

Factory-Verified Replacement

MERYDOM ROD03550-032DJ15-900-000

Certified for interchange with Liebherr ROD03550-032DJ15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

LEVEL 3 - MERYDOM ENGINEERING VERIFIED

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

MERYDOM MODEL

ROD03550-032DJ15-900-000

REFERENCE

Liebherr ROD03550-032DJ15-900-000

SERIES

ROD_32_DJ Series

STRUCTURE

Three-row roller

OVERALL OD

3,868 mm

OVERALL ID

3,190 mm

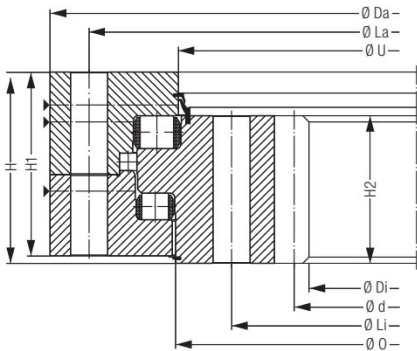
OVERALL HEIGHT

181 mm

GEAR

Internal gear

Published Technical Drawing



liebherr-page-143-drawing.webp

Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

MERYDOM CERTIFIED PRODUCT	
Product brand	MERYDOM
MERYDOM model	ROD03550-032DJ15-900-000
Certified interchangeable with	Liebherr ROD03550-032DJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	XADVPUIMFJMGJB26PMC4ECAUL7
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	Liebherr
Reference series	ROD_32_DJ Series
Reference model	ROD03550-032DJ15-900-000
Bearing structure	Three-row roller
Gear arrangement	Internal gear
DIMENSION	
Mass (Weight)	3,302 kg
Overall outside diameter (Da)	3,868 mm
Overall inside diameter (Di)	3,190 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	181 mm
Liebherr catalogue dimension O (O)	3,520 mm
Liebherr catalogue dimension U (U)	3,509 mm
Liebherr catalogue dimension H1 (H1)	172 mm
Liebherr catalogue dimension H2 (H2)	139 mm
MOUNTING	
Outer ring bolt circle (La)	3,690 mm
Inner ring bolt circle (Li)	3,395 mm
La/Li mounting-hole count (n)	66
Mounting fastener specification (M)	36
Liebherr catalogue count n1 (n1)	8
GEAR	
Gear pitch diameter (d)	3,212 mm
Gear module (m)	22 mm
Gear tooth count (z)	146
Addendum modification product x*m (x*m)	-11 mm
Gear face width (b)	139 mm
PERFORMANCE	
Standard tooth force (Fz standard)	265.9 kN
Maximum tooth force (Fz maximum)	531.8 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Static load rating (Cstat)	41,927 kN
Dynamic load rating (Cdyn)	3,863 kN
PERFORMANCE RATINGS	
Rating Dynamic	3,863 kN Not simultaneous with other listed dynamic ratings
Rating Static	41,927 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	531.8 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	265.9 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	66 holes - 36
Inner ring mounting	66 holes - 36
GEAR INTERFACE	
Pitch system	module
Module reference	22 mm
Number of teeth	146
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	143
Printed page	143
Source language	EN

