	Tightening torque to the tightening ring (±10%)
mm		Nm		Nm
50	M16	42	M16	42
65	M16	42	M16	42
80	M16	42	M16	42
100	M16	42	M16	42
125	M16	42	M16	42
150	M20	82	M20	82
200	M20	82	M20	82
250	M20	82	M24	140
300	M20	82	M24	140
350	M20	82	M24	140
400	M24	140	M27	210
500	M24	140	M30	280
600	M27	210	M33	380
700	M27	210	M33	380
800	M30	280	M36	640
900	M30	280	M36	640
1000	M33	380	M39	780
1200	M36	640	M45	1200
1400	M39	780	M45	1200
1600	M45	1200	M52	1900

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