

Factory-Verified Replacement

MERYDOM KUD02987-050ZA15-900-000

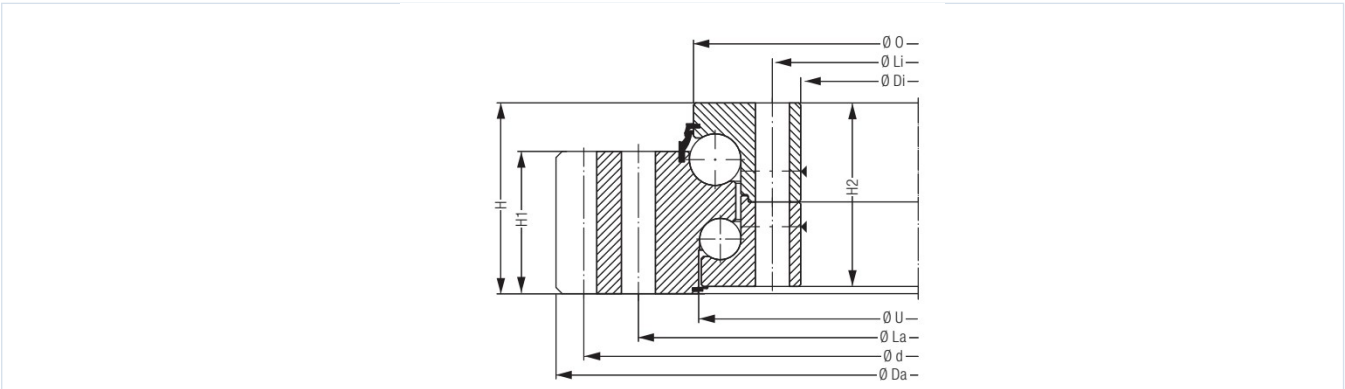
Certified for interchange with Liebherr KUD02987-050ZA15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
KUD02987-050ZA15-900-000	Liebherr KUD02987-050ZA15-900-000
SERIES	STRUCTURE
KUD_50_ZA Series	ift s ral bilyal rulman
OVERALL OD	OVERALL ID
3,290.4 mm	2,820 mm
OVERALL HEIGHT	GEAR
185 mm	D tan di li

Published Technical Drawing



liebherr-page-105-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	KUD02987-050ZA15-900-000
Certified interchangeable with	Liebherr KUD02987-050ZA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	YP4DMWMTQTOIGSNJOW6YZ2R6A4
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_50_ZA Series
Reference model	KUD02987-050ZA15-900-000
Bearing structure	ift s ral bilyal rulman
Gear arrangement	D tan di li
DIMENSION	
Mass (Weight)	2 288 kg
Overall outside diameter (Da)	3 290,4 mm
Overall inside diameter (Di)	2 820 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	185 mm
Liebherr catalogue dimension O (O)	3 029 mm
Liebherr catalogue dimension U (U)	3 019 mm
Liebherr catalogue dimension H1 (H1)	138 mm
Liebherr catalogue dimension H2 (H2)	178 mm
MOUNTING	
Outer ring bolt circle (La)	3 130 mm
Inner ring bolt circle (Li)	2 880 mm
La/Li mounting-hole count (n)	66
Mounting fastener specification (M)	30
Liebherr catalogue count n1 (n1)	6
GEAR	
Gear pitch diameter (d)	3 240 mm
Gear module (m)	18 mm
Gear tooth count (z)	180
Addendum modification product x*m (x*m)	9 mm
Liebherr catalogue gear dimension k*m (k*m)	-1,8 mm
Gear face width (b)	138 mm
PERFORMANCE	
Standard tooth force (Fz standard)	216 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	432 kN
Static load rating (Cstat)	29 305 kN
Dynamic load rating (Cdyn)	1 726 kN
PERFORMANCE RATINGS	
Rating Dynamic	1 726 kN Not simultaneous with other listed dynamic ratings
Rating Static	29 305 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	432 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	216 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	66 holes - 30
Inner ring mounting	66 holes - 30
GEAR INTERFACE	
Pitch system	module
Module reference	18 mm
Number of teeth	180
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	105
Printed page	105

