

Factory-Verified Replacement

MERYDOM ROD02000-021DA15-900-000

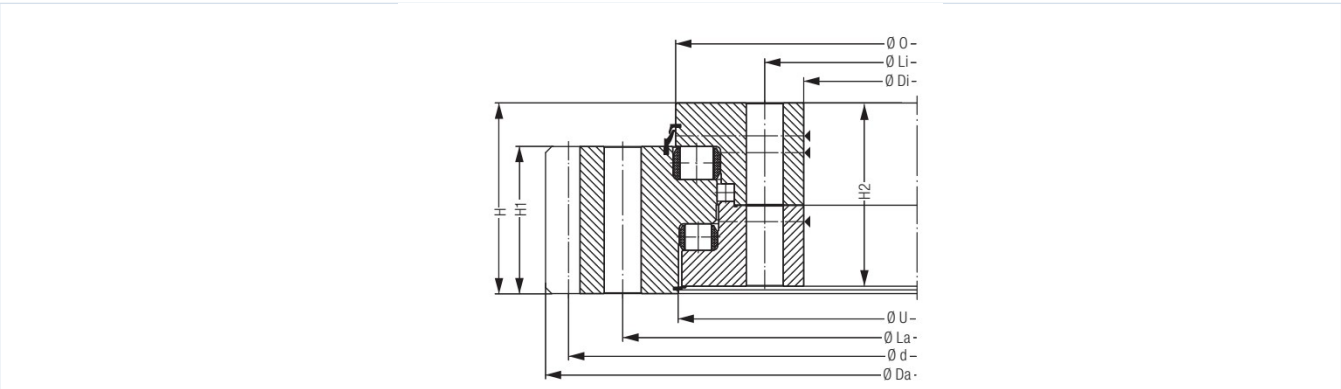
Certified for interchange with Liebherr ROD02000-021DA15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
ROD02000-021DA15-900-000	Liebherr ROD02000-021DA15-900-000
SERIES	STRUCTURE
ROD_21_DA Series	Three-row roller
OVERALL OD	OVERALL ID
2,236.8 mm	1,853 mm
OVERALL HEIGHT	GEAR
132 mm	External gear

Published Technical Drawing



liebherr-page-136-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	ROD02000-021DA15-900-000
Certified interchangeable with	Liebherr ROD02000-021DA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CK5FAL7UKU4CQJFYERU6LOIIO3
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_21_DA Series
Reference model	ROD02000-021DA15-900-000
Bearing structure	Three-row roller
Gear arrangement	External gear
DIMENSION	
Mass (Weight)	912 kg
Overall outside diameter (Da)	2,236.8 mm
Overall inside diameter (Di)	1,853 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	132 mm
Liebherr catalogue dimension O (O)	2,032 mm
Liebherr catalogue dimension U (U)	2,030 mm
Liebherr catalogue dimension H1 (H1)	106 mm
Liebherr catalogue dimension H2 (H2)	123 mm
MOUNTING	
Outer ring bolt circle (La)	2,105 mm
Inner ring bolt circle (Li)	1,905 mm
La/Li mounting-hole count (n)	54
Mounting fastener specification (M)	24
Liebherr catalogue count n1 (n1)	5
GEAR	
Gear pitch diameter (d)	2,192 mm
Gear module (m)	16 mm
Gear tooth count (z)	137
Addendum modification product x^*m (x^*m)	8 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1.6 mm
Gear face width (b)	106 mm
PERFORMANCE	
Standard tooth force (Fz standard)	155.8 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	311.2 kN
Static load rating (Cstat)	14,879 kN
Dynamic load rating (Cdyn)	1,583 kN
PERFORMANCE RATINGS	
Rating Dynamic	1,583 kN Not simultaneous with other listed dynamic ratings
Rating Static	14,879 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	311.2 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	155.8 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	54 holes - 24
Inner ring mounting	54 holes - 24
GEAR INTERFACE	
Pitch system	module
Module reference	16 mm
Number of teeth	137
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	136
Printed page	136

