

Factory-Verified Replacement

MERYDOM KUD02500-050VJ15-900-000

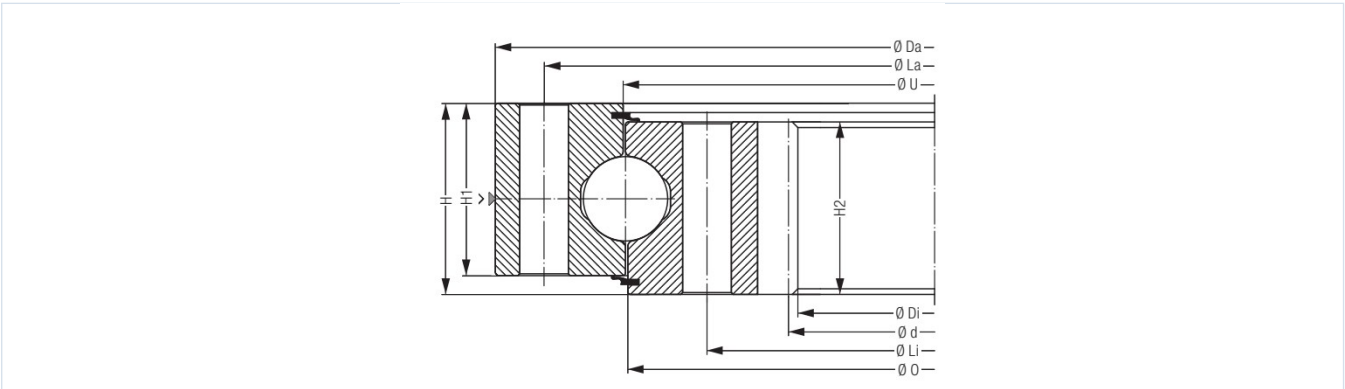
Certified for interchange with Liebherr KUD02500-050VJ15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
KUD02500-050VJ15-900-000	Liebherr KUD02500-050VJ15-900-000
SERIES	STRUCTURE
KUD_50_VJ Series	Four-point contact ball
OVERALL OD	OVERALL ID
2,676 mm	2,256.8 mm
OVERALL HEIGHT	GEAR
124 mm	Internal gear

Published Technical Drawing



liebherr-page-090-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	KUD02500-050VJ15-900-000
Certified interchangeable with	Liebherr KUD02500-050VJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	3LTLJTW6KVF2GDP33RI5ZKCQLO
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_VJ Series
Reference model	KUD02500-050VJ15-900-000
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (Weight)	1,180 kg
Overall outside diameter (Da)	2,676 mm
Overall inside diameter (Di)	2,256.8 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	124 mm
Liebherr catalogue dimension O (O)	2,500 mm
Liebherr catalogue dimension U (U)	2,500 mm
Liebherr catalogue dimension H1 (H1)	112 mm
Liebherr catalogue dimension H2 (H2)	112 mm
MOUNTING	
Outer ring bolt circle (La)	2,604 mm
Inner ring bolt circle (Li)	2,396 mm
La/Li mounting-hole count (n)	68
Mounting fastener specification (M)	33
Liebherr catalogue count n1 (n1)	10
GEAR	
Gear pitch diameter (d)	2,268 mm
Gear module (m)	14 mm
Gear tooth count (z)	162
Addendum modification product x^*m (x^*m)	-7 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1.4 mm
Gear face width (b)	112 mm
PERFORMANCE	
Standard tooth force (Fz standard)	134.92 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	287.85 kN
Static load rating (Cstat)	18,212 kN
Dynamic load rating (Cdyn)	1,324 kN
PERFORMANCE RATINGS	
Rating Dynamic	1,324 kN Not simultaneous with other listed dynamic ratings
Rating Static	18,212 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	287.85 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	134.92 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	68 holes - 33
Inner ring mounting	68 holes - 33
GEAR INTERFACE	
Pitch system	module
Module reference	14 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	90
Printed page	90

