

Factory-Verified Replacement

MERYDOM KUD01956-045WJ15-900-000

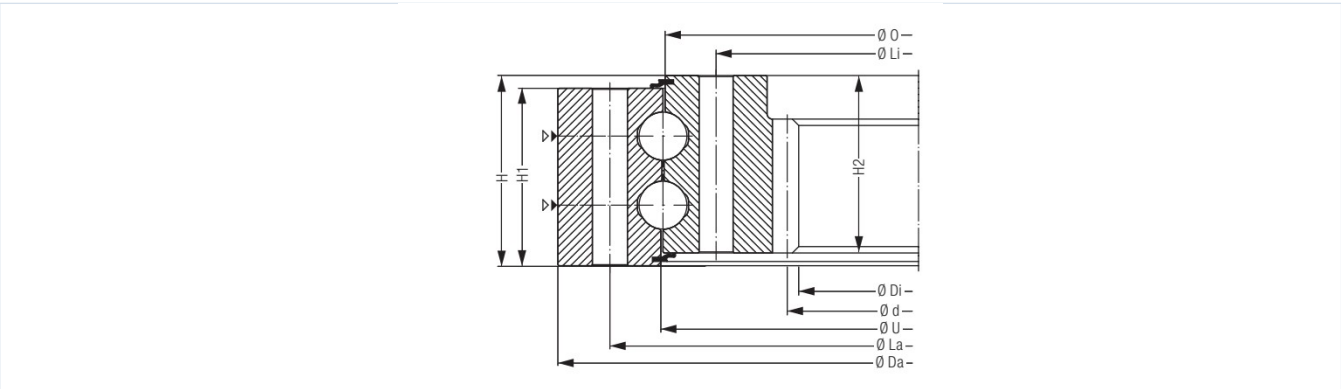
Certified for interchange with Liebherr KUD01956-045WJ15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
KUD01956-045WJ15-900-000	Liebherr KUD01956-045WJ15-900-000
SERIES	STRUCTURE
KUD_45_WJ Series	Esferas de contato de quatro pontos de duas carreiras
OVERALL OD	OVERALL ID
2,120 mm	1,730.4 mm
OVERALL HEIGHT	GEAR
170 mm	Engrenagem interna

Published Technical Drawing



liebherr-page-120-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	KUD01956-045WJ15-900-000
Certified interchangeable with	Liebherr KUD01956-045WJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	UINTQTCKXZJQMRZ54VAVEAIF4
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_45_WJ Series
Reference model	KUD01956-045WJ15-900-000
Bearing structure	Esferas de contato de quatro pontos de duas carreiras
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (Weight)	1.216 kg
Overall outside diameter (Da)	2.120 mm
Overall inside diameter (Di)	1.730,4 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	170 mm
Liebherr catalogue dimension O (O)	1.954 mm
Liebherr catalogue dimension U (U)	1.958 mm
Liebherr catalogue dimension H1 (H1)	158 mm
Liebherr catalogue dimension H2 (H2)	158 mm
MOUNTING	
Outer ring bolt circle (La)	2.054 mm
Inner ring bolt circle (Li)	1.855 mm
La/Li mounting-hole count (n)	52
Mounting fastener specification (M)	30
Liebherr catalogue count n1 (n1)	8
GEAR	
Gear pitch diameter (d)	1.740 mm
Gear module (m)	12 mm
Gear tooth count (z)	145
Addendum modification product x^*m (x^*m)	-6 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1,2 mm
Gear face width (b)	120 mm
PERFORMANCE	
Standard tooth force (Fz standard)	132,2 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	264,3 kN
Static load rating (Cstat)	25.612 kN
Dynamic load rating (Cdyn)	1.761 kN
PERFORMANCE RATINGS	
Rating Dynamic	1.761 kN Not simultaneous with other listed dynamic ratings
Rating Static	25.612 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	264,3 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	132,2 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	52 holes - 30
Inner ring mounting	52 holes - 30
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	145
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	120
Printed page	120

