



# Sealed Bearings for Sheave Applications

## High Performance Solutions

### 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.



# SCHAEFFLER

# 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.



Components of the sealed tapered roller bearing

### Sealed tapered roller bearings for sheave applications

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

Further sizes and designs can be manufactured on request.

**More Information:** Animation Drilling Rigs at <http://oil-and-gas.schaeffler.com>

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