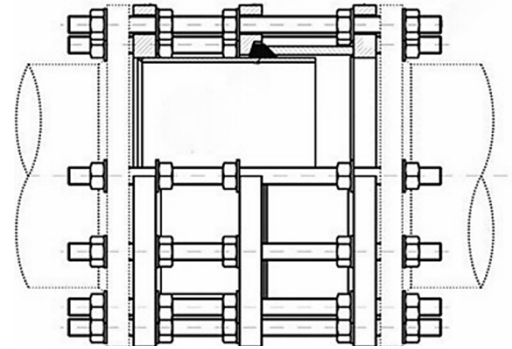


Description: Dismantling Joints prove to be pivotal elements in the conceptualization and planning of pipeline and valve systems, providing critical support during the processes of installation and detachment of pipe sections and valves. With their variable dimensions, they facilitate seamless valve integration into pipelines, consequently reducing the duration of operations. They are particularly effective in streamlining the processes involved in the installation and removal of a multitude of valve types and flanged pipe fittings.



Application:

Dismantling Joints allow easy installation and removal of valves from the pipeline, in case of maintenance or replacement of the valve. By the help of studs and nuts, face to face dimension of the Dismantling Joint can be adjusted so that enough gap is created for valve installation or removal.

Features:

- **Stud Options:** Availability of both half and full stud options upon request.
- **Adjustment Capacity:** Facilitates a 50mm face-to-face adjustment possibility.
- **Material Variety:** Offers diverse stud and nut material options including Hot Dipped Galvanized (HDG), 8:8 Galvanized, and SS316.
- **Customization Flexibility:** Tailored solutions to fit specific application needs, enhancing system adaptability and efficiency.
- **Durability:** High-quality materials ensuring longevity and resistance to wear, optimizing operational life and reducing maintenance costs.



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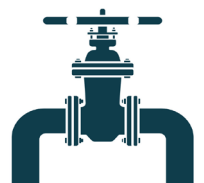
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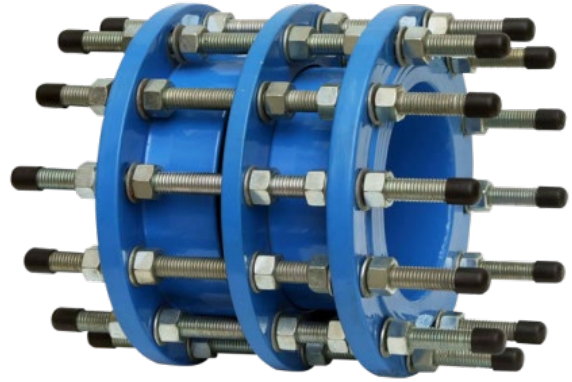
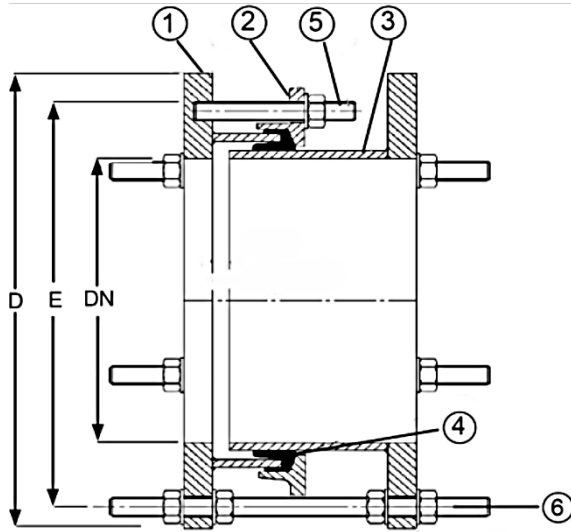
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CORVALVE

