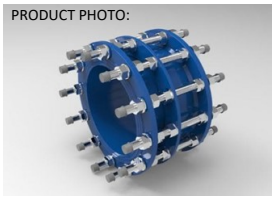
INSTALLATION AND MAINTENANCE INSTRUCTIONS

HIWA DISMANTLING JOINT—FD10

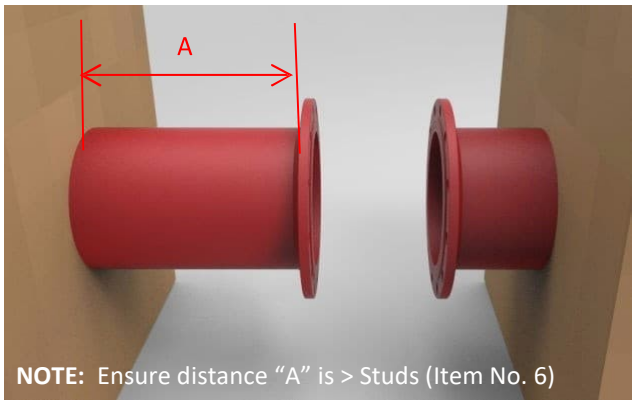
PRODUCT PHOTO:

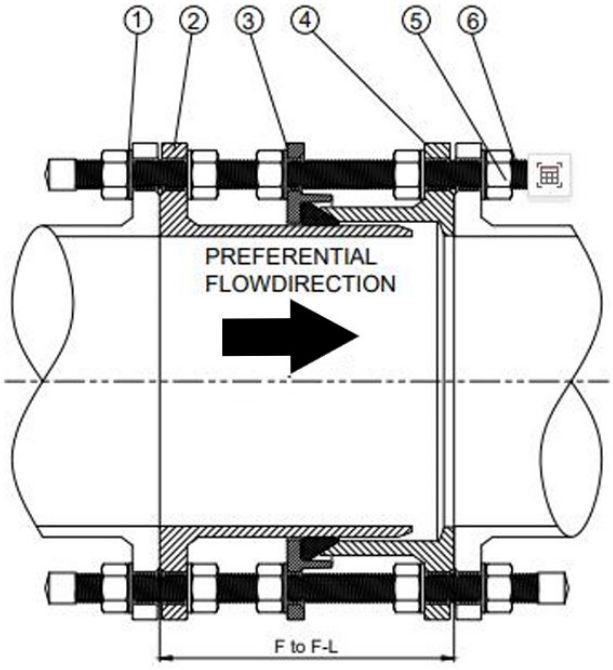


- Do not exceed the maximum admissible temperature of the equipment.
- Do not exceed the maximum allowable operating over-pressure.
- User is responsible for ensuring with appropriate safety devices to not exceed the maximum design pressure of the joint.

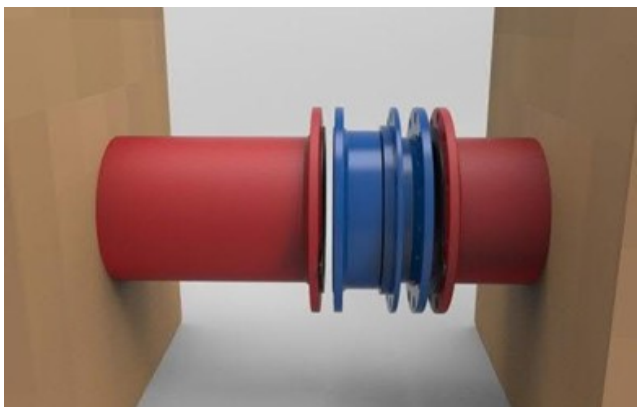
INSTALLATION

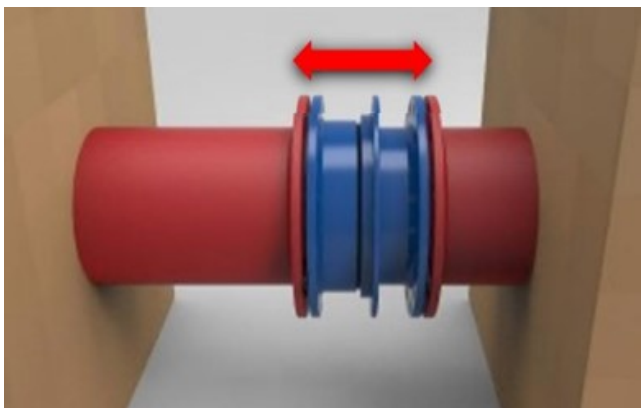
1. Ensure install distance complies with dimensional tolerance, ideally L ± 5mm





