

Factory-Verified Replacement

MERYDOM 02-2022-00

Certified for interchange with ROLLIX 02-2022-00. 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  
02-2022-00

REFERENCE  
ROLLIX 02-2022-00

SERIES  
02 Series

STRUCTURE  
Esferas de contato de quatro pontos de uma carreira

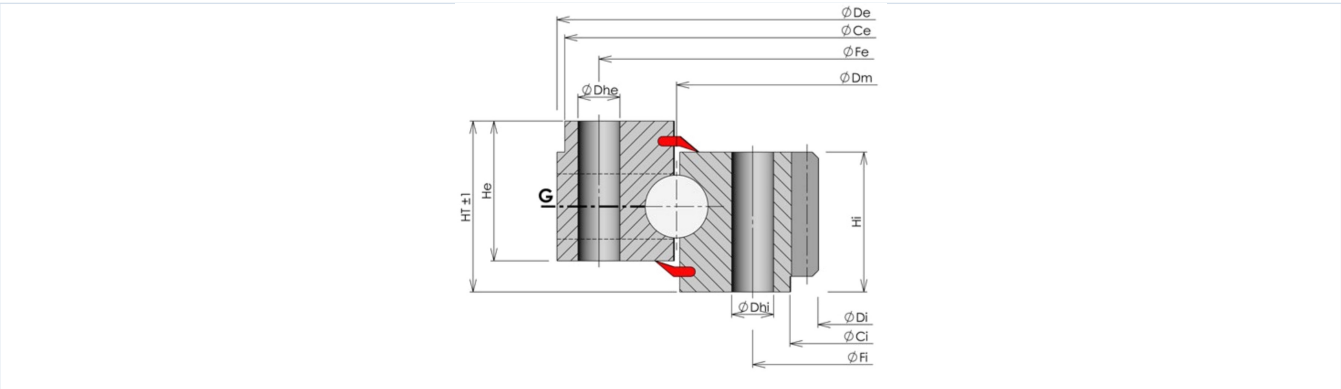
OVERALL OD  
2,195 mm

OVERALL ID  
1,780 mm

OVERALL HEIGHT  
130 mm

GEAR  
Engrenagem interna

Published Technical Drawing



rollix-page-074-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                        | 02-2022-00                                          |
| Certified interchangeable with       | ROLLIX 02-2022-00                                   |
| Verification status                  | Level 3 - MERYDOM Engineering Verified              |
| Reviewed by                          | MERYDOM Engineering Department                      |
| Public record UID                    | DCRCZGVDRWRQ3Y5TX6FJ577XW6                          |
| MATERIALS                            |                                                     |
| Configurable ring material options   | 42CrMo / 50Mn                                       |
| Seal material                        | NBR - Nitrile rubber                                |
| Configurable spacer material options | Engineering nylon / Brass                           |
| IDENTIFICATION                       |                                                     |
| Reference brand                      | ROLLIX                                              |
| Reference series                     | 02 Series                                           |
| Reference model                      | 02-2022-00                                          |
| Bearing structure                    | Esferas de contato de quatro pontos de uma carreira |
| Gear arrangement                     | Engrenagem interna                                  |
| DIMENSION                            |                                                     |
| Overall height (HT)                  | 130 mm                                              |
| Overall outside diameter (Dia De)    | 2.195 mm                                            |
| Outer ring height (He)               | 110 mm                                              |

Complete Product Data

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| DIMENSION (CONTINUED)                                |          |
|------------------------------------------------------|----------|
| Overall inside diameter (Dia Di)                     | 1.780 mm |
| Inner ring height (Hi)                               | 120 mm   |
| Assembly weight (Weight)                             | 967 kg   |
| MOUNTING                                             |          |
| Outer ring pilot diameter (Dia Ce)                   | 2.190 mm |
| Inner ring pilot diameter (Dia Ci)                   | 2.010 mm |
| Outer ring hole type (External ring hole type)       | Th       |
| Outer ring bolt circle (Dia Fe)                      | 2.123 mm |
| Outer ring mounting-hole count (Ne)                  | 48       |
| Outer ring mounting-hole specification (Dhe)         | 33 mm    |
| Inner ring hole type (Inner ring hole type)          | Th       |
| Inner ring bolt circle (Dia Fi)                      | 1.921 mm |
| Inner ring mounting-hole count (Ni)                  | 48       |
| Inner ring mounting-hole specification (Dhi)         | 33 mm    |
| GEAR                                                 |          |
| Gear module (Module)                                 | 16 mm    |
| Gear tooth count (Z)                                 | 112      |
| Gear face width (W)                                  | 120 mm   |
| PERFORMANCE                                          |          |
| Gear capacity, unhardened (Gear capacity unhardened) | 371 kN   |

Complete Product Data

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| PERFORMANCE (CONTINUED)                             |                                                             |
|-----------------------------------------------------|-------------------------------------------------------------|
| Gear capacity, hardened (Gear capacity hardened)    | 431 kN                                                      |
| MISCELLANEOUS                                       |                                                             |
| Ring with greasing holes (Ring with greasing holes) | E                                                           |
| Greasing hole type (Greasing hole type)             | R                                                           |
| PERFORMANCE RATINGS                                 |                                                             |
| Rating Gear Capacity Hardened                       | 431 kN   Not simultaneous with other listed dynamic ratings |
| Rating Gear Capacity Unhardened                     | 371 kN   Not simultaneous with other listed dynamic ratings |
| MOUNTING INTERFACES                                 |                                                             |
| Outer ring mounting                                 | 48 holes - External ring hole type Th; Dhe 33 mm            |
| Inner ring mounting                                 | 48 holes - Inner ring hole type Th; Dhi 33 mm               |
| GEAR INTERFACE                                      |                                                             |
| Pitch system                                        | module                                                      |
| Module reference                                    | 16 mm                                                       |
| Number of teeth                                     | 112                                                         |
| SOURCE TRACEABILITY                                 |                                                             |
| Source document code                                | ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07                      |
| Source file                                         | ROLLIX.pdf                                                  |
| PDF page                                            | 74                                                          |
| Printed page                                        | 74                                                          |
| Source language                                     | EN                                                          |

