

Factory-Verified Replacement

MERYDOM ROD01600-021DJ15-900-000

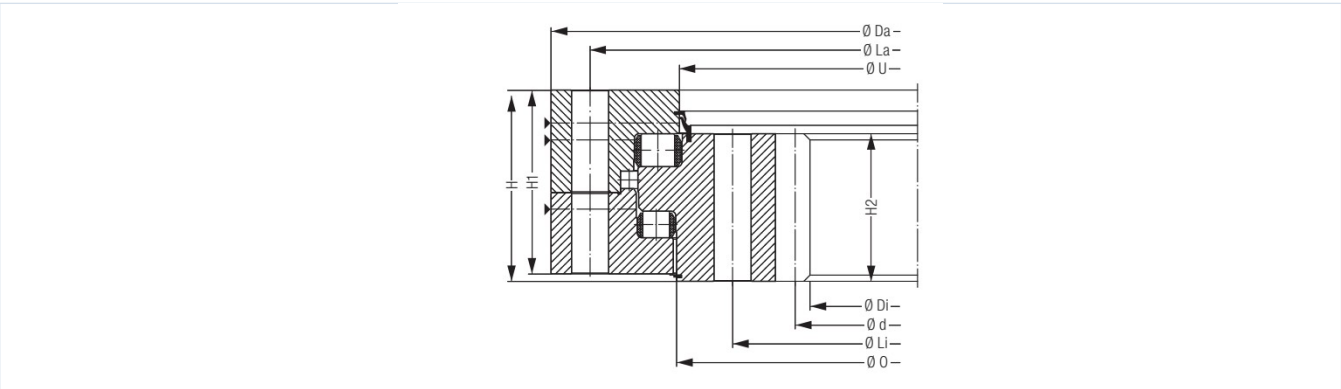
Certified for interchange with Liebherr ROD01600-021DJ15-900-000. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
ROD01600-021DJ15-900-000	Liebherr ROD01600-021DJ15-900-000
SERIES	STRUCTURE
ROD_21_DJ Series	Rolos de tr s carreiras
OVERALL OD	OVERALL ID
1,747 mm	1,372 mm
OVERALL HEIGHT	GEAR
132 mm	Engrenagem interna

Published Technical Drawing



liebherr-page-141-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	ROD01600-021DJ15-900-000
Certified interchangeable with	Liebherr ROD01600-021DJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	OM6ZVPFLOMX4IQY5H64CDBYEVK
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	ROD_21_DJ Series
Reference model	ROD01600-021DJ15-900-000
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (Weight)	705 kg
Overall outside diameter (Da)	1.747 mm
Overall inside diameter (Di)	1.372 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	132 mm
Liebherr catalogue dimension O (O)	1.569 mm
Liebherr catalogue dimension U (U)	1.568 mm
Liebherr catalogue dimension H1 (H1)	123 mm
Liebherr catalogue dimension H2 (H2)	106 mm
MOUNTING	
Outer ring bolt circle (La)	1.695 mm
Inner ring bolt circle (Li)	1.495 mm
La/Li mounting-hole count (n)	40
Mounting fastener specification (M)	24
Liebherr catalogue count n1 (n1)	4
GEAR	
Gear pitch diameter (d)	1.386 mm
Gear module (m)	14 mm
Gear tooth count (z)	99
Addendum modification product x^*m (x^*m)	-7 mm
Gear face width (b)	106 mm
PERFORMANCE	
Standard tooth force (Fz standard)	136,2 kN
Maximum tooth force (Fz maximum)	272,4 kN

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PERFORMANCE (CONTINUED)	
Static load rating (Cstat)	10.876 kN
Dynamic load rating (Cdyn)	1.405 kN
PERFORMANCE RATINGS	
Rating Dynamic	1.405 kN Not simultaneous with other listed dynamic ratings
Rating Static	10.876 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	272,4 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	136,2 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	40 holes - 24
Inner ring mounting	40 holes - 24
GEAR INTERFACE	
Pitch system	module
Module reference	14 mm
Number of teeth	99
SOURCE TRACEABILITY	
Source document code	LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
Source file	liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf
PDF page	141
Printed page	141
Source language	EN