2. Remove Studs, Washers & Nuts (1,6 & 7). Put Dismantling Joint between flanges & adjust until free play is taken up, ensuring maximum tolerance is not exceeded. NOTE: Gaskets to be installed between **Dismantling Joint** & **flanges**





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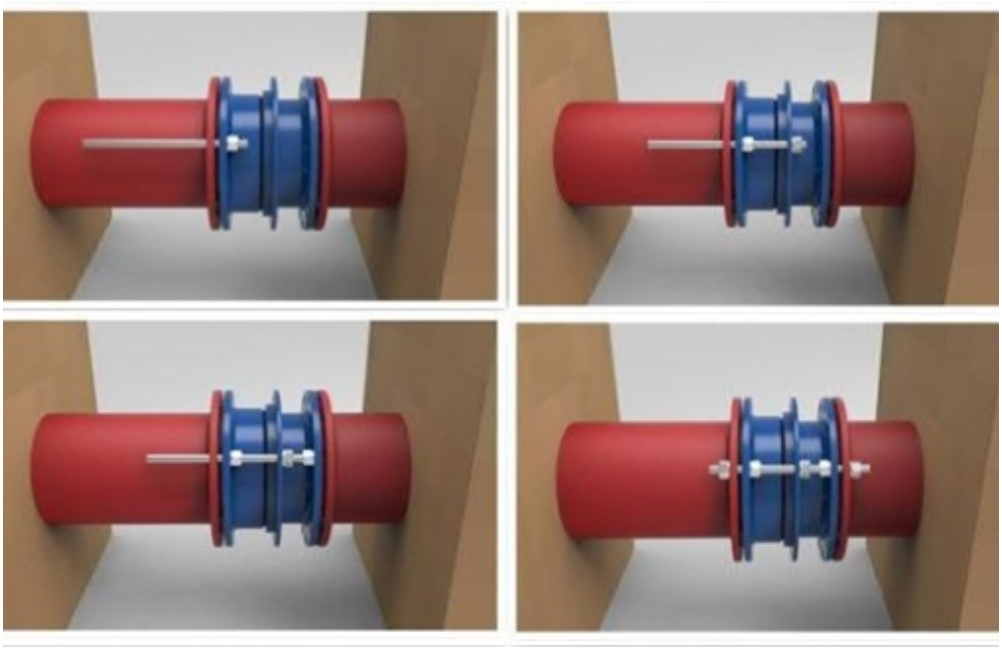
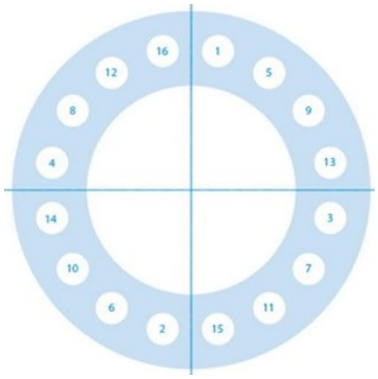
3. Install the studs, washers & nuts as shown below. It is normal to see the rubber sealing ring slightly extrude into the gap between the middle flange and the short flange body.



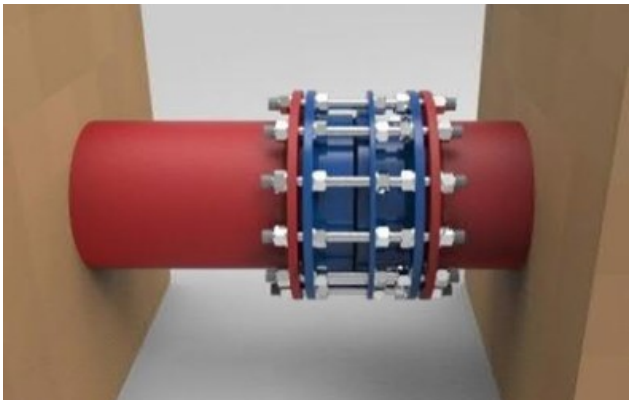
4. Connection Nuts between **Dismantling Joint** & **flanges** should then be tightened diametrically opposed (as shown). A minimum of 4 rounds of tightening; Tighten nuts to 30%, 60%, 100% of torque then a final pass of 100% in a clockwise direction.