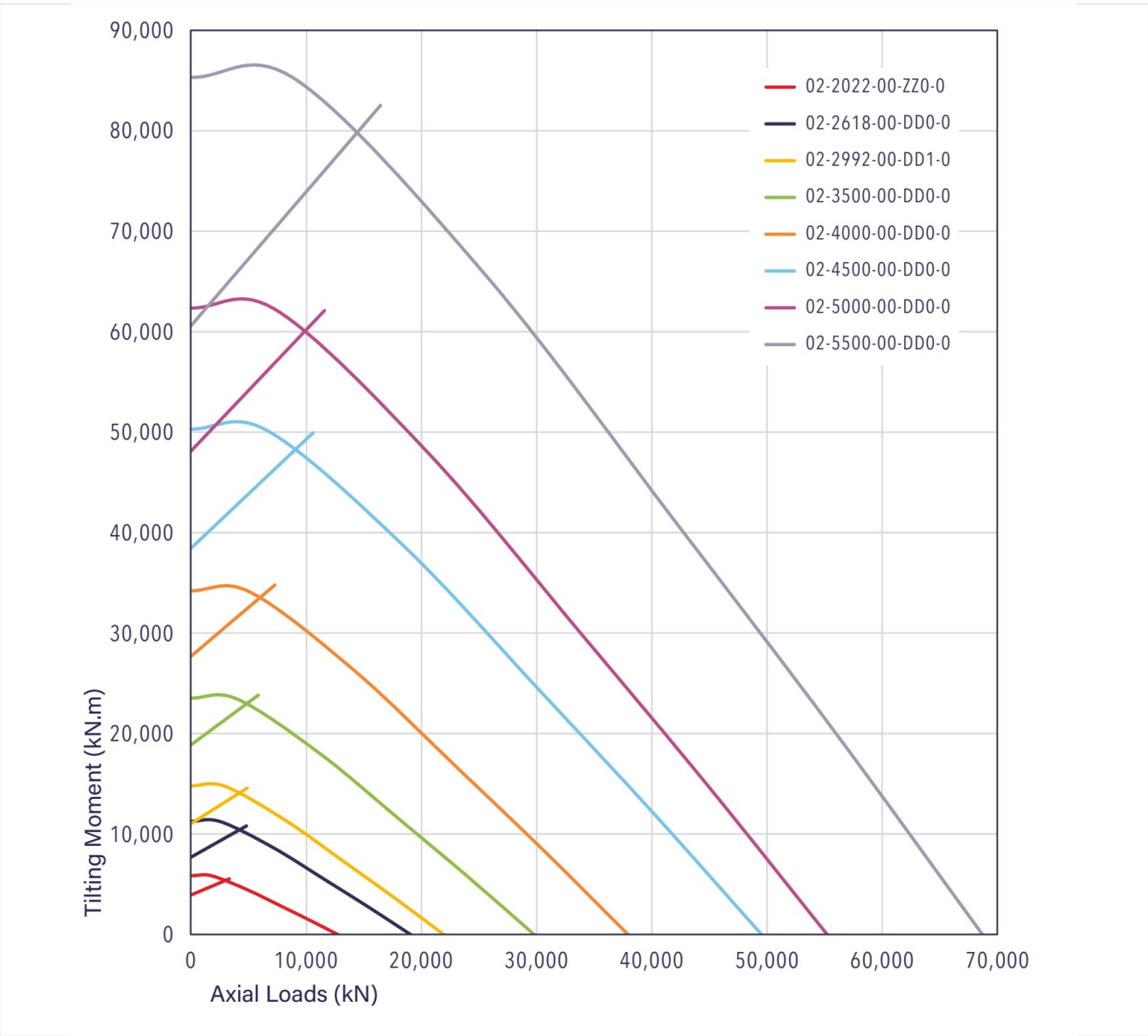
Complete Product Data

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| SOURCE TRACEABILITY (CONTINUED) |                                                                                                             |
|---------------------------------|-------------------------------------------------------------------------------------------------------------|
| Original unit system            | Metric                                                                                                      |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                             |
| Load Curve Chart                | rollix-page-074-curve.webp   SHA-256:<br>2e1b2996703386411f3dc857a87e245863e9d90e931f1744e92600a036661b47   |
| Outline Drawing                 | rollix-page-074-drawing.webp   SHA-256:<br>8723a1a98f1d8789f166d5455936db12c5e368dd77132d9955cccd0eb38d4538 |

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.



rollix-page-074-curve.webp | SHA-256: 2e1b2996703386411f3dc857a87e245863e9d90e931f1744e92600a036661b47

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

Source and Verification Traceability

|                                                                               |                                                                              |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <div>PUBLIC RECORD UID</div> <div>DCRCZGVDRWRQ3Y5TX6FJ577XW6</div>            | <div>SOURCE DOCUMENT</div> <div>ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07</div> |
| <div>SOURCE FILE</div> <div>ROLLIX.pdf</div>                                  | <div>SOURCE LOCATION</div> <div>PDF page 74   Printed page 74</div>          |
| <div>VERIFICATION</div> <div>Level 3 - MERYDOM Engineering<br/>Verified</div> | <div>REVIEWED BY</div> <div>MERYDOM Engineering Department</div>             |

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/rollix/02-2022-00/>

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