

Factory-Verified Replacement

MERYDOM KUD01656-035WJ15-900-000

Certified for interchange with Liebherr KUD01656-035WJ15-900-000. 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

KUD01656-035WJ15-900-000

REFERENCE

Liebherr KUD01656-035WJ15-900-000

SERIES

KUD_35_WJ Series

STRUCTURE

Double-row four-point contact ball

OVERALL OD

1,786 mm

OVERALL ID

1,466.4 mm

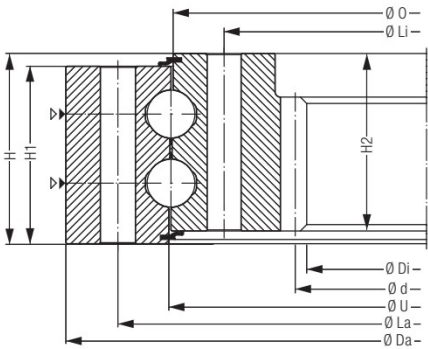
OVERALL HEIGHT

137 mm

GEAR

Internal gear

Published Technical Drawing



liebherr-page-118-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	KUD01656-035WJ15-900-000
Certified interchangeable with	Liebherr KUD01656-035WJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	ZBIZMPPB4L42ENLLDFY6FIFJQD
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_WJ Series
Reference model	KUD01656-035WJ15-900-000
Bearing structure	Double-row four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (Weight)	678 kg
Overall outside diameter (Da)	1,786 mm
Overall inside diameter (Di)	1,466.4 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	137 mm
Liebherr catalogue dimension O (O)	1,654 mm
Liebherr catalogue dimension U (U)	1,658 mm
Liebherr catalogue dimension H1 (H1)	125 mm
Liebherr catalogue dimension H2 (H2)	125 mm
MOUNTING	
Outer ring bolt circle (La)	1,734 mm
Inner ring bolt circle (Li)	1,575 mm
La/Li mounting-hole count (n)	52
Mounting fastener specification (M)	24
Liebherr catalogue count n1 (n1)	7
GEAR	
Gear pitch diameter (d)	1,476 mm
Gear module (m)	12 mm
Gear tooth count (z)	123
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

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fz maximum)	278.3 kN
Static load rating (Cstat)	16,856 kN
Dynamic load rating (Cdyn)	1,278 kN
PERFORMANCE RATINGS	
Rating Dynamic	1,278 kN Not simultaneous with other listed dynamic ratings
Rating Static	16,856 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	52 holes - 24
Inner ring mounting	52 holes - 24
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	123
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	118
Printed page	118

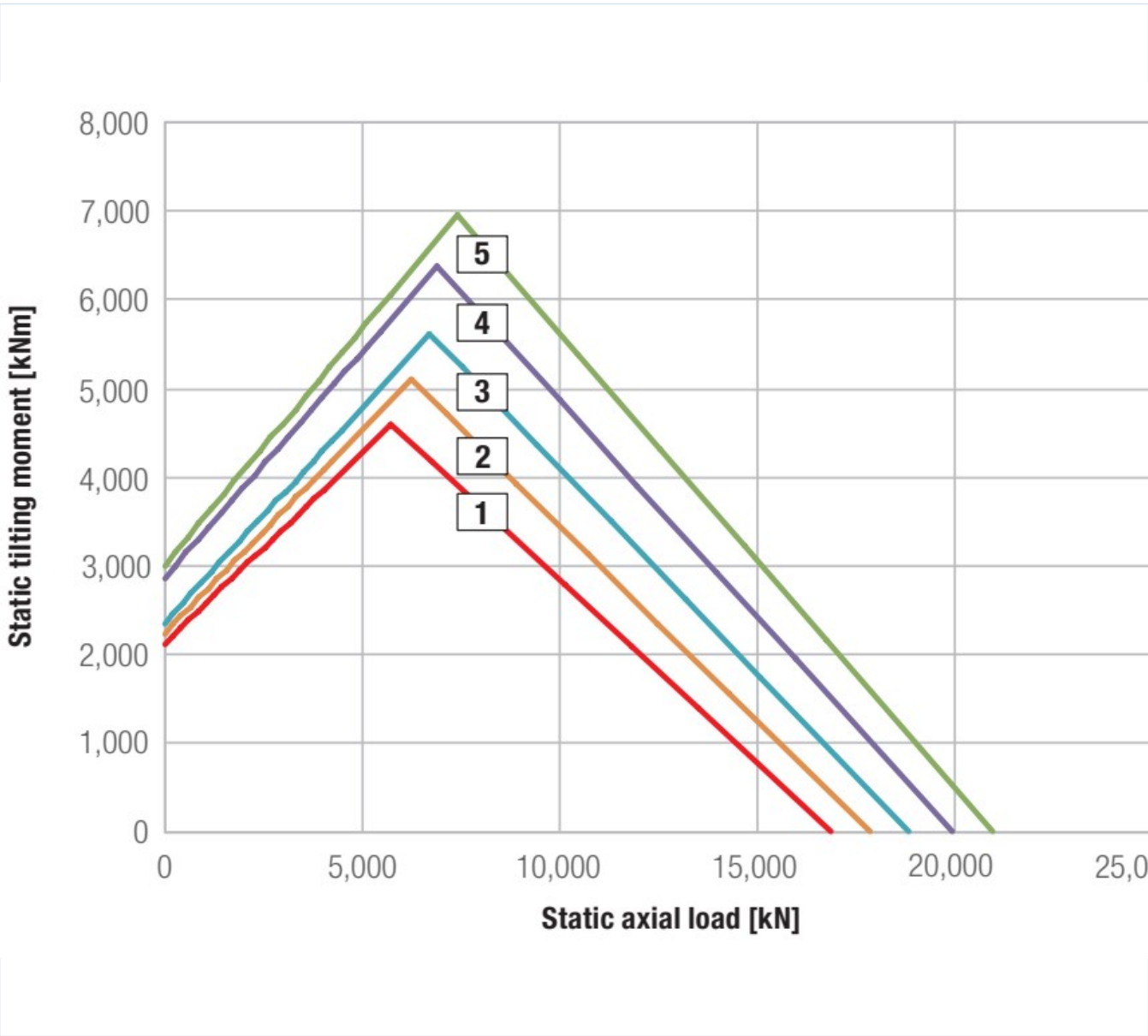
Complete Product Data

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-118-curve.webp SHA-256: d02dd5c88108299a554420ec509bcc4dd38f62b95bcfe1f6f9c5c9050b43a89c
Outline Drawing	liebherr-page-118-drawing.webp SHA-256: 045f7fdb911ba958483d28739099f7408193a4aeac033411f11a77da3c9aa2d

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-118-curve.webp | SHA-256: d02dd5c88108299a554420ec509bcc4dd38f62b95bcfe1f6f9c5c9050b43a89c

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 ZBIZMPPB4L42ENLLDFY6FIFJQD	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 118 Printed page 118
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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/liebherr/kud01656-035wj15-900-000/>

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