

Factory-Verified Replacement

MERYDOM ROD03762-032DJ15-900-000

Certified for interchange with Liebherr ROD03762-032DJ15-900-000. 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

ROD03762-032DJ15-900-000

REFERENCE

Liebherr ROD03762-032DJ15-900-000

SERIES

ROD\_32\_DJ Series

STRUCTURE

Rulli a tre file

OVERALL OD

4,000 mm

OVERALL ID

3,424 mm

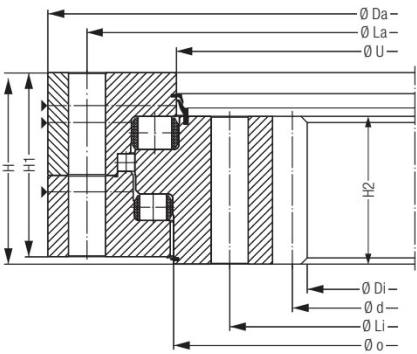
OVERALL HEIGHT

220 mm

GEAR

Dentatura interna

Published Technical Drawing



liebherr-page-133-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                        | ROD03762-032DJ15-900-000               |
| Certified interchangeable with       | Liebherr ROD03762-032DJ15-900-000      |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | 77LV6VNRIBYCHFIM7YPRLDDBNP             |
| 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_32_DJ Series                       |
| Reference model                      | ROD03762-032DJ15-900-000               |
| Bearing structure                    | Rulli a tre file                       |
| Gear arrangement                     | Dentatura interna                      |
| DIMENSION                            |                                        |
| Mass (Weight)                        | 4.200 kg                               |
| Overall outside diameter (Da)        | 4.000 mm                               |
| Overall inside diameter (Di)         | 3.424 mm                               |

Complete Product Data

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| DIMENSION (CONTINUED)                       |          |
|---------------------------------------------|----------|
| Overall height (H)                          | 220 mm   |
| Liebherr catalogue dimension O (O)          | 3.718 mm |
| Liebherr catalogue dimension U (U)          | 3.700 mm |
| Liebherr catalogue dimension H1 (H1)        | 205 mm   |
| Liebherr catalogue dimension H2 (H2)        | 180 mm   |
| MOUNTING                                    |          |
| Outer ring bolt circle (La)                 | 3.916 mm |
| Inner ring bolt circle (Li)                 | 3.612 mm |
| La/Li mounting-hole count (n)               | 120      |
| Mounting fastener specification (M)         | 36       |
| Liebherr catalogue count n1 (n1)            | 12       |
| GEAR                                        |          |
| Gear pitch diameter (d)                     | 3.440 mm |
| Gear module (m)                             | 20 mm    |
| Gear tooth count (z)                        | 172      |
| Addendum modification product x*m (x*m)     | -10 mm   |
| Liebherr catalogue gear dimension k*m (k*m) | -2 mm    |
| Gear face width (b)                         | 180 mm   |
| PERFORMANCE                                 |          |
| Standard tooth force (Fz standard)          | 313 kN   |

Complete Product Data

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| PERFORMANCE (CONTINUED)          |                                                                |
|----------------------------------|----------------------------------------------------------------|
| Maximum tooth force (Fz maximum) | 626 kN                                                         |
| Static load rating (Cstat)       | 76.108 kN                                                      |
| Dynamic load rating (Cdyn)       | 6.048 kN                                                       |
| PERFORMANCE RATINGS              |                                                                |
| Rating Dynamic                   | 6.048 kN   Not simultaneous with other listed dynamic ratings  |
| Rating Static                    | 76.108 kN   Not simultaneous with other listed dynamic ratings |
| Rating Tooth Force Max           | 626 kN   Not simultaneous with other listed dynamic ratings    |
| Rating Tooth Force Standard      | 313 kN   Not simultaneous with other listed dynamic ratings    |
| MOUNTING INTERFACES              |                                                                |
| Outer ring mounting              | 120 holes - 36                                                 |
| Inner ring mounting              | 120 holes - 36                                                 |
| GEAR INTERFACE                   |                                                                |
| Pitch system                     | module                                                         |
| Module reference                 | 20 mm                                                          |
| Number of teeth                  | 172                                                            |
| SOURCE TRACEABILITY              |                                                                |
| Source document code             | LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018               |
| Source file                      | liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf  |
| PDF page                         | 133                                                            |
| Printed page                     | 133                                                            |

