

Factory-Verified Replacement

MERYDOM KUD02106-040WJ15-900-000

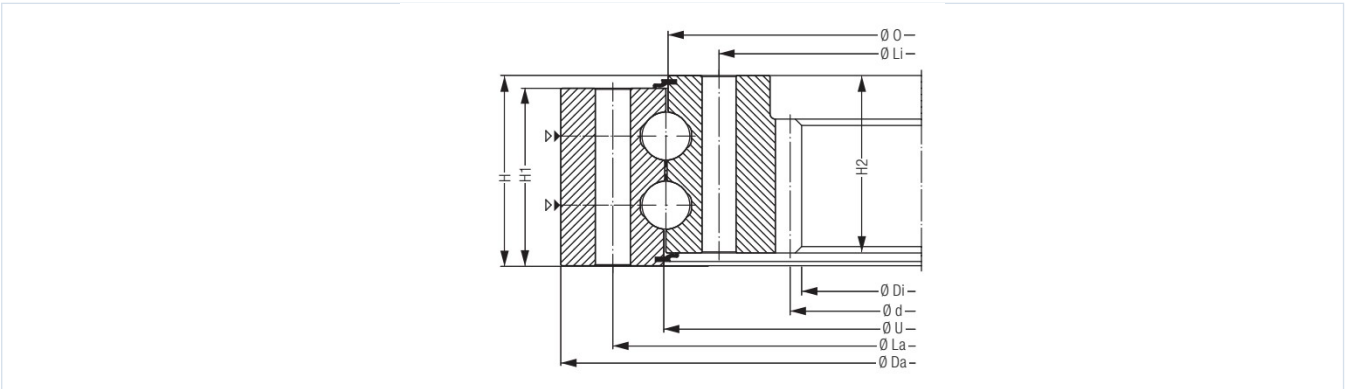
Certified for interchange with Liebherr KUD02106-040WJ15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
KUD02106-040WJ15-900-000	Liebherr KUD02106-040WJ15-900-000
SERIES	STRUCTURE
KUD_40_WJ Series	Double-row four-point contact ball
OVERALL OD	OVERALL ID
2,254 mm	1,892.8 mm
OVERALL HEIGHT	GEAR
154 mm	Internal gear

Published Technical Drawing



liebherr-page-119-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	KUD02106-040WJ15-900-000
Certified interchangeable with	Liebherr KUD02106-040WJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	QL5TK3SLFXC6NQ44FCNGVUIYJP
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_40_WJ Series
Reference model	KUD02106-040WJ15-900-000
Bearing structure	Double-row four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (Weight)	1,104 kg
Overall outside diameter (Da)	2,254 mm
Overall inside diameter (Di)	1,892.8 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	154 mm
Liebherr catalogue dimension O (O)	2,104 mm
Liebherr catalogue dimension U (U)	2,108 mm
Liebherr catalogue dimension H1 (H1)	142 mm
Liebherr catalogue dimension H2 (H2)	142 mm
MOUNTING	
Outer ring bolt circle (La)	2,194 mm
Inner ring bolt circle (Li)	2,015 mm
La/Li mounting-hole count (n)	60
Mounting fastener specification (M)	27
Liebherr catalogue count n1 (n1)	8
GEAR	
Gear pitch diameter (d)	1,904 mm
Gear module (m)	14 mm
Gear tooth count (z)	136
Addendum modification product x^*m (x^*m)	-7 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1.4 mm
Gear face width (b)	140 mm
PERFORMANCE	
Standard tooth force (Fz standard)	179.9 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	359.8 kN
Static load rating (Cstat)	24,444 kN
Dynamic load rating (Cdyn)	1,600 kN
PERFORMANCE RATINGS	
Rating Dynamic	1,600 kN Not simultaneous with other listed dynamic ratings
Rating Static	24,444 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	359.8 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	179.9 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	60 holes - 27
Inner ring mounting	60 holes - 27
GEAR INTERFACE	
Pitch system	module
Module reference	14 mm
Number of teeth	136
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	119
Printed page	119

