

Factory-Verified Replacement

MERYDOM KUD01806-040WJ15-900-000

Certified for interchange with Liebherr KUD01806-040WJ15-900-000. 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
KUD01806-040WJ15-900-000

REFERENCE
Liebherr KUD01806-040WJ15-900-000

SERIES
KUD_40_WJ Series

STRUCTURE
ift s ral d rt nokta temasl
bilyal

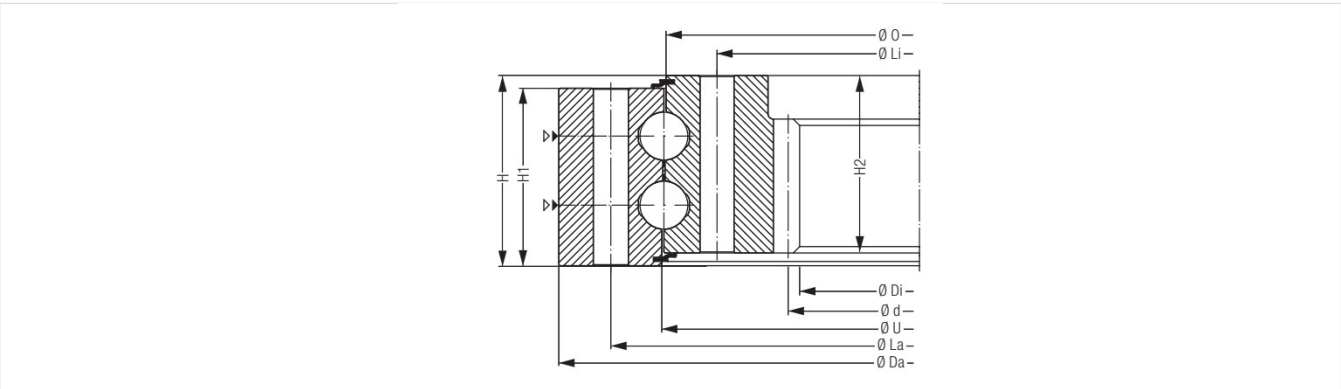
OVERALL OD
1,954 mm

OVERALL ID
1,598.4 mm

OVERALL HEIGHT
154 mm

GEAR
ten di li

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	KUD01806-040WJ15-900-000
Certified interchangeable with	Liebherr KUD01806-040WJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JP6BGG2GXF4EVHSNDSHFF45QAQ
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	KUD01806-040WJ15-900-000
Bearing structure	ift s ral d rt nokta temasl bilyal
Gear arrangement	ten di li
DIMENSION	
Mass (Weight)	925 kg
Overall outside diameter (Da)	1 954 mm
Overall inside diameter (Di)	1 598,4 mm

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DIMENSION (CONTINUED)	
Overall height (H)	154 mm
Liebherr catalogue dimension O (O)	1 804 mm
Liebherr catalogue dimension U (U)	1 808 mm
Liebherr catalogue dimension H1 (H1)	142 mm
Liebherr catalogue dimension H2 (H2)	142 mm
MOUNTING	
Outer ring bolt circle (La)	1 894 mm
Inner ring bolt circle (Li)	1 715 mm
La/Li mounting-hole count (n)	52
Mounting fastener specification (M)	27
Liebherr catalogue count n1 (n1)	7
GEAR	
Gear pitch diameter (d)	1 608 mm
Gear module (m)	12 mm
Gear tooth count (z)	134
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)	21 045 kN
Dynamic load rating (Cdyn)	1 516 kN
PERFORMANCE RATINGS	
Rating Dynamic	1 516 kN Not simultaneous with other listed dynamic ratings
Rating Static	21 045 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 - 27
Inner ring mounting	52 holes - 27
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	134
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

