

Factory-Verified Replacement

MERYDOM KUD01455-025VJ15-900-000

Certified for interchange with Liebherr KUD01455-025VJ15-900-000. 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

KUD01455-025VJ15-900-000

REFERENCE

Liebherr KUD01455-025VJ15-900-000

SERIES

KUD_25_VJ Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

1,555 mm

OVERALL ID

1,310 mm

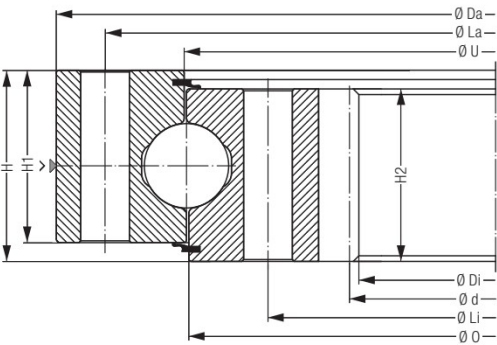
OVERALL HEIGHT

80 mm

GEAR

Engrenagem interna

Published Technical Drawing



liebherr-page-084-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	KUD01455-025VJ15-900-000
Certified interchangeable with	Liebherr KUD01455-025VJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	KGG6H6Z2IV46W5HKRKOXVFS3TF
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_VJ Series
Reference model	KUD01455-025VJ15-900-000
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (Weight)	229 kg
Overall outside diameter (Da)	1.555 mm
Overall inside diameter (Di)	1.310 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	80 mm
Liebherr catalogue dimension O (O)	1.455 mm
Liebherr catalogue dimension U (U)	1.455 mm
Liebherr catalogue dimension H1 (H1)	71 mm
Liebherr catalogue dimension H2 (H2)	54 mm
MOUNTING	
Outer ring bolt circle (La)	1.515 mm
Inner ring bolt circle (Li)	1.394 mm
La/Li mounting-hole count (n)	48
Mounting fastener specification (M)	20
Liebherr catalogue count n1 (n1)	6
GEAR	
Gear pitch diameter (d)	1.330 mm
Gear module (m)	10 mm
Gear tooth count (z)	133
Gear face width (b)	71 mm
PERFORMANCE	
Standard tooth force (Fz standard)	38,46 kN
Maximum tooth force (Fz maximum)	76,92 kN
Static load rating (Cstat)	5.154 kN

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PERFORMANCE (CONTINUED)	
Dynamic load rating (Cdyn)	518 kN
PERFORMANCE RATINGS	
Rating Dynamic	518 kN Not simultaneous with other listed dynamic ratings
Rating Static	5.154 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	76,92 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	38,46 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - 20
Inner ring mounting	48 holes - 20
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	133
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	84
Printed page	84
Source language	EN
Original unit system	Mixed_metric_dp_threads

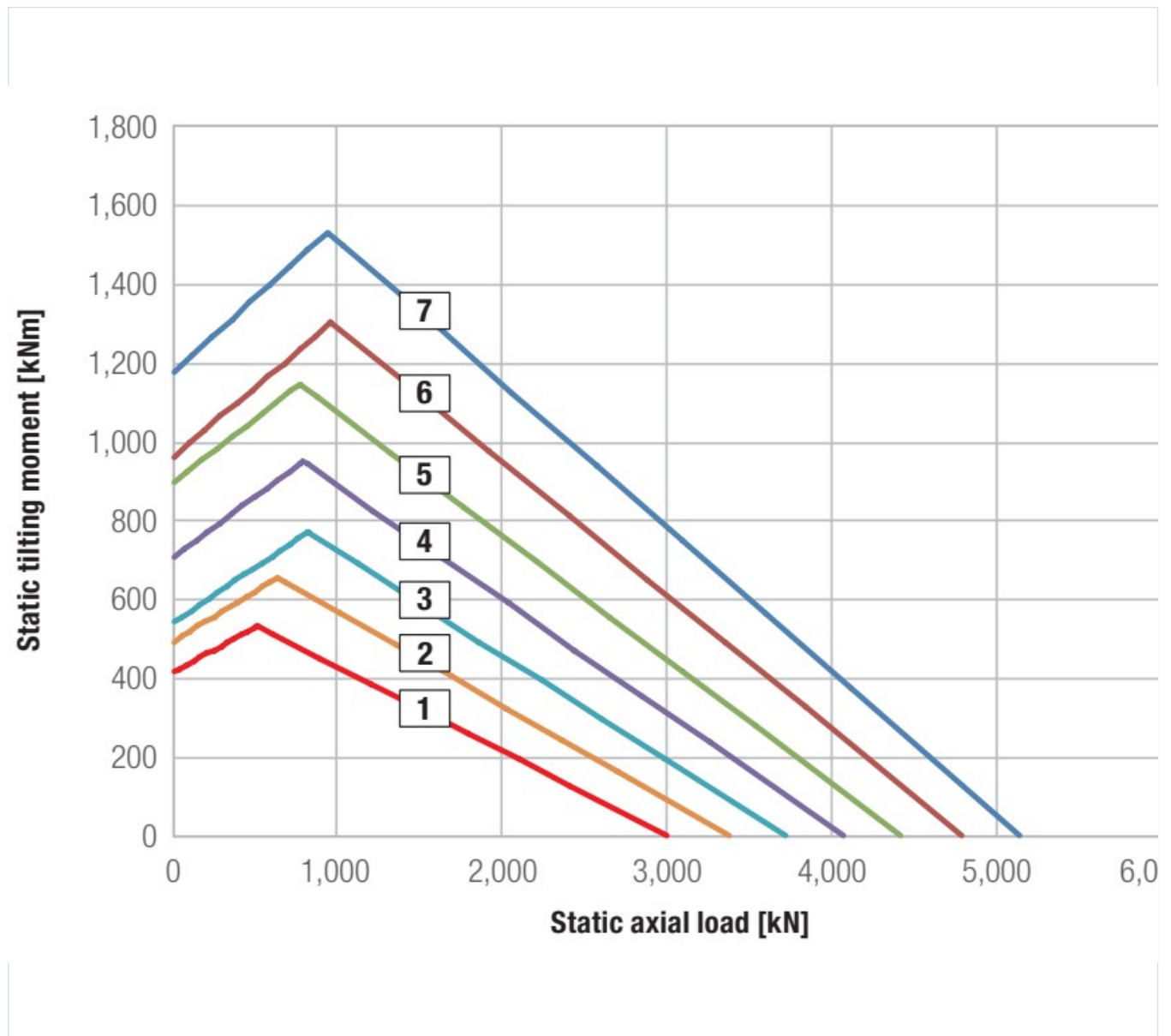
Complete Product Data

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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-084-curve.webp SHA-256: c08164f31eb1e0188dc6b19926c31f60495c576cceedfd9b42fdd1bb783685e1
Outline Drawing	liebherr-page-084-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-084-curve.webp | SHA-256: c08164f31eb1e0188dc6b19926c31f60495c576cceedfd9b42fdd1bb783685e1

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 KGG6H6Z2IV46W5HKRKOXVFS3TF	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CA TALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-ca talogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 84 Printed page 84
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/pt/produtos/rolamentos-de-giro-de-substituicao/liebherr/kud01455-025vj15-900-000/>

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