

Factory-Verified Replacement

MERYDOM 03-0980-02

Certified for interchange with ROLLIX 03-0980-02. 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

03-0980-02

REFERENCE

ROLLIX 03-0980-02

SERIES

03 Series

STRUCTURE

Single-row four-point contact ball

OVERALL OD

1,130 mm

OVERALL ID

845 mm

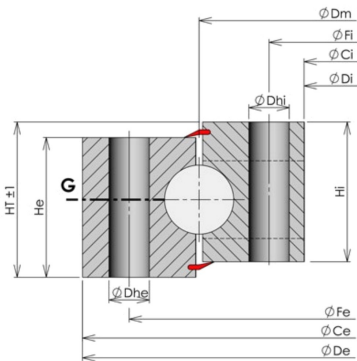
OVERALL HEIGHT

100 mm

GEAR

Ungeared

Published Technical Drawing



rollix-page-078-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	03-0980-02
Certified interchangeable with	ROLLIX 03-0980-02
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	4OJ44VKC7RJ6VVVEF4CHW2KC7M
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	03 Series
Reference model	03-0980-02
Bearing structure	Single-row four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Overall height (HT)	100 mm
Overall outside diameter (Dia De)	1,130 mm
Outer ring height (He)	90 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)	845 mm
Inner ring height (Hi)	90 mm
Assembly weight (Weight)	267 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	1,130 mm
Inner ring pilot diameter (Dia Ci)	845 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	1,070 mm
Outer ring mounting-hole count (Ne)	36
Outer ring mounting-hole specification (Dhe)	26 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	890 mm
Inner ring mounting-hole count (Ni)	36
Inner ring mounting-hole specification (Dhi)	26 mm
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
MOUNTING INTERFACES	
Outer ring mounting	36 holes - External ring hole type Th; Dhe 26 mm
Inner ring mounting	36 holes - Inner ring hole type Th; Dhi 26 mm

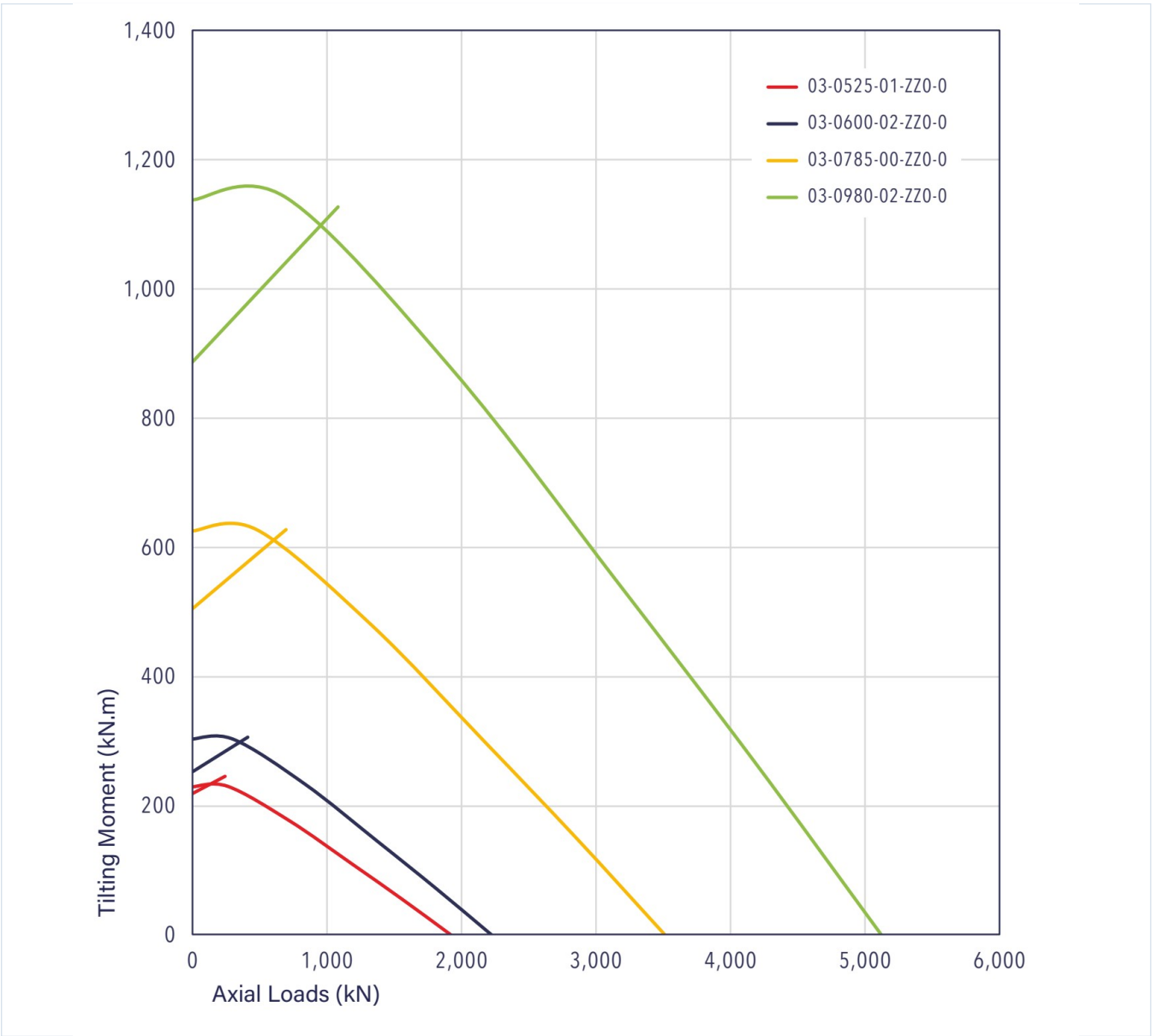
Complete Product Data

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

GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	78
Printed page	78
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-078-curve.webp SHA-256: 6b6382a91bd446242c6cfe986c22e72ffa8810f29263a9c963a4eca300077a00
Outline Drawing	rollix-page-078-drawing.webp SHA-256: 5edb2b3b8fd46a1a71a076d27fff8f13a74114ef508a55039d0c26deb228983c

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-078-curve.webp | SHA-256: 6b6382a91bd446242c6cfe986c22e72ffa8810f29263a9c963a4eca300077a00

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 40J44VKC7RJ6VVVEF4CHW2KC7M	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 78 Printed page 78
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/03-0980-02/>

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.