

Factory-Verified Replacement

MERYDOM ROD04000-050DJ15-900-000

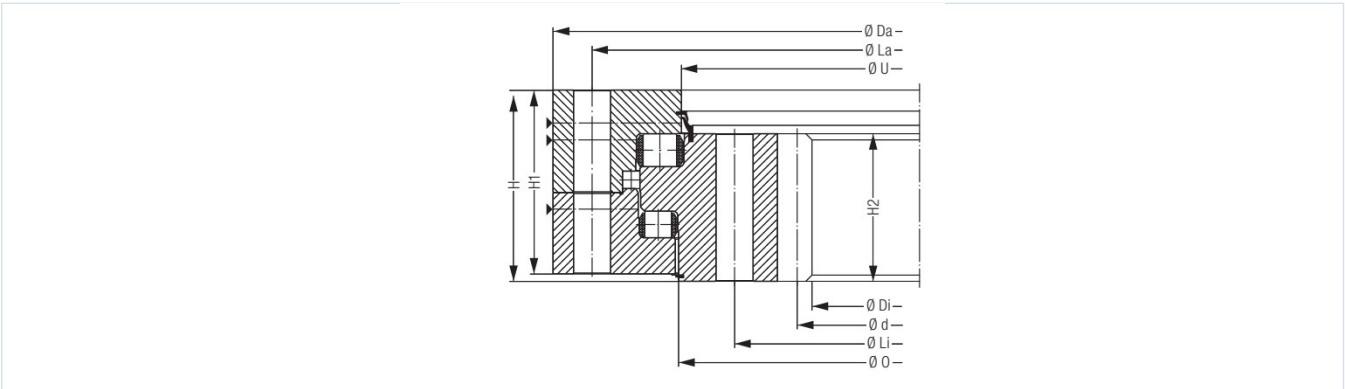
Certified for interchange with Liebherr ROD04000-050DJ15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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	REFERENCE
ROD04000-050DJ15-900-000	Liebherr ROD04000-050DJ15-900-000
SERIES	STRUCTURE
ROD_50_DJ Series	s ral makaral
OVERALL OD	OVERALL ID
4,265 mm	3,576 mm
OVERALL HEIGHT	GEAR
268 mm	ten di li

Published Technical Drawing



liebherr-page-145-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	ROD04000-050DJ15-900-000
Certified interchangeable with	Liebherr ROD04000-050DJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	DGAKAN45LYKLYMEFUR7BH56FA
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_50_DJ Series
Reference model	ROD04000-050DJ15-900-000
Bearing structure	s ral makaral
Gear arrangement	ten di li
DIMENSION	
Mass (Weight)	6 623 kg
Overall outside diameter (Da)	4 265 mm
Overall inside diameter (Di)	3 576 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	268 mm
Liebherr catalogue dimension O (O)	3 954 mm
Liebherr catalogue dimension U (U)	3 940 mm
Liebherr catalogue dimension H1 (H1)	258 mm
Liebherr catalogue dimension H2 (H2)	203 mm
MOUNTING	
Outer ring bolt circle (La)	4 175 mm
Inner ring bolt circle (Li)	3 800 mm
La/Li mounting-hole count (n)	60
Mounting fastener specification (M)	42
Liebherr catalogue count n1 (n1)	10
GEAR	
Gear pitch diameter (d)	3 600 mm
Gear module (m)	24 mm
Gear tooth count (z)	150
Addendum modification product x^*m (x^*m)	-12 mm
Gear face width (b)	203 mm
PERFORMANCE	
Standard tooth force (Fz standard)	423,6 kN
Maximum tooth force (Fz maximum)	847,2 kN

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PERFORMANCE (CONTINUED)	
Static load rating (Cstat)	73 992 kN
Dynamic load rating (Cdyn)	7 442 kN
PERFORMANCE RATINGS	
Rating Dynamic	7 442 kN Not simultaneous with other listed dynamic ratings
Rating Static	73 992 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	847,2 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	423,6 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	60 holes - 42
Inner ring mounting	60 holes - 42
GEAR INTERFACE	
Pitch system	module
Module reference	24 mm
Number of teeth	150
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	145
Printed page	145
Source language	EN

