

Factory-Verified Replacement

MERYDOM KUD01600-030VJ15-900-000

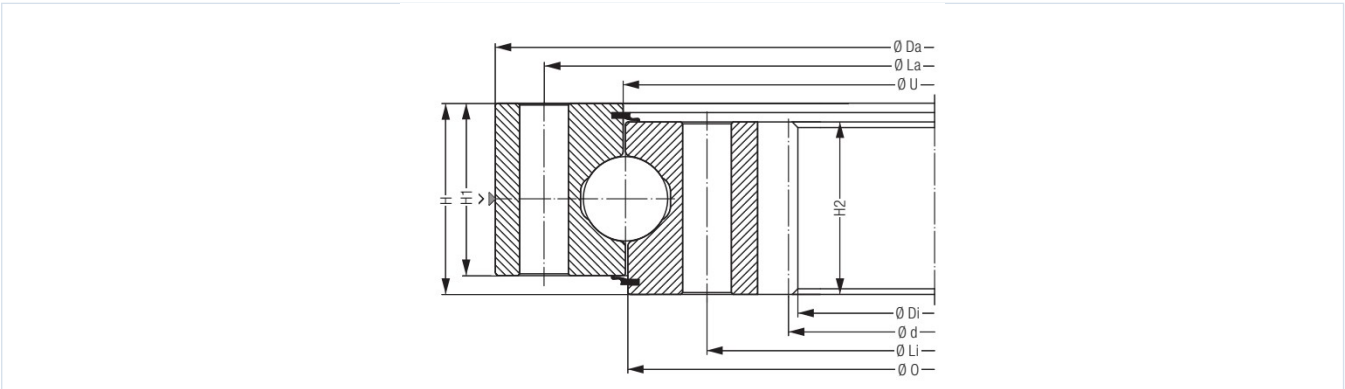
Certified for interchange with Liebherr KUD01600-030VJ15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
KUD01600-030VJ15-900-000	Liebherr KUD01600-030VJ15-900-000
SERIES	STRUCTURE
KUD_30_VJ Series	Four-point contact ball
OVERALL OD	OVERALL ID
1,708 mm	1,430.4 mm
OVERALL HEIGHT	GEAR
84 mm	Internal gear

Published Technical Drawing



liebherr-page-086-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	KUD01600-030VJ15-900-000
Certified interchangeable with	Liebherr KUD01600-030VJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JUDMDIXVXUMKXVBXOHP5G2ZF4
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_30_VJ Series
Reference model	KUD01600-030VJ15-900-000
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (Weight)	327 kg
Overall outside diameter (Da)	1,708 mm
Overall inside diameter (Di)	1,430.4 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)	84 mm
Liebherr catalogue dimension O (O)	1,600 mm
Liebherr catalogue dimension U (U)	1,600 mm
Liebherr catalogue dimension H1 (H1)	72 mm
Liebherr catalogue dimension H2 (H2)	72 mm
MOUNTING	
Outer ring bolt circle (La)	1,664 mm
Inner ring bolt circle (Li)	1,536 mm
La/Li mounting-hole count (n)	48
Mounting fastener specification (M)	20
Liebherr catalogue count n1 (n1)	6
GEAR	
Gear pitch diameter (d)	1,440 mm
Gear module (m)	12 mm
Gear tooth count (z)	120
Addendum modification product x^*m (x^*m)	-6 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1.2 mm
Gear face width (b)	72 mm
PERFORMANCE	
Standard tooth force (Fz standard)	79.3 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)	
Maximum tooth force (Fz maximum)	158.61 kN
Static load rating (Cstat)	6,966 kN
Dynamic load rating (Cdyn)	662 kN
PERFORMANCE RATINGS	
Rating Dynamic	662 kN Not simultaneous with other listed dynamic ratings
Rating Static	6,966 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	158.61 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	79.3 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	12 mm
Number of teeth	120
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	86
Printed page	86

