

Factory-Verified Replacement

MERYDOM 02-0520-00

Certified for interchange with ROLLIX 02-0520-00. 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

02-0520-00

REFERENCE

ROLLIX 02-0520-00

SERIES

02 Series

STRUCTURE

Esferas de contato de quatro pontos de uma carreira

OVERALL OD

610 mm

OVERALL ID

403 mm

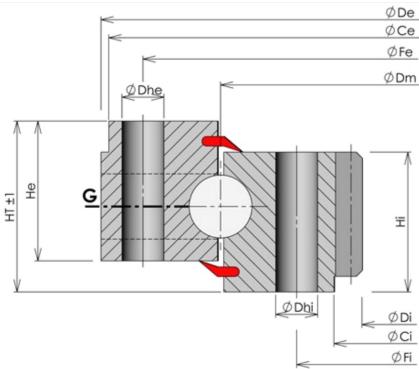
OVERALL HEIGHT

68 mm

GEAR

Engrenagem interna

Published Technical Drawing



rollix-page-072-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	02-0520-00
Certified interchangeable with	ROLLIX 02-0520-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	4Q4JN72VZSRBQIQCO3YPDU4GZD
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	02-0520-00
Bearing structure	Esferas de contato de quatro pontos de uma carreira
Gear arrangement	Engrenagem interna
DIMENSION	
Overall height (HT)	68 mm
Overall outside diameter (Dia De)	610 mm
Outer ring height (He)	54 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Dia Di)	403 mm
Inner ring height (Hi)	60 mm
Assembly weight (Weight)	61 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	608 mm
Inner ring pilot diameter (Dia Ci)	512 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	574 mm
Outer ring mounting-hole count (Ne)	24
Outer ring mounting-hole specification (Dhe)	17,5 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	466 mm
Inner ring mounting-hole count (Ni)	24
Inner ring mounting-hole specification (Dhi)	17,5 mm
GEAR	
Gear module (Module)	6 mm
Gear tooth count (Z)	68
Gear face width (W)	60 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	51 kN

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	68 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	68 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	51 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - External ring hole type Th; Dhe 17.5 mm
Inner ring mounting	24 holes - Inner ring hole type Th; Dhi 17.5 mm
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	68
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	72
Printed page	72
Source language	EN
Original unit system	Metric

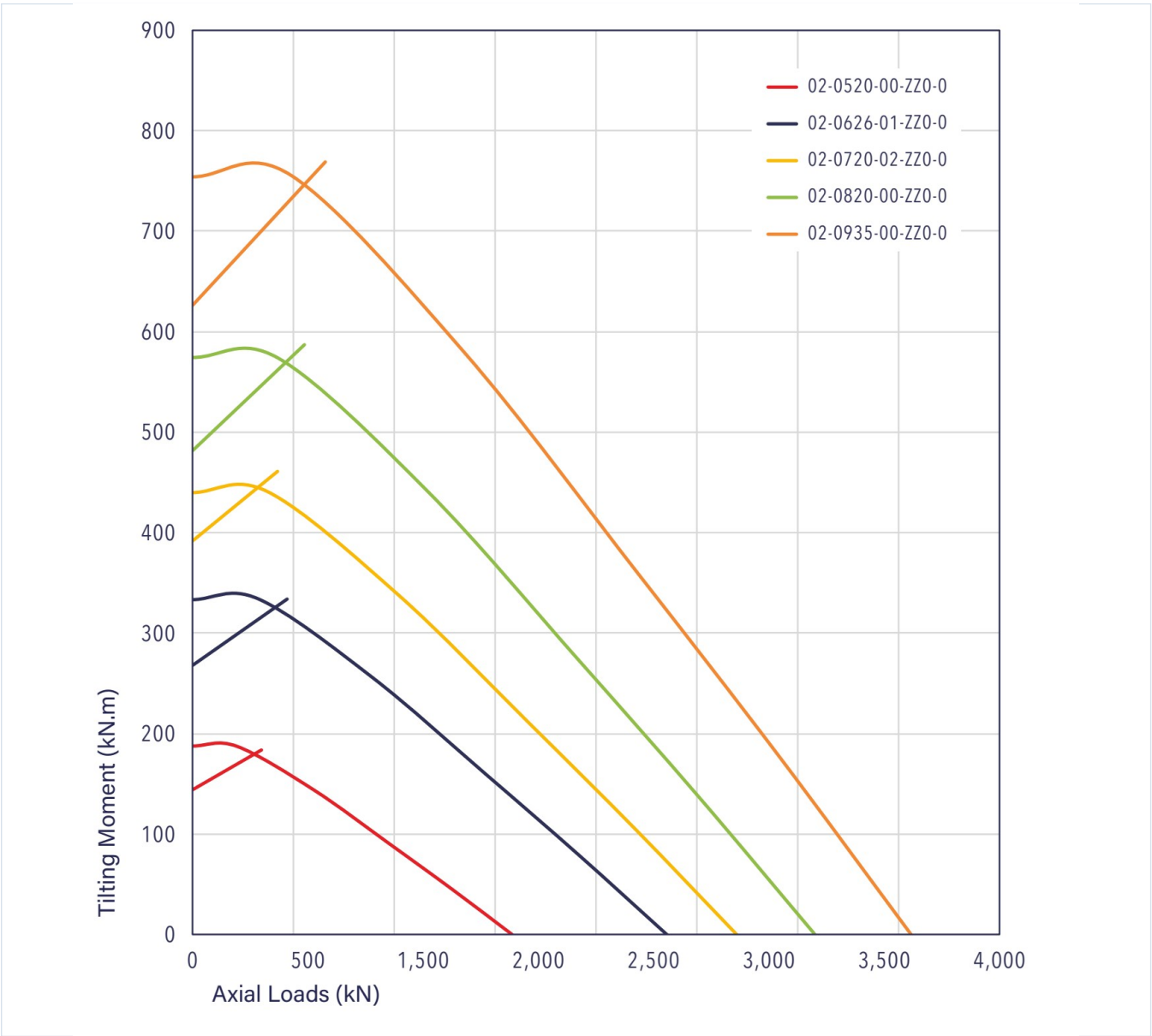
Complete Product Data

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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-072-curve.webp SHA-256: 060c93b0ce814e0b0ccdc2c245fd898e199c564014e166aa4f322448f74640a9
Outline Drawing	rollix-page-072-drawing.webp SHA-256: 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-072-curve.webp | SHA-256: 060c93b0ce814e0b0ccdc2c245fd898e199c564014e166aa4f322448f74640a9

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 4Q4JN72VZSRBQIQCO3YPDU4GZD	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 72 Printed page 72
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

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Product page: <https://rotnex.com/pt/produtos/rolamentos-de-giro-de-substituicao/rollix/02-0520-00/>

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