

Factory-Verified Replacement

MERYDOM KUD02355-050VA15-900-000

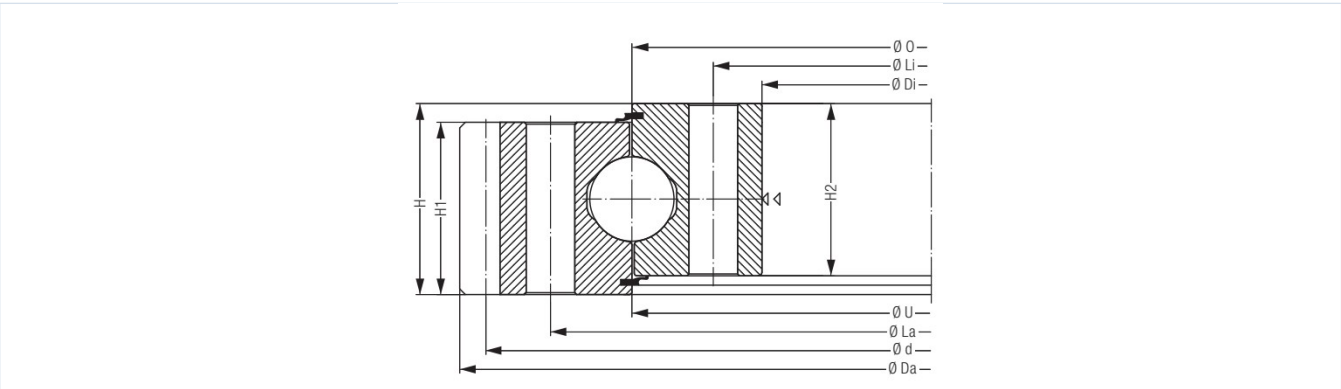
Certified for interchange with Liebherr KUD02355-050VA15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
KUD02355-050VA15-900-000	Liebherr KUD02355-050VA15-900-000
SERIES	STRUCTURE
KUD_50_VA Series	Esferas de contato de quatro pontos
OVERALL OD	OVERALL ID
2,604.8 mm	2,184 mm
OVERALL HEIGHT	GEAR
109 mm	Engrenagem externa

Published Technical Drawing



liebherr-page-083-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	KUD02355-050VA15-900-000
Certified interchangeable with	Liebherr KUD02355-050VA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	H3E6LKOC3ODDC4KNCACREGDNLE
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	KUD_50_VA Series
Reference model	KUD02355-050VA15-900-000
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem externa
DIMENSION	
Mass (Weight)	1.024 kg
Overall outside diameter (Da)	2.604,8 mm
Overall inside diameter (Di)	2.184 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	109 mm
Liebherr catalogue dimension O (O)	2.355 mm
Liebherr catalogue dimension U (U)	2.355 mm
Liebherr catalogue dimension H1 (H1)	100 mm
Liebherr catalogue dimension H2 (H2)	99 mm
MOUNTING	
Outer ring bolt circle (La)	2.460 mm
Inner ring bolt circle (Li)	2.250 mm
La/Li mounting-hole count (n)	54
Mounting fastener specification (M)	30
Liebherr catalogue count n1 (n1)	9
GEAR	
Gear pitch diameter (d)	2.560 mm
Gear module (m)	16 mm
Gear tooth count (z)	160
Addendum modification product x*m (x*m)	8 mm
Liebherr catalogue gear dimension k*m (k*m)	-1,6 mm
Gear face width (b)	100 mm
PERFORMANCE	
Standard tooth force (Fz standard)	146,8 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	293,6 kN
Static load rating (Cstat)	17.074 kN
Dynamic load rating (Cdyn)	1.291 kN
PERFORMANCE RATINGS	
Rating Dynamic	1.291 kN Not simultaneous with other listed dynamic ratings
Rating Static	17.074 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	293,6 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	146,8 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	54 holes - 30
Inner ring mounting	54 holes - 30
GEAR INTERFACE	
Pitch system	module
Module reference	16 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	83
Printed page	83

