

Factory-Verified Replacement

MERYDOM KUD01440-030ZA15-900-000

Certified for interchange with Liebherr KUD01440-030ZA15-900-000. 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

KUD01440-030ZA15-900-000

REFERENCE

Liebherr KUD01440-030ZA15-900-000

SERIES

KUD_30_ZA Series

STRUCTURE

Double-row ball

OVERALL OD

1,653.6 mm

OVERALL ID

1,320 mm

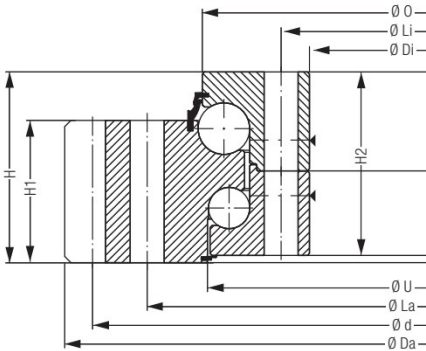
OVERALL HEIGHT

120 mm

GEAR

External gear

Published Technical Drawing



liebherr-page-102-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	KUD01440-030ZA15-900-000
Certified interchangeable with	Liebherr KUD01440-030ZA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	DXKGMHKSQHHKTSQ27KEAC5QOF7
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_ZA Series
Reference model	KUD01440-030ZA15-900-000
Bearing structure	Double-row ball
Gear arrangement	External gear
DIMENSION	
Mass (Weight)	520 kg
Overall outside diameter (Da)	1,653.6 mm
Overall inside diameter (Di)	1,320 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	120 mm
Liebherr catalogue dimension O (O)	1,469 mm
Liebherr catalogue dimension U (U)	1,460 mm
Liebherr catalogue dimension H1 (H1)	91 mm
Liebherr catalogue dimension H2 (H2)	114 mm
MOUNTING	
Outer ring bolt circle (La)	1,545 mm
Inner ring bolt circle (Li)	1,365 mm
La/Li mounting-hole count (n)	36
Mounting fastener specification (M)	24
Liebherr catalogue count n1 (n1)	3
GEAR	
Gear pitch diameter (d)	1,620 mm
Gear module (m)	12 mm
Gear tooth count (z)	135
Addendum modification product x^*m (x^*m)	6 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1.2 mm
Gear face width (b)	91 mm
PERFORMANCE	
Standard tooth force (Fz standard)	100.2 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	200.4 kN
Static load rating (Cstat)	8,465 kN
Dynamic load rating (Cdyn)	778 kN
PERFORMANCE RATINGS	
Rating Dynamic	778 kN Not simultaneous with other listed dynamic ratings
Rating Static	8,465 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	200.4 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	100.2 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - 24
Inner ring mounting	36 holes - 24
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	135
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	102
Printed page	102

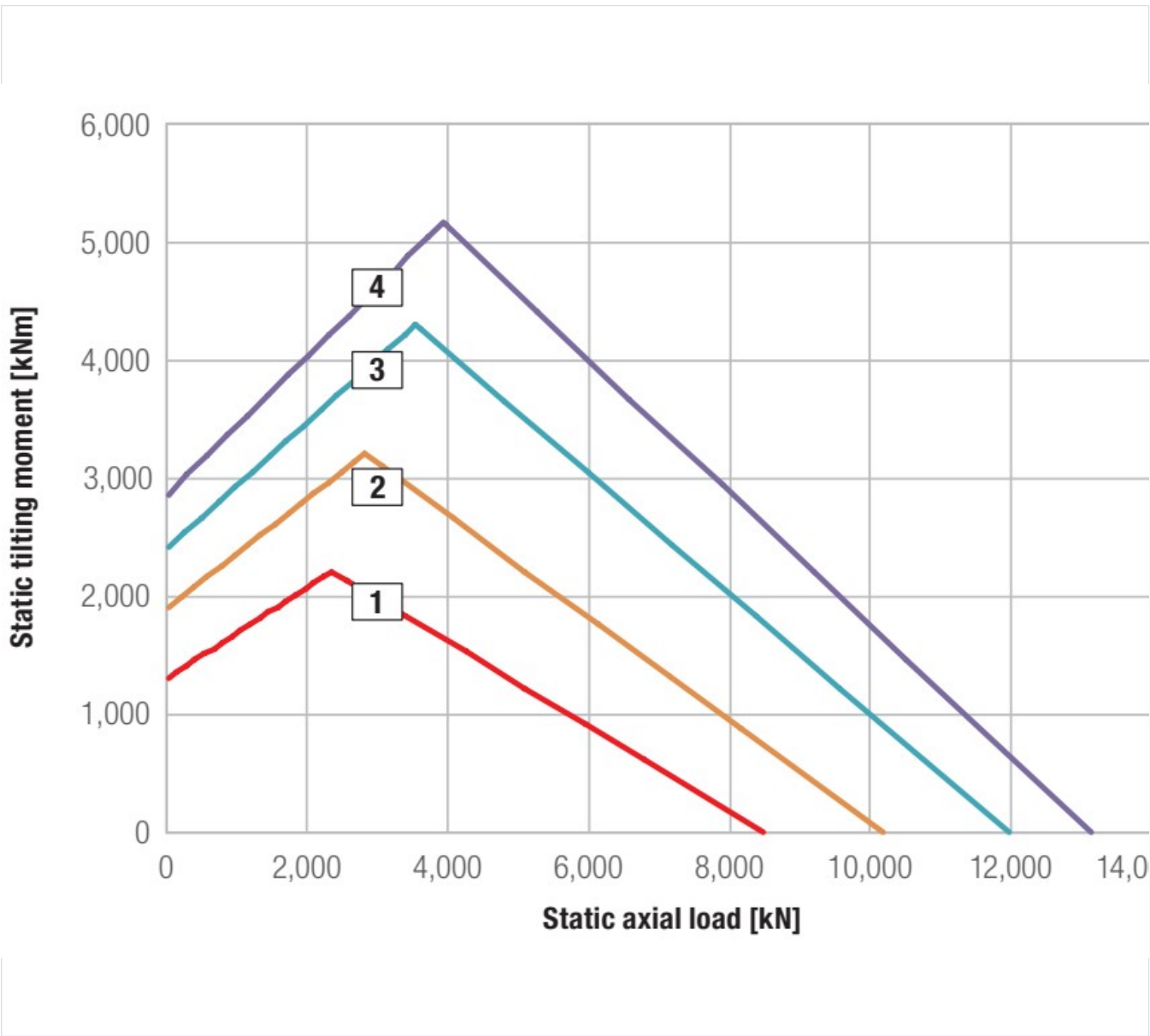
Complete Product Data

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-102-curve.webp SHA-256: 3dfe4916ed0610c39f734962122043982a4b13e405d8f02167f6419bfe799112
Outline Drawing	liebherr-page-102-drawing.webp SHA-256: 4a806c28fda03798ac018473b4178af54a82b8ab4c6a845f14d933932057559c

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-102-curve.webp | SHA-256: 3dfe4916ed0610c39f734962122043982a4b13e405d8f02167f6419bfe799112

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 DXKGMHKSQHHKTSQ27KEAC5QOF7	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 102 Printed page 102
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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/liebherr/kud01440-030za15-900-000/>

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