

Factory-Verified Replacement

MERYDOM 02-2202-00

Certified for interchange with ROLLIX 02-2202-00. 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

02-2202-00

REFERENCE

ROLLIX 02-2202-00

SERIES

02 Series

STRUCTURE

Single-row four-point contact ball

OVERALL OD

2,298 mm

OVERALL ID

2,066 mm

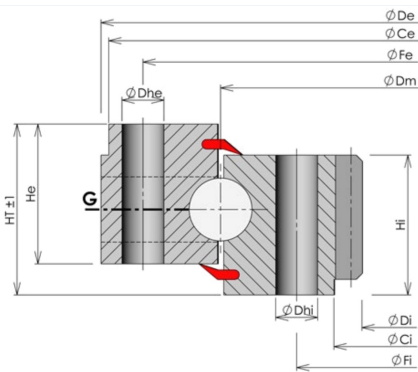
OVERALL HEIGHT

70 mm

GEAR

Internal gear

Published Technical Drawing



rollix-page-076-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	02-2202-00
Certified interchangeable with	ROLLIX 02-2202-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	ECXBH55EWKU5O6I6WAYSPG76XN
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	02-2202-00
Bearing structure	Single-row four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Overall height (HT)	70 mm
Overall outside diameter (Dia De)	2,298 mm
Outer ring height (He)	62 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)	2,066 mm
Inner ring height (Hi)	62 mm
Assembly weight (Weight)	343 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	2,290 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	2,262 mm
Outer ring mounting-hole count (Ne)	36
Outer ring mounting-hole specification (Dhe)	17.5 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	2,142 mm
Inner ring mounting-hole count (Ni)	36
Inner ring mounting-hole specification (Dhi)	17.5 mm
GEAR	
Gear module (Module)	8 mm
Gear tooth count (Z)	259
Gear face width (W)	62 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	76 kN
Gear capacity, hardened (Gear capacity hardened)	102 kN

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.

MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	102 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	76 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - External ring hole type Th; Dhe 17.5 mm
Inner ring mounting	36 holes - Inner ring hole type Th; Dhi 17.5 mm
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	259
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	76
Printed page	76
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	

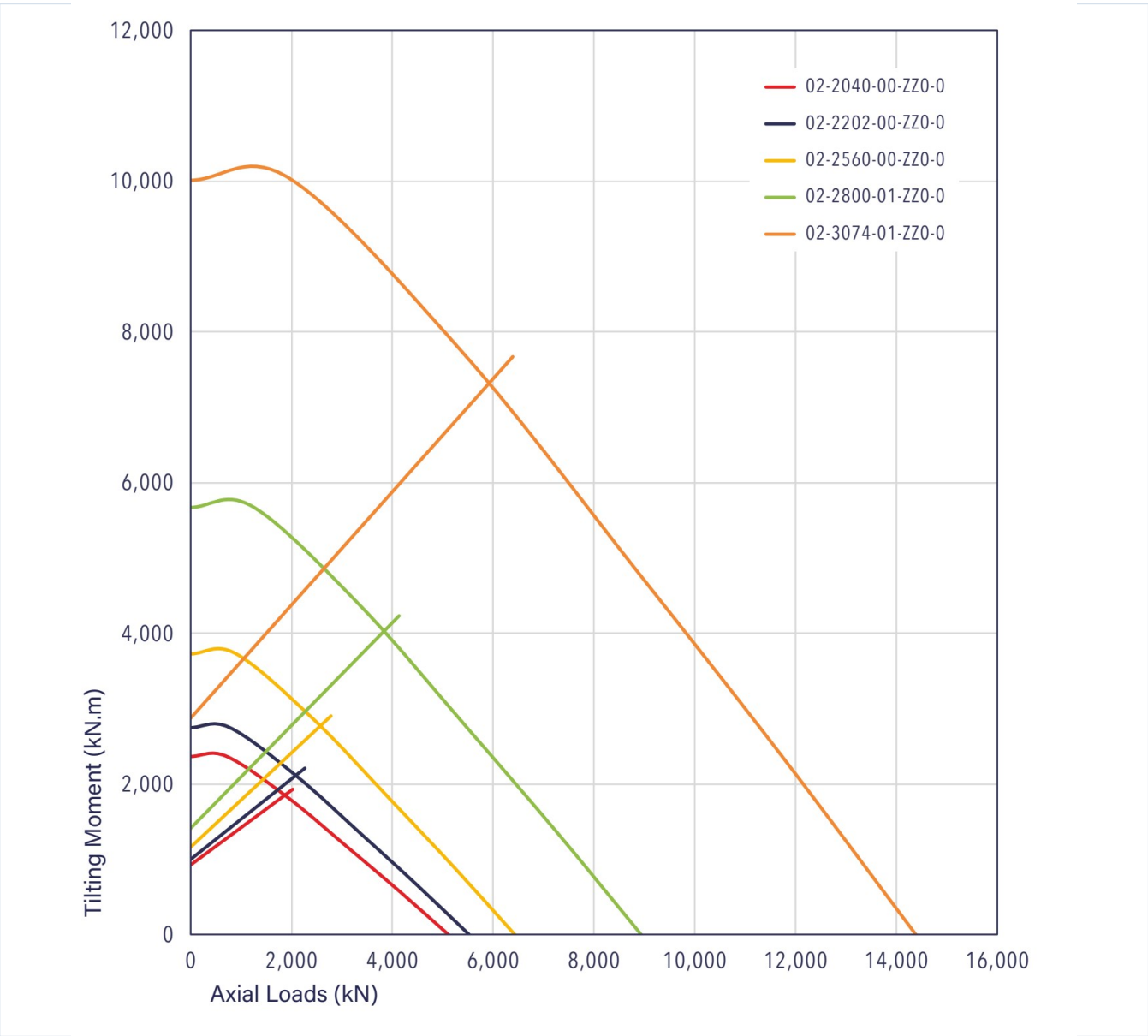
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

PUBLISHED TECHNICAL MEDIA (CONTINUED)	
Load Curve Chart	rollix-page-076-curve.webp SHA-256: 86abac47d26da644b7b110c8438937867bf96323c7077e1dcba9162293204ddd
Outline Drawing	rollix-page-076-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-076-curve.webp | SHA-256: 86abac47d26da644b7b110c8438937867bf96323c7077e1dcba9162293204ddd

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 ECXBH55EWKU506I6WAYS PG76XN	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 76 Printed page 76
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/products/slewing-bearing-replacements/rollix/02-2202-00/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.