

Factory-Verified Replacement

MERYDOM KUD01524-025VA15-900-000

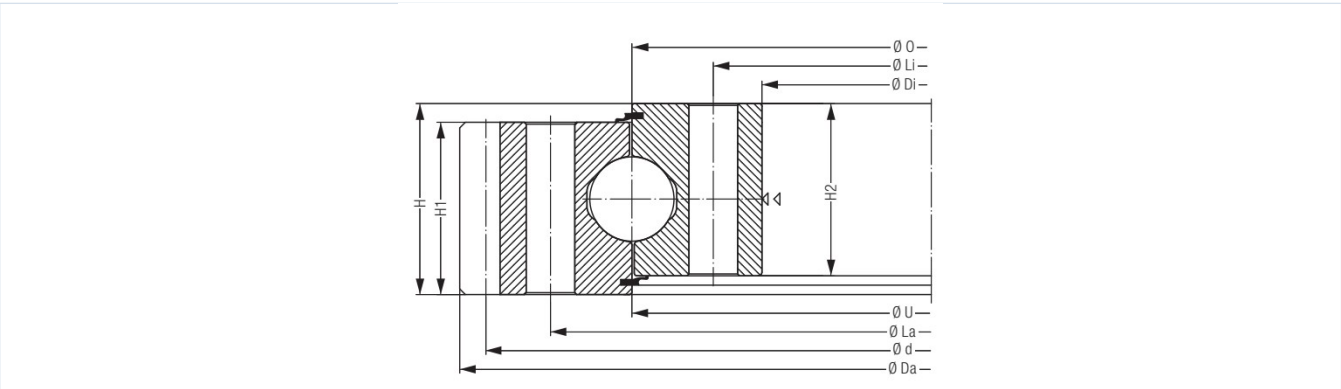
Certified for interchange with Liebherr KUD01524-025VA15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
KUD01524-025VA15-900-000	Liebherr KUD01524-025VA15-900-000
SERIES	STRUCTURE
KUD_25_VA Series	Four-point contact ball
OVERALL OD	OVERALL ID
1,672.3 mm	1,371.6 mm
OVERALL HEIGHT	GEAR
88.9 mm	External gear

Published Technical Drawing



liebherr-page-077-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	KUD01524-025VA15-900-000
Certified interchangeable with	Liebherr KUD01524-025VA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	EYMDOYMJ5B4RTMGJVCV6J4O3IC
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_25_VA Series
Reference model	KUD01524-025VA15-900-000
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Mass (Weight)	363.6 kg
Overall outside diameter (Da)	1,672.3 mm
Overall inside diameter (Di)	1,371.6 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	88.9 mm
Liebherr catalogue dimension O (O)	1,524 mm
Liebherr catalogue dimension U (U)	1,524 mm
Liebherr catalogue dimension H1 (H1)	76.2 mm
Liebherr catalogue dimension H2 (H2)	76.2 mm
MOUNTING	
Outer ring bolt circle (La)	1,593.85 mm
Inner ring bolt circle (Li)	1,441.45 mm
La/Li mounting-hole count (n)	44/48
Mounting fastener specification (M)	3/4 - 10 UNC
Liebherr catalogue count n1 (n1)	6
GEAR	
Gear pitch diameter (d)	1,656.08 mm
Diametral pitch (Pd)	2.5 1/in
Gear tooth count (z)	163
Gear face width (b)	76.2 mm
PERFORMANCE	
Standard tooth force (Fz standard)	42.46 kN
Maximum tooth force (Fz maximum)	84.92 kN
Static load rating (Cstat)	5,533 kN

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PERFORMANCE (CONTINUED)	
Dynamic load rating (Cdyn)	535 kN
PERFORMANCE RATINGS	
Rating Dynamic	535 kN Not simultaneous with other listed dynamic ratings
Rating Static	5,533 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	84.92 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	42.46 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	44 holes - 3/4" - 10 UNC
Inner ring mounting	48 holes - 3/4" - 10 UNC
GEAR INTERFACE	
Pitch system	DP
Diametral pitch	2.5 DP
Number of teeth	163
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	77
Printed page	77
Source language	EN
Original unit system	Mixed_metric_dp_threads