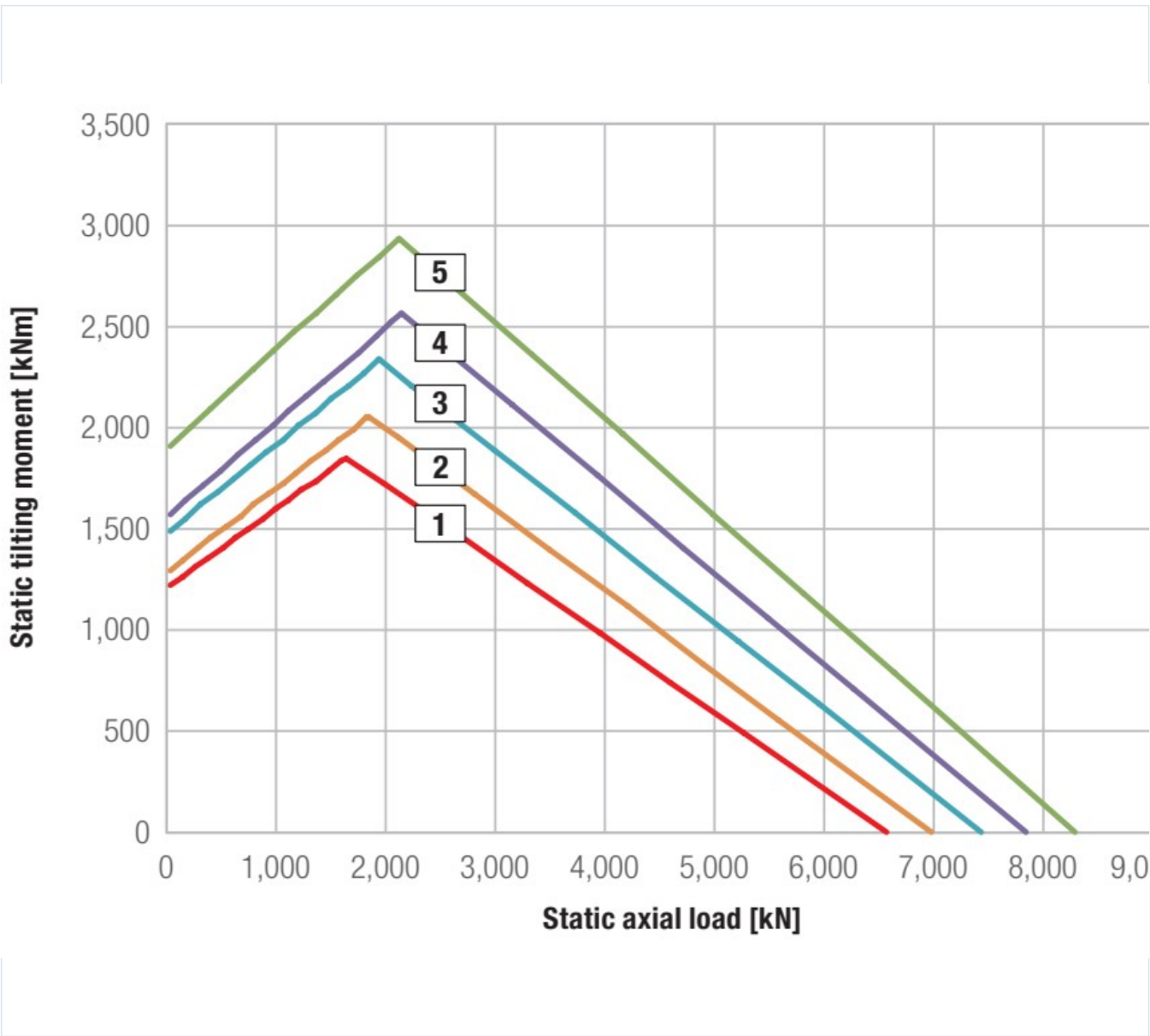
Complete Product Data

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-086-curve.webp SHA-256: d2a3752d874f5672d7c19a07e6a8c376c4d1c01ba224a3dd05d78492d805747e
Outline Drawing	liebherr-page-086-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-086-curve.webp | SHA-256: d2a3752d874f5672d7c19a07e6a8c376c4d1c01ba224a3dd05d78492d805747e

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

JUDMDIXVXUMKXVBXOHP5G2ZF4

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 86 | Printed page 86

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/kud01600-030vj15-900-000/>

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.