

HI-DR JOINT

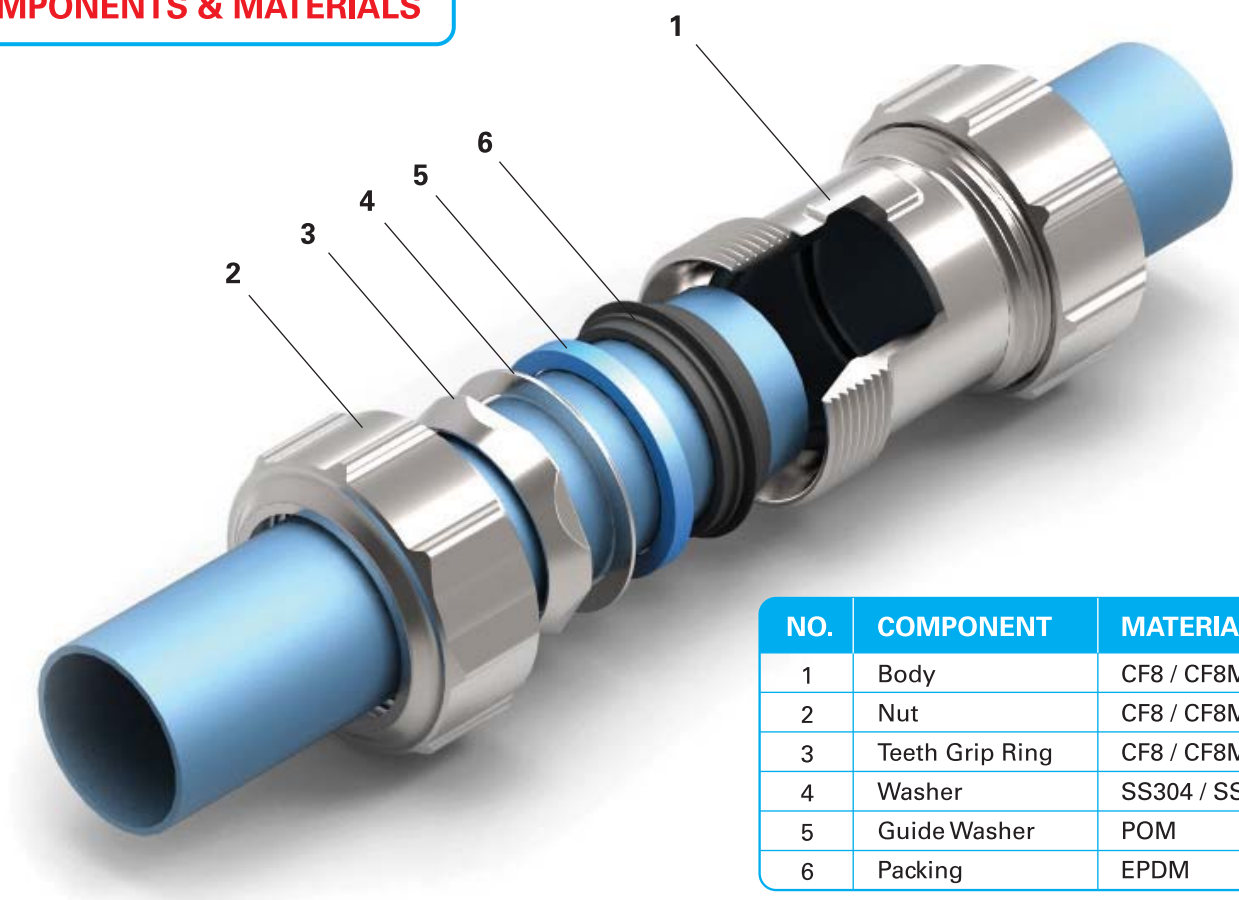


HI-DR JOINT – SMALL DIAMETERS (DN13 ~ DN60)

APPLICATION

- Stainless steel pipe, PVC pipe, HDPE pipe
- Hot and cold water pipeline for industries, Waterworks, Plumbing for buildings, Fire water lines
- Temperature Range : -20°C ~ 80°C
- Norminal Pressure : PN25
- Custom made available (size, material, standard, industries and etc.)

