

Factory-Verified Replacement

MERYDOM KUD01524-025VA15-900-000

Certified for interchange with Liebherr KUD01524-025VA15-900-000. 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

KUD01524-025VA15-900-000

REFERENCE

Liebherr KUD01524-025VA15-900-000

SERIES

KUD\_25\_VA Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

1,672.3 mm

OVERALL ID

1,371.6 mm

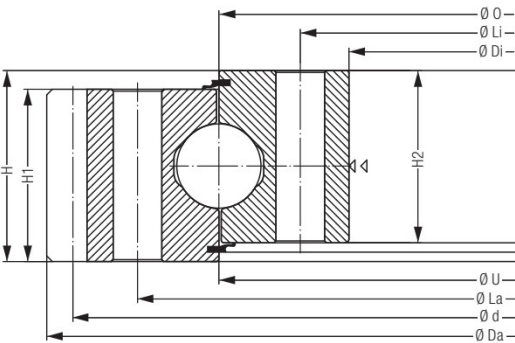
OVERALL HEIGHT

88.9 mm

GEAR

Engrenagem externa

Published Technical Drawing



liebherr-page-077-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                        | KUD01524-025VA15-900-000               |
| Certified interchangeable with       | Liebherr KUD01524-025VA15-900-000      |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | EYMDOYMJ5B4RTMGJVCV6J4O3IC             |
| 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_25_VA Series                       |
| Reference model                      | KUD01524-025VA15-900-000               |
| Bearing structure                    | Esferas de contato de quatro pontos    |
| Gear arrangement                     | Engrenagem externa                     |
| DIMENSION                            |                                        |
| Mass (Weight)                        | 363,6 kg                               |
| Overall outside diameter (Da)        | 1.672,3 mm                             |
| Overall inside diameter (Di)         | 1.371,6 mm                             |

## Complete Product Data

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| DIMENSION (CONTINUED)                |              |
|--------------------------------------|--------------|
| Overall height (H)                   | 88,9 mm      |
| Liebherr catalogue dimension O (O)   | 1.524 mm     |
| Liebherr catalogue dimension U (U)   | 1.524 mm     |
| Liebherr catalogue dimension H1 (H1) | 76,2 mm      |
| Liebherr catalogue dimension H2 (H2) | 76,2 mm      |
| MOUNTING                             |              |
| Outer ring bolt circle (La)          | 1.593,85 mm  |
| Inner ring bolt circle (Li)          | 1.441,45 mm  |
| La/Li mounting-hole count (n)        | 44/48        |
| Mounting fastener specification (M)  | 3/4 - 10 UNC |
| Liebherr catalogue count n1 (n1)     | 6            |
| GEAR                                 |              |
| Gear pitch diameter (d)              | 1.656,08 mm  |
| Diametral pitch (Pd)                 | 2,5 1/in     |
| Gear tooth count (z)                 | 163          |
| Gear face width (b)                  | 76,2 mm      |
| PERFORMANCE                          |              |
| Standard tooth force (Fz standard)   | 42,46 kN     |
| Maximum tooth force (Fz maximum)     | 84,92 kN     |
| Static load rating (Cstat)           | 5.533 kN     |

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| PERFORMANCE (CONTINUED)     |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Dynamic load rating (Cdyn)  | 535 kN                                                        |
| PERFORMANCE RATINGS         |                                                               |
| Rating Dynamic              | 535 kN   Not simultaneous with other listed dynamic ratings   |
| Rating Static               | 5.533 kN   Not simultaneous with other listed dynamic ratings |
| Rating Tooth Force Max      | 84,92 kN   Not simultaneous with other listed dynamic ratings |
| Rating Tooth Force Standard | 42,46 kN   Not simultaneous with other listed dynamic ratings |
| MOUNTING INTERFACES         |                                                               |
| Outer ring mounting         | 44 holes - 3/4 - 10 UNC                                       |
| Inner ring mounting         | 48 holes - 3/4 - 10 UNC                                       |
| GEAR INTERFACE              |                                                               |
| Pitch system                | DP                                                            |
| Diametral pitch             | 2.5 DP                                                        |
| Number of teeth             | 163                                                           |
| SOURCE TRACEABILITY         |                                                               |
| Source document code        | LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018              |
| Source file                 | liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf |
| PDF page                    | 77                                                            |
| Printed page                | 77                                                            |
| Source language             | EN                                                            |
| Original unit system        | Mixed_metric_dp_threads                                       |

