

Factory-Verified Replacement

MERYDOM RKD05600-050ZA15-900-000

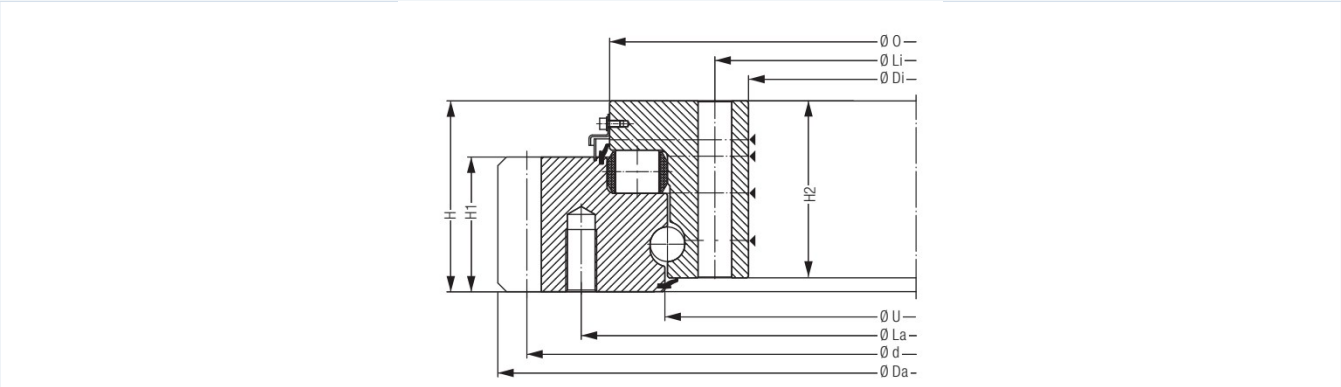
Certified for interchange with Liebherr RKD05600-050ZA15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
RKD05600-050ZA15-900-000	Liebherr RKD05600-050ZA15-900-000
SERIES	STRUCTURE
RKD_50_ZA Series	Makaral /bilyal kombinasyon
OVERALL OD	OVERALL ID
5,923.2 mm	5,342 mm
OVERALL HEIGHT	GEAR
221 mm	D tan di li

Published Technical Drawing



liebherr-page-152-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	RKD05600-050ZA15-900-000
Certified interchangeable with	Liebherr RKD05600-050ZA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	TWY76DCKXIXOW4P5ZXECXNYO5K
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	RKD_50_ZA Series
Reference model	RKD05600-050ZA15-900-000
Bearing structure	Makara /bilya kombinasyon
Gear arrangement	D tan di li
DIMENSION	
Mass (Weight)	6 397 kg
Overall outside diameter (Da)	5 923,2 mm
Overall inside diameter (Di)	5 342 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	221 mm
Liebherr catalogue dimension O (O)	5 668 mm
Liebherr catalogue dimension U (U)	5 540 mm
Liebherr catalogue dimension H1 (H1)	156 mm
Liebherr catalogue dimension H2 (H2)	205 mm
MOUNTING	
Outer ring bolt circle (La)	5 730 mm
Inner ring bolt circle (Li)	5 420 mm
La/Li mounting-hole count (n)	90
Mounting fastener specification (M)	36
Liebherr catalogue count n1 (n1)	18
GEAR	
Gear pitch diameter (d)	5 856 mm
Gear module (m)	24 mm
Gear tooth count (z)	244
Addendum modification product x^*m (x^*m)	12 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-2,4 mm
Gear face width (b)	156 mm
PERFORMANCE	
Standard tooth force (Fz standard)	325,5 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	651 kN
Static load rating (Cstat)	103 430 kN
Dynamic load rating (Cdyn)	8 877 kN
PERFORMANCE RATINGS	
Rating Dynamic	8 877 kN Not simultaneous with other listed dynamic ratings
Rating Static	103 430 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	651 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	325,5 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	90 holes - 36
Inner ring mounting	90 holes - 36
GEAR INTERFACE	
Pitch system	module
Module reference	24 mm
Number of teeth	244
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	152
Printed page	152

