

Factory-Verified Replacement

MERYDOM KUD01455-025VA15-900-000

Certified for interchange with Liebherr KUD01455-025VA15-900-000. 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

KUD01455-025VA15-900-000

REFERENCE

Liebherr KUD01455-025VA15-900-000

SERIES

KUD_25_VA Series

STRUCTURE

Four-point contact ball

OVERALL OD

1,598.2 mm

OVERALL ID

1,355 mm

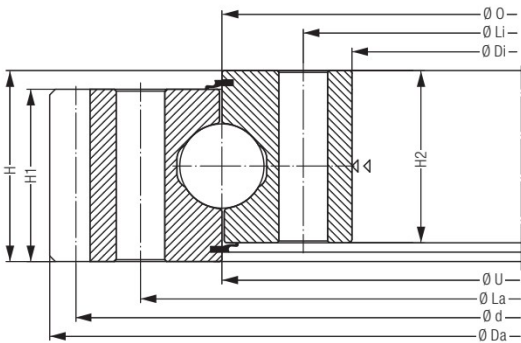
OVERALL HEIGHT

80 mm

GEAR

External gear

Published Technical Drawing



liebherr-page-076-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	KUD01455-025VA15-900-000
Certified interchangeable with	Liebherr KUD01455-025VA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	MHUKVR6D6MBONQ672FECCSKIFL
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	KUD01455-025VA15-900-000
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Mass (Weight)	236 kg
Overall outside diameter (Da)	1,598.2 mm
Overall inside diameter (Di)	1,355 mm

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.

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)	1,516 mm
Inner ring bolt circle (Li)	1,395 mm
La/Li mounting-hole count (n)	48
Mounting fastener specification (M)	20
Liebherr catalogue count n1 (n1)	6
GEAR	
Gear pitch diameter (d)	1,580 mm
Gear module (m)	10 mm
Gear tooth count (z)	158
Liebherr catalogue gear dimension k*m (k*m)	-1 mm
Gear face width (b)	71 mm
PERFORMANCE	
Standard tooth force (Fz standard)	36.92 kN
Maximum tooth force (Fz maximum)	73.84 kN

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.

PERFORMANCE (CONTINUED)	
Static load rating (Cstat)	5,154 kN
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	73.84 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	36.92 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	158
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	76
Printed page	76
Source language	EN

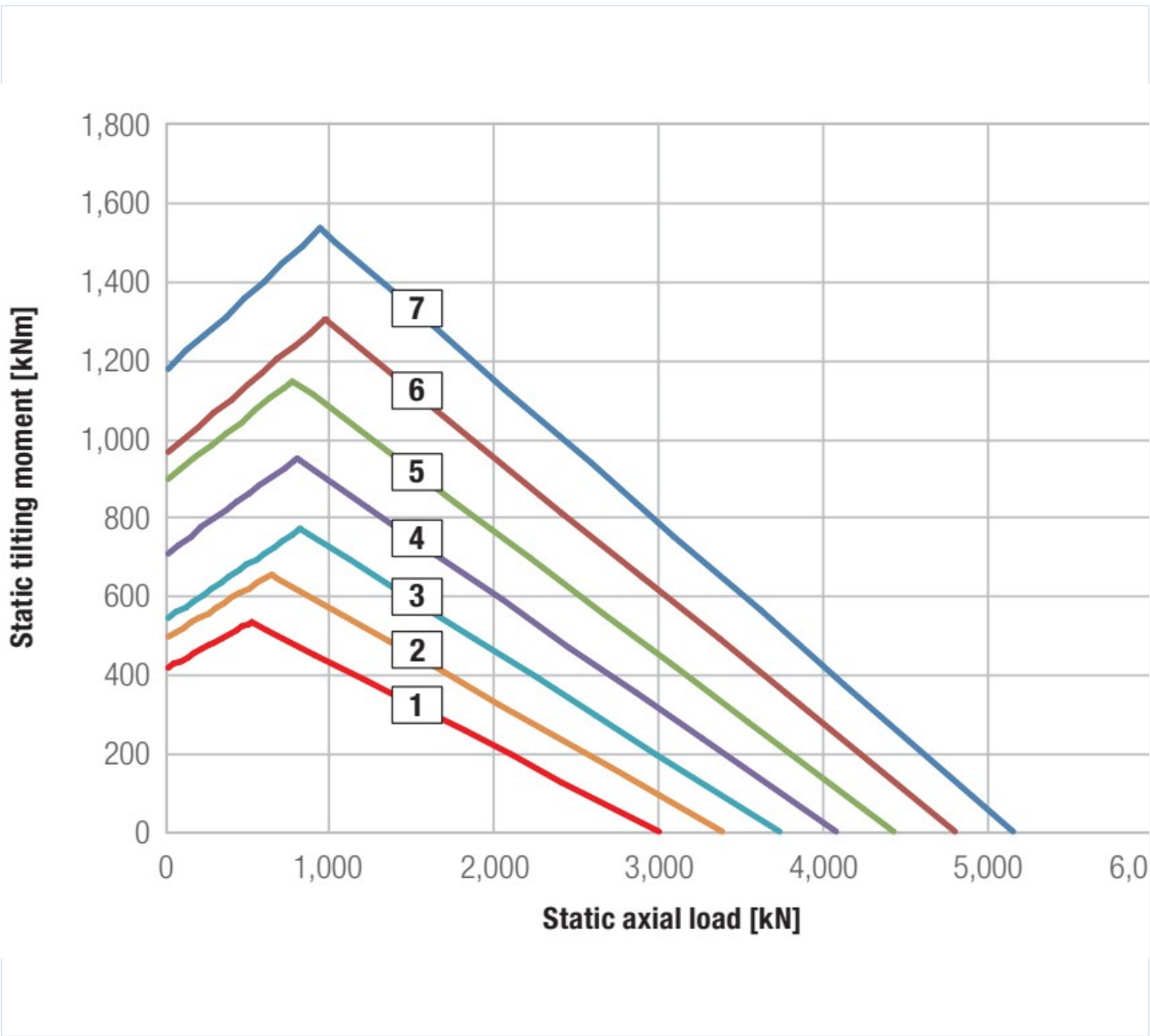
Complete Product Data

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)	
Original unit system	Mixed_metric_dp_threads
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-076-curve.webp SHA-256: 4141b005222c2f7ea22eb6c1a4f5be95310624c7297e05ddf492de7f23c21166
Outline Drawing	liebherr-page-076-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-076-curve.webp | SHA-256: 4141b005222c2f7ea22eb6c1a4f5be95310624c7297e05ddf492de7f23c21166

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 MHUKVR6D6MBONQ672FECCSKIFL	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 76 Printed page 76
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/kud01455-025va15-900-000/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.