

Factory-Verified Replacement

MERYDOM KUD03150-040ZA15-900-000

Certified for interchange with Liebherr KUD03150-040ZA15-900-000. 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

KUD03150-040ZA15-900-000

REFERENCE

Liebherr KUD03150-040ZA15-900-000

SERIES

KUD_40_ZA Series

STRUCTURE

Cuscinetto a sfere a due corone

OVERALL OD

3,456 mm

OVERALL ID

3,000 mm

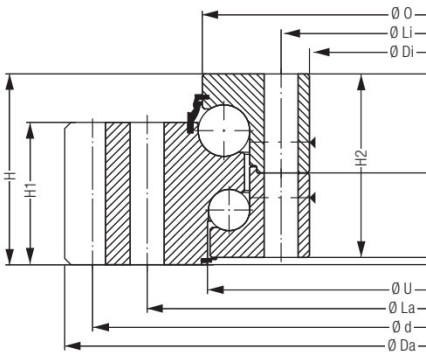
OVERALL HEIGHT

156 mm

GEAR

Dentatura esterna

Published Technical Drawing



liebherr-page-104-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	KUD03150-040ZA15-900-000
Certified interchangeable with	Liebherr KUD03150-040ZA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	7KG7TVDTBG7UGAVHKX5RZY6UAO
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_ZA Series
Reference model	KUD03150-040ZA15-900-000
Bearing structure	Cuscinetto a sfere a due corone
Gear arrangement	Dentatura esterna
DIMENSION	
Mass (Weight)	1.969 kg
Overall outside diameter (Da)	3.456 mm
Overall inside diameter (Di)	3.000 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	156 mm
Liebherr catalogue dimension O (O)	3.185 mm
Liebherr catalogue dimension U (U)	3.182 mm
Liebherr catalogue dimension H1 (H1)	117 mm
Liebherr catalogue dimension H2 (H2)	150 mm
MOUNTING	
Outer ring bolt circle (La)	3.285 mm
Inner ring bolt circle (Li)	3.055 mm
La/Li mounting-hole count (n)	60
Mounting fastener specification (M)	30
Liebherr catalogue count n1 (n1)	6
GEAR	
Gear pitch diameter (d)	3.400 mm
Gear module (m)	20 mm
Gear tooth count (z)	170
Addendum modification product x^*m (x^*m)	10 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-2 mm
Gear face width (b)	117 mm
PERFORMANCE	
Standard tooth force (Fz standard)	203,4 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	406,8 kN
Static load rating (Cstat)	24.642 kN
Dynamic load rating (Cdyn)	1.394 kN
PERFORMANCE RATINGS	
Rating Dynamic	1.394 kN Not simultaneous with other listed dynamic ratings
Rating Static	24.642 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	406,8 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	203,4 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	60 holes - 30
Inner ring mounting	60 holes - 30
GEAR INTERFACE	
Pitch system	module
Module reference	20 mm
Number of teeth	170
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	104
Printed page	104

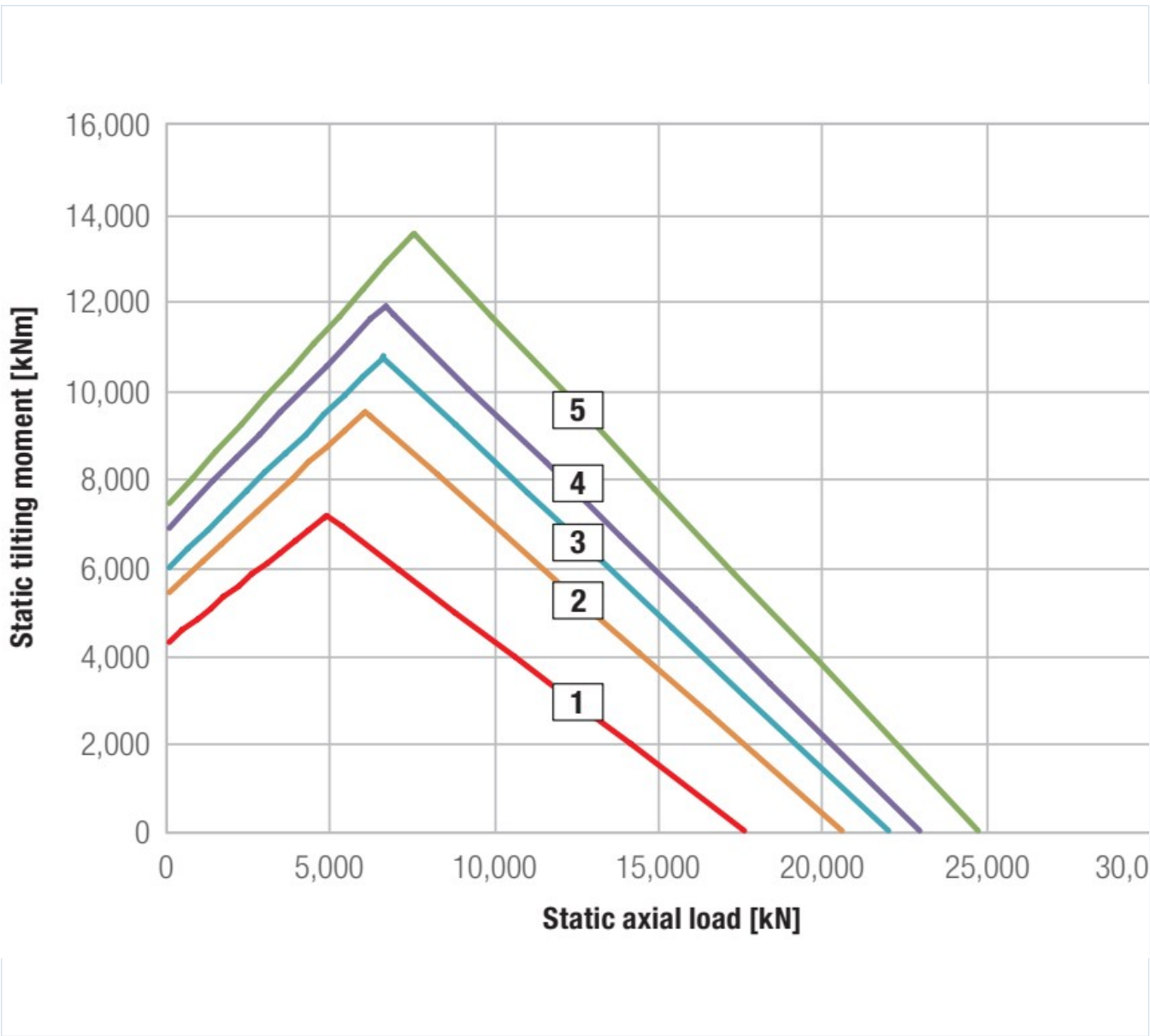
Complete Product Data

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-104-curve.webp SHA-256: d6fde71213f09f853dd941917b7652268fb5a9667adedf69517a5d68551d2c62
Outline Drawing	liebherr-page-104-drawing.webp SHA-256: 4a806c28fda03798ac018473b4178af54a82b8ab4c6a845f14d933932057559c

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-104-curve.webp | SHA-256: d6fde71213f09f853dd941917b7652268fb5a9667adedf69517a5d68551d2c62

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 7KG7TVDTBG7UGAVHKX5RZY6UAO	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 104 Printed page 104
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/kud03150-040za15-900-000/>

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