**SWIVEL JOINTS**

Large Bore 8” To 30”.

1. ANSI Flanges as standard. Available with most flanges or end fittings.
2. Standard dust seal.
3. Two roller races for high radial and bending loads.
4. Full compliment ball race for high axial/pressure loads.
5. Grease nipple for lubrication and purging of old grease (through dust seal).
6. PTFE main seal as standard.
7. Clear full flow bore at nominal pipe size for minimal pressure/flow loss.

**ALSO AVAILABLE:-**
- Sealed for life/submerged duty.
- Negative pressure or vacuum duty.
- High temperature operation (200 Deg C/400Deg F)
- Stainless steel units.
- Other metals on application.
- Leak detect port.
- Additional ball/roller races for high loads or pressure.
- Pressure test to 1.5 X working pressure
- DNV-OS-E101/ABS-CDS Compliant

**Nominal Size**

<table>
<thead>
<tr>
<th>Bore (Schedule XS)</th>
<th>OD of Body, Allow additional 24mm for clearance of grease nipples and plugs.</th>
<th>ANSI 150 Flange OD. (Max Pressure 20 Bar.)</th>
<th>Max Radial Load</th>
<th>Max Axial Load Per Ball Race*</th>
<th>Max Bending Load</th>
<th>Max Static Test Pressure per race*</th>
<th>Max Pressure per race* Slow rotating</th>
<th>SK1 #150 Flanged Weight.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8”</td>
<td></td>
<td></td>
<td>kN</td>
<td>kN</td>
<td>kN</td>
<td>Bar (PSI)</td>
<td>Bar (PSI)</td>
<td>Kg</td>
</tr>
<tr>
<td>10”</td>
<td></td>
<td></td>
<td>77</td>
<td>103</td>
<td>4</td>
<td>42 (611)</td>
<td>24 (349)</td>
<td>85</td>
</tr>
<tr>
<td>12”</td>
<td></td>
<td></td>
<td>97</td>
<td>126</td>
<td>5</td>
<td>34 (490)</td>
<td>19 (280)</td>
<td>112</td>
</tr>
<tr>
<td>14”</td>
<td></td>
<td></td>
<td>115</td>
<td>145</td>
<td>6</td>
<td>28 (407)</td>
<td>16 (233)</td>
<td>146</td>
</tr>
<tr>
<td>16”</td>
<td></td>
<td></td>
<td>126</td>
<td>158</td>
<td>7</td>
<td>26 (370)</td>
<td>15 (212)</td>
<td>177</td>
</tr>
<tr>
<td>18”</td>
<td></td>
<td></td>
<td>144</td>
<td>178</td>
<td>8</td>
<td>22 (326)</td>
<td>13 (186)</td>
<td>212</td>
</tr>
<tr>
<td>20”</td>
<td></td>
<td></td>
<td>162</td>
<td>199</td>
<td>9</td>
<td>20 (289)</td>
<td>11 (165)</td>
<td>235</td>
</tr>
<tr>
<td>24”</td>
<td></td>
<td></td>
<td>180</td>
<td>219</td>
<td>10</td>
<td>18 (259)</td>
<td>10 (148)</td>
<td>278</td>
</tr>
<tr>
<td>30”</td>
<td></td>
<td></td>
<td>216</td>
<td>259</td>
<td>12</td>
<td>15 (215)</td>
<td>8 (123)</td>
<td>358</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>270</td>
<td>322</td>
<td>15</td>
<td>12 (173)</td>
<td>7 (99)</td>
<td>450</td>
</tr>
</tbody>
</table>

*Standard swivel body has one ball race and can accommodate up to three races. To find axial load and pressures multiply the value from the table by the number of races. For higher loads please enquire for a special design. Please consult Rotaflow with actual load details as combined loads (including pressure) require special consideration.

**Please note the stated maximum loads can not be combined.**

Rotaflow provide a refurbishing service with speedy turnaround of joints.

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