This type of loading arm is especially designed to load LNG products. It is suitable for the bottom loading / unloading of road or rail tankers. The loading arm has a long reach and is suitable for applications where tanker connection flange cannot be accurately positioned.

Because of the robust and high quality design of the swivel joints and the precise loading arm balancing handling of the loading arm is very convenient.

The design of the stainless steel swivel joints are based on the reliable design of the D2000 and are also equipped with an interchangeable bearing module. The primary and the secondary product seal enable the operator to monitor the leakage during the whole operating time of the loading arm. In addition to that the ball raceway can be purged with dry gas and the swivel joints are designed to meet the requirements of the OCIMF.
**LNG LOADING ARM**

1 = Inlet flange (site connection)  
2 = Plummer block  
3 = “F”-Arm  
4 = Swivel joint with anchor  
5 = “A”-Arm  
6 = Counterweight (spring cylinder possible on request)  
7 = Connecting flange (tanker site)  
8 = Standpost  
9 = Purge line

**DIMENSIONS**

<table>
<thead>
<tr>
<th>DN</th>
<th>A*</th>
<th>B*</th>
<th>D</th>
<th>F*</th>
<th>L</th>
<th>Q DIN PN 16</th>
<th>Q ANSI 150 lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>1400</td>
<td>700</td>
<td>333</td>
<td>1300</td>
<td>333</td>
<td>269</td>
<td>288</td>
</tr>
<tr>
<td>100</td>
<td>1400</td>
<td>700</td>
<td>411</td>
<td>1300</td>
<td>411</td>
<td>311</td>
<td>335</td>
</tr>
</tbody>
</table>

*Standard dimensions – Alternative dimensions available on request.*

**MATERIALS AND TECHNICAL DATA**

- Materials of product carrying parts and swivel joints: Stainless steel
- Materials of seals: Fluroloy-G
- Balancing method: Counter weights / spring cylinder
- Sizes: DN 80, DN 100
- Design pressure: max. 20 bar
- Design temperature: -170 °C to + 80 °C

To be equipped with: Relief line or purge line. Flange connection detection system

**ACCESSORIES**

- LNG shut-off valve  
- Leakage control line of swivel joints  
- Emergency release system