

Factory-Verified Replacement

MERYDOM ROD04000-040DA15-900-000

Certified for interchange with Liebherr ROD04000-040DA15-900-000. 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

ROD04000-040DA15-900-000

REFERENCE

Liebherr ROD04000-040DA15-900-000

SERIES

ROD_40_DA Series

STRUCTURE

s ral makaral

OVERALL OD

4,363.2 mm

OVERALL ID

3,762 mm

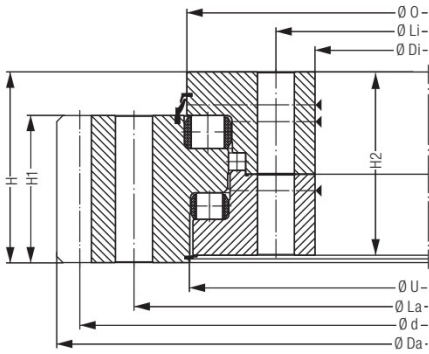
OVERALL HEIGHT

220 mm

GEAR

D tan di li

Published Technical Drawing



liebherr-page-139-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	ROD04000-040DA15-900-000
Certified interchangeable with	Liebherr ROD04000-040DA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	6IHNA325726JAV6VKIXWIT2OC7
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_40_DA Series
Reference model	ROD04000-040DA15-900-000
Bearing structure	s ral makaral
Gear arrangement	D tan di li
DIMENSION	
Mass (Weight)	4 805 kg
Overall outside diameter (Da)	4 363,2 mm
Overall inside diameter (Di)	3 762 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)	4 050 mm
Liebherr catalogue dimension U (U)	4 037 mm
Liebherr catalogue dimension H1 (H1)	170 mm
Liebherr catalogue dimension H2 (H2)	210 mm
MOUNTING	
Outer ring bolt circle (La)	4 165 mm
Inner ring bolt circle (Li)	3 840 mm
La/Li mounting-hole count (n)	72
Mounting fastener specification (M)	36
Liebherr catalogue count n1 (n1)	9
GEAR	
Gear pitch diameter (d)	4 296 mm
Gear module (m)	24 mm
Gear tooth count (z)	179
Addendum modification product x^*m (x^*m)	12 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-2,4 mm
Gear face width (b)	170 mm
PERFORMANCE	
Standard tooth force (Fz standard)	354,8 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	709,6 kN
Static load rating (Cstat)	59 066 kN
Dynamic load rating (Cdyn)	5 529 kN
PERFORMANCE RATINGS	
Rating Dynamic	5 529 kN Not simultaneous with other listed dynamic ratings
Rating Static	59 066 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	709,6 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	354,8 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	72 holes - 36
Inner ring mounting	72 holes - 36
GEAR INTERFACE	
Pitch system	module
Module reference	24 mm
Number of teeth	179
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	139
Printed page	139

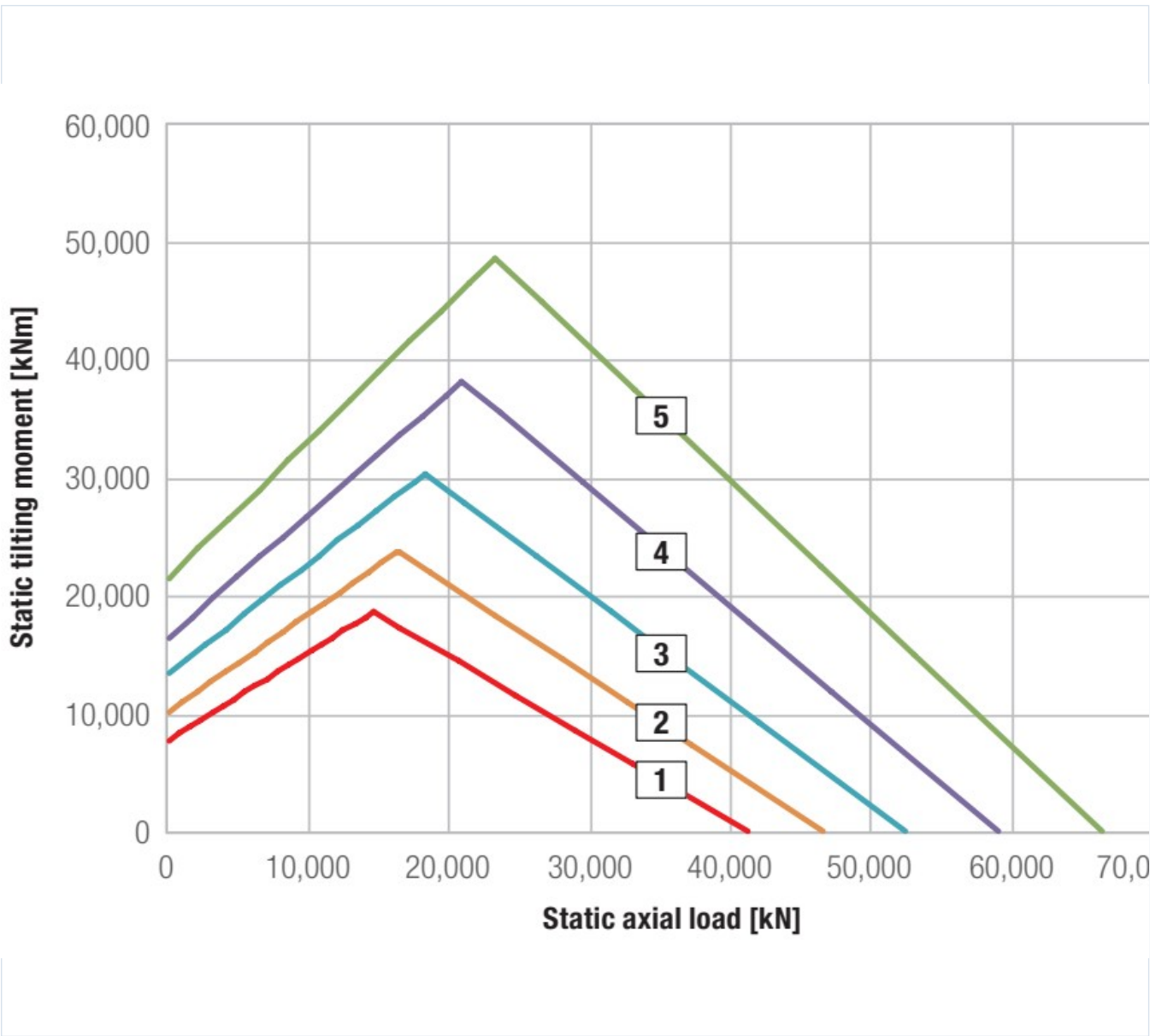
Complete Product Data

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-139-curve.webp SHA-256: fa624f155eb7adbd5bfb62c8217634e8ae6cc920803a48c6f3db0d320488e43b
Outline Drawing	liebherr-page-139-drawing.webp SHA-256: c4dc701ffa269a34556bbbf91f50fad70bfdc8991fb99531717aa161efe58484

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-139-curve.webp | SHA-256: fa624f155eb7adbd5bfb62c8217634e8ae6cc920803a48c6f3db0d320488e43b

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

6IHNA325726JAV6VKIXWIT2OC7

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 139 | Printed page 139

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/rod04000-040da15-900-000/>

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