

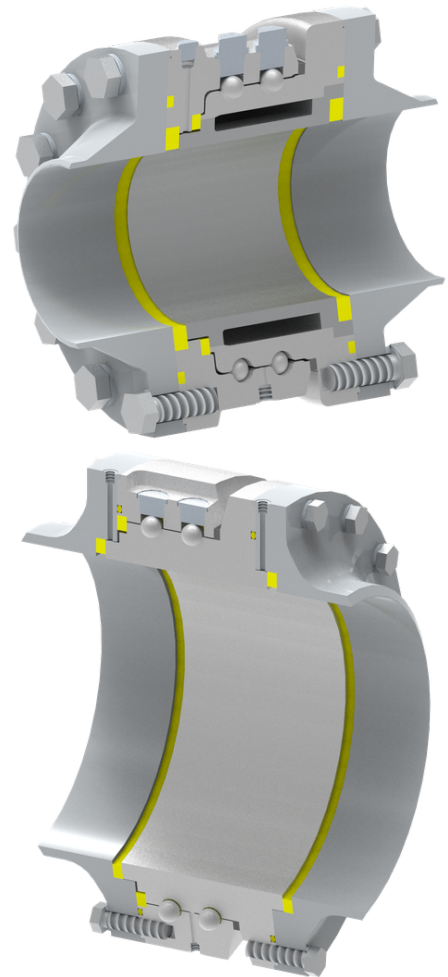
Cryogenic Swivel Joints

Standard Features:

Cryogenic Swivel Joints are engineered for the safe and efficient transfer of liquefied gases in extreme low temperature environments. Designed for demanding industrial and energy applications, it delivers smooth rotation under load, long-term sealing integrity, and reliable performance where safety and durability are critical.

Technical Specifications:

- **Media Compatibility:** Liquid Natural Gas (LNG), Liquid Oxygen (LOX), Liquid Nitrogen (LN₂), Liquid Argon (LAr), Liquid Hydrogen (LH₂ / H₂), and other cryogenic fluids
- **Design Pressure:** -0.5 to 25 bar
- **Design Temperature:** Down to < -255 °C (-427 °F / 18.15 K), depending on fluid
- **Nominal Sizes:** DN50 (2") to DN400 (16")
- **Material Construction:** Stainless steel (grade dependent on fluid)
- **Load Capacity:** Dual ball race arrangement for maximum operational load
- **Design Configuration:** 4 piece construction with identical flanges for rapid installation and simplified maintenance
- **Sealing System:** Double main seal with leakage control; high performance UHMW-PE (Ultra-High-Molecular-Weight Polyethylene) seals
- **Bearing Protection:** Ball races flushed with dry gas (fluid dependent)
- **Optional Features:** Special air barrier liner to reduce cooling time



Primary Dimensions:

Sizes			Schedule	EN ASME	Ø A (Outside Diameter)	Length	Weight
"	DN	Ø	MM	PN25 SCH STD	MM	MM	KG
2	50	60.3	2.9	3.91	165	210	22
3	80	88.9	3.2	5.49	206	250	35
4	100	114.3	3.6	6.02	235	260	42
6	150	168.3	4.5	7.11	315	300	89
8	200	216.1	6.3	8.18	360	300	120
10	250	273	7.1	9.27	418	300	145
12	300	323.9	8	9.53	469	300	165
14	350	355.6	8	9.53	528	300	210
16	400	406.4	8.8	9.53	579	300	240