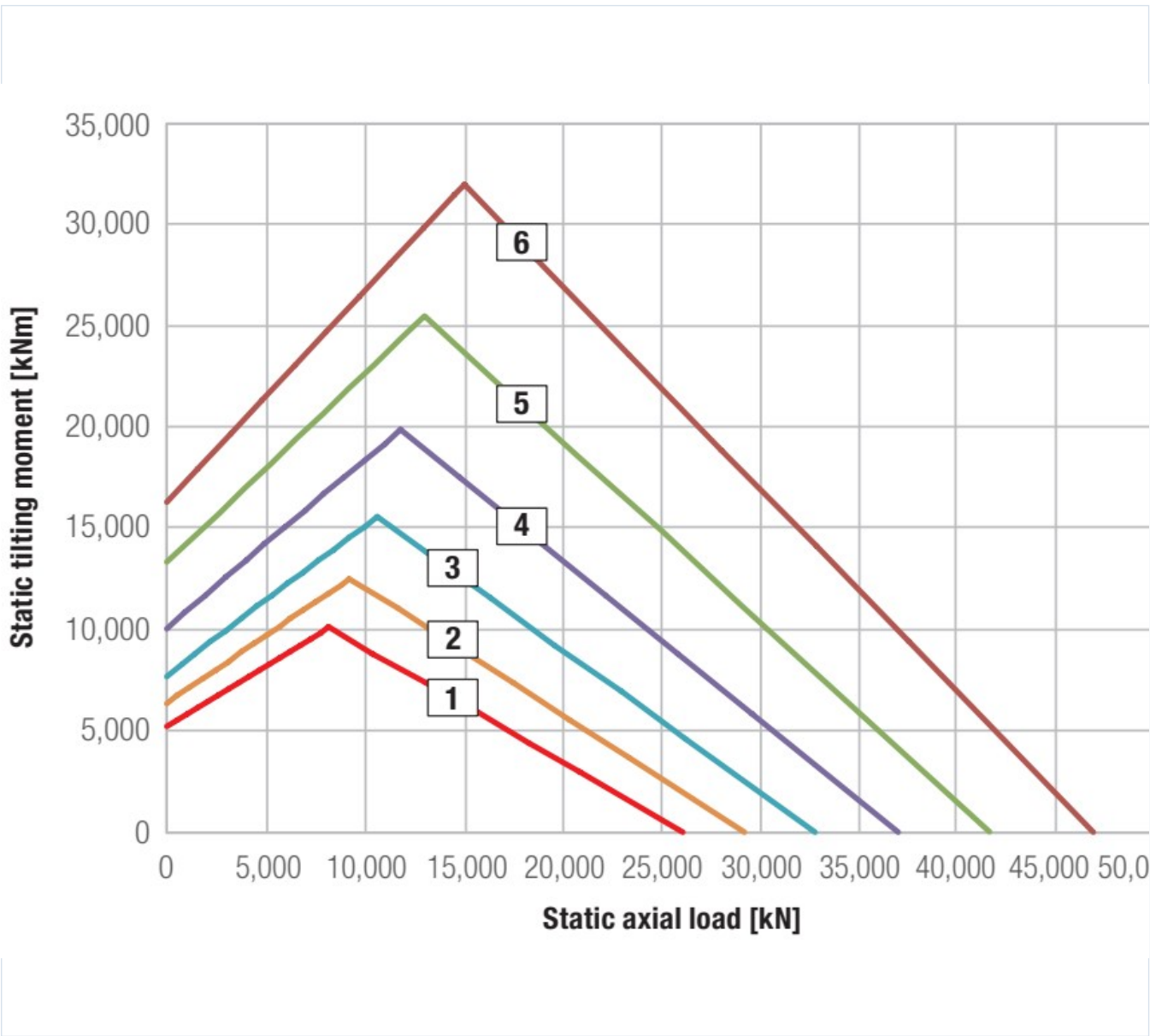
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Mixed_metric_dp_threads
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-143-curve.webp SHA-256: 00fbf694b902d4250cc4bca3426a59a482924934f5c14ccfc1bb9e657f5faee7
Outline Drawing	liebherr-page-143-drawing.webp SHA-256: a5ff11e86281ccb88e96d0dfa40395f490159575f31c681342942e040de5408b

Published Load / Performance Chart

Use the published chart as a preliminary selection aid only. The model legend, curve family and source document must be reviewed together with the operating load case.



liebherr-page-143-curve.webp | SHA-256: 00fbf694b902d4250cc4bca3426a59a482924934f5c14ccfc1bb9e657f5faee7

Engineering note: final approval must also consider mounting rigidity, bolt capacity, duty cycle, lubrication, temperature, environment and installation conditions.

Source and Verification Traceability

PUBLIC RECORD UID XADVPUIMFJMGJB26PMC4ECAUL7	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 143 Printed page 143
VERIFICATION Level 3 - MERYDOM Engineering Verified	REVIEWED BY MERYDOM Engineering Department

Engineering Confirmation Boundary

- 1

Confirm the exact model designation and all installation-envelope dimensions.
- 2

Confirm mounting-hole quantity, bolt circle, hole specification, bolt grade and preload.
- 3

Confirm gear arrangement, pitch system, tooth count, backlash and mating-pinion data.
- 4

Confirm axial, radial and moment loads, load combinations, duty cycle and required life.
- 5

Confirm support flatness and stiffness, lubrication, sealing, temperature and environment.
- 6

Final drawing revision, manufacturing tolerances and documentation package are confirmed with the quotation.

Request Price, Delivery and Final Engineering Confirmation

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/liebherr/rod03550-032dj15-900-000/>

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