

Factory-Verified Replacement

MERYDOM ROD02800-032DA15-900-000

Certified for interchange with Liebherr ROD02800-032DA15-900-000. 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

ROD02800-032DA15-900-000

REFERENCE

Liebherr ROD02800-032DA15-900-000

SERIES

ROD_32_DA Series

STRUCTURE

Rolos de tr s carreiras

OVERALL OD

3,136 mm

OVERALL ID

2,582 mm

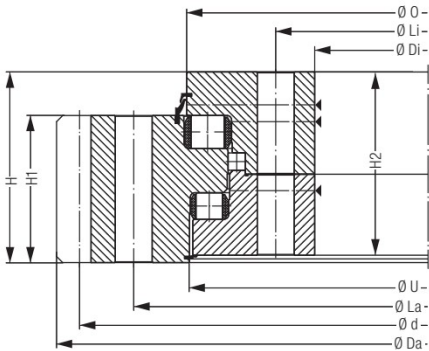
OVERALL HEIGHT

181 mm

GEAR

Engrenagem externa

Published Technical Drawing



liebherr-page-138-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	ROD02800-032DA15-900-000
Certified interchangeable with	Liebherr ROD02800-032DA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	46TC3GBYG2BGP3JRXJJ6HT5Y53
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	ROD02800-032DA15-900-000
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Engrenagem externa
DIMENSION	
Mass (Weight)	2.576 kg
Overall outside diameter (Da)	3.136 mm
Overall inside diameter (Di)	2.582 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)	181 mm
Liebherr catalogue dimension O (O)	2.841 mm
Liebherr catalogue dimension U (U)	2.830 mm
Liebherr catalogue dimension H1 (H1)	139 mm
Liebherr catalogue dimension H2 (H2)	172 mm
MOUNTING	
Outer ring bolt circle (La)	2.955 mm
Inner ring bolt circle (Li)	2.660 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)	139 mm
PERFORMANCE	
Standard tooth force (Fz standard)	241,7 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	483,4 kN
Static load rating (Cstat)	32.989 kN
Dynamic load rating (Cdyn)	3.402 kN
PERFORMANCE RATINGS	
Rating Dynamic	3.402 kN Not simultaneous with other listed dynamic ratings
Rating Static	32.989 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	483,4 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	241,7 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	138
Printed page	138

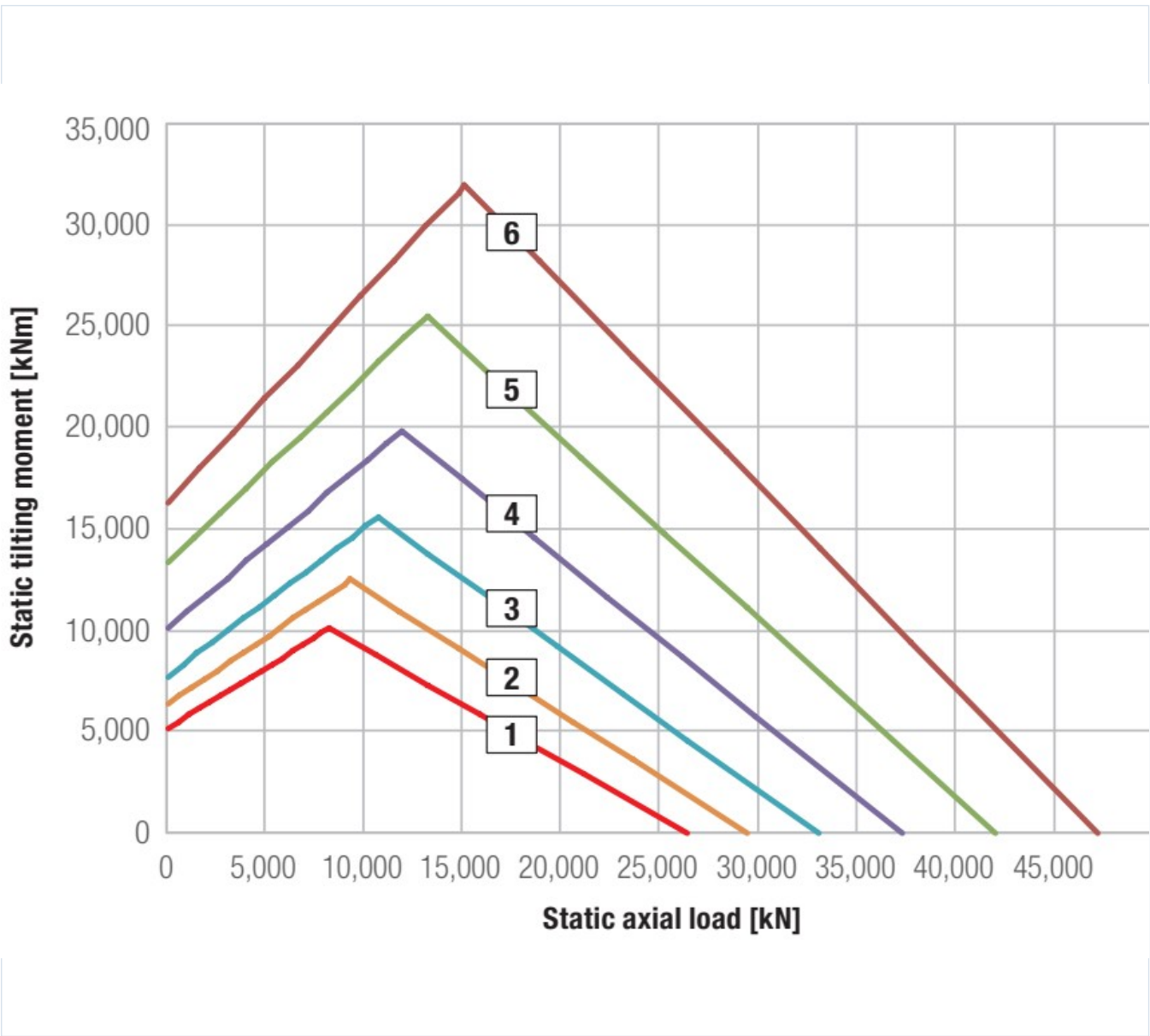
Complete Product Data

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-138-curve.webp SHA-256: b1622a13ed62b45e4a186e65029e20ac202b0e6214ef7e83f0da4d9920f107c1
Outline Drawing	liebherr-page-138-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-138-curve.webp | SHA-256: b1622a13ed62b45e4a186e65029e20ac202b0e6214ef7e83f0da4d9920f107c1

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 46TC3GBYG2BGP3JRXJJ6HT5Y53	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 138 Printed page 138
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/pt/produtos/rolamentos-de-giro-de-substituicao/liebherr/rod02800-032da15-900-000/>

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