

III. Standard Swivel Joints for Loading Arms

Swivel Joint Type LA

Design / Dimensions:

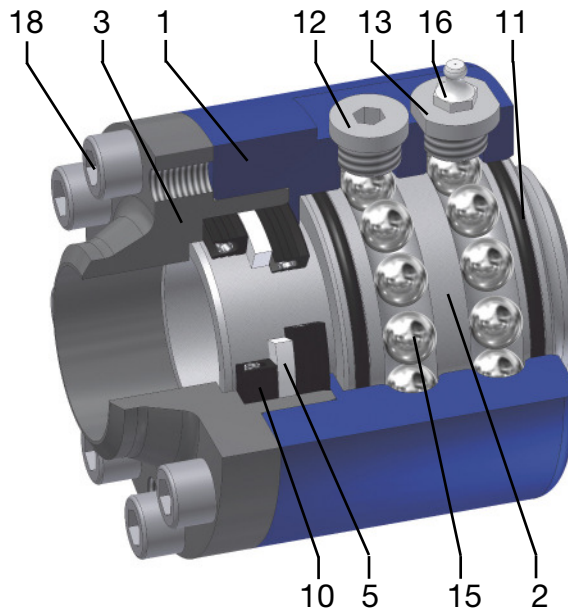
- Welding connections
- Three-parts body
- Radial gasket
- Doubled safety sealing
- Style 10 to 31
- DN25 to DN150 (others on request)
- Working pressure: PN40bar
- Working temp.: -60°C to 250°C

Materials:

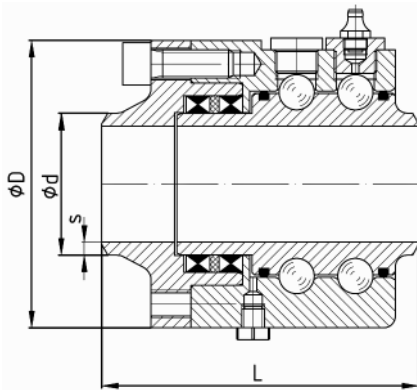
- Standard: 26CrMo4, 1.4571
- Stainless steel, carbon steel, low temperature steel
- Gasket material: NBR, Viton, PTFE, HPU

Certification:

- Technical instructions on air quality control (TA-Luft)



Item	Description
1	Outer Part
2	Inner Part
3	Flange
5	Back Up Ring
10	Gasket
11	Dust Seal
12	Plug
13	Plug
15	Ball
16	Grease Nipple
18	Allen Screw
19	Plastic Plug



DN	L	D	d	s	kg
25	120	Ø92	Ø33,7	3,85	4,1
32	120	Ø102	Ø42,4	5,0	5
40	120	Ø102	Ø48,3	5,6	4,8
50	135	Ø122	Ø60,3	5,6	7,6
65	135	Ø136	Ø76,1	5,6	9,2
80	140	Ø158	Ø88,9	5,6	12,4
100	140	Ø188	Ø114,3	5,6	15,9
125	155	Ø218	Ø139,7	5,6	22,6
150	155	Ø248	Ø168,3	7,1	28,8
200	195	Ø338	Ø219,1	7,1	69,5
250	195	Ø393	Ø273	7,1	80

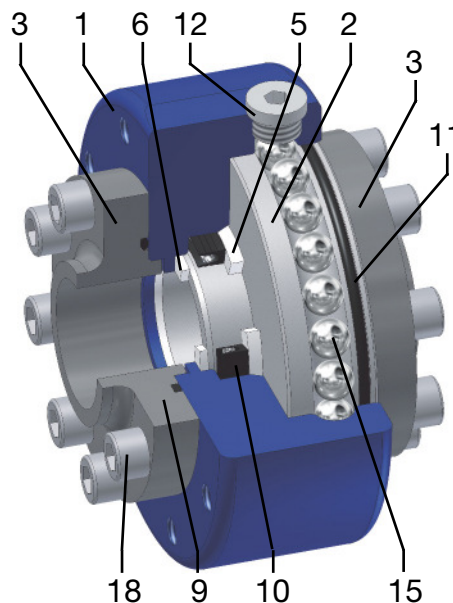
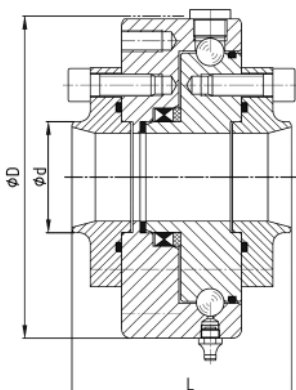
Swivel Joint Type LCF