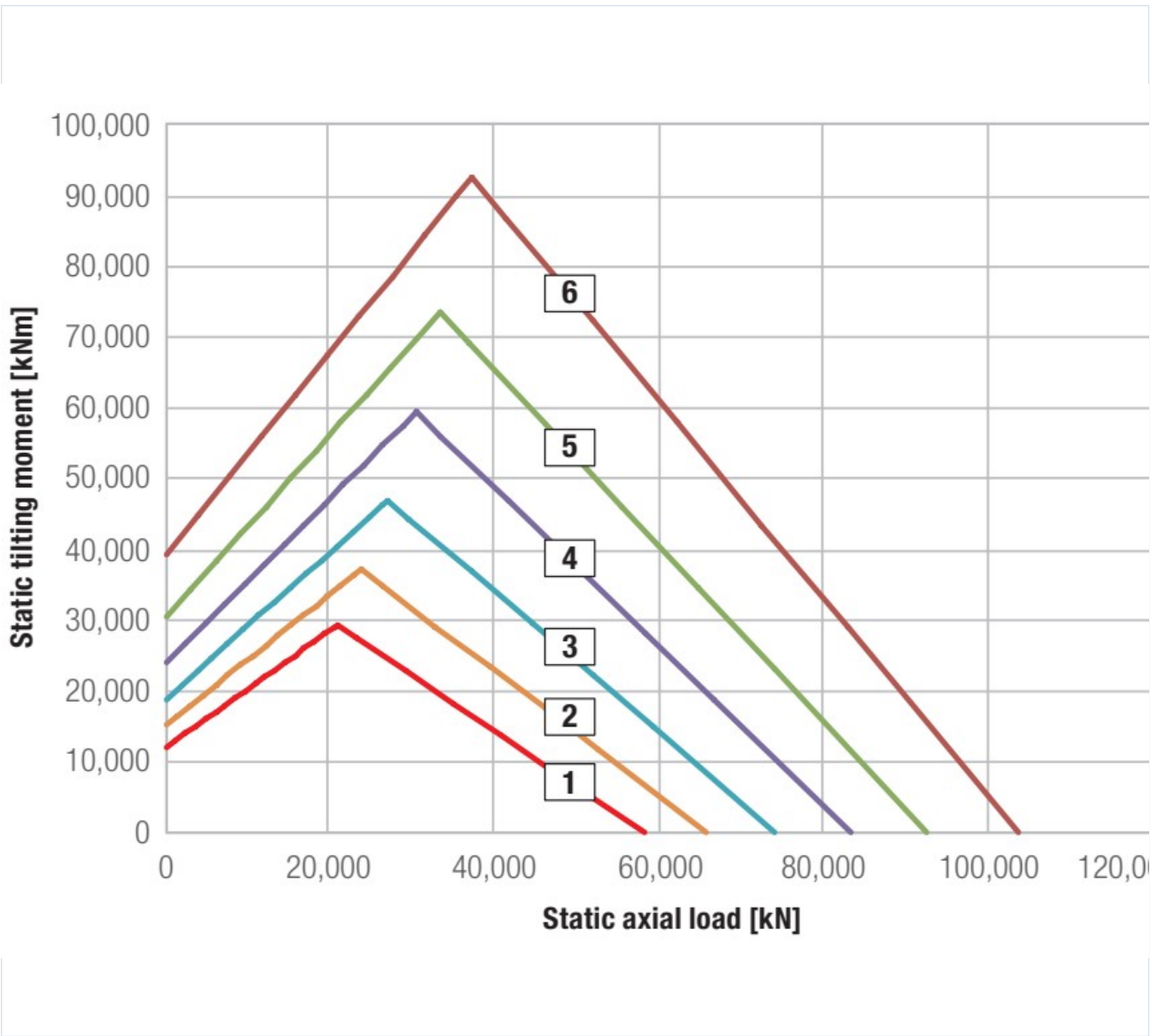
Complete Product Data

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SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Mixed_metric_dp_threads
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-145-curve.webp SHA-256: 2e37d5f9ba28691f0d2f0531acd5a49376605c163f5e0c84ceb3cabbf155ddb6
Outline Drawing	liebherr-page-145-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-145-curve.webp | SHA-256: 2e37d5f9ba28691f0d2f0531acd5a49376605c163f5e0c84ceb3cabbf155ddb6

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

DGAKAN45LYKLYYMEFUR7BH56FA

SOURCE FILE

liebherr-slewing-bearings-product-ca
talogue-pt-metric-web.pdf

VERIFICATION

Level 3 - MERYDOM Engineering
Verified

SOURCE DOCUMENT

LIEBHERR-SLEWING-BEARINGS-PRODUCT-CA
TALOGUE-2018

SOURCE LOCATION

PDF page 145 | Printed page 145

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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/liebherr/rod04000-050dj15-900-000/>

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