Factory-Verified Replacement

MERYDOM ROD03550-050DA15-900-000

Certified for interchange with Liebherr ROD03550-050DA15-900-000. 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

ROD03550-050DA15-900-000

REFERENCE

Liebherr ROD03550-050DA15-900-000

SERIES

ROD_50_DA Series

STRUCTURE

s ral makaral

OVERALL OD

3,955.2 mm

OVERALL ID

3,285 mm

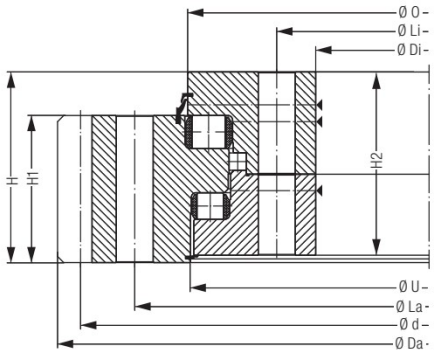
OVERALL HEIGHT

268 mm

GEAR

D tan di li

Published Technical Drawing



liebherr-page-140-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	ROD03550-050DA15-900-000
Certified interchangeable with	Liebherr ROD03550-050DA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JONVEESQU4ME7DPPO6O2UFHUSP
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_50_DA Series
Reference model	ROD03550-050DA15-900-000
Bearing structure	s ral makaral
Gear arrangement	D tan di li
DIMENSION	
Mass (Weight)	5 830 kg
Overall outside diameter (Da)	3 955,2 mm
Overall inside diameter (Di)	3 285 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	268 mm
Liebherr catalogue dimension O (O)	3 610 mm
Liebherr catalogue dimension U (U)	3 596 mm
Liebherr catalogue dimension H1 (H1)	203 mm
Liebherr catalogue dimension H2 (H2)	258 mm
MOUNTING	
Outer ring bolt circle (La)	3 750 mm
Inner ring bolt circle (Li)	3 375 mm
La/Li mounting-hole count (n)	54
Mounting fastener specification (M)	42
Liebherr catalogue count n1 (n1)	9
GEAR	
Gear pitch diameter (d)	3 888 mm
Gear module (m)	24 mm
Gear tooth count (z)	162
Addendum modification product x*m (x*m)	12 mm
Liebherr catalogue gear dimension k*m (k*m)	-2,4 mm
Gear face width (b)	203 mm
PERFORMANCE	
Standard tooth force (Fz standard)	423,6 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	847,2 kN
Static load rating (Cstat)	65 638 kN
Dynamic load rating (Cdyn)	6 985 kN
PERFORMANCE RATINGS	
Rating Dynamic	6 985 kN | Not simultaneous with other listed dynamic ratings
Rating Static	65 638 kN | Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	847,2 kN | Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	423,6 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	54 holes - 42
Inner ring mounting	54 holes - 42
GEAR INTERFACE	
Pitch system	module
Module reference	24 mm
Number of teeth	162
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	140
Printed page	140

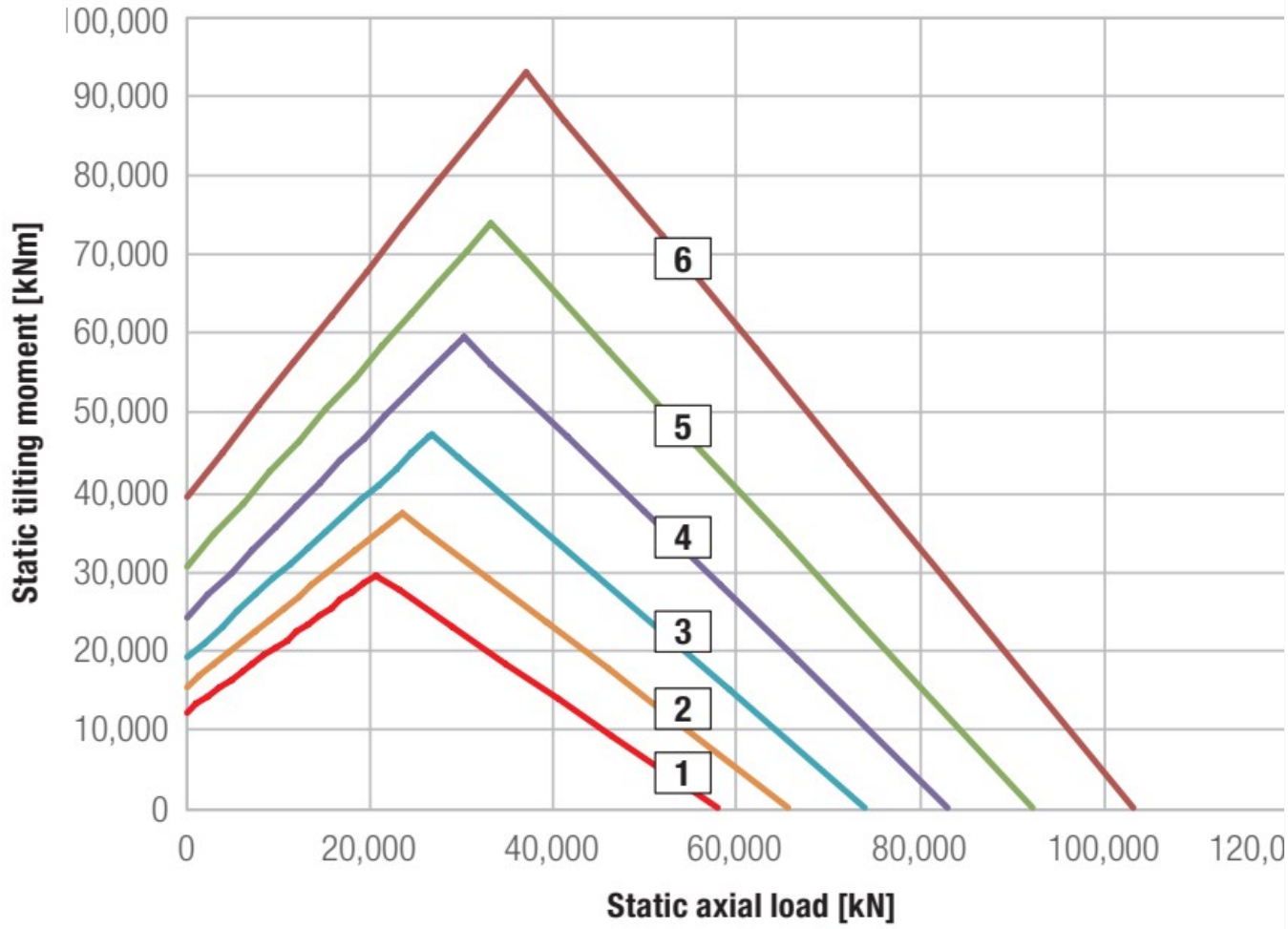
Complete Product Data

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-140-curve.webp | SHA-256: 0c65cc461bef30e426aeaebd1cabef81532429eaaecfb564ee8f935e5ddd668d
Outline Drawing	liebherr-page-140-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-140-curve.webp | SHA-256: 0c65cc461bef30e426aeaebd1cabef81532429eaaecfb564ee8f935e5ddd668d

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

JONVEESQU4ME7DPPO6O2UFHUSP

SOURCE DOCUMENT

LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018

SOURCE FILE

liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf

SOURCE LOCATION

PDF page 140 | Printed page 140

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/tr/urunler/muadil-doner-tabla-rulmanlari/liebherr/rod03550-050da15-900-000/