More Safety and Reduced Downtime in Harsh Conditions

With decades of experience as an original-equipment supplier to the oil & gas industry, Schaeffler designs every one of its sheave bearings to deliver relentless reliability under the most unrelenting conditions on land or at sea. FAG sheave bearings, in double row taper design, are suitable for numerous applications on drilling operations.

The new sealed sheave bearing in X-life quality helps to significantly reduce downtime and consequently costs, whether onshore or offshore. Due to its longer operational lifetime, FAG sheave bearings bring more added value on your platforms.
Sheave Applications
Features and characteristics

High load ratings
Overcoming the challenges in the oil & gas industry higher load ratings allow for faster and deeper drilling.

Operating conditions
FAG sheave bearings provide the best performance under every environmental condition, whether in the Arctic or in the Middle East.

X-life seal of premium quality
X-life, Schaeffler’s premium brand, stands for a better and more uniform surface for all raceways which leads to a significantly increased bearing lifetime.

Special Coating Corrotect
Corrotect is an extremely thin coating and provides long term anti-corrosion protection for a significant increase in operating life in harsh environmental conditions.
Corrotect is tested in a salt spray test in accordance with DIN EN ISO 9 227 and ASTM B117.

Sealing options
FAG double lip seals are designed specifically for the extreme conditions faced by the oil and gas industry to fend off salt, dust and water ensuring higher operating time.

Reduced Maintenance
Sealing in combination with high quality grease leads to significantly less maintenance.

Interchangeability
FAG sealed tapered roller bearings for sheave applications are easily interchangeable with non-sealed bearing assemblies. Existing lubrication systems can still be used with optimised sealed bearings.

API-compliant
All FAG sheave bearings are manufactured in accordance with API specification 8C. This encompasses all recognised industry standards, including ABMA, and ISO specifications for tolerances and load ratings.

Sealed tapered roller bearings for sheave applications

<table>
<thead>
<tr>
<th>Shaft diameter</th>
<th>14”</th>
<th>12”</th>
<th>10”</th>
<th>8”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealed bearing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part Number</td>
<td>F-586073.TR2</td>
<td>F-576041.TR2</td>
<td>F-601940.TR2</td>
<td>F-610198.TR2</td>
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<tr>
<td>Equivalent open bearing</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part Number</td>
<td>F-583131.TR2</td>
<td>Z-539192.TR2</td>
<td>Z-517152.TR2</td>
<td>Z-531590.TR2</td>
</tr>
<tr>
<td>Dimension [mm] (Bore × OD × Width)</td>
<td>355,600 × 444,500 × 136,525 mm</td>
<td>304,800 × 393,700 × 107,950 mm</td>
<td>253,975 × 347,662 × 101,600 mm</td>
<td>203,200 × 276,225 × 95,250 mm</td>
</tr>
<tr>
<td>Dimension [inch] (Bore × OD × Width)</td>
<td>14,000 × 17,500 × 5,375 inch</td>
<td>12,000 × 15,500 × 4,250 inch</td>
<td>10,000 × 13,687 × 4,000 inch</td>
<td>8,000 × 10,875 × 3,750 inch</td>
</tr>
<tr>
<td>Coating against corrosion</td>
<td>Corrotect – inner and outer ring</td>
<td>Corrotect – inner and outer ring</td>
<td>Corrotect – inner and outer ring</td>
<td>Corrotect – inner and outer ring</td>
</tr>
<tr>
<td>X-life</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Grease</td>
<td>Arcanol VIB3</td>
<td>Arcanol VIB3</td>
<td>Arcanol VIB3</td>
<td>Arcanol VIB3</td>
</tr>
</tbody>
</table>

Further sizes and designs can be manufactured on request.


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