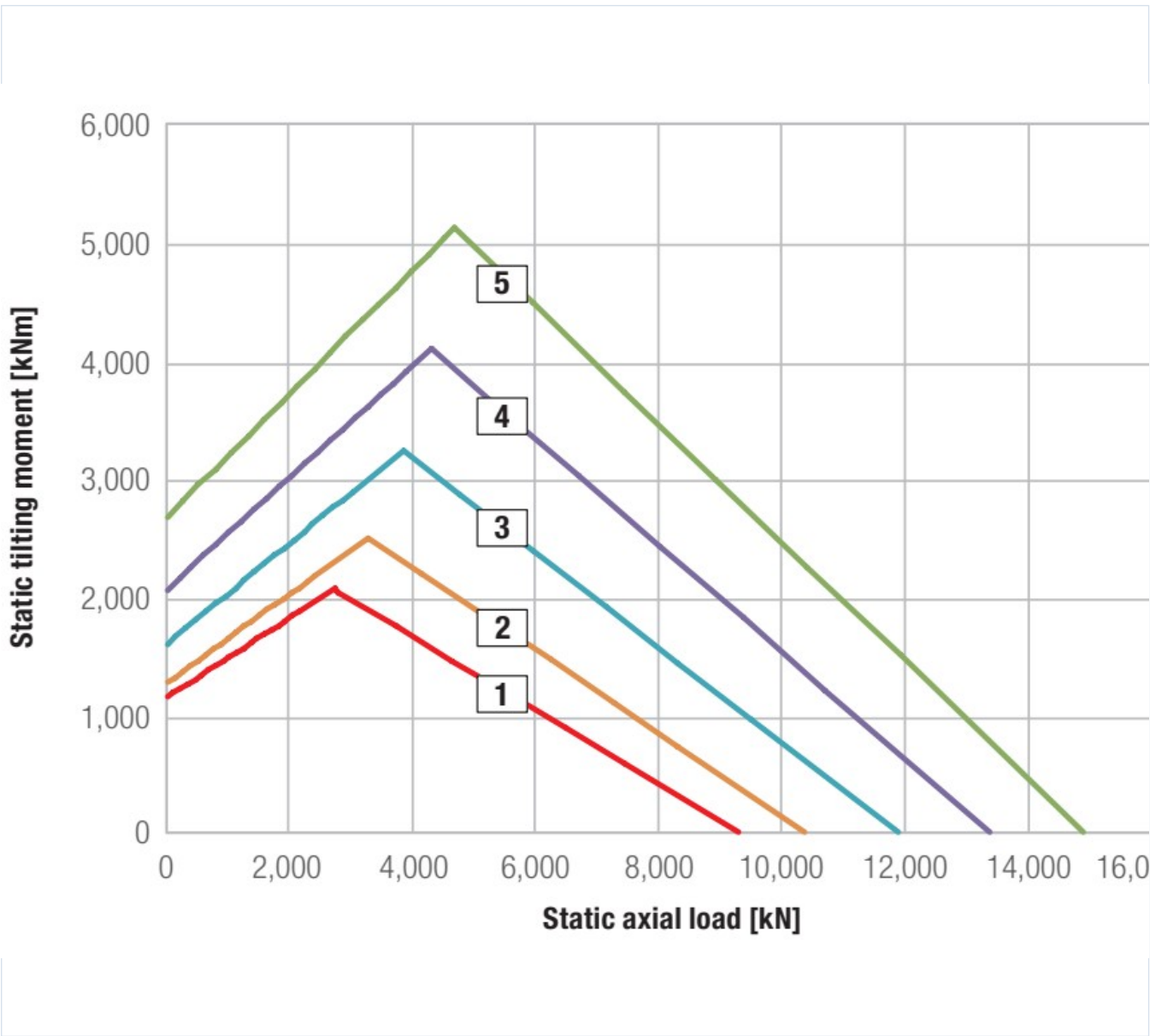
Complete Product Data

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SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Mixed_metric_dp_threads
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	liebherr-page-141-curve.webp SHA-256: 3f30c12480676259fb9cf1885a4bdf6f40eba419ebf4225b0b99d4e343b98f17
Outline Drawing	liebherr-page-141-drawing.webp SHA-256: a5ff11e86281ccb88e96d0dfa40395f490159575f31c681342942e040de5408b

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-141-curve.webp | SHA-256: 3f30c12480676259fb9cf1885a4bdf6f40eba419ebf4225b0b99d4e343b98f17

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

OM6ZVPFLOMX4IQY5H64CDBYEVK

SOURCE FILE

liebherr-slewing-bearings-product-ca
talogue-pt-metric-web.pdf

VERIFICATION

Level 3 - MERYDOM Engineering
Verified

SOURCE DOCUMENT

LIEBHERR-SLEWING-BEARINGS-PRODUCT-CA
TALOGUE-2018

SOURCE LOCATION

PDF page 141 | Printed page 141

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/rod01600-021dj15-900-000/>

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