Factory-Verified Replacement

MERYDOM ROD03762-032DJ15-900-000

Certified for interchange with Liebherr ROD03762-032DJ15-900-000. 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

ROD03762-032DJ15-900-000

REFERENCE

Liebherr ROD03762-032DJ15-900-000

SERIES

ROD_32_DJ Series

STRUCTURE

Three-row roller

OVERALL OD

4,000 mm

OVERALL ID

3,424 mm

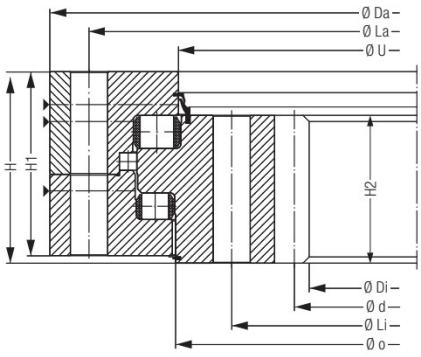
OVERALL HEIGHT

220 mm

GEAR

Internal gear

Published Technical Drawing



liebherr-page-133-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	ROD03762-032DJ15-900-000
Certified interchangeable with	Liebherr ROD03762-032DJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	77LV6VNRIBYCHFIM7YPRLDDBNP
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	ROD03762-032DJ15-900-000
Bearing structure	Three-row roller
Gear arrangement	Internal gear
DIMENSION	
Mass (Weight)	4,200 kg
Overall outside diameter (Da)	4,000 mm
Overall inside diameter (Di)	3,424 mm

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.

DIMENSION (CONTINUED)	
Overall height (H)	220 mm
Liebherr catalogue dimension O (O)	3,718 mm
Liebherr catalogue dimension U (U)	3,700 mm
Liebherr catalogue dimension H1 (H1)	205 mm
Liebherr catalogue dimension H2 (H2)	180 mm
MOUNTING	
Outer ring bolt circle (La)	3,916 mm
Inner ring bolt circle (Li)	3,612 mm
La/Li mounting-hole count (n)	120
Mounting fastener specification (M)	36
Liebherr catalogue count n1 (n1)	12
GEAR	
Gear pitch diameter (d)	3,440 mm
Gear module (m)	20 mm
Gear tooth count (z)	172
Addendum modification product x*m (x*m)	-10 mm
Liebherr catalogue gear dimension k*m (k*m)	-2 mm
Gear face width (b)	180 mm
PERFORMANCE	
Standard tooth force (Fz standard)	313 kN

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.

PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	626 kN
Static load rating (Cstat)	76,108 kN
Dynamic load rating (Cdyn)	6,048 kN
PERFORMANCE RATINGS	
Rating Dynamic	6,048 kN | Not simultaneous with other listed dynamic ratings
Rating Static	76,108 kN | Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	626 kN | Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	313 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	120 holes - 36
Inner ring mounting	120 holes - 36
GEAR INTERFACE	
Pitch system	module
Module reference	20 mm
Number of teeth	172
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	133
Printed page	133