COMPONENTS & MATERIALS



NO.	COMPONENT	MATERIAL
1	Body	CF8 / CF8M
2	Nut	CF8 / CF8M
3	Teeth Grip Ring	CF8 / CF8M
4	Washer	SS304 / SS316
5	Guide Washer	POM
6	Packing	EPDM

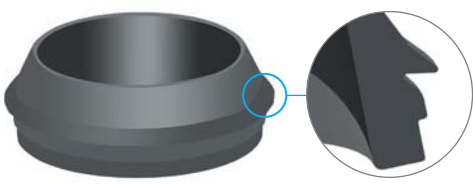
EXCLUSIVE COMPONENTS



Teeth Grip Ring









Guide Washer




Packing

PRODUCT TYPES & SIZES

TYPE			
	SOCKET	TEE	ELBOW
SIZE	DN13, DN16, DN20, DN25, DN30, DN35, DN40, DN50, DN60		

TYPE			
	END CAP	NIPPLE A	CONNECTING SOCKET
SIZE	DN13, DN16, DN20, DN25, DN30, DN35, DN40, DN50, DN60		DN13 x 13, DN16 x 13, DN20 x 20, DN30 x 25, DN35 x 30, DN40 x 40, DN50 x 50

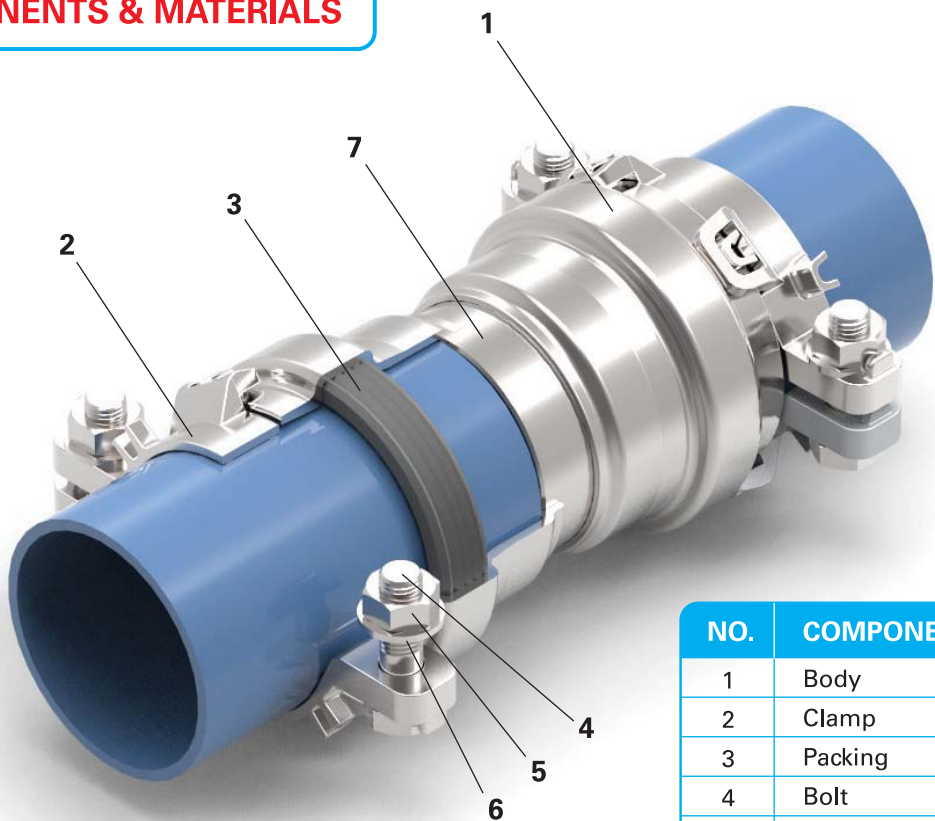
TYPE				
	SADDLE SOCKET	VALVE SOCKET	REDUCING SOCKET	REDUCING TEE
SIZE	DN13 x 1/2", DN13 x 3/4", DN16 x 1/2", DN16 x 3/4", DN16 x 1", DN20 x 3/4", DN20 x 1", DN20 x 1 1/4", DN30 x 1 1/4", DN30 x 1 1/2", DN35 x 1 1/4", DN35 x 1 1/2", DN40 x 2", DN50 x 2 1/2"		DN16 x 13, DN20 x 13, DN20 x 16, DN30 x 13, DN30 x 16, DN30 x 20, DN30 x 25, DN35 x 13, DN35 x 16, DN35 x 20, DN35 x 25, DN35 x 30, DN40 x 13, DN40 x 16, DN40 x 20, DN40 x 25, DN40 x 30, DN40 x 35, DN50 x 13, DN50 x 16, DN50 x 20, DN50 x 25, DN50 x 30, DN50 x 35, DN50 x 40	

HI-DR JOINT – LARGE DIAMETERS (DN65 ~ DN300)

APPLICATION

- Stainless steel pipe, PVC pipe, HDPE pipe
- Hot and cold water pipeline for industries, Waterworks, Plumbing for buildings, Fire water lines
- Temperature Range : -20°C ~ 80°C
- Norminal Pressure : PN20
- Custom made available (size, material, standard, industries and etc.)

