Factory-Verified Replacement

MERYDOM 01-3031-00

Certified for interchange with ROLLIX 01-3031-00. 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

01-3031-00

REFERENCE

ROLLIX 01-3031-00

SERIES

01 Series

STRUCTURE

Sfere a quattro punti di contatto a una corona

OVERALL OD

3,198 mm

OVERALL ID

2,914 mm

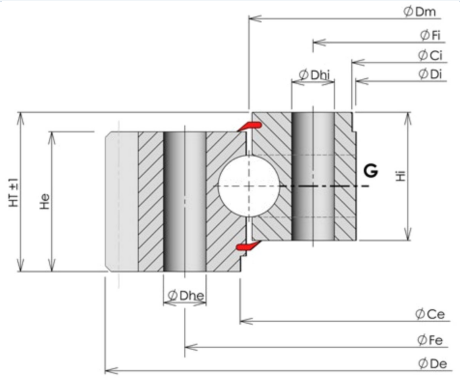
OVERALL HEIGHT

90 mm

GEAR

Dentatura esterna

Published Technical Drawing



rollix-page-070-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	01-3031-00
Certified interchangeable with	ROLLIX 01-3031-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	5UUNMKOUTQMIRI7VJ5PN5ZBJTB
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	01-3031-00
Bearing structure	Sfere a quattro punti di contatto a una corona
Gear arrangement	Dentatura esterna
DIMENSION	
Overall height (HT)	90 mm
Overall outside diameter (Dia De)	3.198 mm
Outer ring height (He)	77 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Dia Di)	2.914 mm
Inner ring height (Hi)	77 mm
Assembly weight (Weight)	719 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	3.029 mm
Inner ring pilot diameter (Dia Ci)	3.032 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	3.104 mm
Outer ring mounting-hole count (Ne)	48
Outer ring mounting-hole specification (Dhe)	22 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	2.958 mm
Inner ring mounting-hole count (Ni)	48
Inner ring mounting-hole specification (Dhi)	22 mm
GEAR	
Gear module (Module)	10 mm
Gear tooth count (Z)	318
Gear face width (W)	77 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	120 kN

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	159 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	159 kN | Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	120 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - External ring hole type Th; Dhe 22 mm
Inner ring mounting	48 holes - Inner ring hole type Th; Dhi 22 mm
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	318
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	70
Printed page	70
Source language	EN

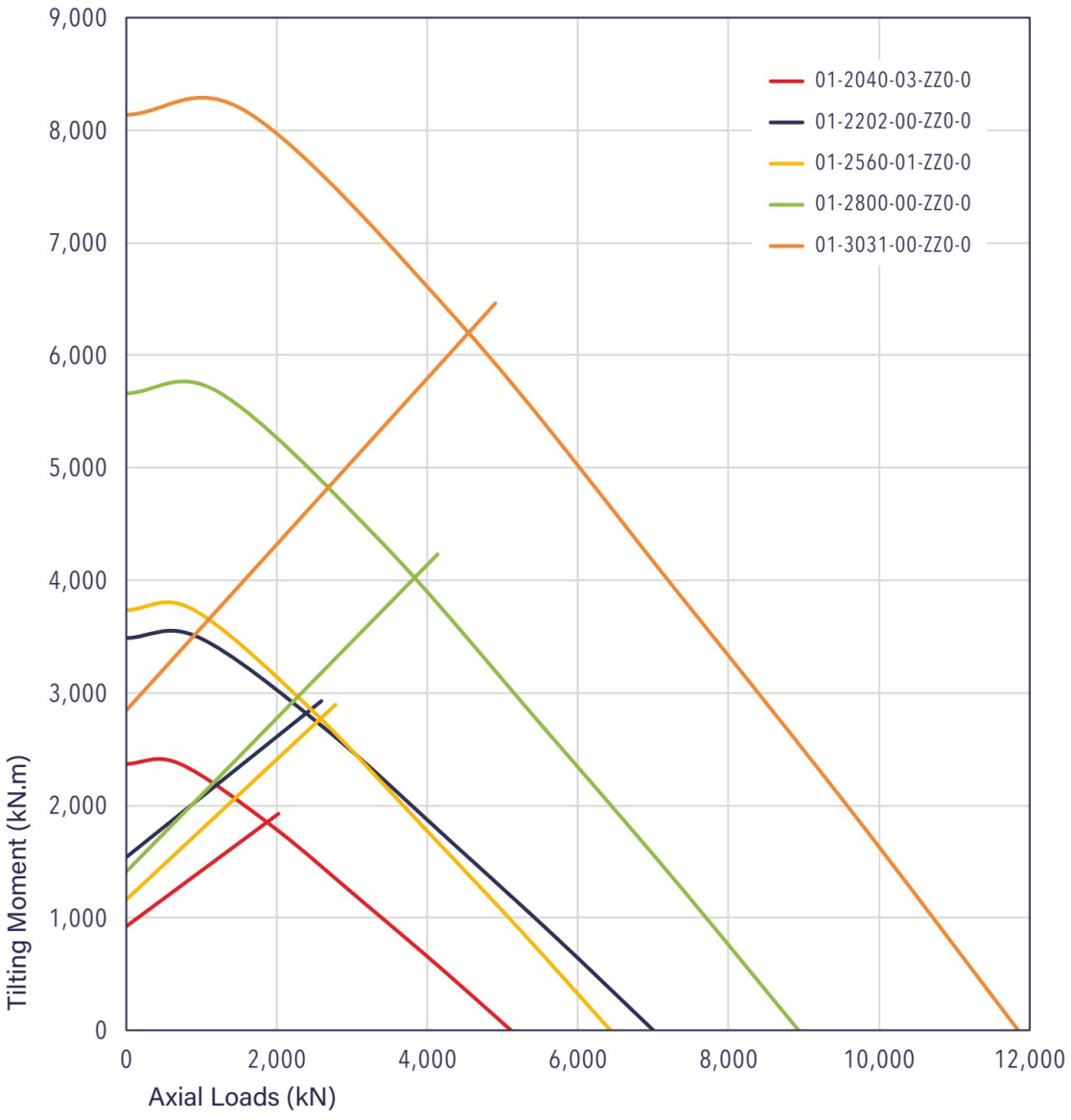
Complete Product Data

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-070-curve.webp | SHA-256: 9a461265c4c76b611413845556731bba9d8e9a7ac6eead2912e0b0862fa56a19
Outline Drawing	rollix-page-070-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-070-curve.webp | SHA-256: 9a461265c4c76b611413845556731bba9d8e9a7ac6eead2912e0b0862fa56a19

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

5UUNMKOUTQMIRI7VJ5PN5ZBJTB

SOURCE DOCUMENT

ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07

SOURCE FILE

ROLLIX.pdf

SOURCE LOCATION

PDF page 70 | Printed page 70

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/01-3031-00/

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