

Factory-Verified Replacement

MERYDOM ROD01900-040DA15-900-000

Certified for interchange with Liebherr ROD01900-040DA15-900-000. 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

ROD01900-040DA15-900-000

REFERENCE

Liebherr ROD01900-040DA15-900-000

SERIES

ROD_40_DA Series

STRUCTURE

Three-row roller

OVERALL OD

2,217 mm

OVERALL ID

1,640 mm

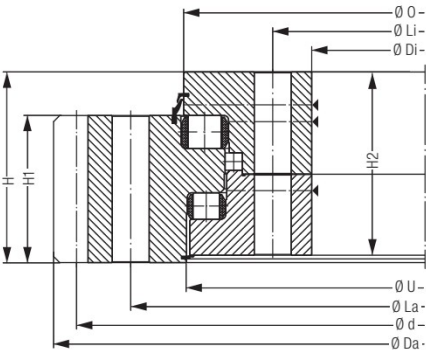
OVERALL HEIGHT

280 mm

GEAR

External gear

Published Technical Drawing



liebherr-page-132-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	ROD01900-040DA15-900-000
Certified interchangeable with	Liebherr ROD01900-040DA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	MZMAOUOKJUAZ3Q2QOYBQT42TJC
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	ROD01900-040DA15-900-000
Bearing structure	Three-row roller
Gear arrangement	External gear
DIMENSION	
Mass (Weight)	2,538 kg
Overall outside diameter (Da)	2,217 mm
Overall inside diameter (Di)	1,640 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	280 mm
Liebherr catalogue dimension O (O)	1,964 mm
Liebherr catalogue dimension U (U)	1,945 mm
Liebherr catalogue dimension H1 (H1)	217 mm
Liebherr catalogue dimension H2 (H2)	233 mm
MOUNTING	
Outer ring bolt circle (La)	2,055 mm
Inner ring bolt circle (Li)	1,735 mm
La/Li mounting-hole count (n)	56
Mounting fastener specification (M)	42
Liebherr catalogue count n1 (n1)	8
GEAR	
Gear pitch diameter (d)	2,160 mm
Gear module (m)	15 mm
Gear tooth count (z)	144
Addendum modification product x^*m (x^*m)	15 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1.5 mm
Gear face width (b)	217 mm
PERFORMANCE	
Standard tooth force (Fz standard)	283 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	566 kN
Static load rating (Cstat)	28,006 kN
Dynamic load rating (Cdyn)	3,728 kN
PERFORMANCE RATINGS	
Rating Dynamic	3,728 kN Not simultaneous with other listed dynamic ratings
Rating Static	28,006 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	566 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	283 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	56 holes - 42
Inner ring mounting	56 holes - 42
GEAR INTERFACE	
Pitch system	module
Module reference	15 mm
Number of teeth	144
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	132
Printed page	132

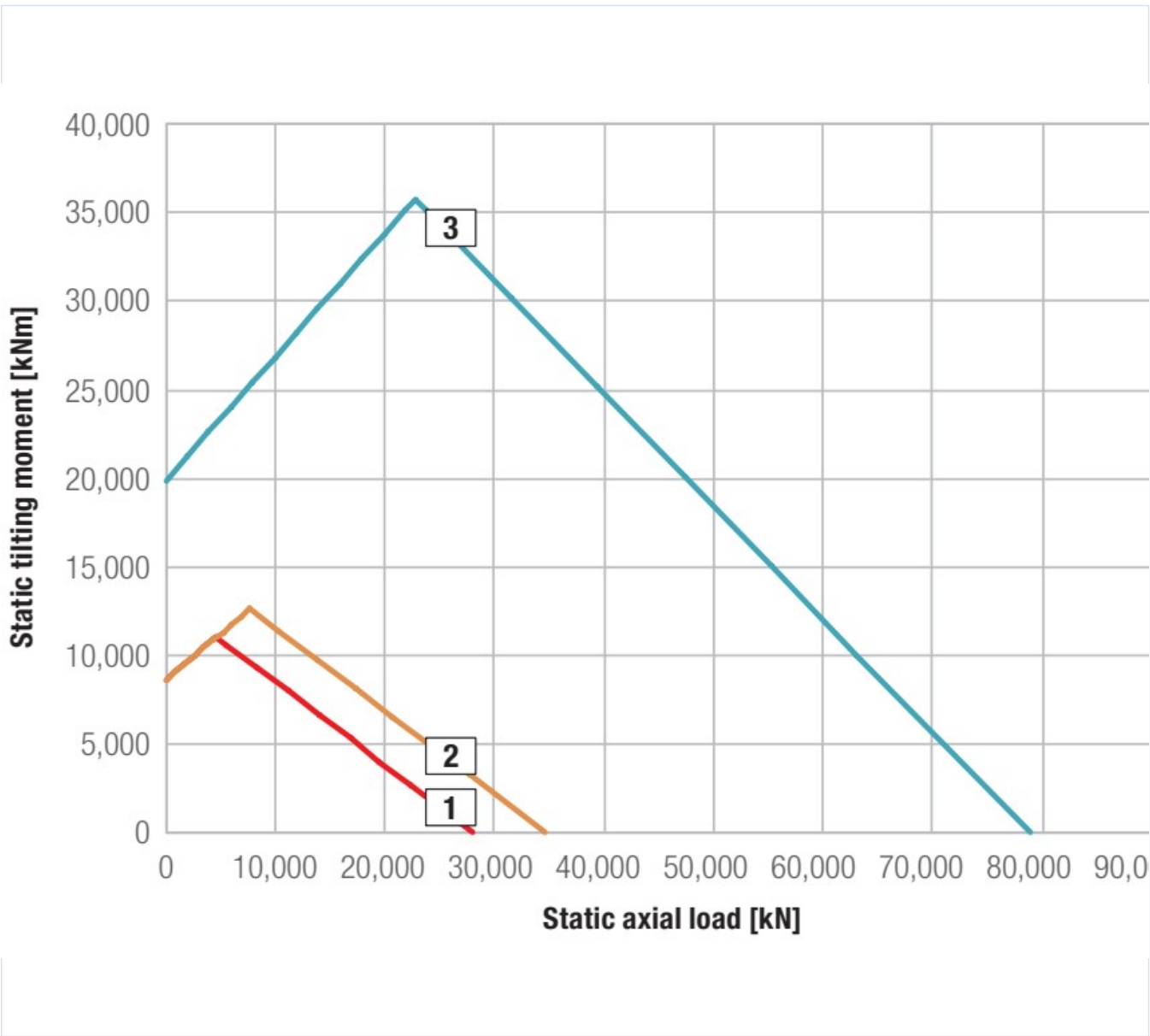
Complete Product Data

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-132-curve.webp SHA-256: 906a3c21fa0bff2f96b355718f27513d403736d28d06d9b1760d3421b2bf4bfd
Outline Drawing	liebherr-page-132-drawing.webp SHA-256: dce2e2500a3daa3838b8ca5cdd27994184301f3b96c333e0288bb3af5f2e59cb

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-132-curve.webp | SHA-256: 906a3c21fa0bff2f96b355718f27513d403736d28d06d9b1760d3421b2bf4bfd

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

MZMAOUOKJUAZ3Q2QOYBQT42TJC

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 132 | Printed page 132

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/products/slewing-bearing-replacements/liebherr/rod01900-040da15-900-000/>

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