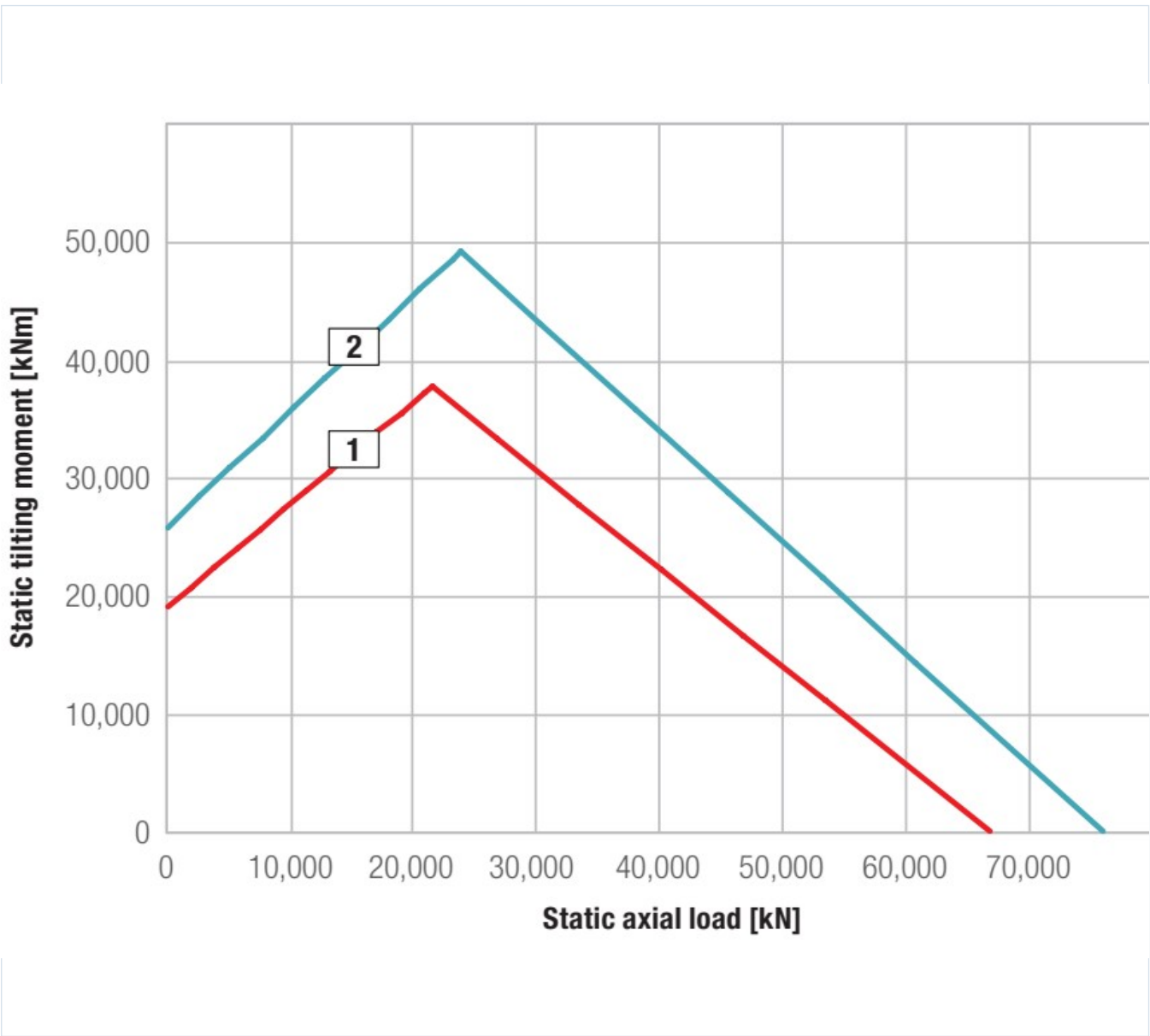
Complete Product Data

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-133-curve.webp   SHA-256:<br>34595bd4f34e8e26789440571a2e66ba1eb29f88ae97ddfd42a38628831e3965   |
| Outline Drawing                 | liebherr-page-133-drawing.webp   SHA-256:<br>e4fecb9e46537e1eee475e29dd6cb6c2dbd8ebeac4493ccac8409321040c3630 |

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-133-curve.webp | SHA-256: 34595bd4f34e8e26789440571a2e66ba1eb29f88ae97ddfd42a38628831e3965

Engineering note: final approval must also consider mounting rigidity, bolt capacity, duty cycle, lubrication, temperature, environment and installation conditions.

Source and Verification Traceability

|                                                                                          |                                                                                 |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <p>PUBLIC RECORD UID</p> <p>77LV6VNRIBYCHFIM7YPRLDDBNP</p>                               | <p>SOURCE DOCUMENT</p> <p>LIEBHERR-SLEWING-BEARINGS-PRODUCT-CA TALOGUE-2018</p> |
| <p>SOURCE FILE</p> <p>liebherr-slewing-bearings-product-ca talogue-pt-metric-web.pdf</p> | <p>SOURCE LOCATION</p> <p>PDF page 133   Printed page 133</p>                   |
| <p>VERIFICATION</p> <p>Level 3 - MERYDOM Engineering Verified</p>                        | <p>REVIEWED BY</p> <p>MERYDOM Engineering Department</p>                        |

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/rod03762-032dj15-900-000/>

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