

Factory-Verified Replacement

MERYDOM ROD01800-021DJ15-900-000

Certified for interchange with Liebherr ROD01800-021DJ15-900-000. 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

ROD01800-021DJ15-900-000

REFERENCE

Liebherr ROD01800-021DJ15-900-000

SERIES

ROD_21_DJ Series

STRUCTURE

s ral makaral

OVERALL OD

1,947 mm

OVERALL ID

1,552 mm

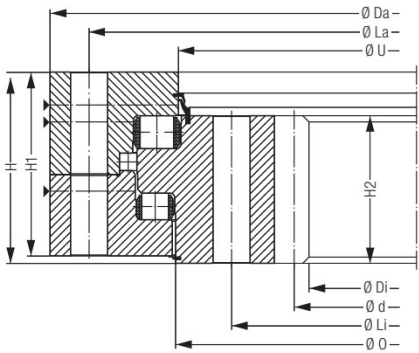
OVERALL HEIGHT

132 mm

GEAR

ten di li

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	ROD01800-021DJ15-900-000
Certified interchangeable with	Liebherr ROD01800-021DJ15-900-000
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	ZEDOWOJ5ZHUYMQ3G4YVQMIHYB
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	ROD01800-021DJ15-900-000
Bearing structure	s ral makaral
Gear arrangement	ten di li
DIMENSION	
Mass (Weight)	829 kg
Overall outside diameter (Da)	1 947 mm
Overall inside diameter (Di)	1 552 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	132 mm
Liebherr catalogue dimension O (O)	1 769 mm
Liebherr catalogue dimension U (U)	1 768 mm
Liebherr catalogue dimension H1 (H1)	123 mm
Liebherr catalogue dimension H2 (H2)	106 mm
MOUNTING	
Outer ring bolt circle (La)	1 895 mm
Inner ring bolt circle (Li)	1 695 mm
La/Li mounting-hole count (n)	46
Mounting fastener specification (M)	24
Liebherr catalogue count n1 (n1)	5
GEAR	
Gear pitch diameter (d)	1 568 mm
Gear module (m)	16 mm
Gear tooth count (z)	98
Addendum modification product x^*m (x^*m)	-8 mm
Gear face width (b)	106 mm
PERFORMANCE	
Standard tooth force (Fz standard)	155,8 kN
Maximum tooth force (Fz maximum)	311,2 kN

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PERFORMANCE (CONTINUED)	
Static load rating (Cstat)	13 378 kN
Dynamic load rating (Cdyn)	1 496 kN
PERFORMANCE RATINGS	
Rating Dynamic	1 496 kN Not simultaneous with other listed dynamic ratings
Rating Static	13 378 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	311,2 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Standard	155,8 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	46 holes - 24
Inner ring mounting	46 holes - 24
GEAR INTERFACE	
Pitch system	module
Module reference	16 mm
Number of teeth	98
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

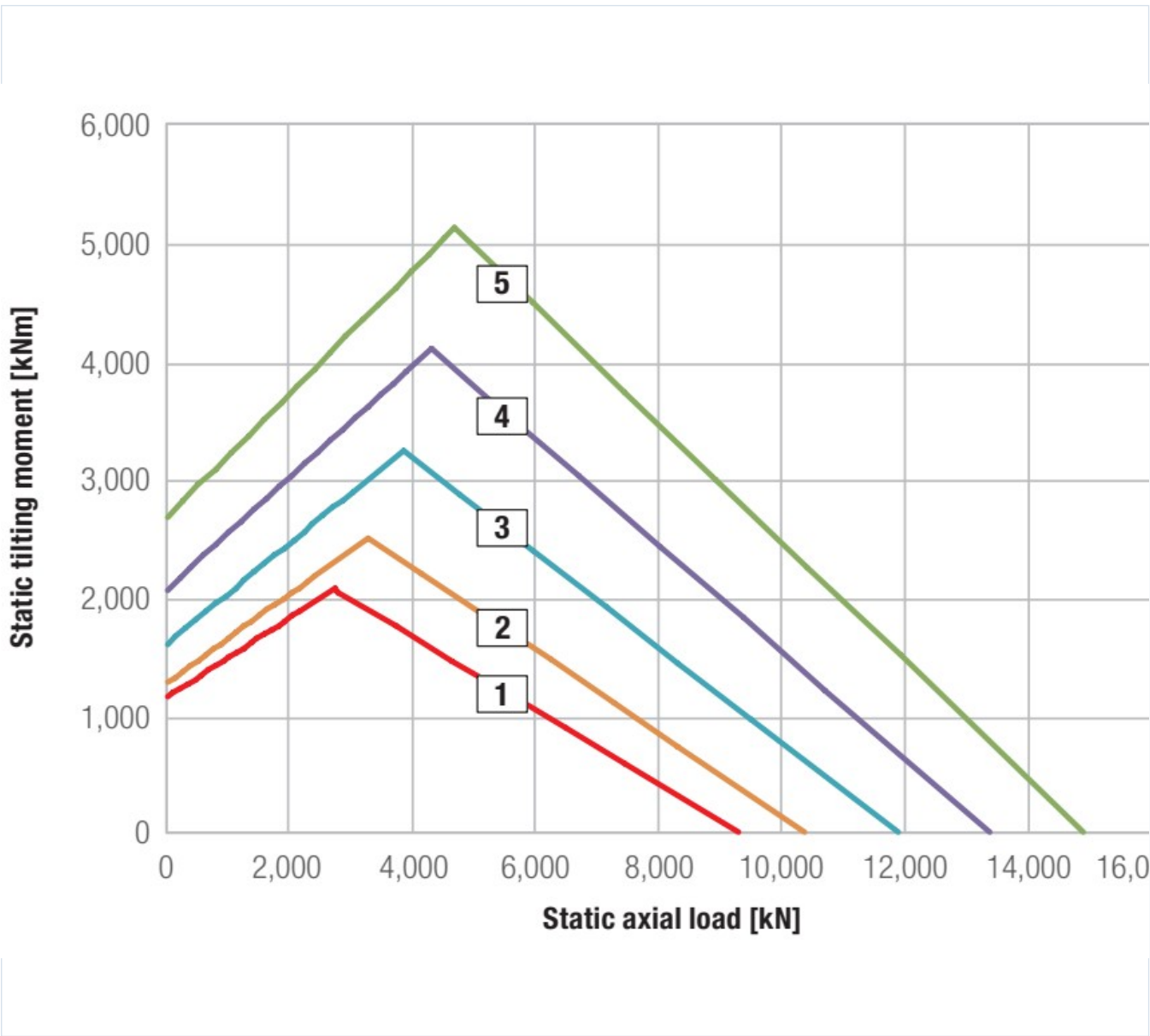
Complete Product Data

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)	
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 ZEDOWOJ5ZHZUYM3G4YVQMIHYB	SOURCE DOCUMENT LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018
SOURCE FILE liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf	SOURCE LOCATION PDF page 141 Printed page 141
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/tr/urunler/muadil-doner-tabla-rulmanlari/liebherr/rod01800-021dj15-900-000/>

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