Design / Dimensions:

- Center flange
- Tight dimensions
- DN40 to DN150
- Radial gasket
- Higher performance by bigger radius of ball race

Materials:

- Standard: 26CrMo4, 42CrMo4, 1.4571
- Gasket material: NBR, Viton, PTFE, HPU



Item	Description
1	Outer Part
2	Inner Part
3	Flange
5	Back Up Ring
6	Internal Wiper
9	O-Ring
10	Gasket
11	Dust Seal
12	Plug
15	Ball
16	Grease Nipple
18	Allen Screw

DN	L	D	d	kg
40	105	Ø153	Ø48,3	9,0
50	119	Ø175	Ø60,3	13,3
80	137	Ø228	Ø88,9	26,0
100	137	Ø248	Ø114,3	27,0
150	150	Ø368	Ø168,3	66,8

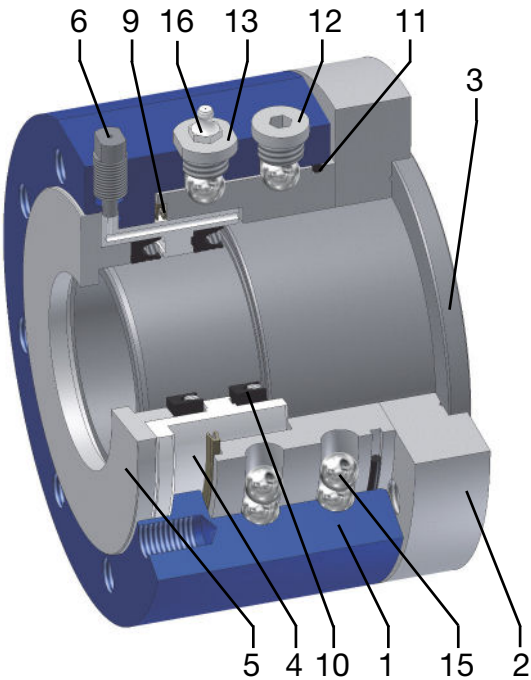
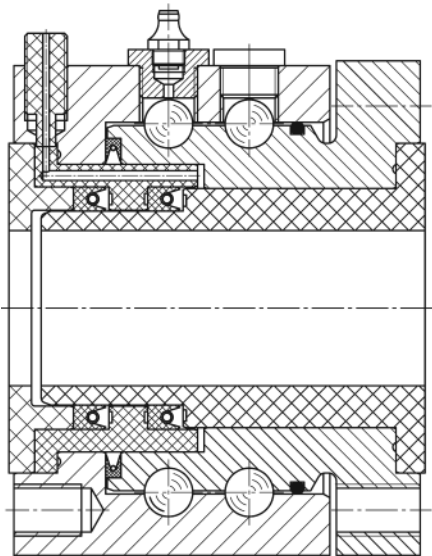
Swivel Joint Type HCR

Design / Dimensions:

- Flanged connection
- Entirely PTFE
- Doubled safety sealing
- Radial gasket
- DN25 to DN250
- (others on request)
- PN10
- Tmax 250°C

Material:

- Standard: 26CrMo4, 1.4571
- Stainless steel, carbon steel, low temperature steel
- Gasket material: PTFE



Item	Description
1	Outer Part
2	Inner Part
3	Bush I
4	Bush II
5	Bush III
6	Leckageplug
9	Secondary Seal
10	Gasket
11	Dust Seal
12	Plug
13	Plug
15	Ball
16	Grease Nipple

Our Swivel Joint for high corrosive Fluids

HCR Swivel Joints are suitable for the use with high corrosive fluids. Nominal diameters from DN25 to DN200 are available.

A system of 3 PTFE bushes shall avoid fluid contacting steel.
Doubled radial gaskets ensure additional safety.
Leakages are drained by a special design.

Maintenance / repair of HCR Swivel Joints can be done by changing bushes and gaskets.
There is no need for special knowledge. This work can be executed by company internal employees
under consideration of operation procedures for, and risks of working with hazardous chemicals!!