Factory-Verified Replacement

# MERYDOM 01-1050-00

Certified for interchange with ROLLIX 01-1050-00. 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

**01-1050-00**

REFERENCE

**ROLLIX 01-1050-00**

SERIES

**01 Series**

STRUCTURE

**Sfere a quattro punti di contatto a una corona**

OVERALL OD

**1,218 mm**

OVERALL ID

**930 mm**

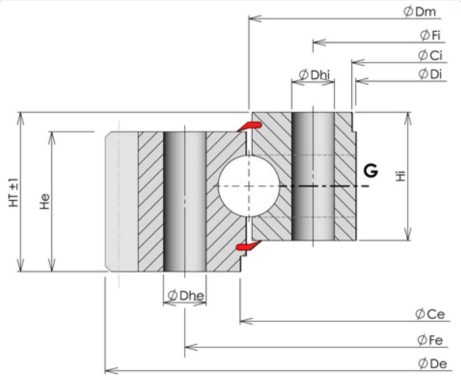
OVERALL HEIGHT

**98 mm**

GEAR

**Dentatura esterna**

## Published Technical Drawing




rollix-page-067-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** | 01-1050-00 |
| **Certified interchangeable with** | ROLLIX 01-1050-00 |
| **Verification status** | Level 3 - MERYDOM Engineering Verified |
| **Reviewed by** | MERYDOM Engineering Department |
| **Public record UID** | N2FNG2GAV7A5MOSPTUW7EBLJT2 |
| **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** | 01 Series |
| **Reference model** | 01-1050-00 |
| **Bearing structure** | Sfere a quattro punti di contatto a una corona |
| **Gear arrangement** | Dentatura esterna |
| **DIMENSION** | |
| **Overall height (HT)** | 98 mm |
| **Overall outside diameter (Dia De)** | 1.218 mm |
| **Outer ring height (He)** | 88 mm |

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| | |
|---|---|
| **DIMENSION (CONTINUED)** | |
| **Overall inside diameter (Dia Di)** | 930 mm |
| **Inner ring height (Hi)** | 80 mm |
| **Assembly weight (Weight)** | 264 kg |
| **MOUNTING** | |
| **Outer ring pilot diameter (Dia Ce)** | 1.060 mm |
| **Inner ring pilot diameter (Dia Ci)** | 935 mm |
| **Outer ring hole type (External ring hole type)** | Th |
| **Outer ring bolt circle (Dia Fe)** | 1.125 mm |
| **Outer ring mounting-hole count (Ne)** | 40 |
| **Outer ring mounting-hole specification (Dhe)** | 22 mm |
| **Inner ring hole type (Inner ring hole type)** | Th |
| **Inner ring bolt circle (Dia Fi)** | 975 mm |
| **Inner ring mounting-hole count (Ni)** | 40 |
| **Inner ring mounting-hole specification (Dhi)** | 22 mm |
| **GEAR** | |
| **Gear module (Module)** | 10 mm |
| **Gear tooth count (Z)** | 119 |
| **Gear face width (W)** | 88 mm |
| **PERFORMANCE** | |
| **Gear capacity, unhardened (Gear capacity unhardened)** | 131 kN |

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| | |
|---|---|
| **PERFORMANCE (CONTINUED)** | |
| **Gear capacity, hardened (Gear capacity hardened)** | 175 kN |
| **MISCELLANEOUS** | |
| **Ring with greasing holes (Ring with greasing holes)** | I |
| **Greasing hole type (Greasing hole type)** | R |
| **PERFORMANCE RATINGS** | |
| **Rating Gear Capacity Hardened** | 175 kN \| Not simultaneous with other listed dynamic ratings |
| **Rating Gear Capacity Unhardened** | 131 kN \| Not simultaneous with other listed dynamic ratings |
| **MOUNTING INTERFACES** | |
| **Outer ring mounting** | 40 holes - External ring hole type Th; Dhe 22 mm |
| **Inner ring mounting** | 40 holes - Inner ring hole type Th; Dhi 22 mm |
| **GEAR INTERFACE** | |
| **Pitch system** | module |
| **Module reference** | 10 mm |
| **Number of teeth** | 119 |
| **SOURCE TRACEABILITY** | |
| **Source document code** | ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07 |
| **Source file** | ROLLIX.pdf |
| **PDF page** | 67 |
| **Printed page** | 67 |
| **Source language** | EN |