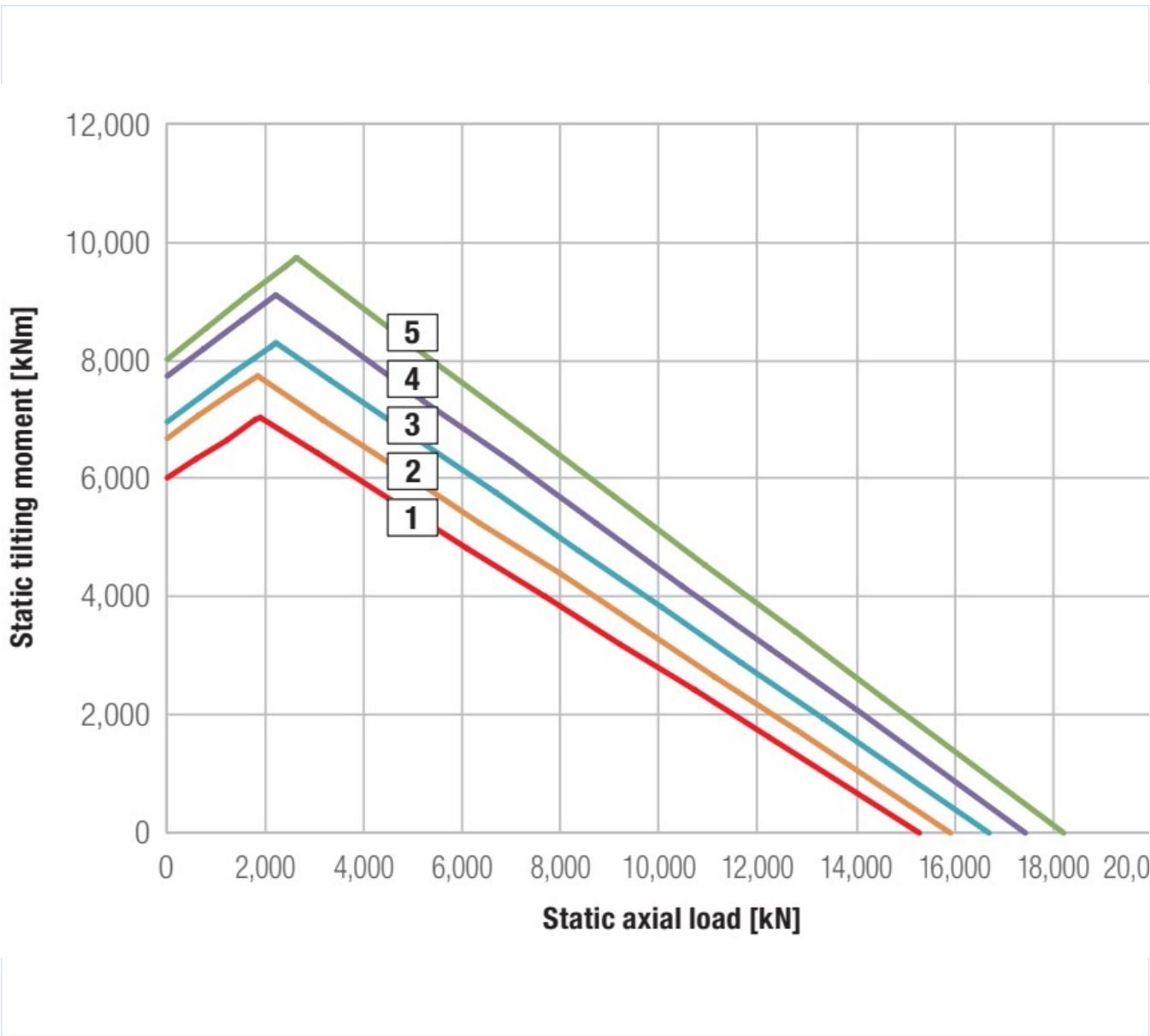
Complete Product Data

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-090-curve.webp SHA-256: ecec9742afab878aa355007f1e7748019fa17dff1c119841a49e415bd806525
Outline Drawing	liebherr-page-090-drawing.webp SHA-256: c61a522cce419e03c8a81f4be9e4233557a4e70ee81dd2c6e49546e8841b5271

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-090-curve.webp | SHA-256: ecec9742afab878aa355007f1e7748019fa17dff1c119841a49e415bd806525

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 3LTLJTW6KVF2GDP33RI5ZKCQLO	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 90 Printed page 90
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/products/slewing-bearing-replacements/liebherr/kud02500-050vj15-900-000/>

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