

Factory-Verified Replacement

MERYDOM KUD01947-035WA15-900-000

Certified for interchange with Liebherr KUD01947-035WA15-900-000. 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

KUD01947-035WA15-900-000

SERIES

KUD_35_WA Series

OVERALL OD

2,133.6 mm

OVERALL HEIGHT

137 mm

REFERENCE

Liebherr KUD01947-035WA15-900-000

STRUCTURE

Esferas de contato de quatro pontos de duas carreiras

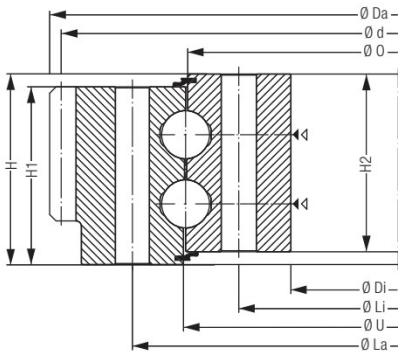
OVERALL ID

1,814 mm

GEAR

Engrenagem externa

Published Technical Drawing



liebherr-page-113-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	KUD01947-035WA15-900-000
Certified interchangeable with	Liebherr KUD01947-035WA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	DE7777Q2WYPCWFD0U4ZFKUOHCE
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_35_WA Series
Reference model	KUD01947-035WA15-900-000
Bearing structure	Esferas de contato de quatro pontos de duas carreiras
Gear arrangement	Engrenagem externa
DIMENSION	
Mass (Weight)	817 kg
Overall outside diameter (Da)	2.133,6 mm
Overall inside diameter (Di)	1.814 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	137 mm
Liebherr catalogue dimension O (O)	1.945 mm
Liebherr catalogue dimension U (U)	1.949 mm
Liebherr catalogue dimension H1 (H1)	125 mm
Liebherr catalogue dimension H2 (H2)	125 mm
MOUNTING	
Outer ring bolt circle (La)	2.025 mm
Inner ring bolt circle (Li)	1.866 mm
La/Li mounting-hole count (n)	60
Mounting fastener specification (M)	24
Liebherr catalogue count n1 (n1)	8
GEAR	
Gear pitch diameter (d)	2.100 mm
Gear module (m)	12 mm
Gear tooth count (z)	175
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)	139,1 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	278,3 kN
Static load rating (Cstat)	19.830 kN
Dynamic load rating (Cdyn)	1.357 kN
PERFORMANCE RATINGS	
Rating Dynamic	1.357 kN Not simultaneous with other listed dynamic ratings
Rating Static	19.830 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	278,3 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	139,1 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	60 holes - 24
Inner ring mounting	60 holes - 24
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	175
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	113
Printed page	113

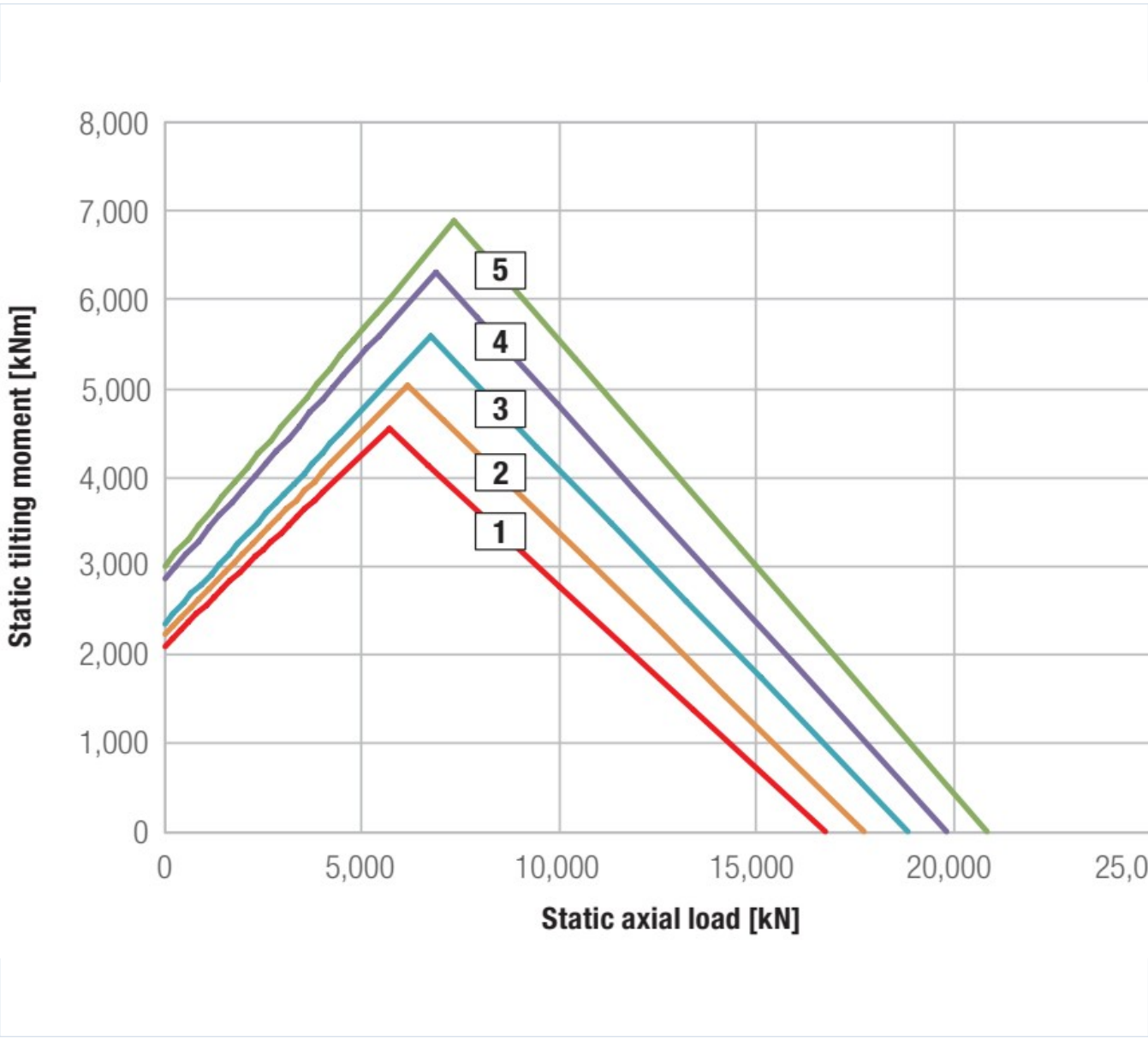
Complete Product Data

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-113-curve.webp SHA-256: 537937a83743ae98ee4f8be5db5539f53d59b2fb13a248cdb1874513224e56a8
Outline Drawing	liebherr-page-113-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-113-curve.webp | SHA-256: 537937a83743ae98ee4f8be5db5539f53d59b2fb13a248cdb1874513224e56a8

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 DE7777Q2WYPCWFDOU4ZFKUOHCE	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 113 Printed page 113
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/pt/produtos/rolamentos-de-giro-de-substituicao/liebherr/kud01947-035wa15-900-000/>

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