

Factory-Verified Replacement

MERYDOM KUD01806-030WJ15-900-000

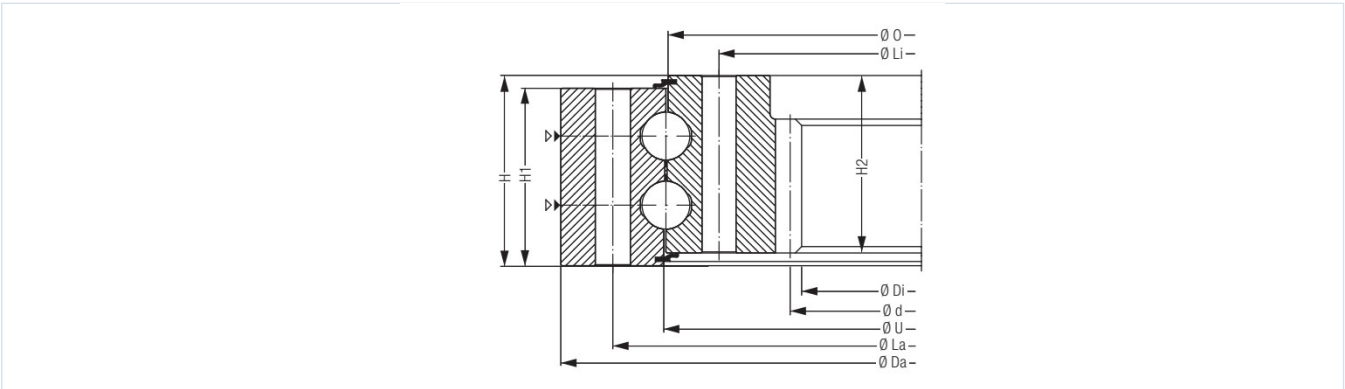
Certified for interchange with Liebherr KUD01806-030WJ15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
KUD01806-030WJ15-900-000	Liebherr KUD01806-030WJ15-900-000
SERIES	STRUCTURE
KUD_30_WJ Series	Double-row four-point contact ball
OVERALL OD	OVERALL ID
1,917 mm	1,634.4 mm
OVERALL HEIGHT	GEAR
123 mm	Internal gear

Published Technical Drawing



liebherr-page-117-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	KUD01806-030WJ15-900-000
Certified interchangeable with	Liebherr KUD01806-030WJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	3JGTN522R55L5K6FKLS6HFVO3K
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_WJ Series
Reference model	KUD01806-030WJ15-900-000
Bearing structure	Double-row four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (Weight)	590 kg
Overall outside diameter (Da)	1,917 mm
Overall inside diameter (Di)	1,634.4 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)	123 mm
Liebherr catalogue dimension O (O)	1,804 mm
Liebherr catalogue dimension U (U)	1,808 mm
Liebherr catalogue dimension H1 (H1)	111 mm
Liebherr catalogue dimension H2 (H2)	111 mm
MOUNTING	
Outer ring bolt circle (La)	1,873 mm
Inner ring bolt circle (Li)	1,736 mm
La/Li mounting-hole count (n)	52
Mounting fastener specification (M)	20
Liebherr catalogue count n1 (n1)	7
GEAR	
Gear pitch diameter (d)	1,644 mm
Gear module (m)	12 mm
Gear tooth count (z)	137
Addendum modification product x^*m (x^*m)	-6 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1.2 mm
Gear face width (b)	111 mm
PERFORMANCE	
Standard tooth force (Fz standard)	128.7 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	257.4 kN
Static load rating (Cstat)	15,753 kN
Dynamic load rating (Cdyn)	1,125 kN
PERFORMANCE RATINGS	
Rating Dynamic	1,125 kN Not simultaneous with other listed dynamic ratings
Rating Static	15,753 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	257.4 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	128.7 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	52 holes - 20
Inner ring mounting	52 holes - 20
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	137
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	117
Printed page	117