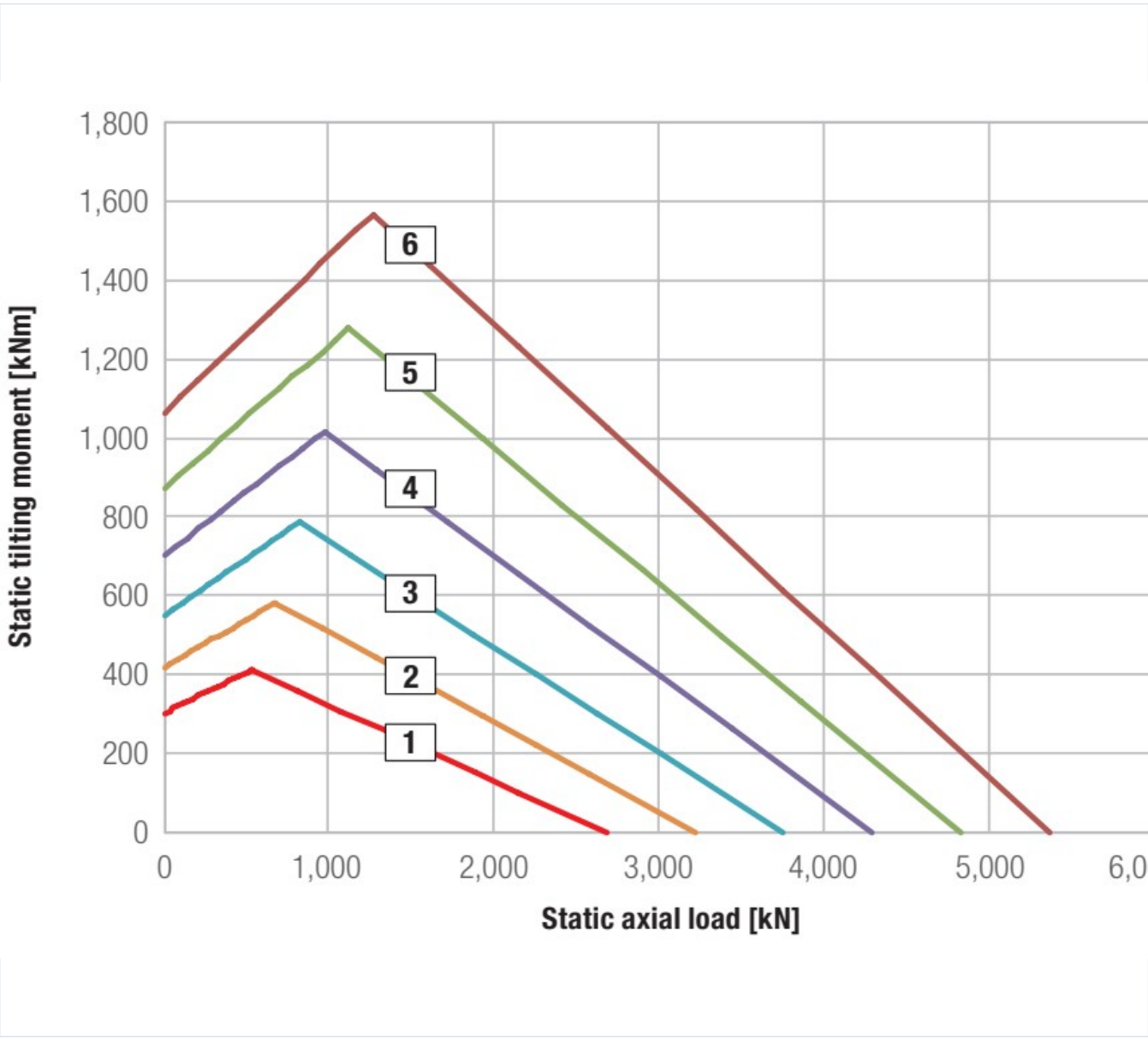
Complete Product Data

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| PUBLISHED TECHNICAL MEDIA |                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------|
| Load Curve Chart          | liebherr-page-077-curve.webp   SHA-256:<br>ee5240814a9e25ca26b469ccfac9d81fccc7a62e0cfb4e61d94ef6a4872efe32   |
| Outline Drawing           | liebherr-page-077-drawing.webp   SHA-256:<br>db34e1504e6591931b5f3e1583fb348ba02ee25eefc0bb1683f460effedc2af2 |

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-077-curve.webp | SHA-256: ee5240814a9e25ca26b469ccfac9d81fcc7a62e0cfb4e61d94ef6a4872efe32

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

EYMDOYMJ5B4RTMGJVCV6J4O3IC

### 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 77 | Printed page 77

### 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/kud01524-025va15-900-000/>

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