COMPONENTS & MATERIALS



NO.	COMPONENT	MATERIAL
1	Body	CF8 / CF8M
2	Clamp	CF8 / CF8M
3	Packing	EPDM
4	Bolt	SS304 / SS316
5	Nut	SS304 / SS316
6	Washer	SS304 / SS316
7	Connecting Band	SS304 / SS316

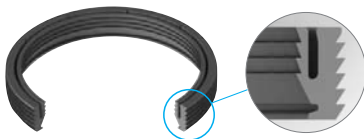
EXCLUSIVE COMPONENTS



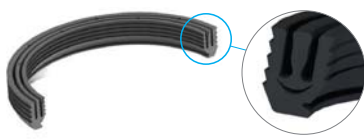
Medium Size Clamp



Large Size Clamp






Medium Size Packing





Large Size Packing

PRODUCT TYPES & SIZES

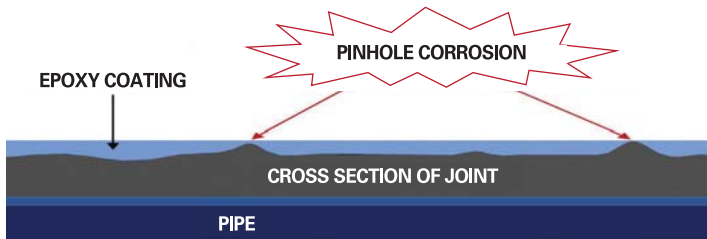
TYPE			
	SOCKET	TEE	ELBOW
SIZE	DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300		

TYPE		
	REDUCING SOCKET	REDUCING TEE
SIZE	DN80 x 65, DN100 x 65, DN100 x 80, DN125 x 65, DN125 x 80, DN125 x 100, DN150 x 65, DN150 x 80, DN150 x 100, DN150 x 125, DN200 x 65, DN200 x 80, DN200 x 100, DN200 x 125, DN200 x 150, DN250 x 65, DN250 x 80, DN250 x 100, DN250 x 125, DN250 x 150, DN250 x 200, DN300 x 65, DN300 x 80, DN300 x 100, DN300 x 125, DN300 x 150, DN300 x 200, DN300 x 250	

TYPE		
	TEE FLANGE	SOCKET FLANGE
SIZE	DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300	

FEATURES

STAINLESS STEEL – THE MOST SAFE AND HYGIENIC MATERIAL TO KEEP FLUID CLEAN



Made of stainless steel, makes you free from Pinhole corrosion due to breaking away of epoxy coatings from the poorly coated surfaces.

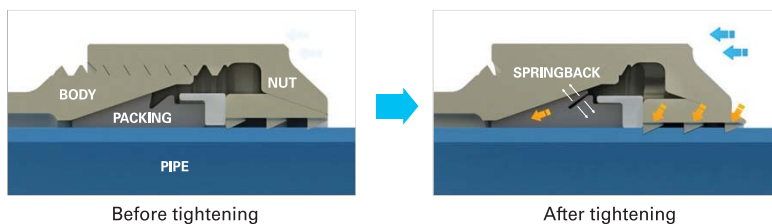
TWO TIMES STRONGER GRIP-RINGS AND CLAMPS

Materials	Aluminum	Stainless steel
Tensile Strength	About 250MPa	About 500MPa

The Stainless steel has higher corrosion resistant and two times stronger tensile strength than aluminum material.

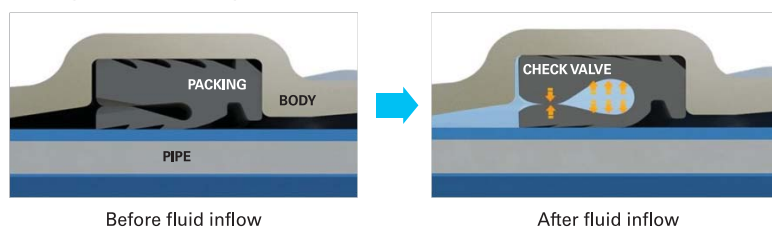
DOUBLE SEALING STRUCTURE BY THE PRINCIPLES OF SPRINGBACK AND CHECK VALVE

Sealing structure of small diameters (13 ~ 60)



