

Factory-Verified Replacement

MERYDOM KUD01850-035VA15-900-000

Certified for interchange with Liebherr KUD01850-035VA15-900-000. 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

KUD01850-035VA15-900-000

REFERENCE

Liebherr KUD01850-035VA15-900-000

SERIES

KUD_35_VA Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

2,037.6 mm

OVERALL ID

1,723 mm

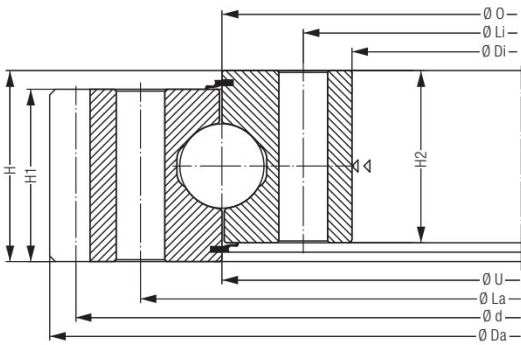
OVERALL HEIGHT

94 mm

GEAR

Dentatura esterna

Published Technical Drawing



liebherr-page-079-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	KUD01850-035VA15-900-000
Certified interchangeable with	Liebherr KUD01850-035VA15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	OIFIKYH3JLQJOTD3ZS5R3Q6NIA
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_VA Series
Reference model	KUD01850-035VA15-900-000
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Mass (Weight)	502 kg
Overall outside diameter (Da)	2.037,6 mm
Overall inside diameter (Di)	1.723 mm

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.

DIMENSION (CONTINUED)	
Overall height (H)	94 mm
Liebherr catalogue dimension O (O)	1.850 mm
Liebherr catalogue dimension U (U)	1.850 mm
Liebherr catalogue dimension H1 (H1)	82 mm
Liebherr catalogue dimension H2 (H2)	82 mm
MOUNTING	
Outer ring bolt circle (La)	1.925 mm
Inner ring bolt circle (Li)	1.775 mm
La/Li mounting-hole count (n)	52
Mounting fastener specification (M)	24
Liebherr catalogue count n1 (n1)	7
GEAR	
Gear pitch diameter (d)	2.004 mm
Gear module (m)	12 mm
Gear tooth count (z)	167
Addendum modification product x^*m (x^*m)	6 mm
Liebherr catalogue gear dimension k^*m (k^*m)	-1,2 mm
Gear face width (b)	82 mm
PERFORMANCE	
Standard tooth force (Fz standard)	90,32 kN

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.

PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	180,64 kN
Static load rating (Cstat)	9.420 kN
Dynamic load rating (Cdyn)	820 kN
PERFORMANCE RATINGS	
Rating Dynamic	820 kN Not simultaneous with other listed dynamic ratings
Rating Static	9.420 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	180,64 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	90,32 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	52 holes - 24
Inner ring mounting	52 holes - 24
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	167
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	79
Printed page	79

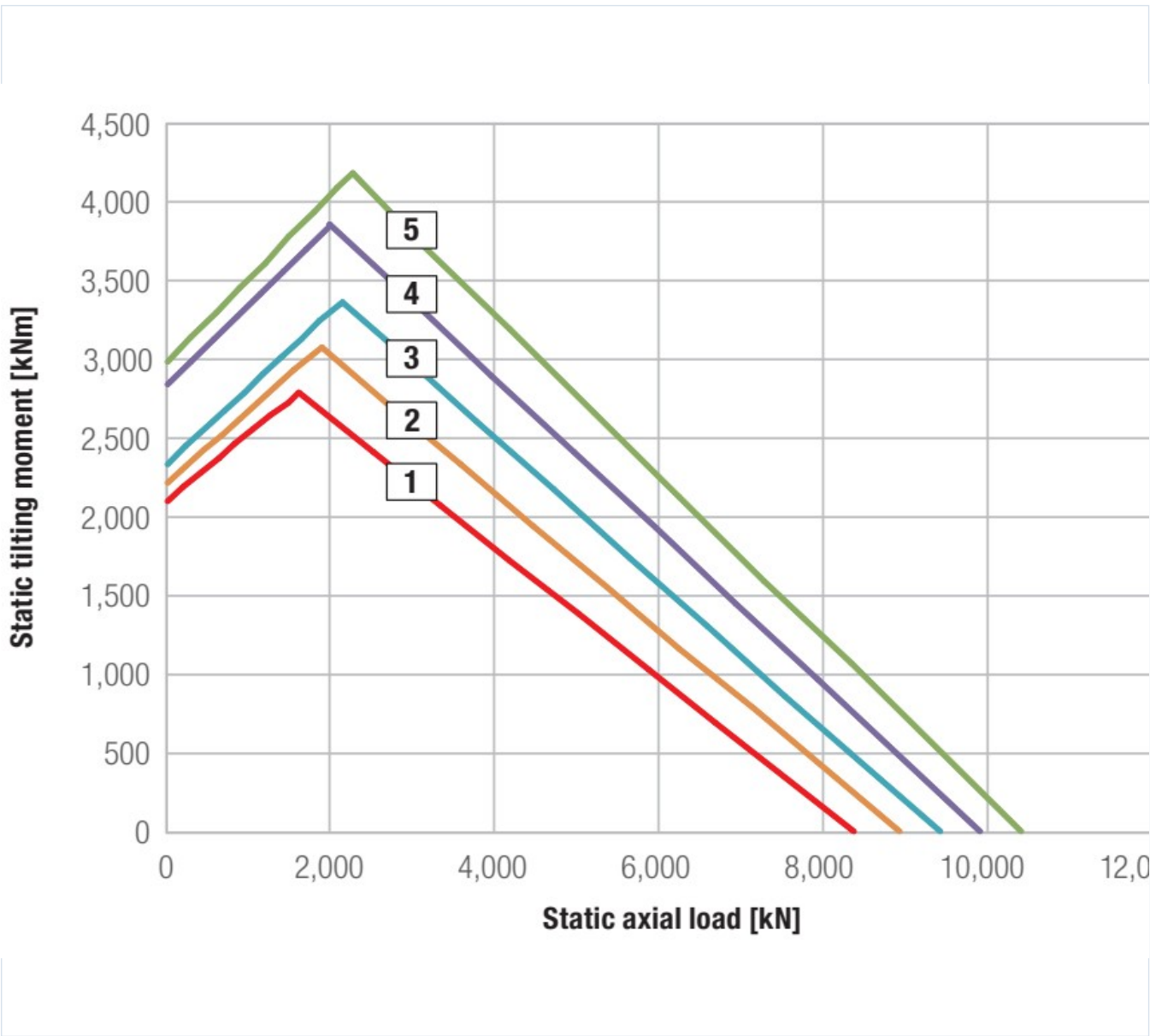
Complete Product Data

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-079-curve.webp SHA-256: bb12a602f7455bc64fbb73fb79771c3feda3b5c571390af814a4cb27934ec763
Outline Drawing	liebherr-page-079-drawing.webp SHA-256: db34e1504e6591931b5f3e1583fb348ba02ee25eefc0bb1683f460effedc2af2

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-079-curve.webp | SHA-256: bb12a602f7455bc64fbb73fb79771c3feda3b5c571390af814a4cb27934ec763

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 OIFIKYH3JLQJOTD3ZS5R3Q6NIA	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 79 Printed page 79
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/kud01850-035va15-900-000/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.