

Factory-Verified Replacement

MERYDOM ROD02578-032DA15-900-000

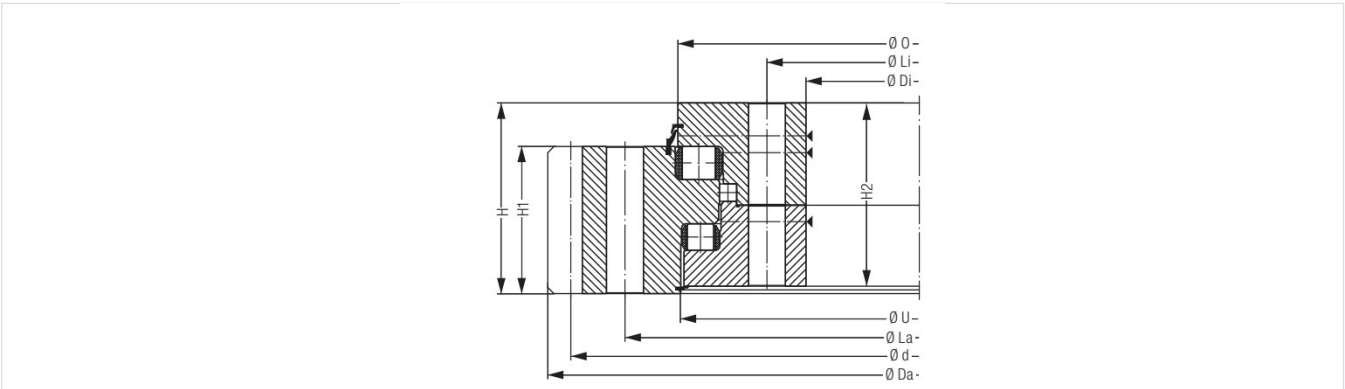
Certified for interchange with Liebherr ROD02578-032DA15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
ROD02578-032DA15-900-000	Liebherr ROD02578-032DA15-900-000
SERIES	STRUCTURE
ROD_32_DA Series	Rulli a tre file
OVERALL OD	OVERALL ID
2,948.4 mm	2,330 mm
OVERALL HEIGHT	GEAR
212 mm	Dentatura esterna

Published Technical Drawing



liebherr-page-131-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	ROD02578-032DA15-900-000
Certified interchangeable with	Liebherr ROD02578-032DA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	HUVGK6IVKLIDCZWXSBLASJFHZ
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_32_DA Series
Reference model	ROD02578-032DA15-900-000
Bearing structure	Rulli a tre file
Gear arrangement	Dentatura esterna
DIMENSION	
Mass (Weight)	2.750 kg
Overall outside diameter (Da)	2.948,4 mm
Overall inside diameter (Di)	2.330 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)	212 mm
Liebherr catalogue dimension O (O)	2.639 mm
Liebherr catalogue dimension U (U)	2.614 mm
Liebherr catalogue dimension H1 (H1)	145 mm
Liebherr catalogue dimension H2 (H2)	204 mm
MOUNTING	
Outer ring bolt circle (La)	2.776 mm
Inner ring bolt circle (Li)	2.428 mm
La/Li mounting-hole count (n)	84
Mounting fastener specification (M)	42
Liebherr catalogue count n1 (n1)	8
GEAR	
Gear pitch diameter (d)	2.880 mm
Gear module (m)	18 mm
Gear tooth count (z)	160
Addendum modification product x^*m (x^*m)	18 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1,8 mm
Gear face width (b)	145 mm
PERFORMANCE	
Standard tooth force (Fz standard)	240 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	479 kN
Static load rating (Cstat)	52.003 kN
Dynamic load rating (Cdyn)	4.944 kN
PERFORMANCE RATINGS	
Rating Dynamic	4.944 kN Not simultaneous with other listed dynamic ratings
Rating Static	52.003 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	479 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	240 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	84 holes - 42
Inner ring mounting	84 holes - 42
GEAR INTERFACE	
Pitch system	module
Module reference	18 mm
Number of teeth	160
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	131
Printed page	131