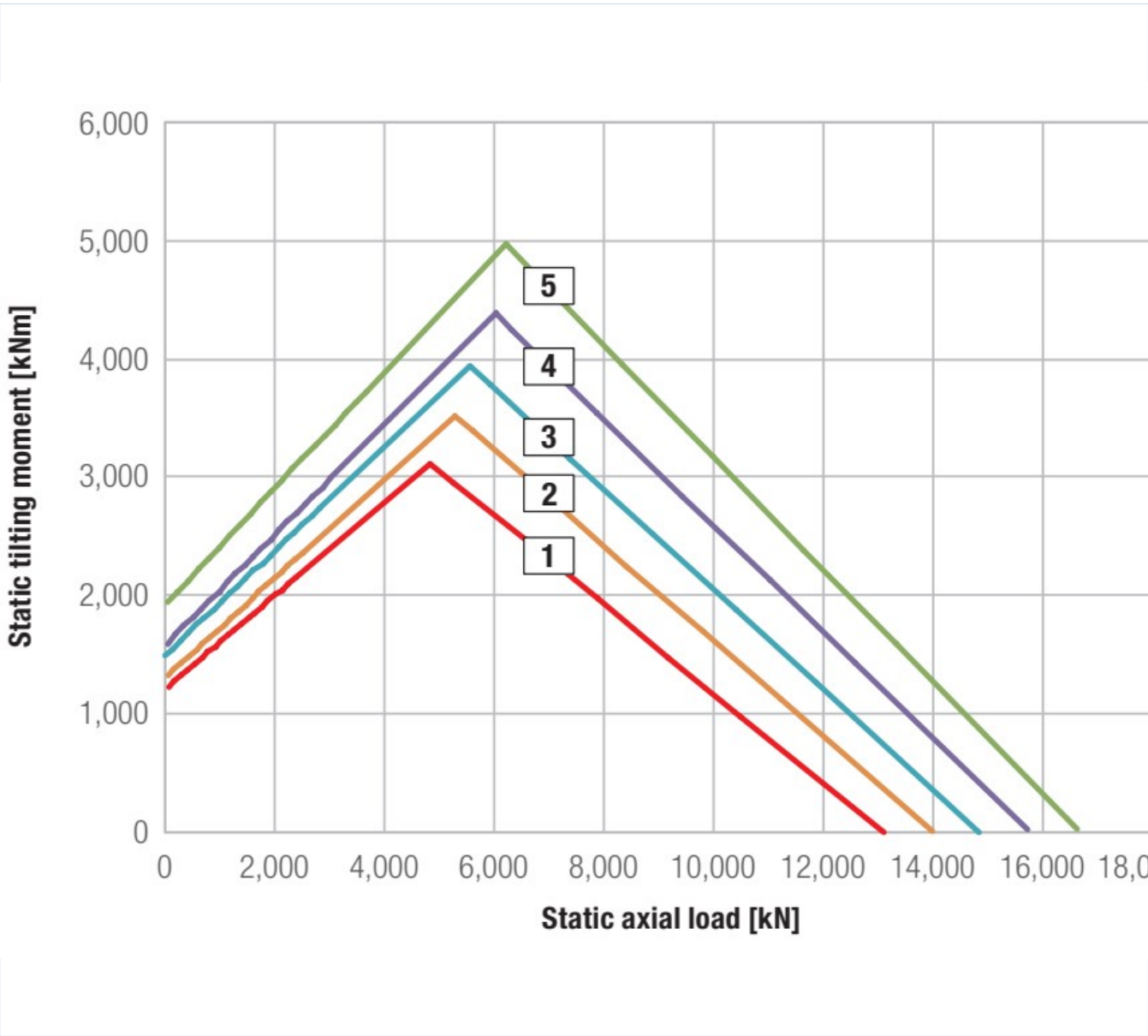
Complete Product Data

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-117-curve.webp SHA-256: 42a05272e7cab4857292a51fb527c4b9f6b000815bdbdfb21c1123c8d983d865
Outline Drawing	liebherr-page-117-drawing.webp SHA-256: 7a4f077302a95dbccda0852085cdf09bf93e96eb8a06287be4cfae985a89466e

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-117-curve.webp | SHA-256: 42a05272e7cab4857292a51fb527c4b9f6b000815bdbdfb21c1123c8d983d865

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 3JGTN522R55L5K6FKLS6HFVO3K	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 117 Printed page 117
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/kud01806-030wj15-900-000/>

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