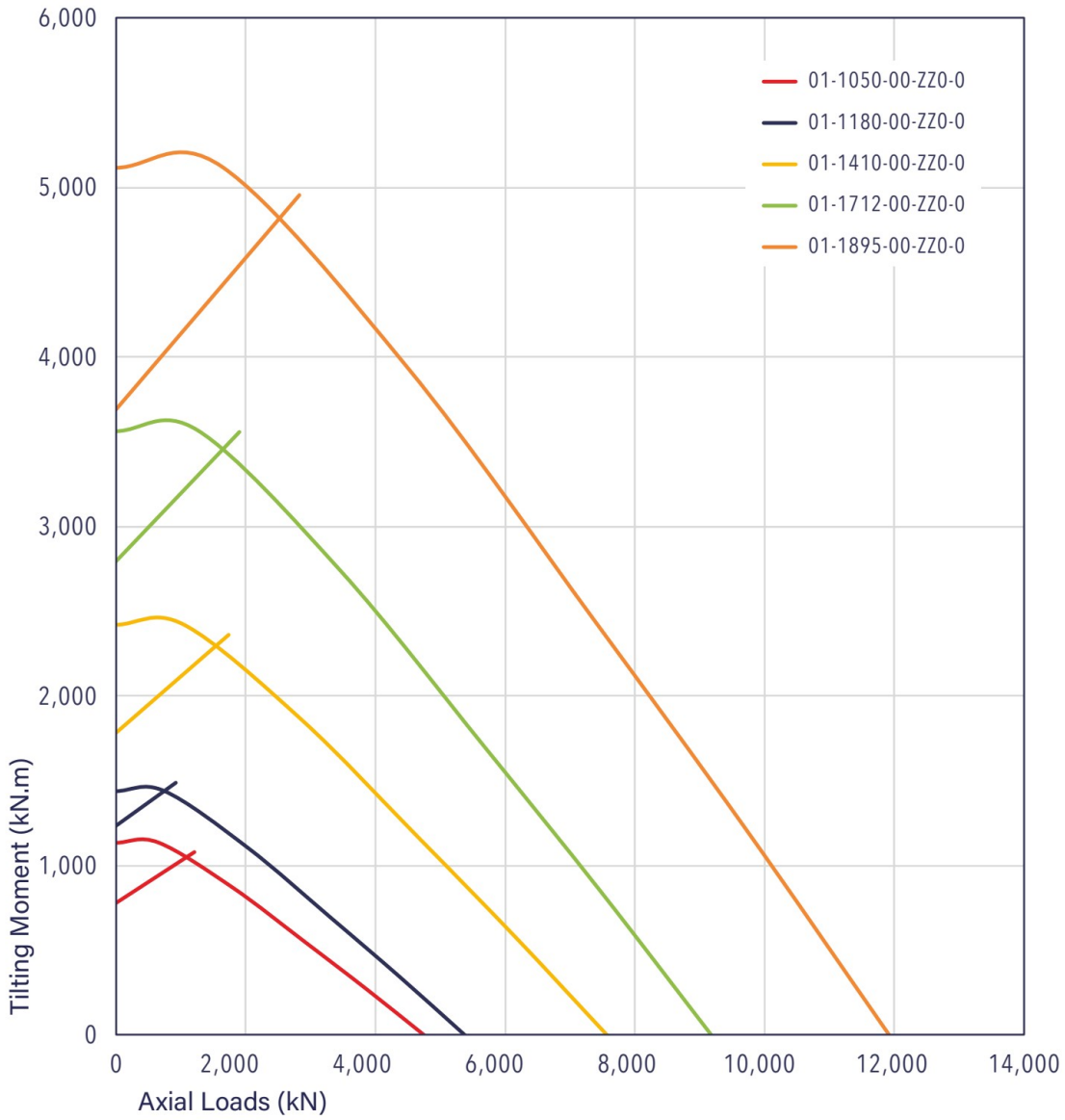
# Complete Product Data

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** | Metric |
| **PUBLISHED TECHNICAL MEDIA** | |
| **Load Curve Chart** | rollix-page-067-curve.webp \| SHA-256: 33e4edec1002aa24aa40c62e0e4ecb629c0308c2405a332e1c67ba5cbeea0f36 |
| **Outline Drawing** | rollix-page-067-drawing.webp \| SHA-256: 3d6f0cbf07fbf535b531eb1dd278984759e3c4235b90ed51a2da613082d71ac5 |

# 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-067-curve.webp | SHA-256: 33e4edec1002aa24aa40c62e0e4ecb629c0308c2405a332e1c67ba5cbeea0f36

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

**N2FNG2GAV7A5MOSPTUW7EBLJT2**

SOURCE DOCUMENT

**ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07**

SOURCE FILE

**ROLLIX.pdf**

SOURCE LOCATION

**PDF page 67 | Printed page 67**

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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/rollix/01-1050-00/