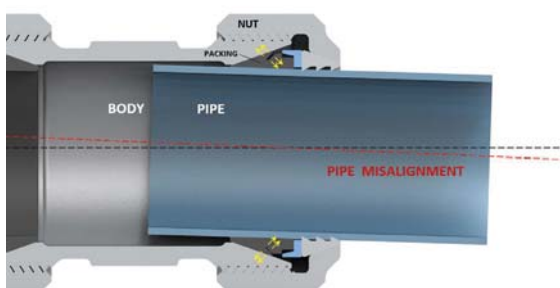
Perfect leakage protection under condition of ground subsidence or any external forces by double leakage block design of rubber packings

Sealing structure of large diameters (65 ~ 300)



Fluid flows in rubber packing makes leakage prevention stronger even in the condition of low or high Pressure

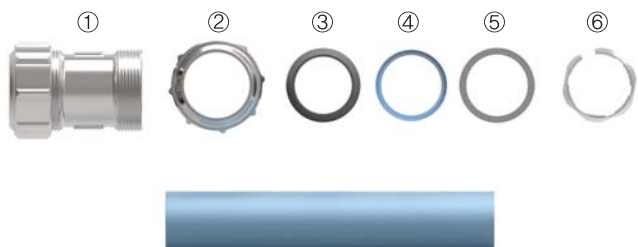
MOVEABLE EXPANSION JOINT WITHOUT LEAKAGE AND PIPE BREAKAWAY



Specially designed rubber packing perfectly prevents leakage of fluid and unique teeth-grip ring prevents pipe breakaway under condition of ground subsidence, high pressure or any external force

Joint is simply connected to pipe with low torque without welding and heavy tools

INSTALLATION GUIDE



1. Check the components

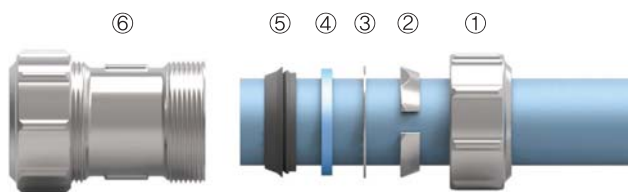
Check the each component as shown in the picture.

- ① Body, ② Nut, ③ Packing, ④ Guide Washer, ⑤ Washer, ⑥ Teeth-Grip Ring



2. Use the clean and good condition pipe

Make sure that there should be no burr on the end of pipe and do not use buckled pipe.



3. Position of the components on the pipe

Assemble the components on the pipe in the order named as below.

- ① Nut – ② Teeth-Grip Ring – ③ Washer – ④ Guide Washer – ⑤ Packing – ⑥ Body



4. Insertion & Pre-assembling

Insert the pipe into the Body according to the standard insertion depth and tighten the Nut by hands.



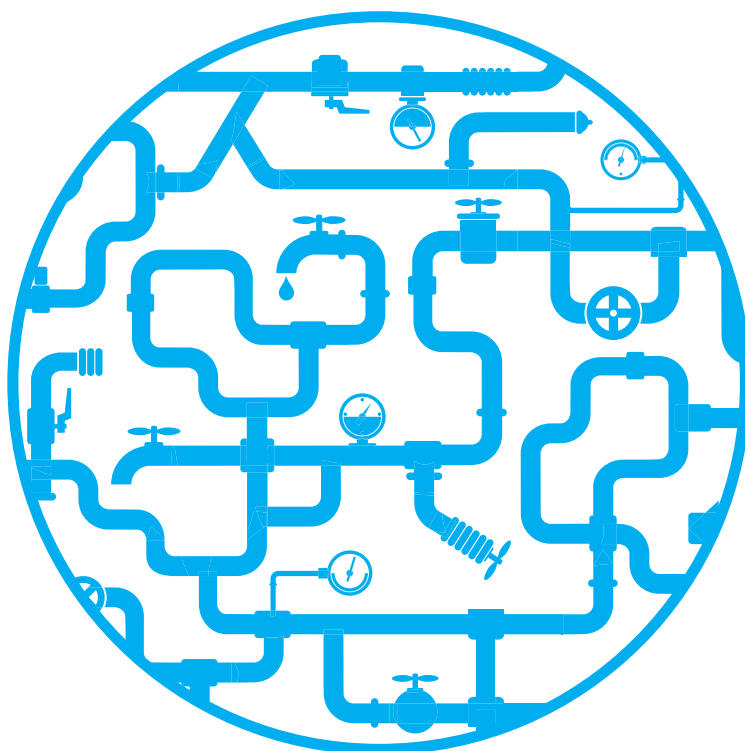
5. Complete installation

Fully tighten the Nut with tools and complete installation.

Standard Insertion Depth

Size	DN16	DN20	DN30	DN35	DN40	DN50
Depth (L)	10mm	12mm	15mm	15mm	15mm	17mm





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- Technical information can be revised without any notification. Please check again before use.