

Factory-Verified Replacement

MERYDOM KUD02800-050VJ15-900-000

Certified for interchange with Liebherr KUD02800-050VJ15-900-000. 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

KUD02800-050VJ15-900-000

REFERENCE

Liebherr KUD02800-050VJ15-900-000

SERIES

KUD_50_VJ Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

2,971 mm

OVERALL ID

2,544 mm

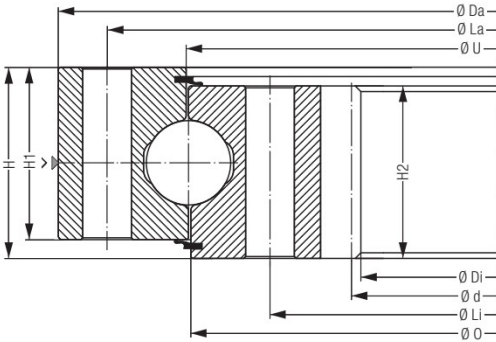
OVERALL HEIGHT

109 mm

GEAR

Engrenagem interna

Published Technical Drawing



liebherr-page-091-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	KUD02800-050VJ15-900-000
Certified interchangeable with	Liebherr KUD02800-050VJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	WZIMVH4OXV4UHM3UKM3K7BVI6Z
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_VJ Series
Reference model	KUD02800-050VJ15-900-000
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (Weight)	1.205 kg
Overall outside diameter (Da)	2.971 mm
Overall inside diameter (Di)	2.544 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	109 mm
Liebherr catalogue dimension O (O)	2.800 mm
Liebherr catalogue dimension U (U)	2.800 mm
Liebherr catalogue dimension H1 (H1)	100 mm
Liebherr catalogue dimension H2 (H2)	99 mm
MOUNTING	
Outer ring bolt circle (La)	2.905 mm
Inner ring bolt circle (Li)	2.695 mm
La/Li mounting-hole count (n)	60
Mounting fastener specification (M)	30
Liebherr catalogue count n1 (n1)	12
GEAR	
Gear pitch diameter (d)	2.560 mm
Gear module (m)	16 mm
Gear tooth count (z)	160
Addendum modification product x^*m (x^*m)	-8 mm
Gear face width (b)	100 mm
PERFORMANCE	
Standard tooth force (Fz standard)	146,8 kN
Maximum tooth force (Fz maximum)	293,6 kN

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PERFORMANCE (CONTINUED)	
Static load rating (Cstat)	20.361 kN
Dynamic load rating (Cdyn)	1.379 kN
PERFORMANCE RATINGS	
Rating Dynamic	1.379 kN Not simultaneous with other listed dynamic ratings
Rating Static	20.361 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	293,6 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	146,8 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	16 mm
Number of teeth	160
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	91
Printed page	91
Source language	EN

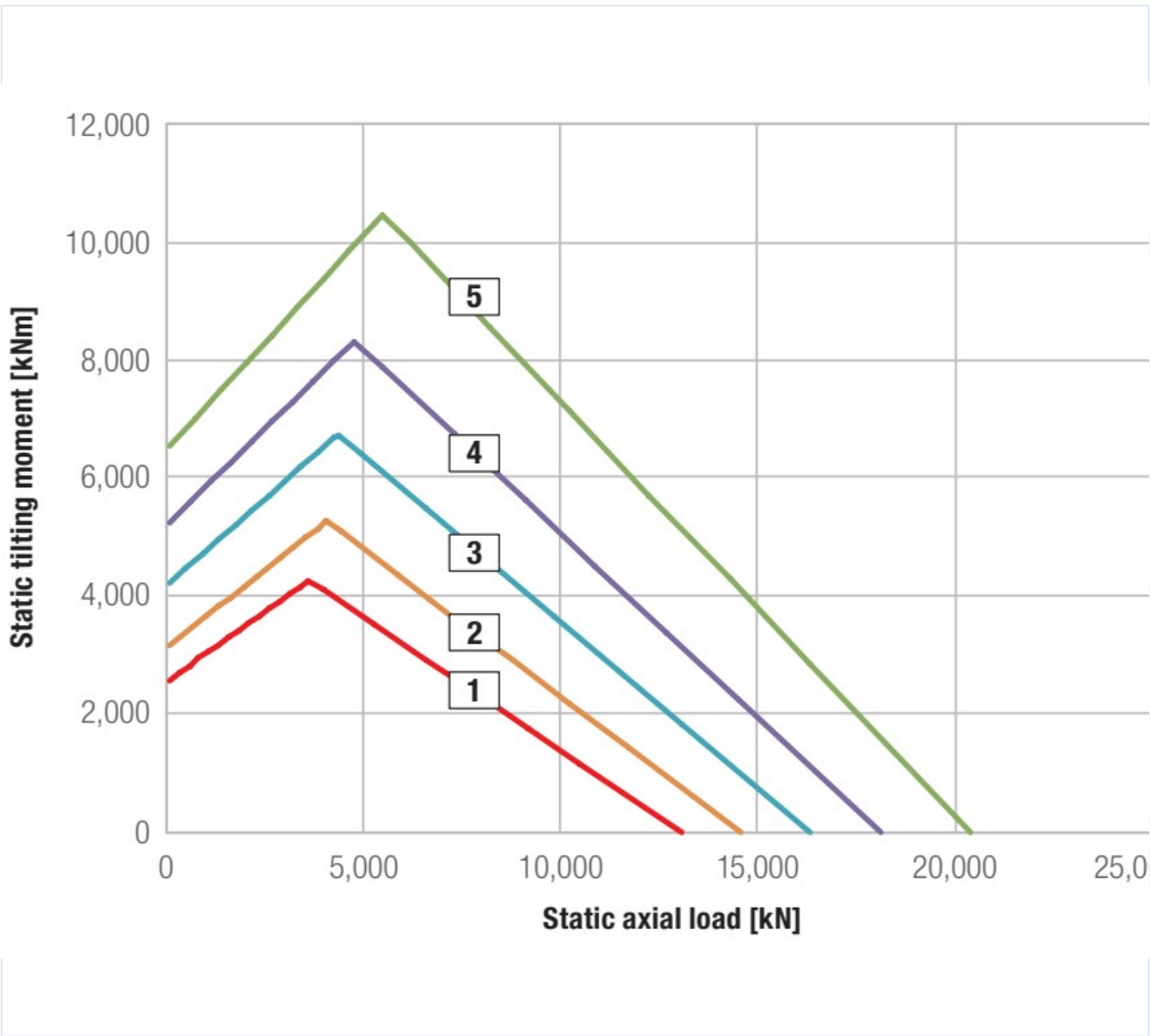
Complete Product Data

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SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Mixed_metric_dp_threads
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-091-curve.webp SHA-256: bb7f8a5d97110f2257a913007eaa84237c5c35951f82b522d4cefa567605df55
Outline Drawing	liebherr-page-091-drawing.webp SHA-256: 309092ae3609de9172f8627cb28f5bbf35b037ac2dcb36c5ee54848749d8b83b

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-091-curve.webp | SHA-256: bb7f8a5d97110f2257a913007eaa84237c5c35951f82b522d4cefa567605df55

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 WZIMVH4OXV4UHM3UKM3K7BVI6Z	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 91 Printed page 91
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/kud02800-050vj15-900-000/>

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