Customized Swivel Joints

Type SO-W

Center Flange Swivel Joints
High Temperature Swivel Joints
Design According to Customers Requirements
Know how & consulting directly from manufacturer with decades of experience

That’s why you choose...

- **Radial gaskets**
  Allow a maximum of feasible sealing materials and longer lifetime compared to axial gaskets

- **DUPLEX, SUPERDUPLEX, HASTELLOY, ALUMINIUM…**
  We machine all compatible materials

- **ASME, NACE, NORSOK, DIN…**
  We manufacture according to all required guidelines and directives

- **Customized connections**

- **IGATEC Swivel Joints**
  Made of carbon steel (e.g. St52-3, ...) are nitrided to reach maximized hardness of surface and optimized corrosion protection at the same time

- **Certifications**
  TA-Luft
  VdS
  ISO 9001:2008

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Swivel Joint Type SO-W

Customized Swivel Joint for "Floating Suction Systems" inside Storage Tanks

**Dimensions:**
- Nominal diameter: DN25 / 1" up to DN400 / 16"
- Working pressure $P_{\text{max}}$: According to customers spec.
- Working temp. $T_{\text{min/max}}$: According to customers spec.
- Material: 1.4571 [other materials on request. E.g. Aluminium, Hastelloy, etc.]
- Gasket material: According to customers spec.
- Ball material: Stainless steel
- Connections: Flange (ANSI/DIN/special), customized
- Style: Special
- Application: Floating suction, skimmer, floating roof draining

* $P_{\text{max}}$ and $T_{\text{max}}$ may not occur at the same time

**Technical Features:**
- Design: Customized
- No. of ball races: 2-4
- Fluid: Diesel, Ethanol, LPG, Water
- Type of sealing: Radial
- External dust seal: Yes
- Secondary seal: No
- Body: Three-parts
- Connection for leakage control: No
- Without grease nipple: Yes
- Maximum speed: Depends on gasket material

**Further Advantages:**
- Torsionless by doubled suction orifice

**Special Design**

Complete to the standard range IGATEC is tailoring Swivel Joints according to customers’ requirements.

Technical solutions are drafted and realized in close cooperation with the customer.

3D-CAD-System Inventor enables IGATEC to design 3D-Prototypes of parts, to simulate movements and avoid collisions in front end of production.