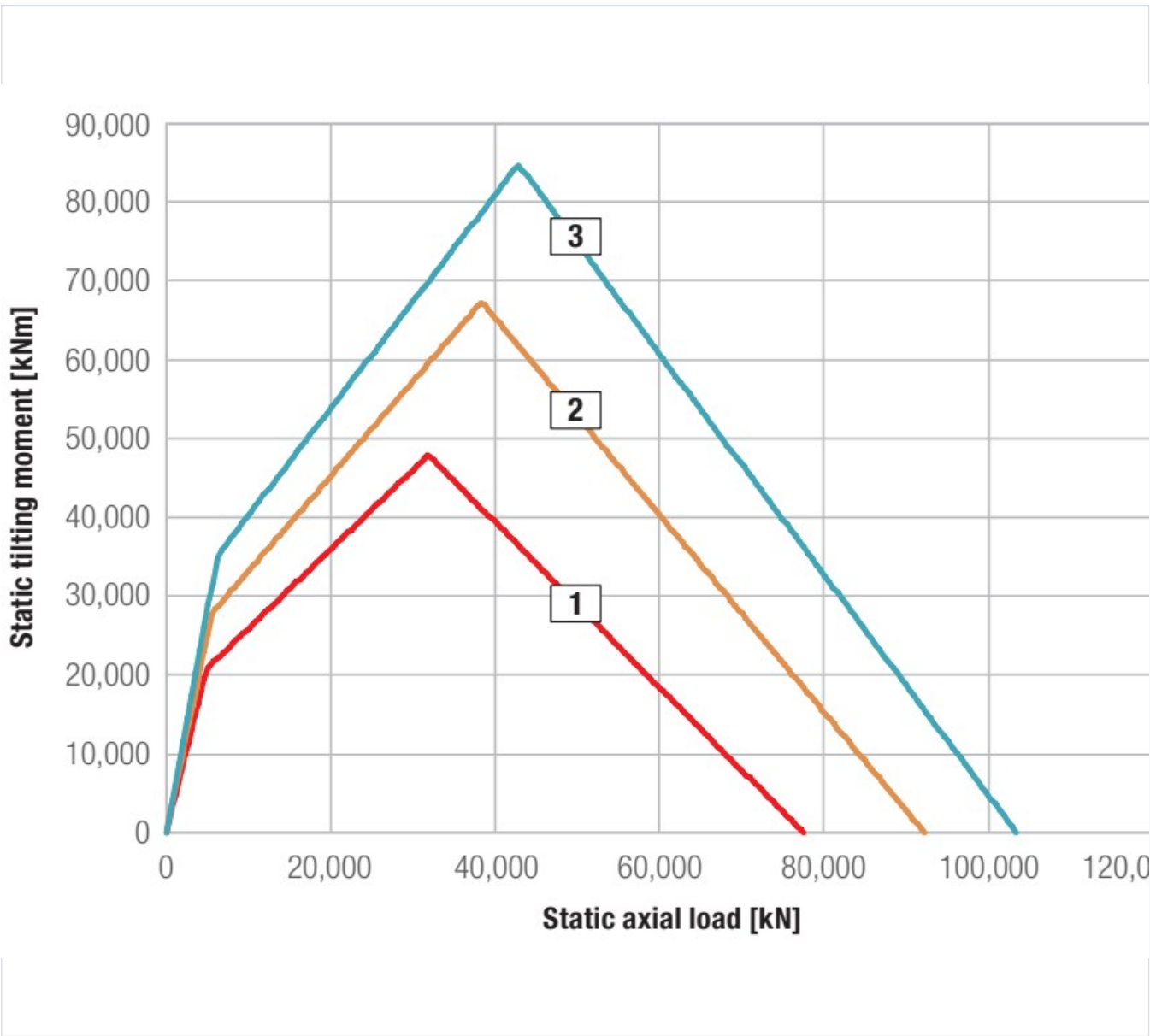
Complete Product Data

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-152-curve.webp SHA-256: 6903e2bdafffae2eb45d3f096ece945520ae58723cd0a251ac932abf33f183dc
Outline Drawing	liebherr-page-152-drawing.webp SHA-256: 68d72cf1ccc862387afc1b4b5fd626a35444b2f3f2281e8eda672287897546ad

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-152-curve.webp | SHA-256: 6903e2bdaffae2eb45d3f096ece945520ae58723cd0a251ac932abf33f183dc

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 TWY76DCKXIXOW4P5ZXECXNYO5K	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 152 Printed page 152
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/rkd05600-050za15-900-000/>

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