

Factory-Verified Replacement

MERYDOM KUD02150-045VJ15-900-000

Certified for interchange with Liebherr KUD02150-045VJ15-900-000. 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

KUD02150-045VJ15-900-000

REFERENCE

Liebherr KUD02150-045VJ15-900-000

SERIES

KUD_45_VJ Series

STRUCTURE

D rt nokta temasl bilyal

OVERALL OD

2,311 mm

OVERALL ID

1,920.8 mm

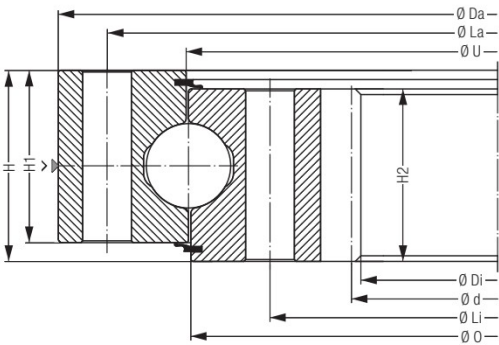
OVERALL HEIGHT

114 mm

GEAR

ten di li

Published Technical Drawing



liebherr-page-089-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	KUD02150-045VJ15-900-000
Certified interchangeable with	Liebherr KUD02150-045VJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	RM5HQ327G5SYM52HPTGMKLQIJA
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_45_VJ Series
Reference model	KUD02150-045VJ15-900-000
Bearing structure	D rt nokta temasl bilyal
Gear arrangement	ten di li
DIMENSION	
Mass (Weight)	861 kg
Overall outside diameter (Da)	2 311 mm
Overall inside diameter (Di)	1 920,8 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	114 mm
Liebherr catalogue dimension O (O)	2 150 mm
Liebherr catalogue dimension U (U)	2 150 mm
Liebherr catalogue dimension H1 (H1)	102 mm
Liebherr catalogue dimension H2 (H2)	102 mm
MOUNTING	
Outer ring bolt circle (La)	2 245 mm
Inner ring bolt circle (Li)	2 055 mm
La/Li mounting-hole count (n)	60
Mounting fastener specification (M)	30
Liebherr catalogue count n1 (n1)	8
GEAR	
Gear pitch diameter (d)	1 932 mm
Gear module (m)	14 mm
Gear tooth count (z)	138
Addendum modification product x^*m (x^*m)	-7 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1,4 mm
Gear face width (b)	102 mm
PERFORMANCE	
Standard tooth force (Fz standard)	131,07 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	262,14 kN
Static load rating (Cstat)	14 035 kN
Dynamic load rating (Cdyn)	1 120 kN
PERFORMANCE RATINGS	
Rating Dynamic	1 120 kN Not simultaneous with other listed dynamic ratings
Rating Static	14 035 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	262,14 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	131,07 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	60 holes - 30
Inner ring mounting	60 holes - 30
GEAR INTERFACE	
Pitch system	module
Module reference	14 mm
Number of teeth	138
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	89
Printed page	89

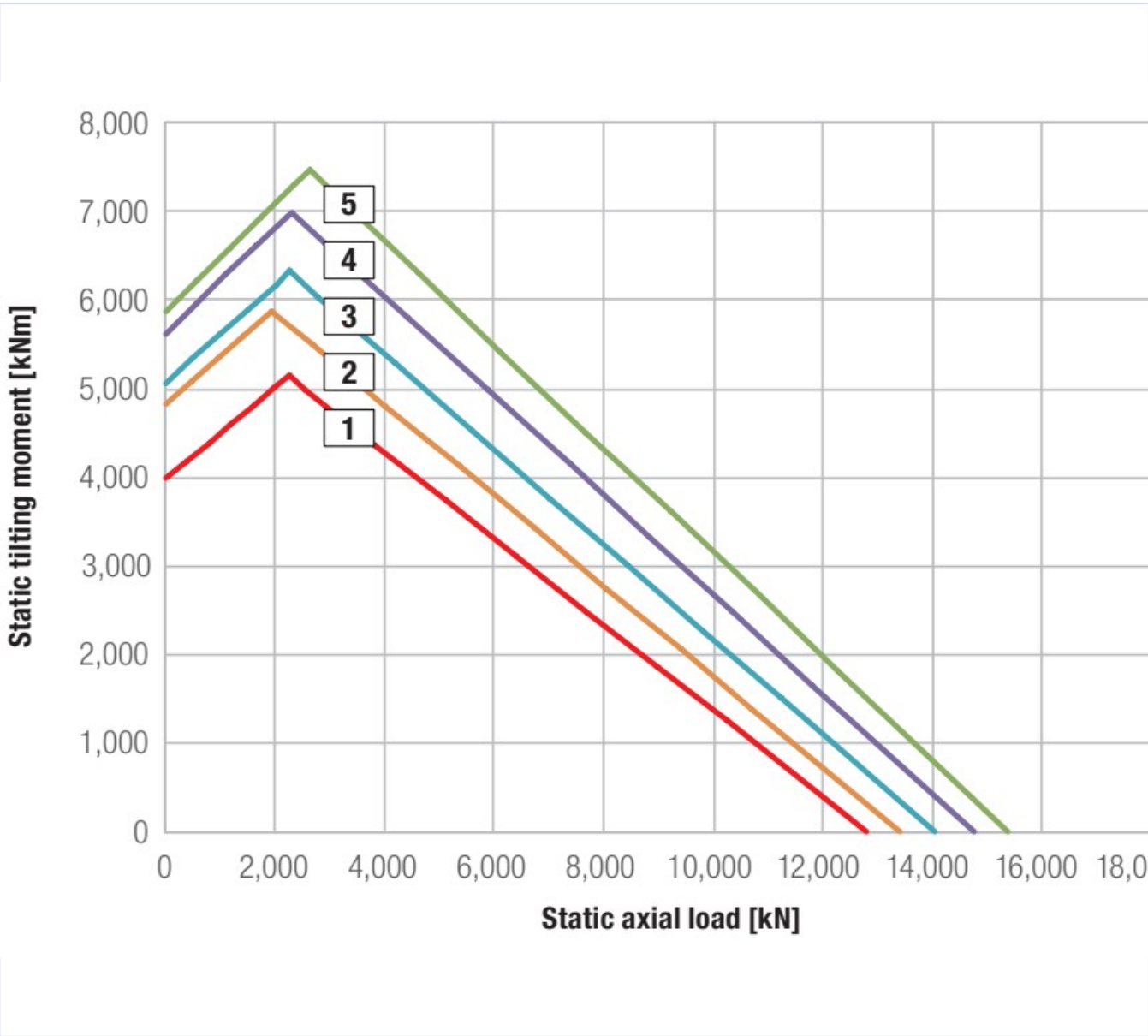
Complete Product Data

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-089-curve.webp SHA-256: e3da2fb36b8552d3e11eebcf04f16082db16932f87a622a12fd769efa5573534
Outline Drawing	liebherr-page-089-drawing.webp SHA-256: 309092ae3609de9172f8627cb28f5bbf35b037ac2dcb36c5ee54848749d8b83b

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-089-curve.webp | SHA-256: e3da2fb36b8552d3e11eebcf04f16082db16932f87a622a12fd769efa5573534

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

RM5HQ327G5SYM52HPTGMKLQIJA

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 89 | Printed page 89

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/tr/urunler/muadil-doner-tabla-rulmanlari/liebherr/kud02150-045vj15-900-000/>

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