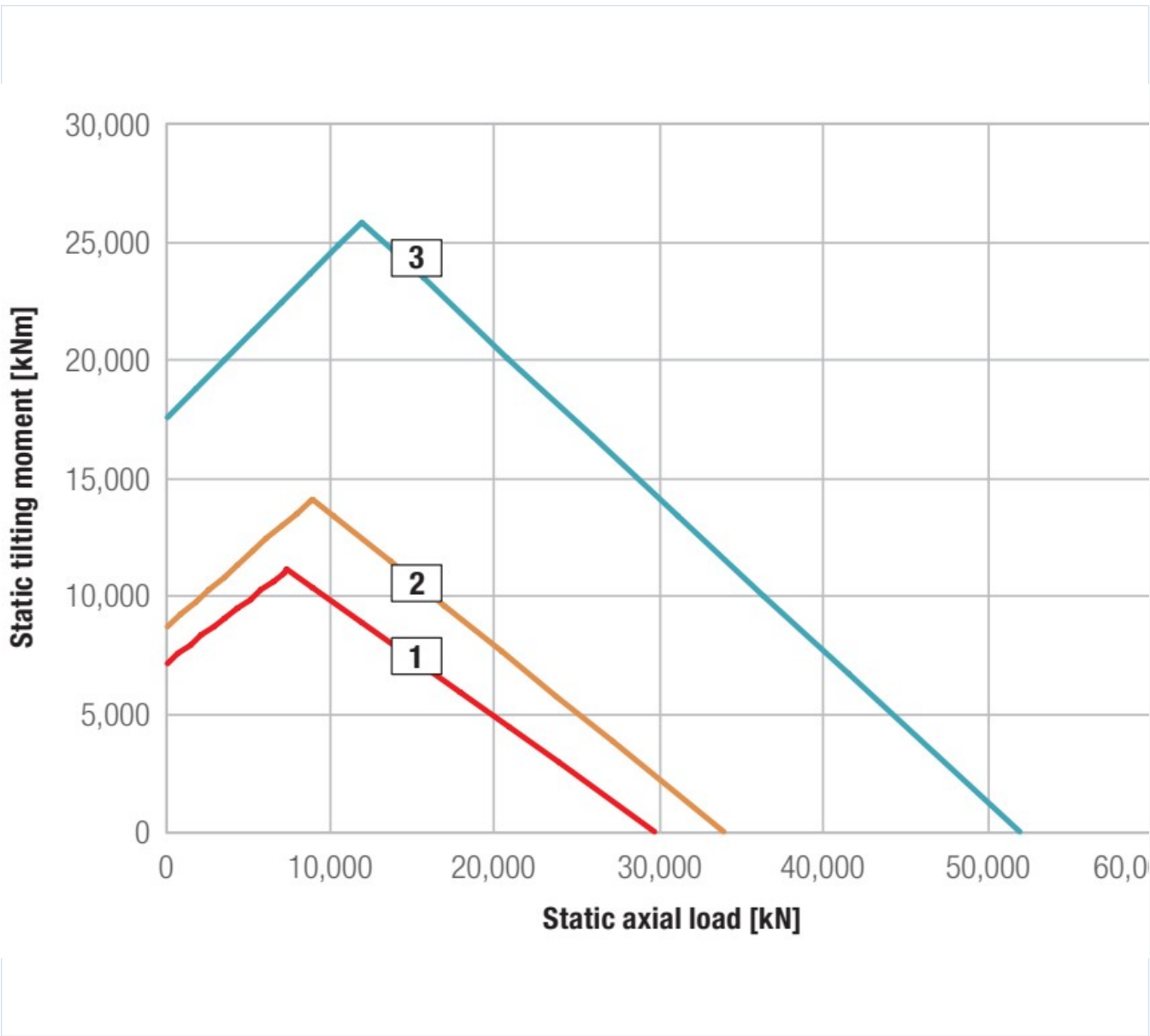
Complete Product Data

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-131-curve.webp SHA-256: f879cc23674d8d9533e0bf3d0d5ae31ecbcc7ef4a7870374e9d561efae b0e2a5
Outline Drawing	liebherr-page-131-drawing.webp SHA-256: c4dc701ffa269a34556bbbf91f50fad70bfdc8991fb99531717aa161ef e58484

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-131-curve.webp | SHA-256: f879cc23674d8d9533e0bf3d0d5ae31ecbcc7ef4a7870374e9d561efae0e2a5

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 HUVGK6IVKLIDCZWXSBLASJFHZ	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 131 Printed page 131
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

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

Product page:
<https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/liebherr/rod02578-032da15-900-000/>

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