

Factory-Verified Replacement

MERYDOM 02-1050-00

Certified for interchange with ROLLIX 02-1050-00. 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

02-1050-00

REFERENCE

ROLLIX 02-1050-00

SERIES

02 Series

STRUCTURE

Sfere a quattro punti di contatto a una corona

OVERALL OD

1,170 mm

OVERALL ID

882 mm

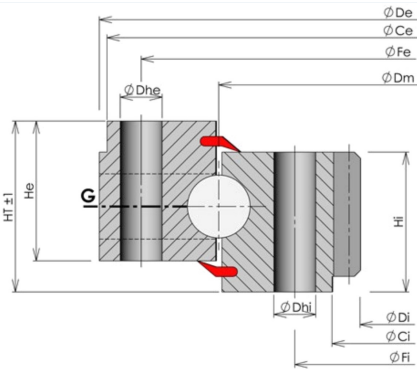
OVERALL HEIGHT

98 mm

GEAR

Dentatura interna

Published Technical Drawing



rollix-page-073-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	02-1050-00
Certified interchangeable with	ROLLIX 02-1050-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	YVSF5K6XCLJZ7DXZATO4JDGVP2
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	02-1050-00
Bearing structure	Sfere a quattro punti di contatto a una corona
Gear arrangement	Dentatura interna
DIMENSION	
Overall height (HT)	98 mm
Overall outside diameter (Dia De)	1.170 mm
Outer ring height (He)	80 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 inside diameter (Dia Di)	882 mm
Inner ring height (Hi)	88 mm
Assembly weight (Weight)	254 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	1.165 mm
Inner ring pilot diameter (Dia Ci)	1.040 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)	89
Gear face width (W)	88 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	128 kN

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	171 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	171 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	128 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	89
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	73
Printed page	73
Source language	EN

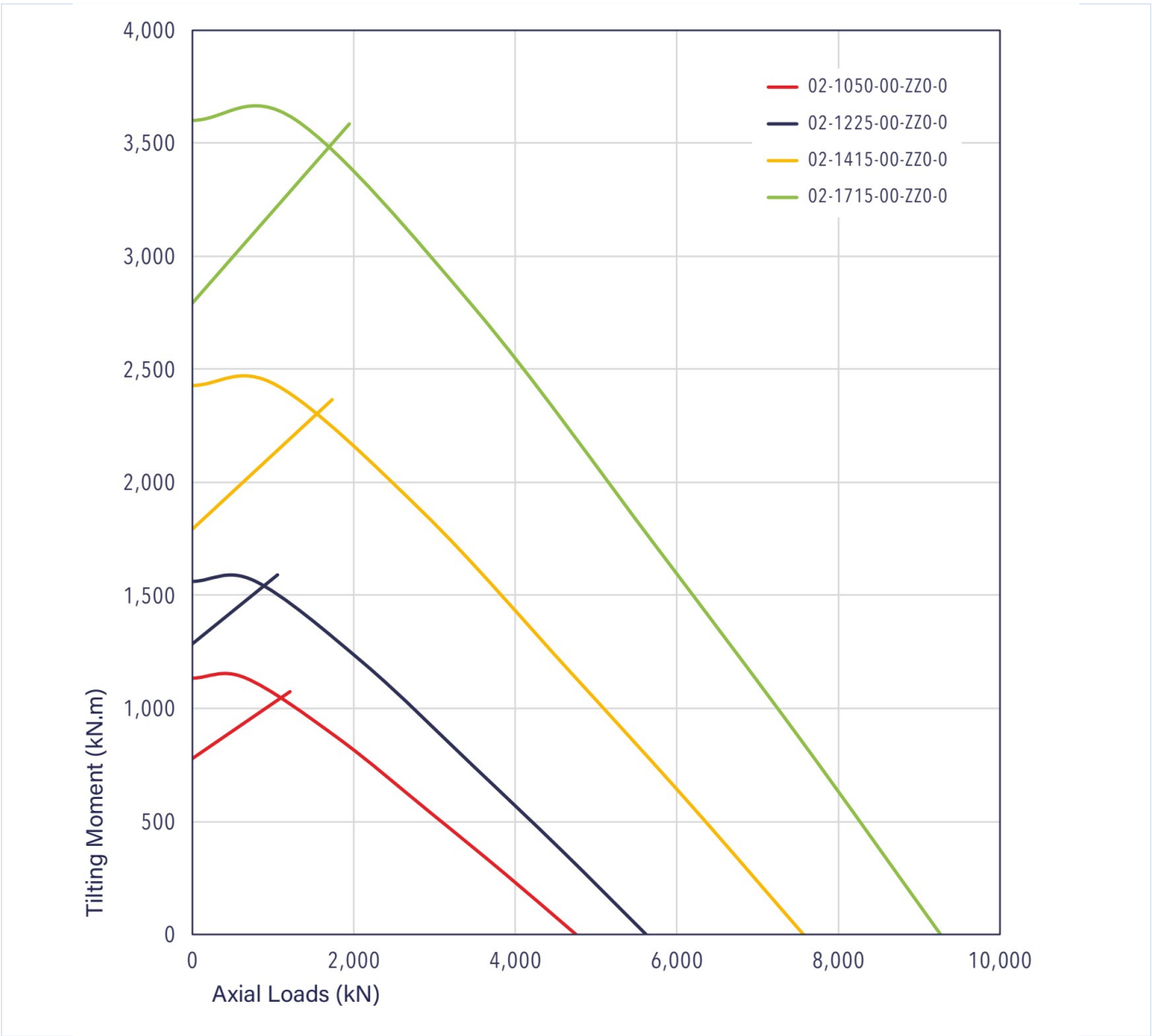
Complete Product Data

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-073-curve.webp SHA-256: 8e2fd3d42f566b62d0fcc331be3dfccdd5621661afee4cc1438ba45db1fa9122
Outline Drawing	rollix-page-073-drawing.webp SHA-256: c93f1b3039c41a95751bd7bac33bb32a3af6c4926b227796bfcc7f2cbf454958

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-073-curve.webp | SHA-256: 8e2fd3d42f566b62d0fcc331be3dfccdd5621661afee4cc1438ba45db1fa9122

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 YVSF5K6XCLJZ7DXZATO4JDGVP2	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 73 Printed page 73
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/02-1050-00/>

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