NOTE: Anti-galling compound shall be used on all stainless threads.

5. Middle Sealing Nuts should then be tightened diametrically opposed (as shown). A minimum of 4 rounds of tightening; Tighten nuts to 30%, 60%, 100% of torque then a final pass of 100% in a clockwise direction.

6. Installation Complete



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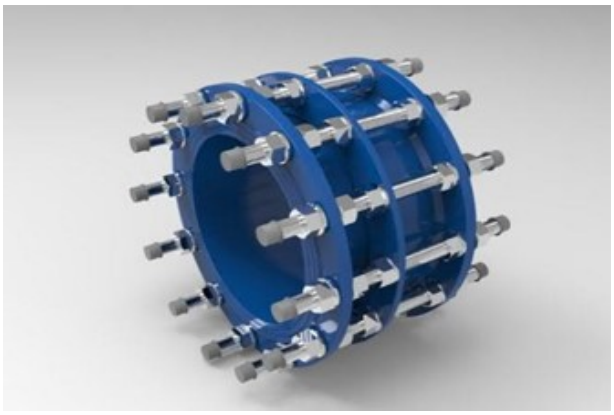

RECOMMENDED TORQUE VALUES

Size	Stud	Qty.	Connection Nuts (N.M)	Middle Flange Sealing Torque (3) (N.M)
DN80	M16	4	100	100
DN100	M16	4	100	100
DN150	M16	8	100	80
DN200	M16	8	100	80
DN225	M16	8	100	80
DN250	M20	8	180	150
DN300	M20	12	180	150
DN350	M24	12	320	210
DN375	M24	12	320	210
DN400	M24	12	320	210
DN450	M24	12	320	240
DN500	M24	16	320	240
DN600	M27	16	440	280
DN700	M27	20	440	280
DN750	M30	20	620	350
DN800	M33	20	735	350
DN900	M33	24	735	350
DN1000	M33	24	735	370
DN1200	M33	32	735	400
DN1400	M33	36	800	
DN1800	M39	44	1150	

APPLICATION

The dismantling joint is designed for installation in pipelines with media temperature up to +70°C. It is not permissible to use the joint with oil or gas media; it can be used for water, raw and cooling water (with appropriate corrosion protection). It is recommended to only use media without risk of clogging.

The dismantling joints are rigid and transmit the full axial thrust of the pipeline as a rigid pipe connection. Changing the length or the angle is not possible during operation. When the dismantling joints flanged spigots has been assembled, the axis can be adjusted by L= 50mm and an angular adjustment by +/-1.5 degrees from its central position.

For any deviating operating conditions and applications, Hiwa's written approval must be obtained.

MAINTENANCE

If assembled properly, dismantling joints do not require particular maintenance.

This does not include the corrosion protection cover whose wear and tear depends on the exterior and interior stress it is exposed to.

All the maintenance operations have to be undertaken after the emptying of pipeline to avoid every risk to the people during this operation.

STORAGE

The elastomeric parts (seals) must be protected against direct sunlight and/or UV light as otherwise their long-term sealing cannot be guaranteed.

Store the joint in a dry and well aerated place and avoid direct heat.

The joint can be stored in ambient temperatures from -10°C to +50°C. If the joint is stored at temperatures below 0°C, it should be warmed up to at least +5°C before installation and before it is put into operation.

HANDLING & RECYCLING

At the end of the products life, they have to be removed/replaced so they must be disassembled and each component separated and sorted according to materials; Metals, Rubber components, Greases & Oils

General:

- During disassembly phase, carefully collect greases and oils; these substances are hazardous to water and must not be released into the environment to avoid the pollution.
- Arrange for controlled waste disposal or for separate recycling according to materials.
- Observe the regional regulations for waste disposal/recycling.