

Factory-Verified Replacement

MERYDOM KUD01606-030WJ15-900-000

Certified for interchange with Liebherr KUD01606-030WJ15-900-000. 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

KUD01606-030WJ15-900-000

REFERENCE

Liebherr KUD01606-030WJ15-900-000

SERIES

KUD_30_WJ Series

STRUCTURE

Esferas de contato de quatro pontos de duas carreiras

OVERALL OD

1,717 mm

OVERALL ID

1,430.4 mm

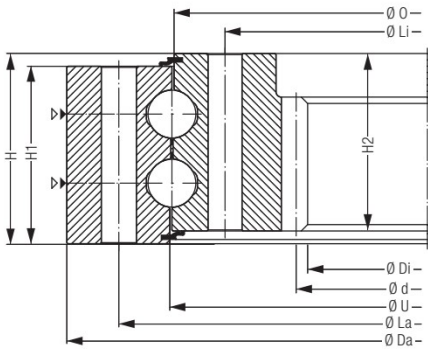
OVERALL HEIGHT

123 mm

GEAR

Engrenagem interna

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	KUD01606-030WJ15-900-000
Certified interchangeable with	Liebherr KUD01606-030WJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	AMF5O3CYQPAFAQRSU23EZQXWDI
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	KUD01606-030WJ15-900-000
Bearing structure	Esferas de contato de quatro pontos de duas carreiras
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (Weight)	531 kg
Overall outside diameter (Da)	1.717 mm
Overall inside diameter (Di)	1.430,4 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	123 mm
Liebherr catalogue dimension O (O)	1.604 mm
Liebherr catalogue dimension U (U)	1.608 mm
Liebherr catalogue dimension H1 (H1)	111 mm
Liebherr catalogue dimension H2 (H2)	111 mm
MOUNTING	
Outer ring bolt circle (La)	1.673 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)	111 mm
PERFORMANCE	
Standard tooth force (Fz standard)	128,7 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	257,4 kN
Static load rating (Cstat)	14.023 kN
Dynamic load rating (Cdyn)	1.078 kN
PERFORMANCE RATINGS	
Rating Dynamic	1.078 kN Not simultaneous with other listed dynamic ratings
Rating Static	14.023 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	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	117
Printed page	117

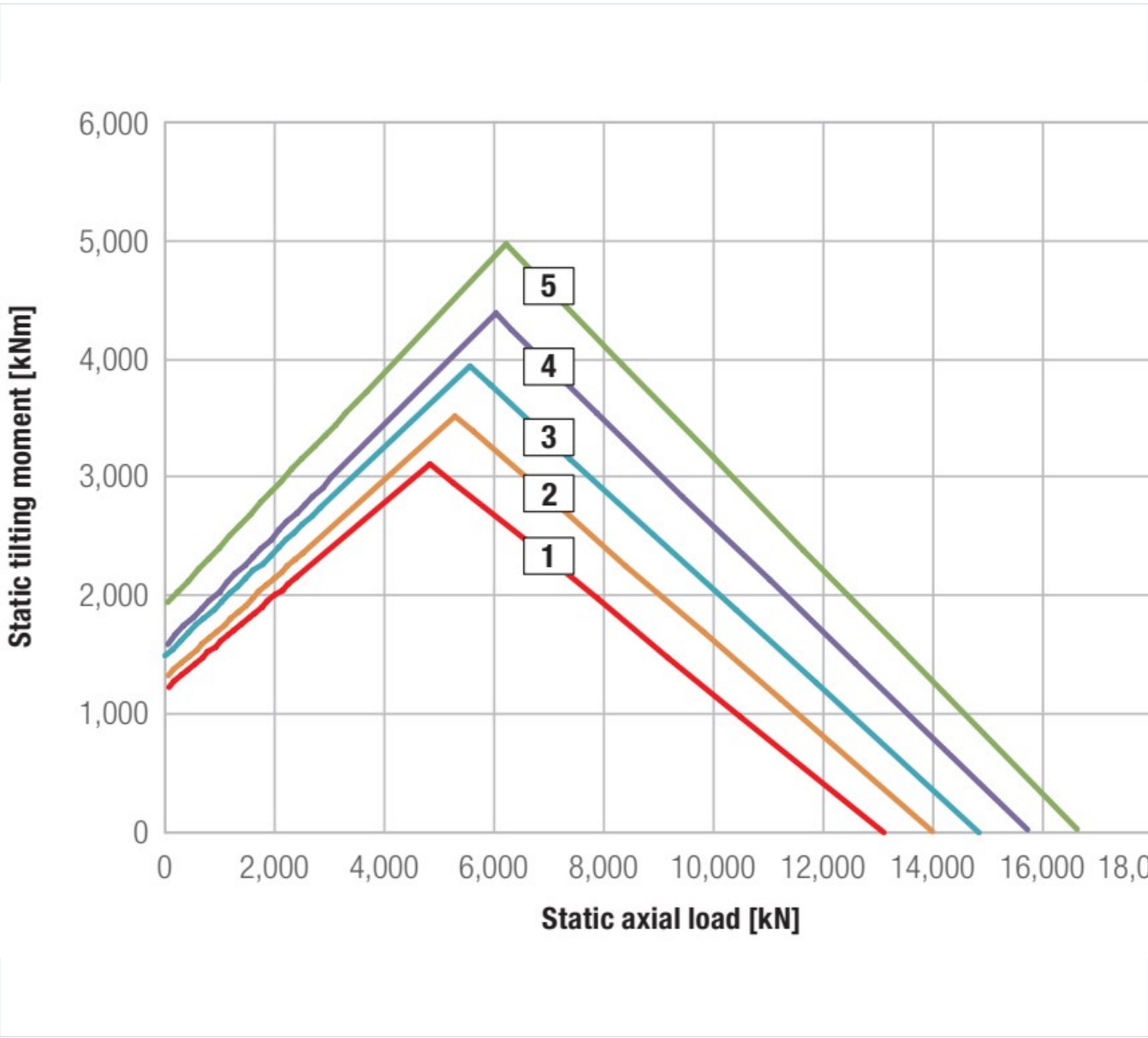
Complete Product Data

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 AMF5O3CYQPAFAQRSU23EZQXWDI	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 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/pt/produtos/rolamentos-de-giro-de-substituicao/liebherr/kud01606-030wj15-900-000/>

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