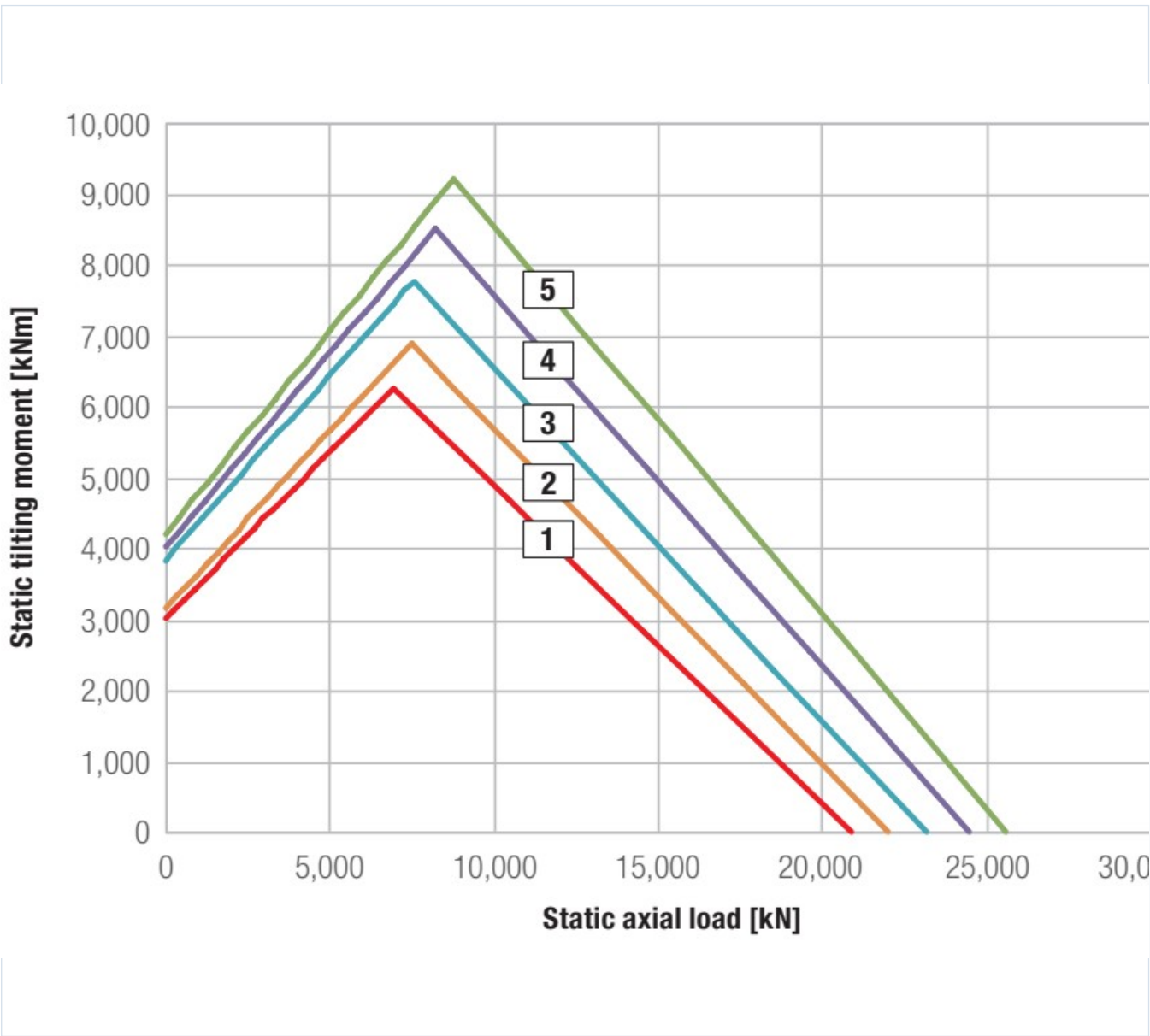
Complete Product Data

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-119-curve.webp SHA-256: 8863c7cbd1940c09a44c540806ffd3b447f2ae4758408af763bae2cf7311b895
Outline Drawing	liebherr-page-119-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-119-curve.webp | SHA-256: 8863c7cbd1940c09a44c540806ffd3b447f2ae4758408af763bae2cf7311b895

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 QL5TK3SLFXC6NQ44FCNGVUIYJP	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 119 Printed page 119
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/kud02106-040wj15-900-000/>

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