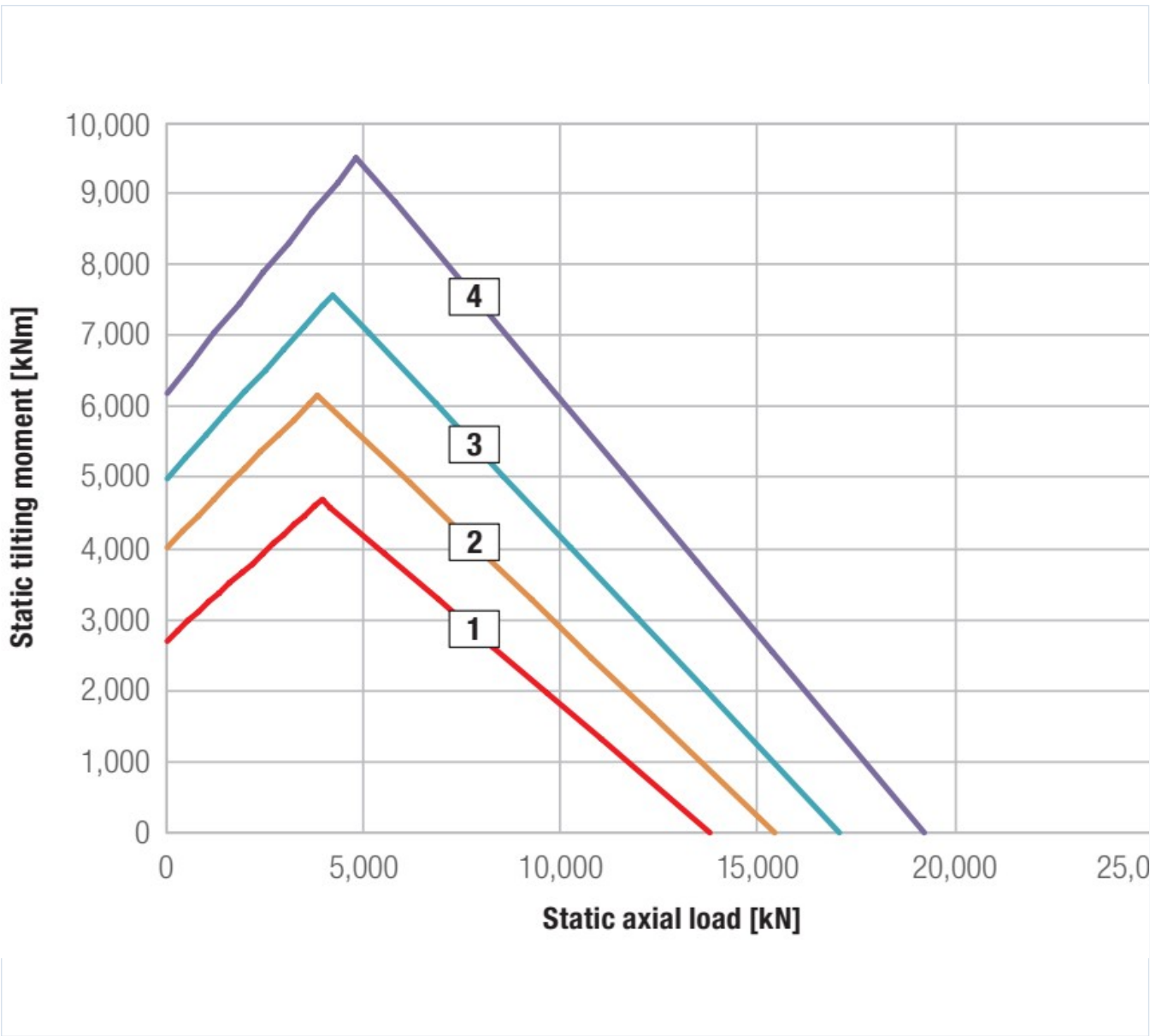
Complete Product Data

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-083-curve.webp SHA-256: e54860d808673e0817922157bfd87ee2c5710b6f3a2ce0e113e7ceebb6bf40a9
Outline Drawing	liebherr-page-083-drawing.webp SHA-256: db34e1504e6591931b5f3e1583fb348ba02ee25eefc0bb1683f460effedc2af2

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-083-curve.webp | SHA-256: e54860d808673e0817922157bfd87ee2c5710b6f3a2ce0e113e7ceebb6bf40a9

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

H3E6LKOC3ODDC4KNACREGDNLE

SOURCE FILE

liebherr-slewing-bearings-product-ca
talogue-pt-metric-web.pdf

VERIFICATION

Level 3 - MERYDOM Engineering
Verified

SOURCE DOCUMENT

LIEBHERR-SLEWING-BEARINGS-PRODUCT-CA
TALOGUE-2018

SOURCE LOCATION

PDF page 83 | Printed page 83

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/pt/produtos/rolamentos-de-giro-de-substituicao/liebherr/kud02355-050va15-900-000/>

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