

Factory-Verified Replacement

MERYDOM KUD02197-040WA15-900-000

Certified for interchange with Liebherr KUD02197-040WA15-900-000. 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

KUD02197-040WA15-900-000

REFERENCE

Liebherr KUD02197-040WA15-900-000

SERIES

KUD_40_WA Series

STRUCTURE

Double-row four-point contact ball

OVERALL OD

2,405.2 mm

OVERALL ID

2,046 mm

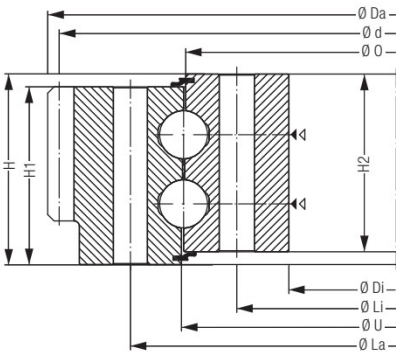
OVERALL HEIGHT

154 mm

GEAR

External gear

Published Technical Drawing



liebherr-page-114-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	KUD02197-040WA15-900-000
Certified interchangeable with	Liebherr KUD02197-040WA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	ZCTEQFESR56LTXKDCWZRJ7WRTS
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_WA Series
Reference model	KUD02197-040WA15-900-000
Bearing structure	Double-row four-point contact ball
Gear arrangement	External gear
DIMENSION	
Mass (Weight)	1,172 kg
Overall outside diameter (Da)	2,405.2 mm
Overall inside diameter (Di)	2,046 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	154 mm
Liebherr catalogue dimension O (O)	2,195 mm
Liebherr catalogue dimension U (U)	2,199 mm
Liebherr catalogue dimension H1 (H1)	142 mm
Liebherr catalogue dimension H2 (H2)	142 mm
MOUNTING	
Outer ring bolt circle (La)	2,285 mm
Inner ring bolt circle (Li)	2,106 mm
La/Li mounting-hole count (n)	60
Mounting fastener specification (M)	27
Liebherr catalogue count n1 (n1)	8
GEAR	
Gear pitch diameter (d)	2,366 mm
Gear module (m)	14 mm
Gear tooth count (z)	169
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

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	359.8 kN
Static load rating (Cstat)	25,577 kN
Dynamic load rating (Cdyn)	1,628 kN
PERFORMANCE RATINGS	
Rating Dynamic	1,628 kN Not simultaneous with other listed dynamic ratings
Rating Static	25,577 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	169
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	114
Printed page	114

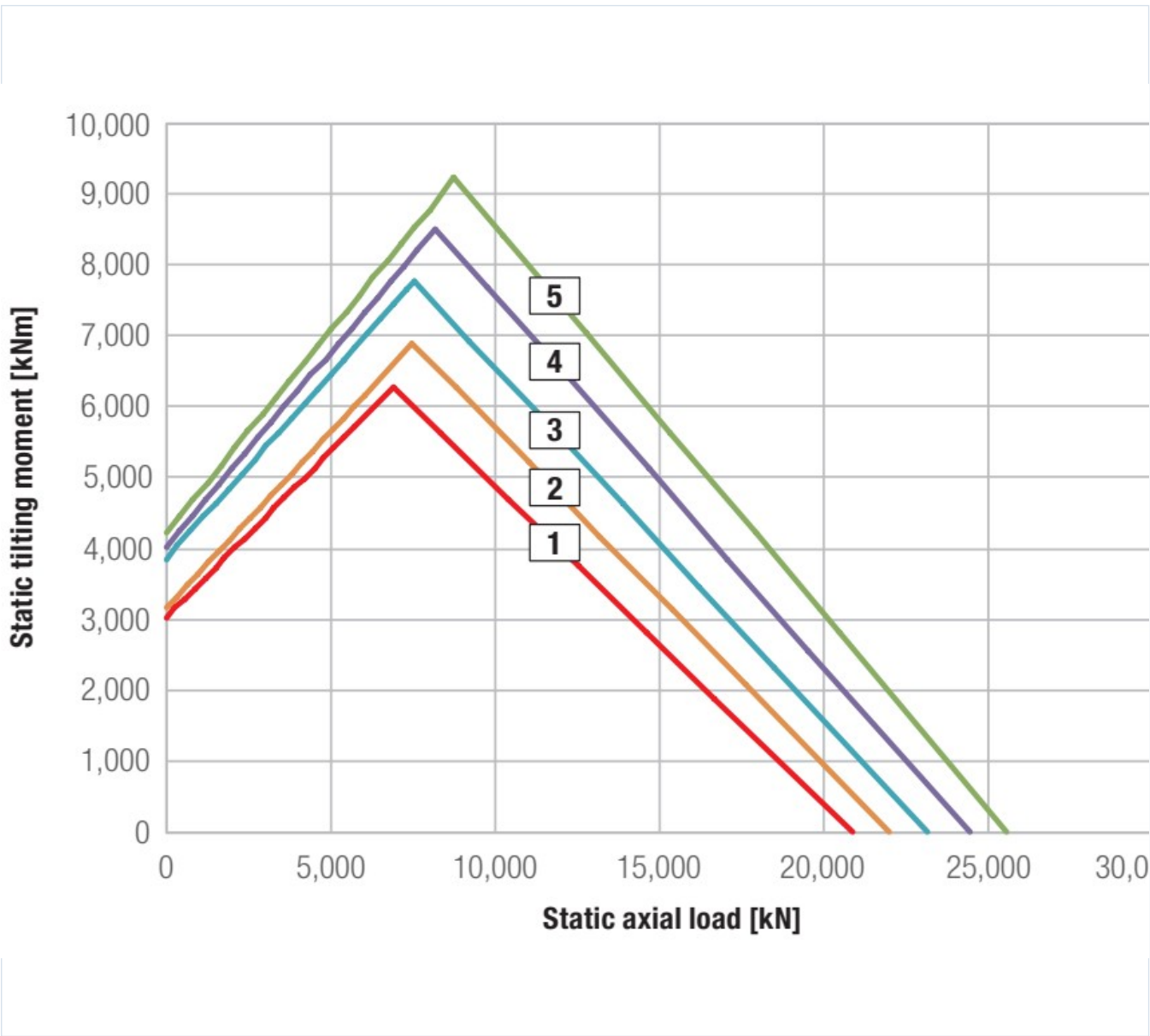
Complete Product Data

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-114-curve.webp SHA-256: 7911271adb38b2e012db7c30fcaf16f387106d50e99f83fb629ff2838a36ba0a
Outline Drawing	liebherr-page-114-drawing.webp SHA-256: f851d599dbc2076a937fae2549353160ab2f9e31c4ece1ae4099360e5ebf6f68

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-114-curve.webp | SHA-256: 7911271adb38b2e012db7c30fcac16f387106d50e99f83fb629ff2838a36ba0a

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 ZCTEQFESR56LTXKDCWZRJ7WRTS	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 114 Printed page 114
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/kud02197-040wa15-900-000/>

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