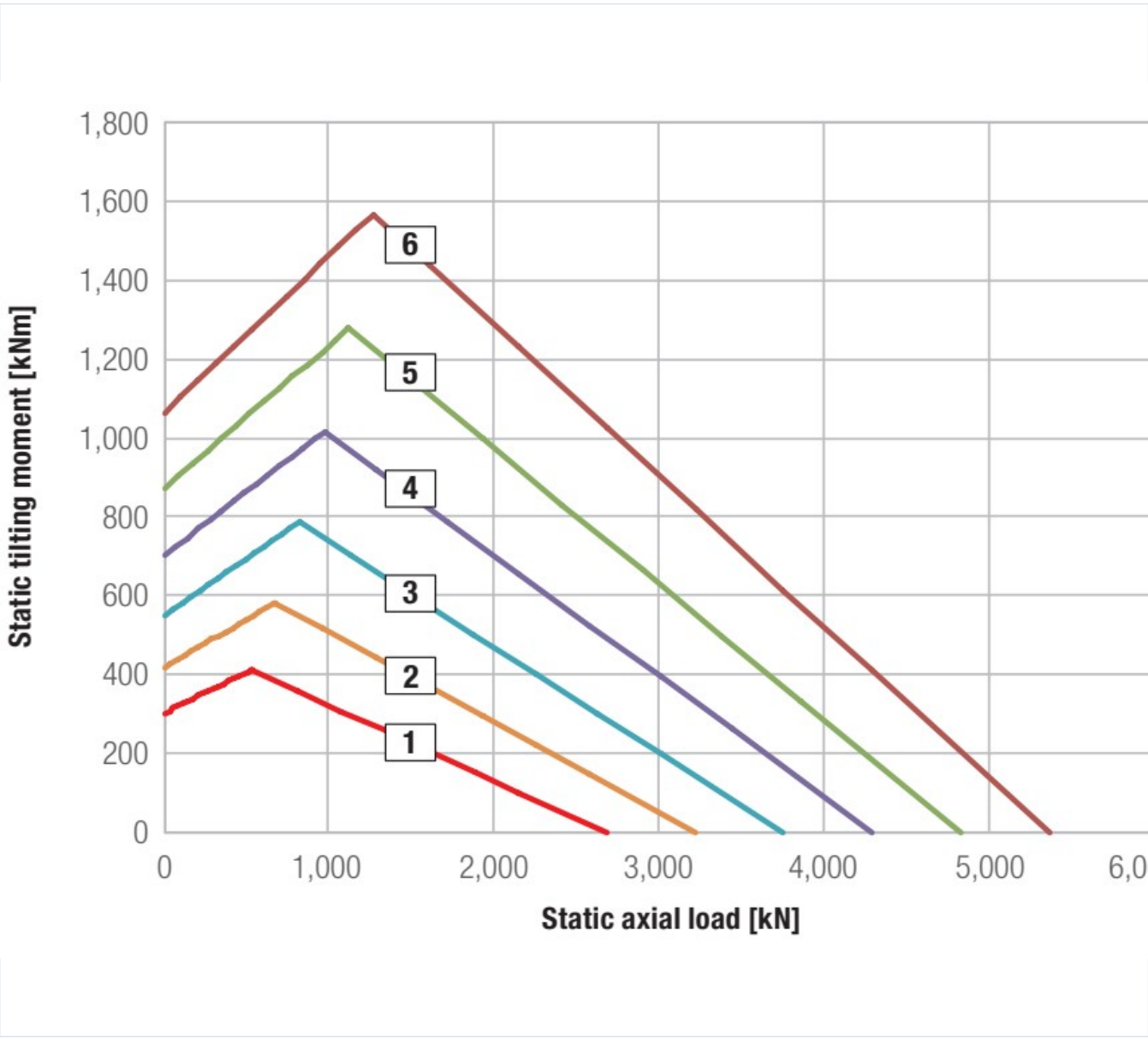
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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-077-curve.webp SHA-256: ee5240814a9e25ca26b469ccfac9d81fcc7a62e0cfb4e61d94ef6a4872efe32
Outline Drawing	liebherr-page-077-drawing.webp SHA-256: db34e1504e6591931b5f3e1583fb348ba02ee25eefc0bb1683f460effedc2af2

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-077-curve.webp | SHA-256: ee5240814a9e25ca26b469ccfac9d81fcc7a62e0cfb4e61d94ef6a4872efe32

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 EYMDOYMJ5B4RTMGJVCV6J4O3IC	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 77 Printed page 77
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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/liebherr/kud01524-025va15-900-000/>

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