High Temperature Swivel Joints

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 CF

**Center Flange Swivel Joint**

### Dimensions:

<table>
<thead>
<tr>
<th>Nominal diameter</th>
<th>DN25 / 1&quot; up to DN1000 / 28&quot; [larger on request]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working pressure $P_{\text{max}}$</td>
<td>Up to 420 bar / 6,000 psi *</td>
</tr>
<tr>
<td>Working temp. $T_{\text{min/max}}$</td>
<td>-55°C up to 250°C / -67°F up to 482°F *</td>
</tr>
<tr>
<td>Material</td>
<td>According to customers spec.</td>
</tr>
<tr>
<td>Gasket material</td>
<td>NBR, Viton, PTFE, HPU</td>
</tr>
<tr>
<td>Ball material</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Connections</td>
<td>Flange according to customers spec.</td>
</tr>
<tr>
<td>Style</td>
<td>10</td>
</tr>
<tr>
<td>Application</td>
<td>Universal</td>
</tr>
</tbody>
</table>

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

### Technical Features:

- **Design**: Customized
- **No. of ball races**: 2
- **Fluid**: According to customers spec.
- **Type of sealing**: Radial
- **External dust seal**: Yes
- **Secondary seal**: No
- **Body**: Two-parts
- **Connection for leakage control**: On request
- **Without grease nipple**: On request (e.g. floating suction systems)
- **Maximum speed**: Depends on gasket material

### Further Advantages:

- Perfect concentric run-out, easy handling

### Pos. Description

<table>
<thead>
<tr>
<th>1</th>
<th>Outer part</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Inner part</td>
</tr>
<tr>
<td>5</td>
<td>Back up ring</td>
</tr>
<tr>
<td>6</td>
<td>Internal wiper</td>
</tr>
<tr>
<td>10</td>
<td>Gasket</td>
</tr>
<tr>
<td>11</td>
<td>Dust steal</td>
</tr>
<tr>
<td>12</td>
<td>Plug</td>
</tr>
<tr>
<td>13</td>
<td>Plug</td>
</tr>
<tr>
<td>15</td>
<td>Ball</td>
</tr>
<tr>
<td>16</td>
<td>Grease nipple</td>
</tr>
</tbody>
</table>

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