

Factory-Verified Replacement

MERYDOM ROD02800-040DA15-900-000

Certified for interchange with Liebherr ROD02800-040DA15-900-000. 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

ROD02800-040DA15-900-000

REFERENCE

Liebherr ROD02800-040DA15-900-000

SERIES

ROD_40_DA Series

STRUCTURE

s ral makaral

OVERALL OD

3,136 mm

OVERALL ID

2,562 mm

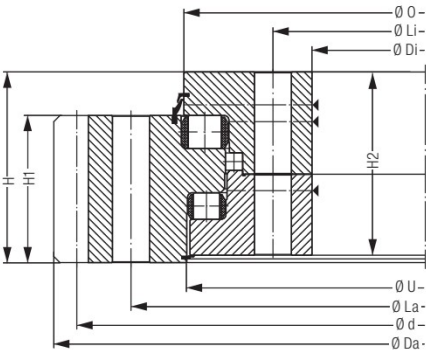
OVERALL HEIGHT

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	ROD02800-040DA15-900-000
Certified interchangeable with	Liebherr ROD02800-040DA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	J4L6GKI6LDUYPRSBKTWXYJXI47
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	ROD02800-040DA15-900-000
Bearing structure	s ral makaral
Gear arrangement	D tan di li
DIMENSION	
Mass (Weight)	3 267 kg
Overall outside diameter (Da)	3 136 mm
Overall inside diameter (Di)	2 562 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)	2 850 mm
Liebherr catalogue dimension U (U)	2 837 mm
Liebherr catalogue dimension H1 (H1)	170 mm
Liebherr catalogue dimension H2 (H2)	210 mm
MOUNTING	
Outer ring bolt circle (La)	2 965 mm
Inner ring bolt circle (Li)	2 640 mm
La/Li mounting-hole count (n)	48
Mounting fastener specification (M)	36
Liebherr catalogue count n1 (n1)	8
GEAR	
Gear pitch diameter (d)	3 080 mm
Gear module (m)	20 mm
Gear tooth count (z)	154
Addendum modification product x*m (x*m)	10 mm
Liebherr catalogue gear dimension k*m (k*m)	-2 mm
Gear face width (b)	170 mm
PERFORMANCE	
Standard tooth force (Fz standard)	295,7 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	591,4 kN
Static load rating (Cstat)	41 245 kN
Dynamic load rating (Cdyn)	4 752 kN
PERFORMANCE RATINGS	
Rating Dynamic	4 752 kN Not simultaneous with other listed dynamic ratings
Rating Static	41 245 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	591,4 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	295,7 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - 36
Inner ring mounting	48 holes - 36
GEAR INTERFACE	
Pitch system	module
Module reference	20 mm
Number of teeth	154
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

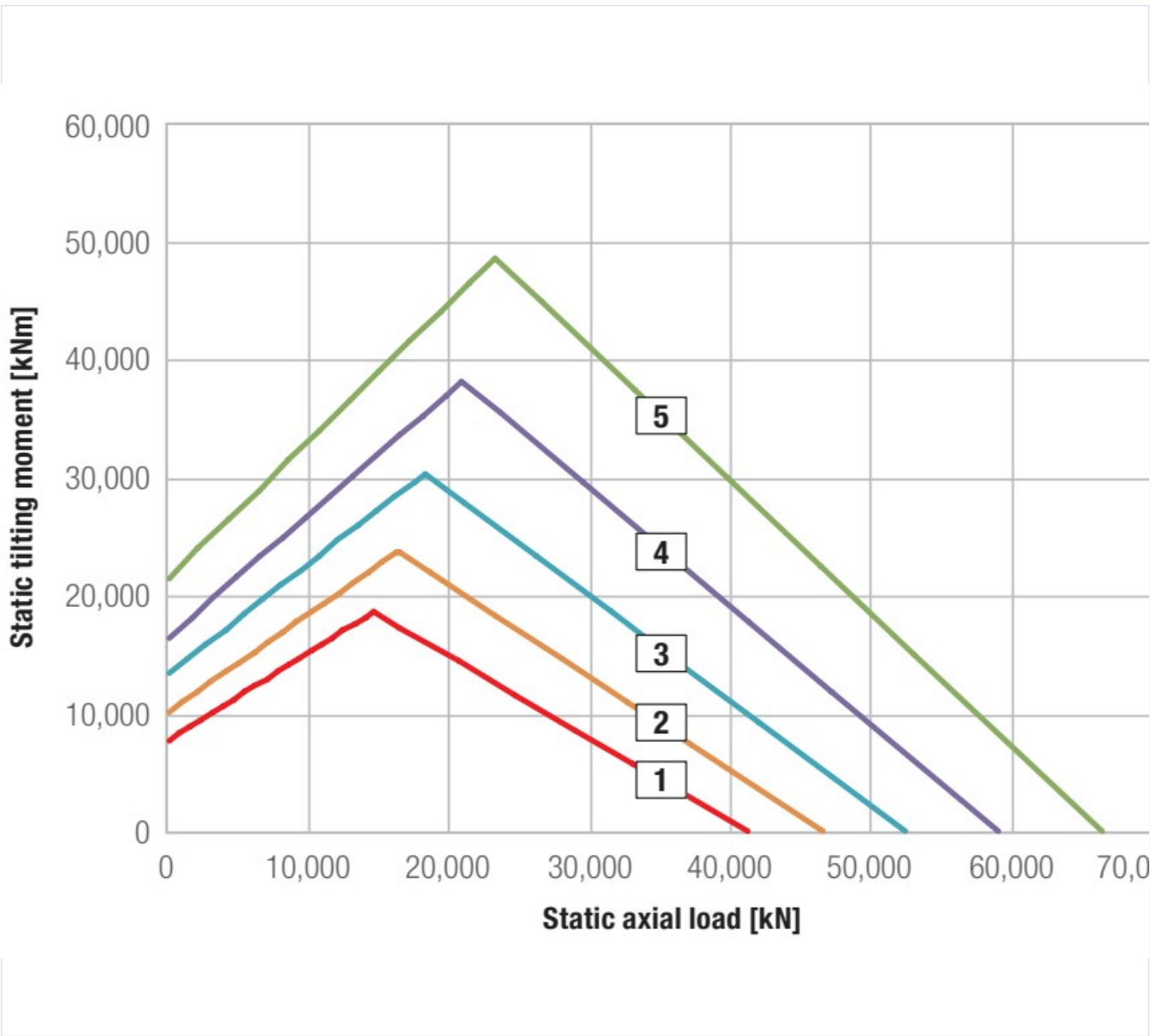
Complete Product Data

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

J4L6GKI6LDUYPRSBKTWXYJXI47

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/rod02800-040da15-900-000/>

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