High Temperature Swivel Joints

Design According to Customers Requirements

Center Flange Swivel Joints

High Temperature Swivel Joints

Customized Swivel Joints
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 Ball Joint**

**Dimensions:**
- **Nominal diameter**: DN50 / 2" up to DN500 / 20" [larger on request]
- **Working pressure** $P_{\text{max}}$: 16 bar / 232 psi *
- **Working temp.** $T_{\text{min/max}}$: up to 150°C / 302°F *
- **Swiveling angle**: +/- 15°
- **Material**: According to customers spec.
- **Gasket material**: According to customers spec.
- **Ball material**: Stainless steel
- **Connections**: According to customers spec.
- **Style**: 10, 11, 12, 20, 21, 22, 30, 31
- **Application**: Universal

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

**Technical Features:**
- **Design**: Customized
- **No. of ball races**: No
- **Fluid**: According to customers spec.
- **Type of sealing**: Radial
- **External dust seal**: No
- **Secondary seal**: No
- **Body**: Three-parts
- **Connection for leakage control**: No
- **Without grease nipple**: Yes
- **Maximum speed**: Depends on sealing material

**Further Advantages:**
- Multidimensional swiveling

**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.