Type LF

Standard Swivel Joints

with Welding Connection

with Threaded Connection

for Loading Arms

for Food and Pharmaceuticals
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 LF
for Food and Pharmaceuticals (FDA conform)

**Dimensions:**
- Nominal diameter: DN25 / 1" up to DN200 / 8"
- Working pressure $P_{\text{max}}$: 10 bar / 145 psi *
- Working temp. $T_{\text{min/max}}$: -55°C up to 250°C / -67°F up to 482°F *
- Material: 1.4571
- Gasket material: FDA conform
- Ball material: Stainless steel
- Connection: Welding
- Style: 10, 11, 12, 20, 21, 22, 30, 31
- Application: Food and pharmaceuticals

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

**Technical Features:**
- Design: Standard
- No. of ball races: 1
- Fluid: Vegetable oil, ketchup,…
- Type of sealing: Axial to minimize "dead space"
- External dust seal: Yes
- Secondary seal: Yes
- Body: Two-parts
- Connection for leakage control: Yes
- Without grease nipple: On request (e.g. floating suction systems)
- Maximum speed: Depends on gasket material

**Further Advantages:**
- Perfect concentric run-out, easy handling

**Dimensions and Weights:**

<table>
<thead>
<tr>
<th>DN</th>
<th>25</th>
<th>32</th>
<th>40</th>
<th>50</th>
<th>65</th>
<th>80</th>
<th>100</th>
<th>125</th>
<th>150</th>
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<td>71</td>
<td>71</td>
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<td>1.5</td>
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<td>1.5</td>
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<td>4.6</td>
<td>6.1</td>
<td>7.0</td>
<td>8.8</td>
<td>10.3</td>
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**Pos. Description**
- 1 Outer part
- 2 Inner part
- 10 Gasket
- 11 Dust seal
- 12 Plug
- 15 Ball
- 16 Grease nipple
- 17 Plastic plug
### Ordering System:

<table>
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<tr>
<th>Type</th>
<th>Connections right / left</th>
<th>Style</th>
<th>Nominal diameter</th>
<th>Material</th>
<th>Working pressure</th>
<th>Miscellaneous</th>
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<tr>
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<td>__ = Welding</td>
<td>10</td>
<td>1&quot; up to 8&quot;</td>
<td>1.4571</td>
<td>up to 145 psi</td>
<td>DIN</td>
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<tr>
<td>LW</td>
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<td>11</td>
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<td>22</td>
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<td></td>
<td>higher pressure</td>
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</table>

### Additional Information:

- **Media / fluid**: (gasoline, sulfuric acid, milk, LPG...)
- **Working temperature**:
- **Working space situation**: (dimensions, temperature of environment, etc...)
- **Type of movement**: (swiveling / angle?, rotation / rpm?...)
- **Side load**:
- **Miscellaneous requirements**: 

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