DISMANTLING JOINT

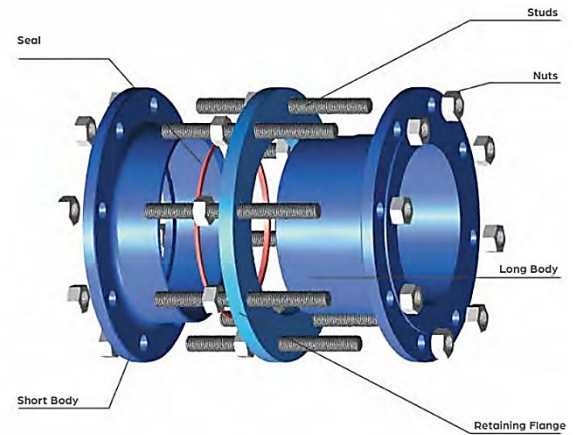
Construction



PART NO.	PART
1	Flange
2	Gland Ring
3	Body
4	Seal
5	Stud, Nut & Washer
6	Tie-rod, Nut & Washer

Material Specification

Parts	Main Materials	
Long Body Short Body Retailing Flange	Ductile Iron	Carbon Steel, Stainless Steel
Seals	EPDM	NBR
Studs Nuts	8:8 (Galv.) & SS316	Hot dipped galvanized (HDG)



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Benefits of Dismantling Joint

- **Versatility:** Dismantling Joints are compatible with various types of valves, pumps, and meters, offering flexibility in application.
- **Ease of Installation:** Their design facilitates simple and straightforward installation and removal, reducing the time required for these operations.
- **Adaptability:** The adjustable size of these joints enables them to fit a wide range of distances between flanges, enhancing their usefulness across varied pipeline systems.
- **Maintenance Simplicity:** These joints allow for easy maintenance and replacement of valves, pumps, or meters, minimizing downtime and operational disruption.
- **Durability:** Constructed from high-quality materials, these joints offer superior longevity and resistance to wear and tear.
- **Future-Proof:** Their design simplifies future modifications in the pipework, making them a cost-effective choice for long-term infrastructure investment.

Pre-Installation:

1. **Compatibility Check:** Ensure the valve is compatible with the operating conditions, including pressure, temperature, corrosiveness, and abrasiveness.
2. **Pipeline Preparation:** Clean the pipe thoroughly to remove debris, dirt, welding residues, etc., preventing damage to the valve and gasket.
3. **Pipeline Integrity:** Confirm the pipeline is continuous and free of tension to prevent leaks and damage to the valve.
4. **Flange Distance Verification:** Measure the distance between the flanges where the valve will be installed, ensuring it matches the length of the valve body.

Operating Principles:

The operational principles of a Dismantling Joint focus on secure connection, length adjustability, easy disassembly, robust sealing, load resistance, and pressure tolerance. These joints serve as an integral link between flanges, adjusting to their specific distance, and facilitating easy maintenance or replacement. Their robust sealing ensures system integrity, while their design withstands both end loads and operational pressures effectively.

Installation:

1. **Space Provision:** Maintain adequate distance between the flanges during installation to prevent damage to the valve gasket and stem.
2. **Valve Insertion:** Install the valve with the disc in an open position to avoid contact with the flange.



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3. **Bolt Tightening:** Secure the valve between the flanges by slowly and evenly tightening bolts and nuts. Over-tightening could distort the gasket and twist the valve.
4. **Vertical Installations:** Install brackets first to prevent weight transmission to the valve, which could affect operation.
5. **Disc Centering:** After the valve installation, manually center the disc and tighten all nut connections.
6. **Component Repair:** Do not attempt to repair or change components. These tasks should be performed by the manufacturer.

Length Adjustability of Dismantling Joints

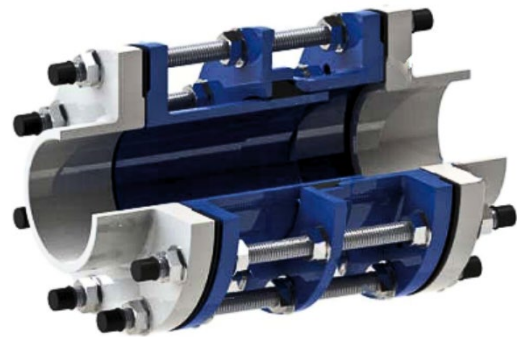
Dismantling Joints offer a valuable feature of length adjustment along the longitudinal axis to meet the required dimensions. Their design permits up to 50mm adjustment in the face-to-face dimension, allowing sufficient space upstream of the valve. This space facilitates not only easy flange connection of the valve but also simplifies the process of valve removal from the pipeline.

