WL2PA
Outboard & Apex Aluminum Split Flange Swivel Joints

Part of the WOODFIELD APILOAD product range

Style – 40

Style – 30 w/ Handle

Designed and manufactured by Woodfield Systems
Models & Specs

Woodfield WL2PA swivel Joints are designed specifically for the petroleum and fuel loading industry. Cast aluminum construction for light weight, with dual ball races for strong and smooth operation. The split flange design has been developed with maintenance and a long service life as a top priority. The H-Block O-ring main seal is field replaceable. To access the seal simply unbolt the split flange.

Sizes & Configurations

<table>
<thead>
<tr>
<th>SWIVEL SIZE</th>
<th>A (inch)</th>
<th>B (inch)</th>
<th>C (inch)</th>
<th>D (inch)</th>
<th>E (inch)</th>
<th>F (inch)</th>
<th>Weight Without Handle (lbs)</th>
<th>Handle Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 in.</td>
<td>4.33</td>
<td>10.08</td>
<td>14.17</td>
<td>11.46</td>
<td>12.05</td>
<td>13.39</td>
<td>14.11</td>
<td>13.23</td>
</tr>
<tr>
<td>4 in.</td>
<td>5.32</td>
<td>10.47</td>
<td>14.76</td>
<td>12.84</td>
<td>13.54</td>
<td>15.39</td>
<td>17.64</td>
<td>17.64</td>
</tr>
</tbody>
</table>
Standard seal options are Viton GFLT, Viton B and Nitrile, (consult Woodfield for more seal options). Styles - 30, 40, 50, and 70 WL2PA swivels are standard with Woodfield APILoad Loading Arms. These can also be retrofit to most existing terminal loading arms.

The WL2PA utilizes Woodfield’s Uni-Seal technology by featuring the same seals as all the other swivel joints in a Woodfield loading arm, making arm servicing smarter as well as simpler. Contact Woodfield today to lean more.

**Features**
- Universal seal for all swivel joints of the same size
- Split flange design for simple & quick seal maintenance
- 3 year no touch warranty
- Cast TTMA flanged connections
- Dual ball race for strong longevity
- Ergonomic replaceable handles

**Technical Details**

<table>
<thead>
<tr>
<th>Type / Model</th>
<th>WL2PA 3” &amp; 4” Style-30, 40, 50 &amp; 70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sizes available</td>
<td>3in and 4in</td>
</tr>
<tr>
<td>Material of construction</td>
<td>Aluminum (Cast) – A356 T6</td>
</tr>
<tr>
<td>Seals</td>
<td>Viton GFLT, Viton-B, Nitrile/Buna, (other materials on request)</td>
</tr>
<tr>
<td>Test Pressure</td>
<td>15 bar</td>
</tr>
<tr>
<td>Working Pressure (Max.)</td>
<td>10 bar</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>Viton GFLT: -40°C (-40°F) to 100°C (212°F)</td>
</tr>
<tr>
<td></td>
<td>Viton-B : -15°C (5°F) to 90°C (194°F)</td>
</tr>
<tr>
<td></td>
<td>Nitrile / Buna: -30°C (-22°F) to 100°C (212°F)</td>
</tr>
<tr>
<td>End connection</td>
<td>TTMA flange</td>
</tr>
<tr>
<td>Applications</td>
<td>Petroleum, Hydrocarbons</td>
</tr>
</tbody>
</table>
Woodfield APILOAD Product Range

The Woodfield APILOAD product range consists of a complete array of Woodfield bottom loading arm products. All manufactured by Woodfield to the highest standard and designed to compliment each other during their operation and to simplify service and maintenance when it is required.

**Bottom Loading Arms**
- Single spot or up to 7 arm cross over within the API envelope
- Compression Spring balanced or Gas Strut

**Couplers**
- WV400 API Coupler, 4 lug, snap-on, stainless steel sleeve, standard Viton GFLT seals

**Swivel Joints**
- WSS single race or WL2+ Dual race heavy duty swivel joints
- WL2PA Aluminum split flange apex and outboard swivel joints
- TIMA Flanged

**Emergency breakaway coupling**
- WBAC 4” API Breakaway Device, Aluminum, TTMA

**Hoses**
- HD Drop Hoses, SS braided or composite construction

---

**Woodfield Systems USA Inc**  
200 Business Park Boulevard, Columbia, South Carolina 29203. USA.  
US/Canada Toll Free :+1 888 915 6266  
International :+1 803 399 7597  
Email: sales.usa@woodfieldsystems.com

**Woodfield Systems International**  
302-A, Nitco Biz Park, Wagle Estate, Thane (W) - 400604. Maharashtra, India.  
Phone: +91-22-6704 0000  
Fax: +91-22-6704 0099  
Email: sales@woodfieldsystems.com

**Woodfield Systems Europe SL**  
Avda, San Francisco Javier, 9  
Off. 1129, 41018  
Sevilla, Spain  
Phone: +34 955 300 424  
Email: sales.es@woodfieldsystems.com