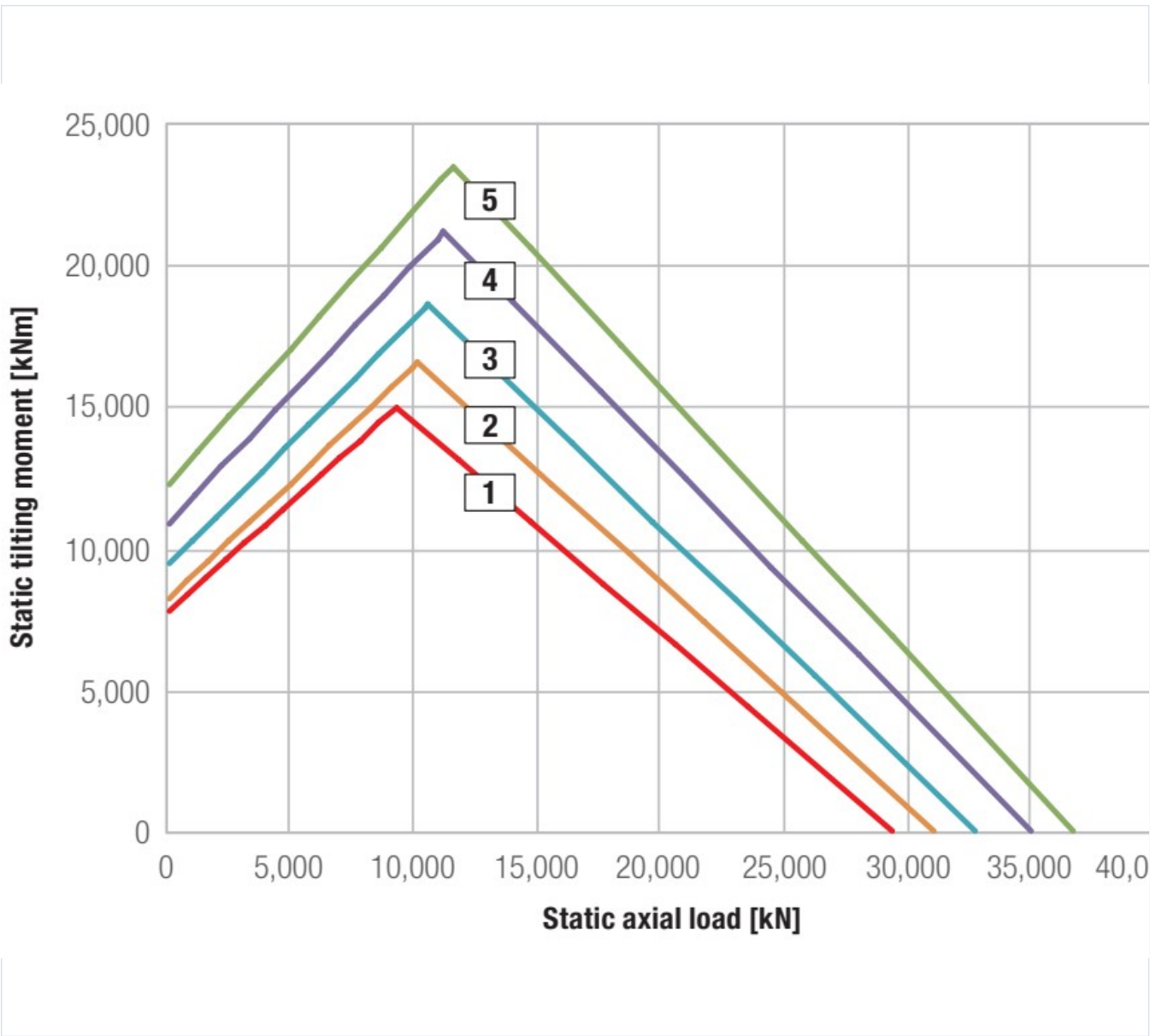
Complete Product Data

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-105-curve.webp SHA-256: 17c10534a394a6c5dce2754b486d50a040ee7303ccfa92458d00b336ff d815a4
Outline Drawing	liebherr-page-105-drawing.webp SHA-256: b3670e28f44718c17d910c2d4fe16000d18c7237d1a34056433475f67c 42e9d1

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-105-curve.webp | SHA-256: 17c10534a394a6c5dce2754b486d50a040ee7303ccfa92458d00b336ffd815a4

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 YP4DMWMTQTOIGSNJOW6YZ2R6A4	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 105 Printed page 105
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/tr/urunler/muadil-doner-tabla-rulmanlari/liebherr/kud02987-050za15-900-000/>

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