

Factory-Verified Replacement

MERYDOM KUD02100-040VJ15-900-000

Certified for interchange with Liebherr KUD02100-040VJ15-900-000. 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

KUD02100-040VJ15-900-000

REFERENCE

Liebherr KUD02100-040VJ15-900-000

SERIES

KUD_40_VJ Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

2,245 mm

OVERALL ID

1,892.8 mm

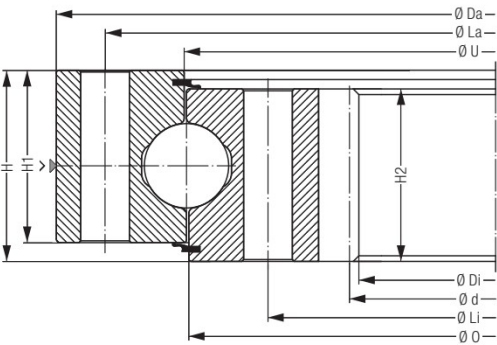
OVERALL HEIGHT

104 mm

GEAR

Dentatura interna

Published Technical Drawing



liebherr-page-088-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	KUD02100-040VJ15-900-000
Certified interchangeable with	Liebherr KUD02100-040VJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	VFDGXE5Z3KR2FFCRCCTRPFQ32Y
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_VJ Series
Reference model	KUD02100-040VJ15-900-000
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura interna
DIMENSION	
Mass (Weight)	684 kg
Overall outside diameter (Da)	2.245 mm
Overall inside diameter (Di)	1.892,8 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	104 mm
Liebherr catalogue dimension O (O)	2.100 mm
Liebherr catalogue dimension U (U)	2.100 mm
Liebherr catalogue dimension H1 (H1)	92 mm
Liebherr catalogue dimension H2 (H2)	92 mm
MOUNTING	
Outer ring bolt circle (La)	2.185 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)	92 mm
PERFORMANCE	
Standard tooth force (Fz standard)	118,22 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	236,44 kN
Static load rating (Cstat)	12.222 kN
Dynamic load rating (Cdyn)	986 kN
PERFORMANCE RATINGS	
Rating Dynamic	986 kN Not simultaneous with other listed dynamic ratings
Rating Static	12.222 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	236,44 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	118,22 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	88
Printed page	88

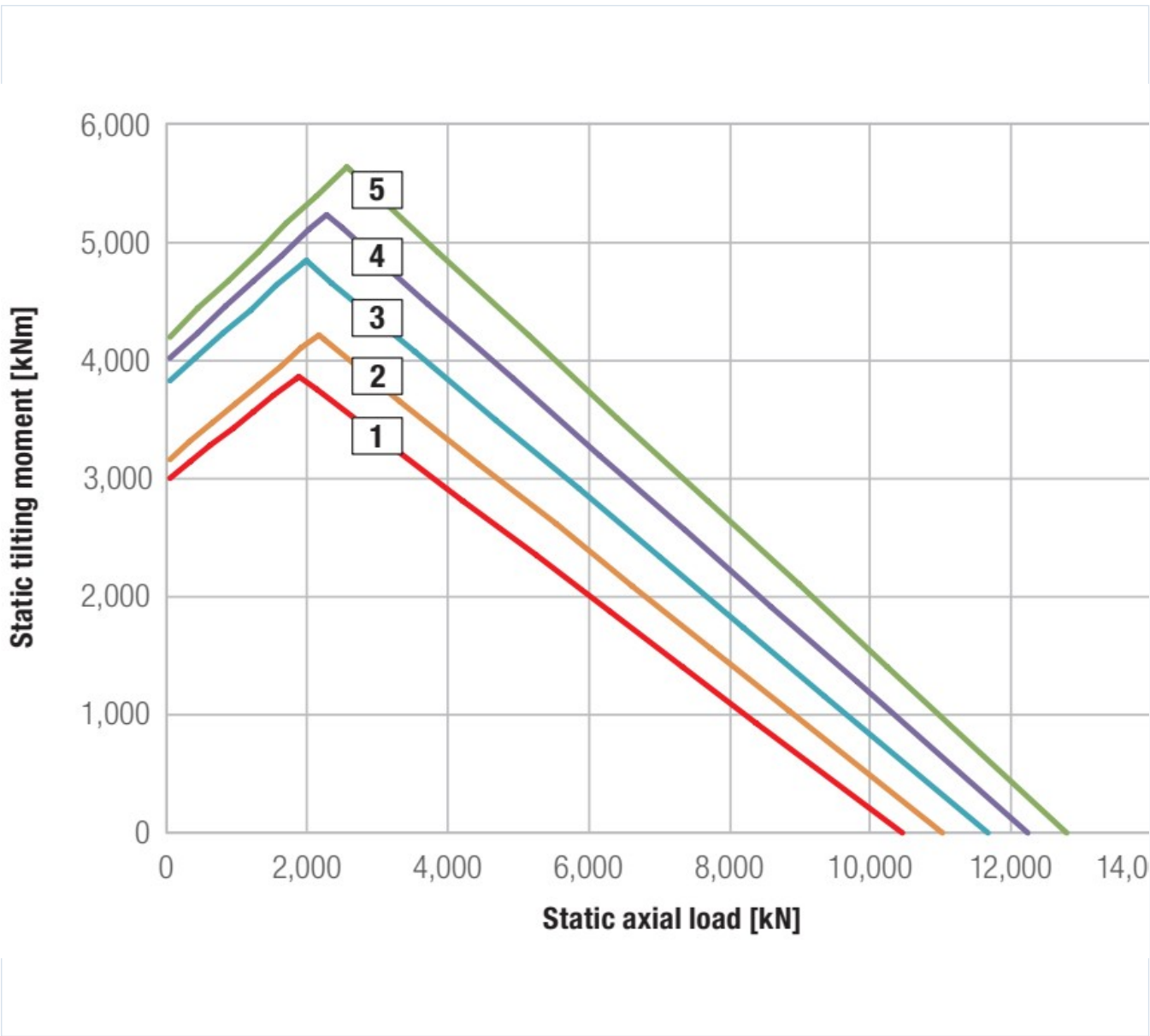
Complete Product Data

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-088-curve.webp SHA-256: 37f92197777da3f5da5f50cfe12364822486e0e458c03d803f95b966076f2bc2
Outline Drawing	liebherr-page-088-drawing.webp SHA-256: c61a522cce419e03c8a81f4be9e4233557a4e70ee81dd2c6e49546e8841b5271

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-088-curve.webp | SHA-256: 37f92197777da3f5da5f50cfe12364822486e0e458c03d803f95b966076f2bc2

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 VFDGXE5Z3KR2FFCRCCTRPFQ32Y	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 88 Printed page 88
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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/liebherr/kud02100-040vj15-900-000/>

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