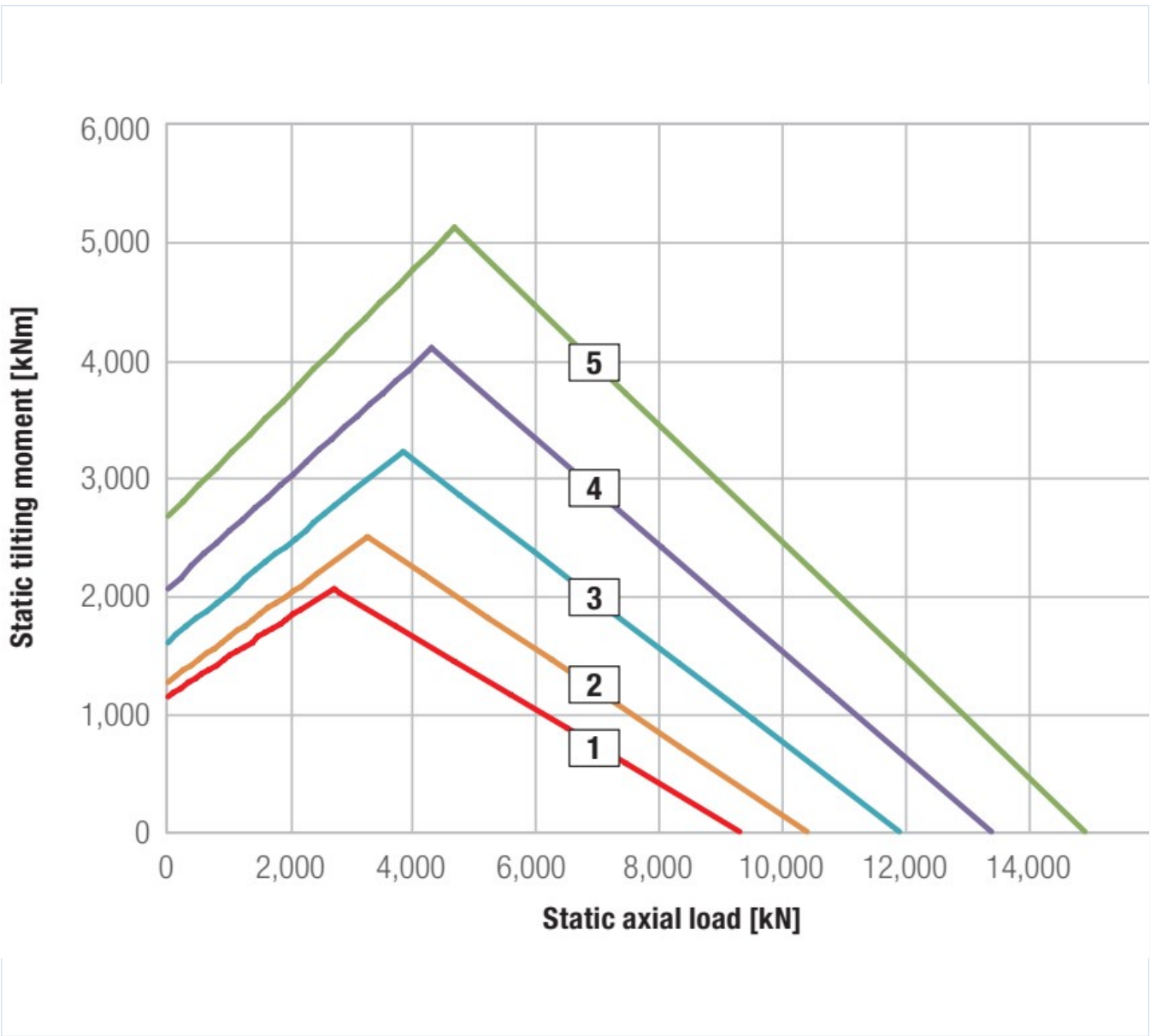
Complete Product Data

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-136-curve.webp SHA-256: f21da350427581a9d4ba2c413d668e40c5ff767da491c826f1950289eb d87605
Outline Drawing	liebherr-page-136-drawing.webp SHA-256: dce2e2500a3daa3838b8ca5cdd27994184301f3b96c333e0288bb3af5f 2e59cb

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-136-curve.webp | SHA-256: f21da350427581a9d4ba2c413d668e40c5ff767da491c826f1950289ebd87605

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 CK5FAL7UKU4CQJFYERU6LOIIO3	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CA TALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-ca talogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 136 Printed page 136
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/rod02000-021da15-900-000/>

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