Type LFP

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 LFP
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: No
- Body: Two-parts
- Connection for leakage control: No
- 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 Weight:**

<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>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>L  [mm]</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>64</td>
<td>64</td>
<td>64</td>
<td>64</td>
<td>68</td>
<td>68</td>
<td>73</td>
</tr>
<tr>
<td>$\Theta / D$ [mm]</td>
<td>87</td>
<td>97</td>
<td>97</td>
<td>117</td>
<td>132</td>
<td>152</td>
<td>172</td>
<td>197</td>
<td>223</td>
<td>291</td>
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<tr>
<td>$\Theta / d$ [mm]</td>
<td>28</td>
<td>35</td>
<td>40</td>
<td>52</td>
<td>70</td>
<td>85</td>
<td>104</td>
<td>129</td>
<td>154</td>
<td>204</td>
</tr>
<tr>
<td>S  [mm]</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
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</tr>
<tr>
<td>Weight [kg]</td>
<td>1.6</td>
<td>1.9</td>
<td>1.8</td>
<td>2.9</td>
<td>3.3</td>
<td>4.2</td>
<td>5.0</td>
<td>6.5</td>
<td>7.6</td>
<td>13.7</td>
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**Pos. Description**

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<tr>
<th>Pos.</th>
<th>Description</th>
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<tr>
<td>1</td>
<td>Outer part</td>
</tr>
<tr>
<td>2</td>
<td>Inner part</td>
</tr>
<tr>
<td>10</td>
<td>Gasket</td>
</tr>
<tr>
<td>11</td>
<td>Dust seal</td>
</tr>
<tr>
<td>12</td>
<td>Plug</td>
</tr>
<tr>
<td>15</td>
<td>Ball</td>
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## 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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<tbody>
<tr>
<td>W</td>
<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>
<td></td>
<td>11</td>
<td></td>
<td></td>
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<td>ANSI</td>
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<td>T</td>
<td></td>
<td>12</td>
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<td>SAE</td>
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<tr>
<td>LT</td>
<td></td>
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<td>...</td>
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<tr>
<td>V</td>
<td></td>
<td>20</td>
<td></td>
<td></td>
<td>(for applications</td>
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<tr>
<td>LA</td>
<td></td>
<td>21</td>
<td></td>
<td></td>
<td>with higher</td>
<td></td>
</tr>
<tr>
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<td>22</td>
<td></td>
<td></td>
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<td></td>
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<td>F</td>
<td></td>
<td>30</td>
<td></td>
<td></td>
<td>on request</td>
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</tbody>
</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:**