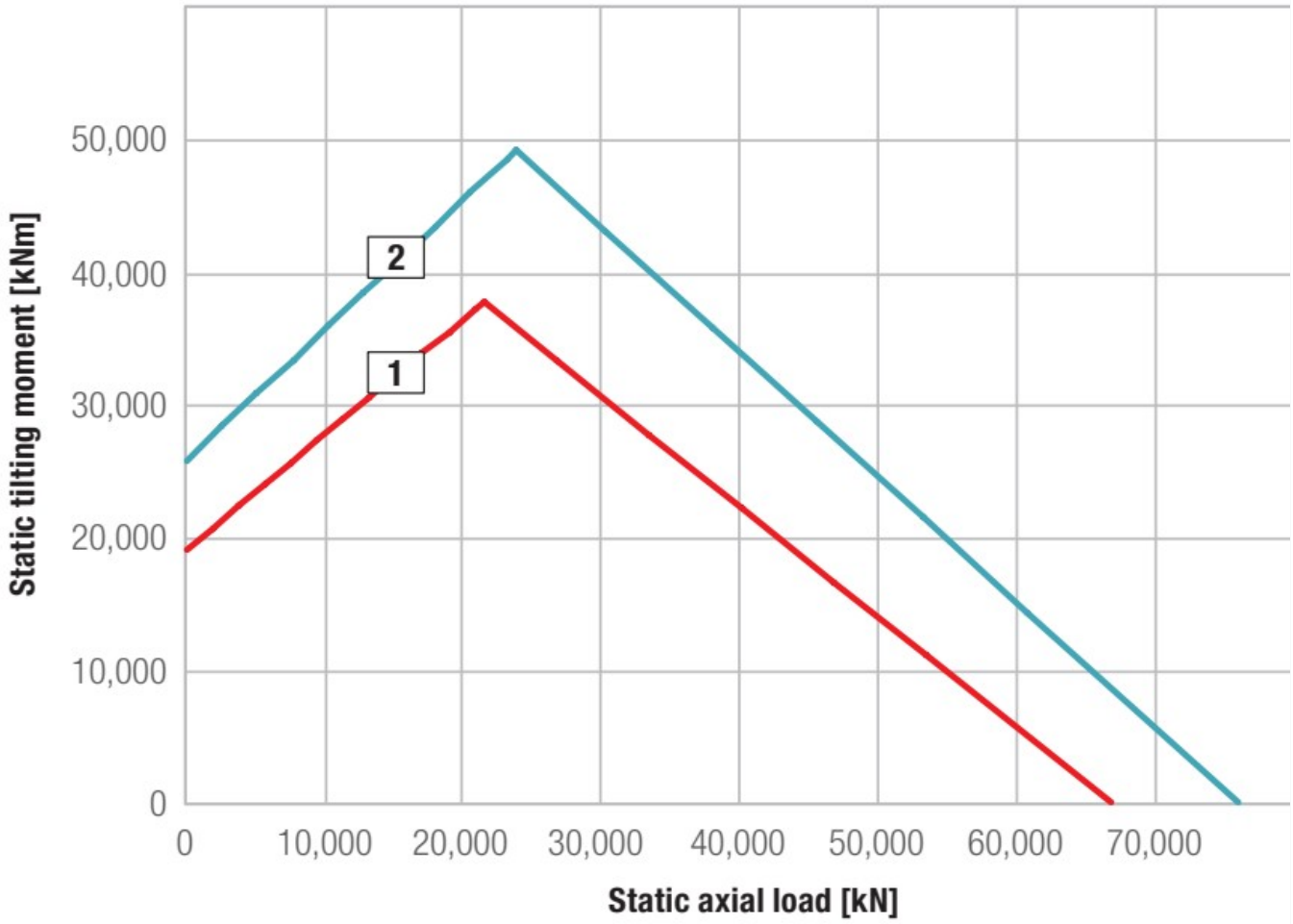
Complete Product Data

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)	
Source language	EN
Original unit system	Mixed_metric_dp_threads
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-133-curve.webp | SHA-256: 34595bd4f34e8e26789440571a2e66ba1eb29f88ae97ddfd42a38628831e3965
Outline Drawing	liebherr-page-133-drawing.webp | SHA-256: e4fecb9e46537e1eee475e29dd6cb6c2dbd8ebeac4493ccac8409321040c3630

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-133-curve.webp | SHA-256: 34595bd4f34e8e26789440571a2e66ba1eb29f88ae97ddfd42a38628831e3965

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

77LV6VNRIBYCHFIM7YPRLDDBNP

SOURCE DOCUMENT

LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018

SOURCE FILE

liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf

SOURCE LOCATION

PDF page 133 | Printed page 133

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/rod03762-032dj15-900-000/