

Factory-Verified Replacement

MERYDOM KUD01800-040VO15-900-000

Certified for interchange with Liebherr KUD01800-040VO15-900-000. 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

KUD01800-040VO15-900-000

REFERENCE

Liebherr KUD01800-040VO15-900-000

SERIES

KUD_40_VO Series

STRUCTURE

Four-point contact ball

OVERALL OD

1,945 mm

OVERALL ID

1,655 mm

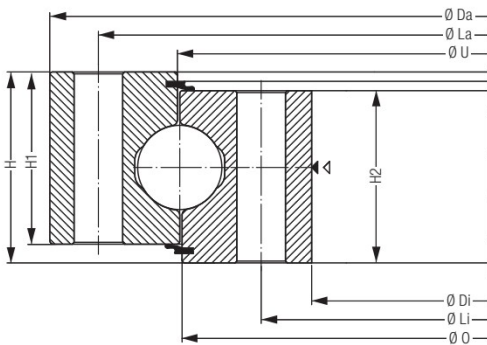
OVERALL HEIGHT

104 mm

GEAR

Ungeared

Published Technical Drawing



liebherr-page-096-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	KUD01800-040VO15-900-000
Certified interchangeable with	Liebherr KUD01800-040VO15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	BOS3RQNDPCBOG5IO2N2UPDCSPYN
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_40_VO Series
Reference model	KUD01800-040VO15-900-000
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Mass (Weight)	516 kg
Overall outside diameter (Da)	1,945 mm
Overall inside diameter (Di)	1,655 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)	104 mm
Liebherr catalogue dimension O (O)	1,800 mm
Liebherr catalogue dimension U (U)	1,800 mm
Liebherr catalogue dimension H1 (H1)	92 mm
Liebherr catalogue dimension H2 (H2)	92 mm
MOUNTING	
Outer ring bolt circle (La)	1,885 mm
Inner ring bolt circle (Li)	1,715 mm
La/Li mounting-hole count (n)	52
Mounting fastener specification (M)	27
Liebherr catalogue count n1 (n1)	7
PERFORMANCE	
Static load rating (Cstat)	10,442 kN
Dynamic load rating (Cdyn)	929 kN
PERFORMANCE RATINGS	
Rating Dynamic	929 kN Not simultaneous with other listed dynamic ratings
Rating Static	10,442 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	52 holes - 27
Inner ring mounting	52 holes - 27

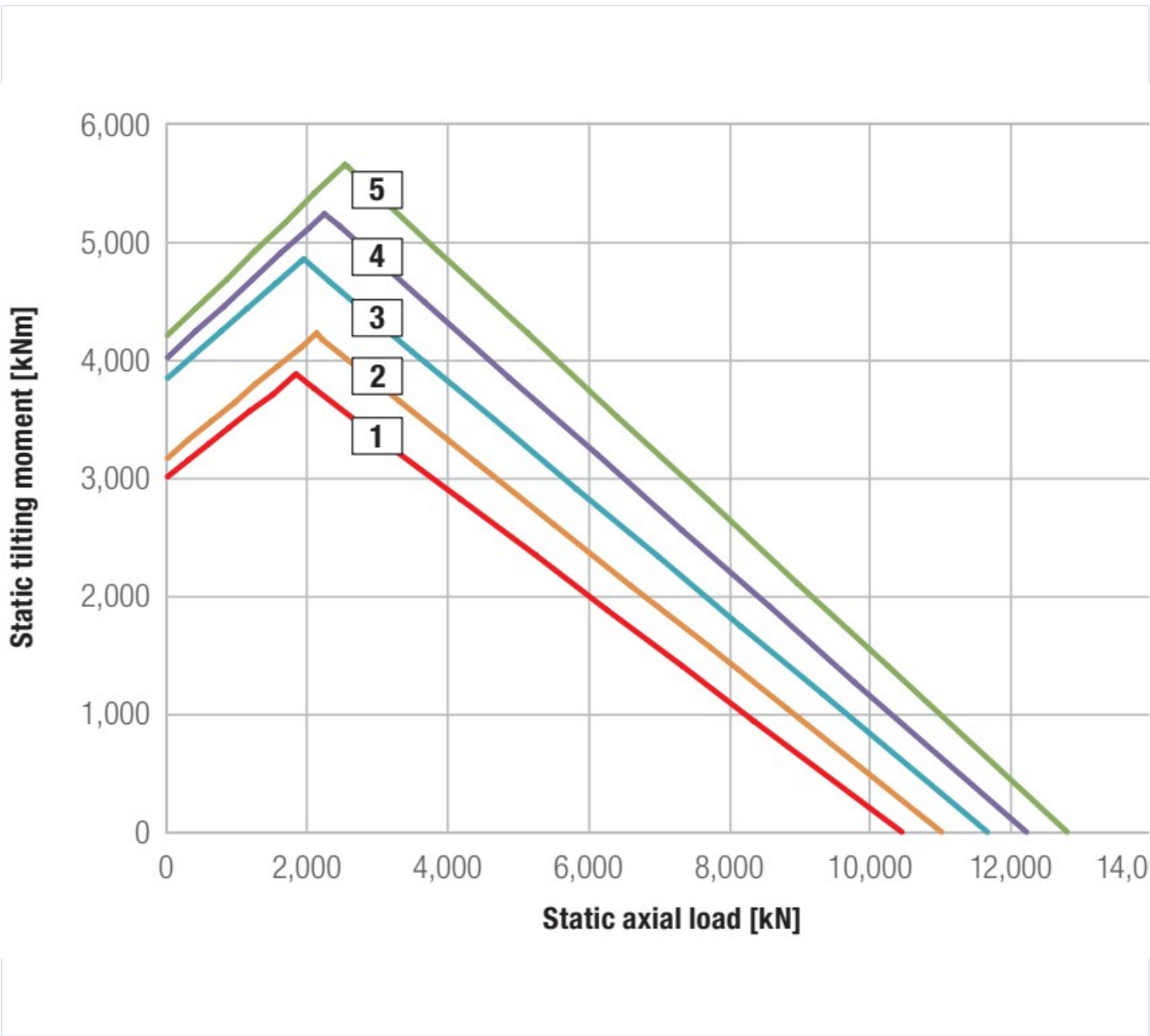
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	96
Printed page	96
Source language	EN
Original unit system	Mixed_metric_dp_threads
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-096-curve.webp SHA-256: 4f26686c9d5bc6b26908f6a06409de21e4377262ab1f52b4f7ae9d348b42e664
Outline Drawing	liebherr-page-096-drawing.webp SHA-256: 25da85435c5b8f27bd6eaf320c6127ebc7c47c3a0deedc848b18ceaca59a4215

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-096-curve.webp | SHA-256: 4f26686c9d5bc6b26908f6a06409de21e4377262ab1f52b4f7ae9d348b42e664

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

BOS3RQND CBOG5IO2N2UPDCSPYN

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 96 | Printed page 96

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/kud01800-040vo15-900-000/>

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