

MERYDOM 03-1410-00

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

MERYDOM MODEL

03-1410-00

REFERENCE

ROLLIX 03-1410-00

SERIES

03 Series

STRUCTURE

Single-row four-point contact ball

OVERALL OD

1,550 mm

OVERALL ID

1,270 mm

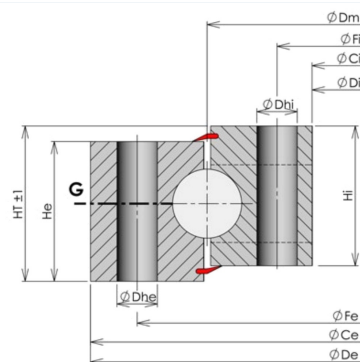
OVERALL HEIGHT

110 mm

GEAR

Ung geared

Published Technical Drawing



rollix-page-079-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	03-1410-00
Certified interchangeable with	ROLLIX 03-1410-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JUSJES2BRZXOZV4YNVXHOQPGGW
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	03-1410-00
Bearing structure	Single-row four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Overall height (HT)	110 mm
Overall outside diameter (Dia De)	1,550 mm
Outer ring height (He)	100 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)	1,270 mm
Inner ring height (Hi)	90 mm
Assembly weight (Weight)	397 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	1,420 mm
Inner ring pilot diameter (Dia Ci)	1,275 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	1,495 mm
Outer ring mounting-hole count (Ne)	48
Outer ring mounting-hole specification (Dhe)	26 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	1,325 mm
Inner ring mounting-hole count (Ni)	48
Inner ring mounting-hole specification (Dhi)	26 mm
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
MOUNTING INTERFACES	
Outer ring mounting	48 holes - External ring hole type Th; Dhe 26 mm
Inner ring mounting	48 holes - Inner ring hole type Th; Dhi 26 mm

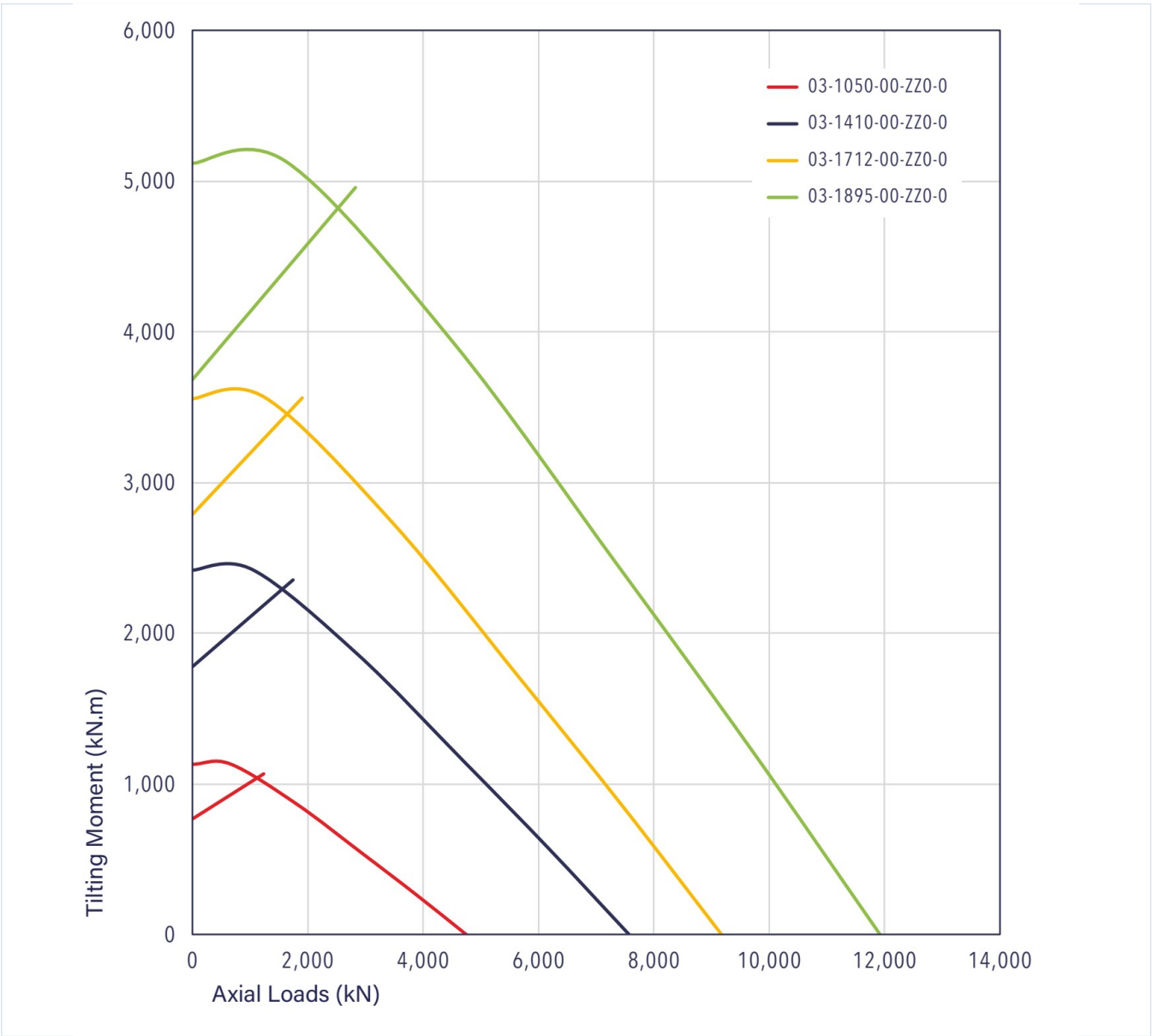
Complete Product Data

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	79
Printed page	79
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-079-curve.webp SHA-256: 407ddcf49118c8b20f815735fee017403754b11d57b6dba926d2a0a002cd23bb
Outline Drawing	rollix-page-079-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-079-curve.webp | SHA-256: 407ddcf49118c8b20f815735fee017403754b11d57b6dba926d2a0a002cd23bb

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 JUSJES2BRZXOZV4YNVXHOQPGGW	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 79 Printed page 79
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/products/slewing-bearing-replacements/rollix/03-1410-00/>

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