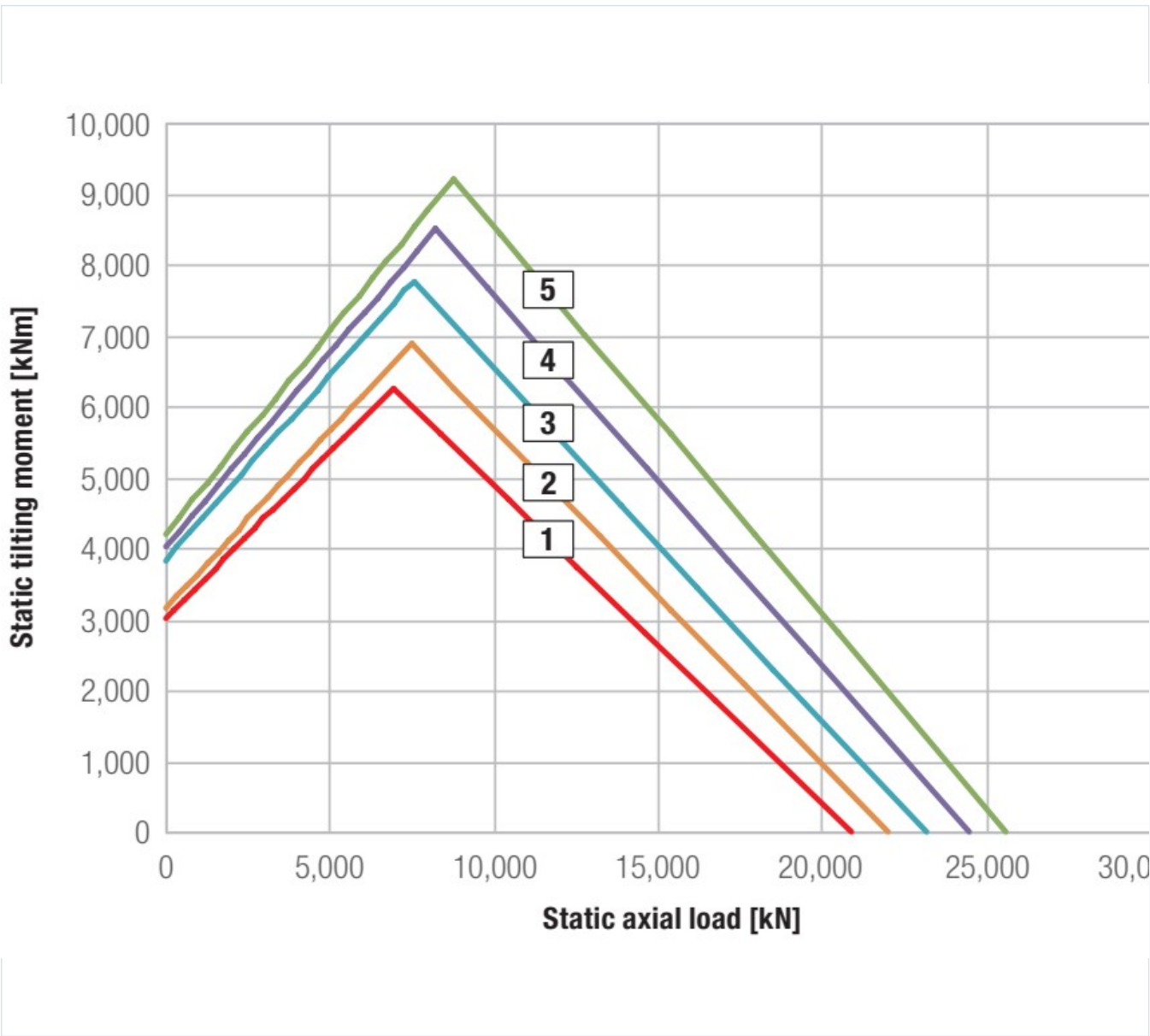
Complete Product Data

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 JP6BGG2GXF4EVHSNDSHFF45QAQ	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/tr/urunler/muadil-doner-tabla-rulmanlari/liebherr/kud01806-040wj15-900-000/>

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