

Factory-Verified Replacement

MERYDOM KUD01800-040VO15-900-000

Certified for interchange with Liebherr KUD01800-040VO15-900-000. 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

KUD01800-040VO15-900-000

REFERENCE

Liebherr KUD01800-040VO15-900-000

SERIES

KUD\_40\_VO Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

1,945 mm

OVERALL ID

1,655 mm

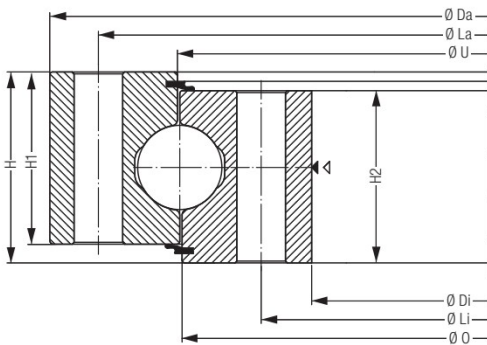
OVERALL HEIGHT

104 mm

GEAR

Sem engrenagem

Published Technical Drawing



liebherr-page-096-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                        | KUD01800-040VO15-900-000               |
| Certified interchangeable with       | Liebherr KUD01800-040VO15-900-000      |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | BOS3RQNDCBOG5IO2N2UPDCSPYN             |
| 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_40_VO Series                       |
| Reference model                      | KUD01800-040VO15-900-000               |
| Bearing structure                    | Esferas de contato de quatro pontos    |
| Gear arrangement                     | Sem engrenagem                         |
| DIMENSION                            |                                        |
| Mass (Weight)                        | 516 kg                                 |
| Overall outside diameter (Da)        | 1.945 mm                               |
| Overall inside diameter (Di)         | 1.655 mm                               |

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.

| DIMENSION (CONTINUED)                |                                                                |
|--------------------------------------|----------------------------------------------------------------|
| Overall height (H)                   | 104 mm                                                         |
| Liebherr catalogue dimension O (O)   | 1.800 mm                                                       |
| Liebherr catalogue dimension U (U)   | 1.800 mm                                                       |
| Liebherr catalogue dimension H1 (H1) | 92 mm                                                          |
| Liebherr catalogue dimension H2 (H2) | 92 mm                                                          |
| MOUNTING                             |                                                                |
| Outer ring bolt circle (La)          | 1.885 mm                                                       |
| Inner ring bolt circle (Li)          | 1.715 mm                                                       |
| La/Li mounting-hole count (n)        | 52                                                             |
| Mounting fastener specification (M)  | 27                                                             |
| Liebherr catalogue count n1 (n1)     | 7                                                              |
| PERFORMANCE                          |                                                                |
| Static load rating (Cstat)           | 10.442 kN                                                      |
| Dynamic load rating (Cdyn)           | 929 kN                                                         |
| PERFORMANCE RATINGS                  |                                                                |
| Rating Dynamic                       | 929 kN   Not simultaneous with other listed dynamic ratings    |
| Rating Static                        | 10.442 kN   Not simultaneous with other listed dynamic ratings |
| MOUNTING INTERFACES                  |                                                                |
| Outer ring mounting                  | 52 holes - 27                                                  |
| Inner ring mounting                  | 52 holes - 27                                                  |

