

Short description

Segmented Large Diameter Bearings



Segmented large diameter bearings in diameter range larger than 7,500 mm from Liebherr are suitable for offshore industry, as well as for oil and gas applications.

For optimum adjustment to the needs of our customers we are expanding our product range in this field. The Liebherr production enabled highest accuracy and functionality of the large diameter bearing. Individual design results in direct cost benefits for the customer. As standard raceways of segmented large diameter bearings from Liebherr are induction hardened.

Optional raceways can also be realized with through-hardened insertion plates.

Features:

- Diameter range larger than 7,500 mm
- Inductively hardened raceways or hardened insertion plates
- Individual design according to customer requirements
- FE calculation including adjacent construction
- Very high specific load carrying capacity

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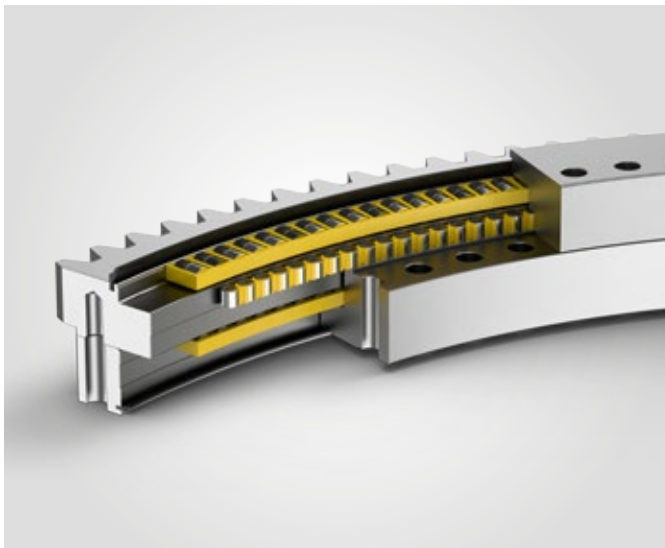
Version: 02

Technical information

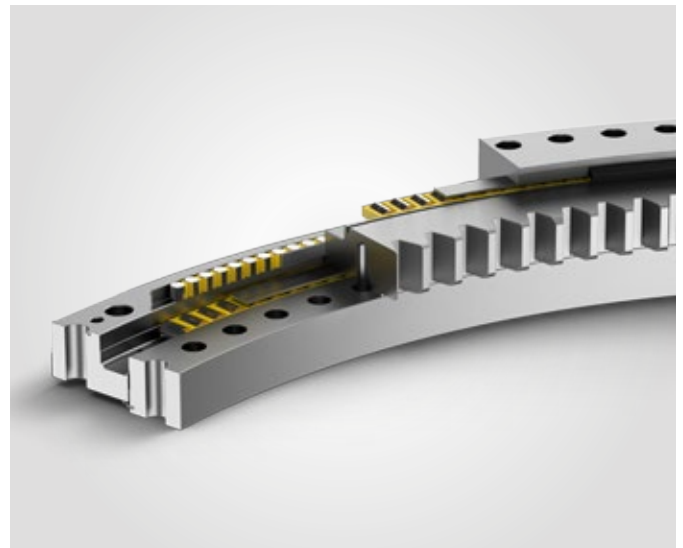
Segmented Large Diameter Bearings

Technical information

Design	(Triple-row) roller bearing slewing ring
Diameter range	> 7,500 mm
Dimensioning of raceway	Individual according to customer requirements (loading condition)
Main influencing factors	Tilting moment, axial force, radial force
Dimensions	Raceway (rolling element size), screw size, ring geometry (ring tension, deformations)
Calculation	Each bearing, including the adjacent construction, is verified using a company-internal and many times proven FE calculation method.
Assembly	Mobile assembly table available for large diameter bearings
Service	Support from Liebherr Service for on-site assembly including transportable assembly table with drive for pre-assembly.



Inductively hardened raceway (standard)



Through-hardened insert plates as raceway (optional)