Maintenance and the Role of Dismantling Joints

Maintaining an efficient valve operation is vital yet can often prove to be expensive due to the time-consuming installation and removal processes. To mitigate these challenges, the incorporation of Dismantling Joints in tandem with valves is advised. Without these joints, valve removal would necessitate cutting the pipeline or complete disassembly of the piping system. The Dismantling Joint's design, featuring adjustable studs and nuts, enables shortening of its face-to-face dimension, thereby creating the necessary gap for streamlined valve installation or removal.

Notes:

1. Different flange drillings are available, including ISO, EN, ANSI, and others.
2. The standard operating temperature range is -10°C to +80°C.
3. All RAL Colors are available.
4. Potable water certified coating is available.
5. **Fusion Bonded Epoxy**, thermoset and thermoplastic coatings are available.



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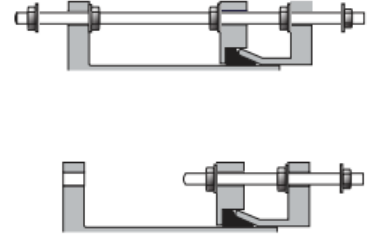
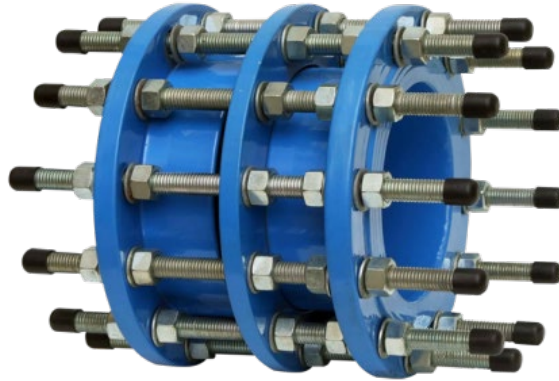
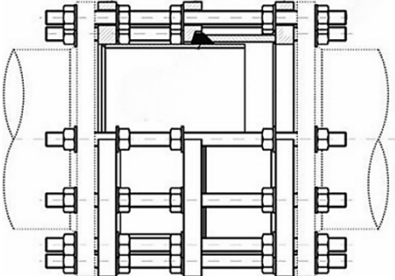
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CORVALVE

DISMANTLING JOINT



DIMENSIONS (mm)

DN	Length				Height				Weight (kg)			
	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40
80	160	160	160	160	270	270	270	270	15	15	15	15
100	175	175	180	180	290	290	290	290	18	18	23	23
125	180	180	195	195	300	300	340	340	22	22	34	34
150	180	180	180	195	300	300	320	340	29	29	35	41
200	200	200	200	210	340	340	340	370	40	42	50	65
250	210	210	210	230	360	360	360	410	54	61	74	110
300	220	220	220	250	360	360	370	440	65	75	100	153
350	230	230	230	260	360	380	410	460	85	98	135	202
400	240	240	240	280	400	430	430	500	105	125	168	288
450	240	240	245	290	400	430	430	510	124	152	202	300
500	250	250	255	300	400	440	440	530	142	198	230	380
600	270	270	280	340	440	480	480	600	195	280	315	576
700	270	280	290	-	440	480	500	-	250	308	425	-
800	300	300	320	390	490	520	550	700	358	412	590	1020
900	300	300	320	-	490	520	550	-	420	485	690	-
1000	340	340	360	-	560	560	625	-	555	655	975	-
1100	340	340	-	-	560	560	-	-	638	685	-	-
1200	360	360	-	-	600	600	-	-	745	955	-	-
1300	370	370	-	-	630	630	-	-	965	1032	-	-
1400	380	380	-	-	630	630	-	-	1090	1165	-	-
1600	400	400	470	-	700	700	800	-	1510	1610	2700	-
1800	450	450	-	-	750	750	-	-	1800	2145	-	-
2000	450	450	520	-	750	800	920	-	2100	3000	4400	-
2200	450	-	-	-	750	-	-	-	2850	-	-	-

Complying Standard - ANSI



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