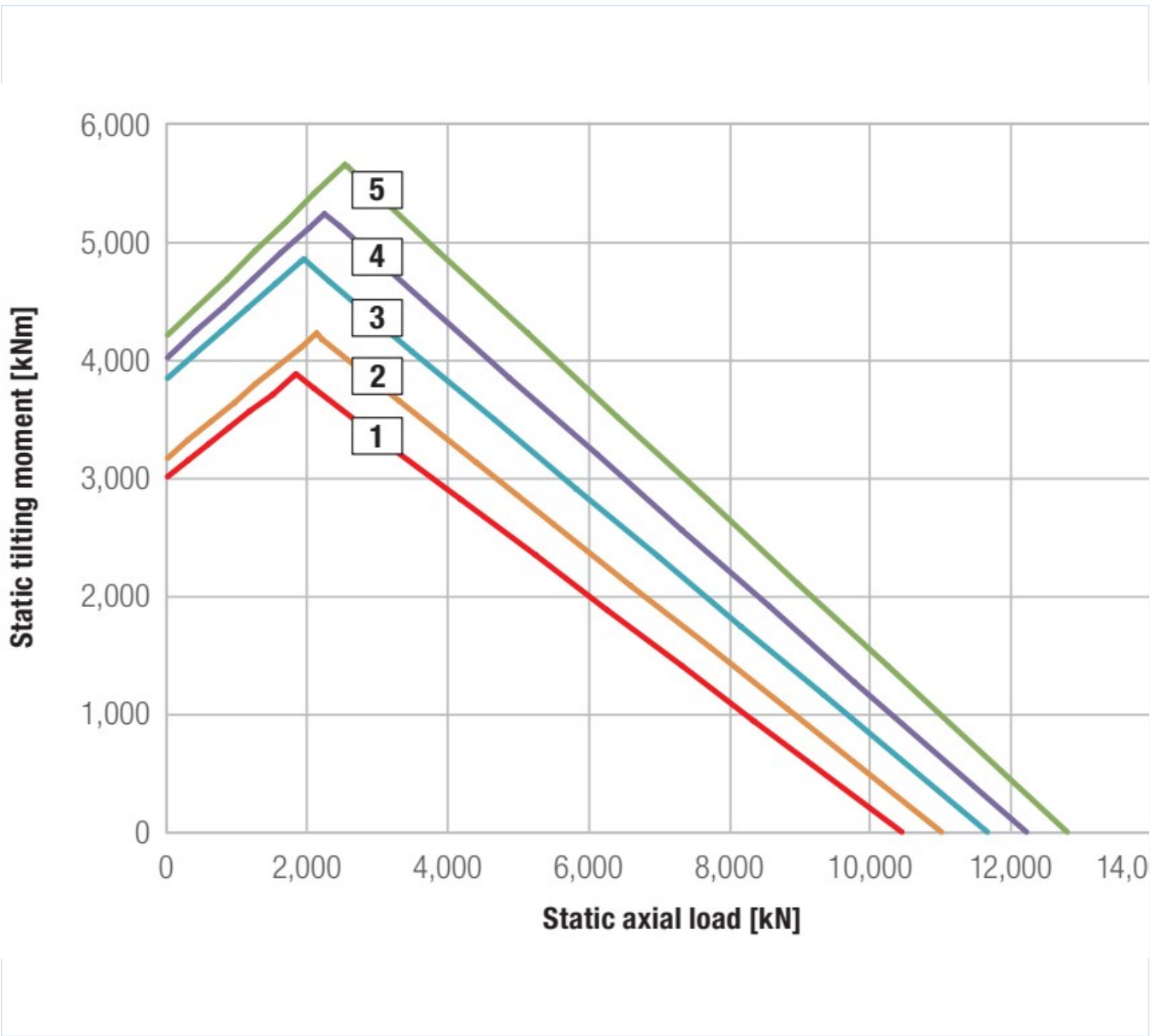
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

| GEAR INTERFACE            |                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------|
| Integral gear             | Not applicable - ungeared bearing                                                                             |
| SOURCE TRACEABILITY       |                                                                                                               |
| Source document code      | LIEBHERR-SLEWING-BEARINGS-PRODUCT-CATALOGUE-2018                                                              |
| Source file               | liebherr-slewing-bearings-product-catalogue-pt-metric-web.pdf                                                 |
| PDF page                  | 96                                                                                                            |
| Printed page              | 96                                                                                                            |
| Source language           | EN                                                                                                            |
| Original unit system      | Mixed_metric_dp_threads                                                                                       |
| PUBLISHED TECHNICAL MEDIA |                                                                                                               |
| Load Curve Chart          | liebherr-page-096-curve.webp   SHA-256:<br>4f26686c9d5bc6b26908f6a06409de21e4377262ab1f52b4f7ae9d348b42e664   |
| Outline Drawing           | liebherr-page-096-drawing.webp   SHA-256:<br>25da85435c5b8f27bd6eaf320c6127ebc7c47c3a0deedc848b18ceaca59a4215 |

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-096-curve.webp | SHA-256: 4f26686c9d5bc6b26908f6a06409de21e4377262ab1f52b4f7ae9d348b42e664

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

**BOS3RQNDPCBOG5IO2N2UPDCSPYN**

### 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 96 | Printed page 96**

### 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](mailto:jovi@merydom.com) | Email: [andi@merydom.com](mailto:andi@merydom.com) | WhatsApp: +86 17705201170

Product page:

<https://rotnex.com/pt/produtos/rolamentos-de-giro-de-substituicao/liebherr/kud01800-040vo15-900-000/>

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