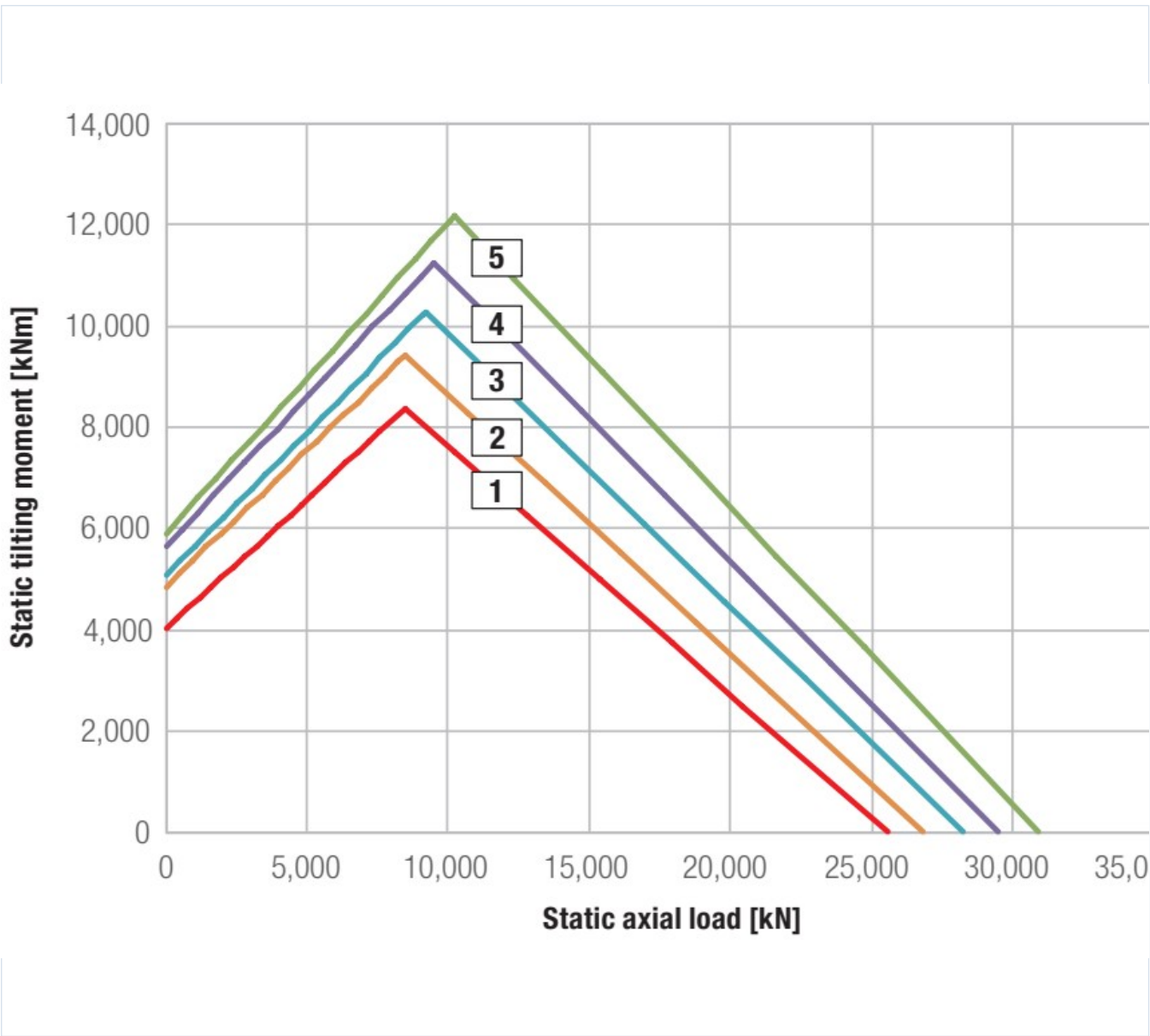
Complete Product Data

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SOURCE TRACEABILITY (CONTINUED)	
Source language	EN
Original unit system	Mixed_metric_dp_threads
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-120-curve.webp SHA-256: 194d3b1ad49a14e7e41afb868469b325ed38bf29fbcf61d2bc1329ff23f0424c
Outline Drawing	liebherr-page-120-drawing.webp SHA-256: 045f7fcdb911ba958483d28739099f7408193a4aeac033411f11a77da3c9aa2d

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-120-curve.webp | SHA-256: 194d3b1ad49a14e7e41afb868469b325ed38bf29fbcf61d2bc1329ff23f0424c

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 UINTQTCCCKXZJQMRZ54VAVEAIF4	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 120 Printed page 120
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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page:
<https://rotnex.com/pt/produtos/rolamentos-de-giro-de-substituicao/liebherr/kud01956-045wj15-900-000/>

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