

Factory-Verified Replacement

MERYDOM 01-0181-02

Certified for interchange with ROLLIX 01-0181-02. 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

01-0181-02

REFERENCE

ROLLIX 01-0181-02

SERIES

01 Series

STRUCTURE

Single-row four-point contact ball

OVERALL OD

244 mm

OVERALL ID

125 mm

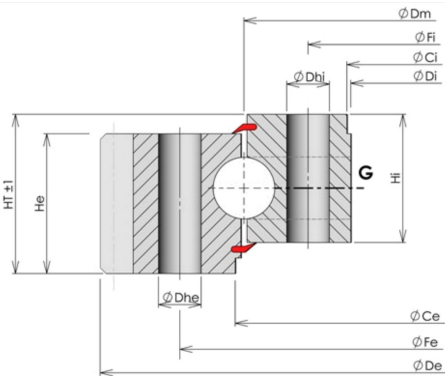
OVERALL HEIGHT

25 mm

GEAR

External gear

Published Technical Drawing



rollix-page-065-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	01-0181-02
Certified interchangeable with	ROLLIX 01-0181-02
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	5YSYITHUWBTEM6KY6BYBE7MUVR
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	01 Series
Reference model	01-0181-02
Bearing structure	Single-row four-point contact ball
Gear arrangement	External gear
DIMENSION	
Overall height (HT)	25 mm
Overall outside diameter (Dia De)	244 mm
Outer ring height (He)	25 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)	125 mm
Inner ring height (Hi)	25 mm
Assembly weight (Weight)	6 kg
MOUNTING	
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	214 mm
Outer ring mounting-hole count (Ne)	24
Outer ring mounting-hole specification (Dhe)	11 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	144 mm
Inner ring mounting-hole count (Ni)	20
Inner ring mounting-hole specification (Dhi)	11 mm
GEAR	
Gear module (Module)	2 mm
Gear tooth count (Z)	120
Gear face width (W)	20 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	6 kN
Gear capacity, hardened (Gear capacity hardened)	8 kN
MISCELLANEOUS	

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MISCELLANEOUS (CONTINUED)	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	8 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	6 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - External ring hole type Th; Dhe 11 mm
Inner ring mounting	20 holes - Inner ring hole type Th; Dhi 11 mm
GEAR INTERFACE	
Pitch system	module
Module reference	2 mm
Number of teeth	120
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	65
Printed page	65
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	

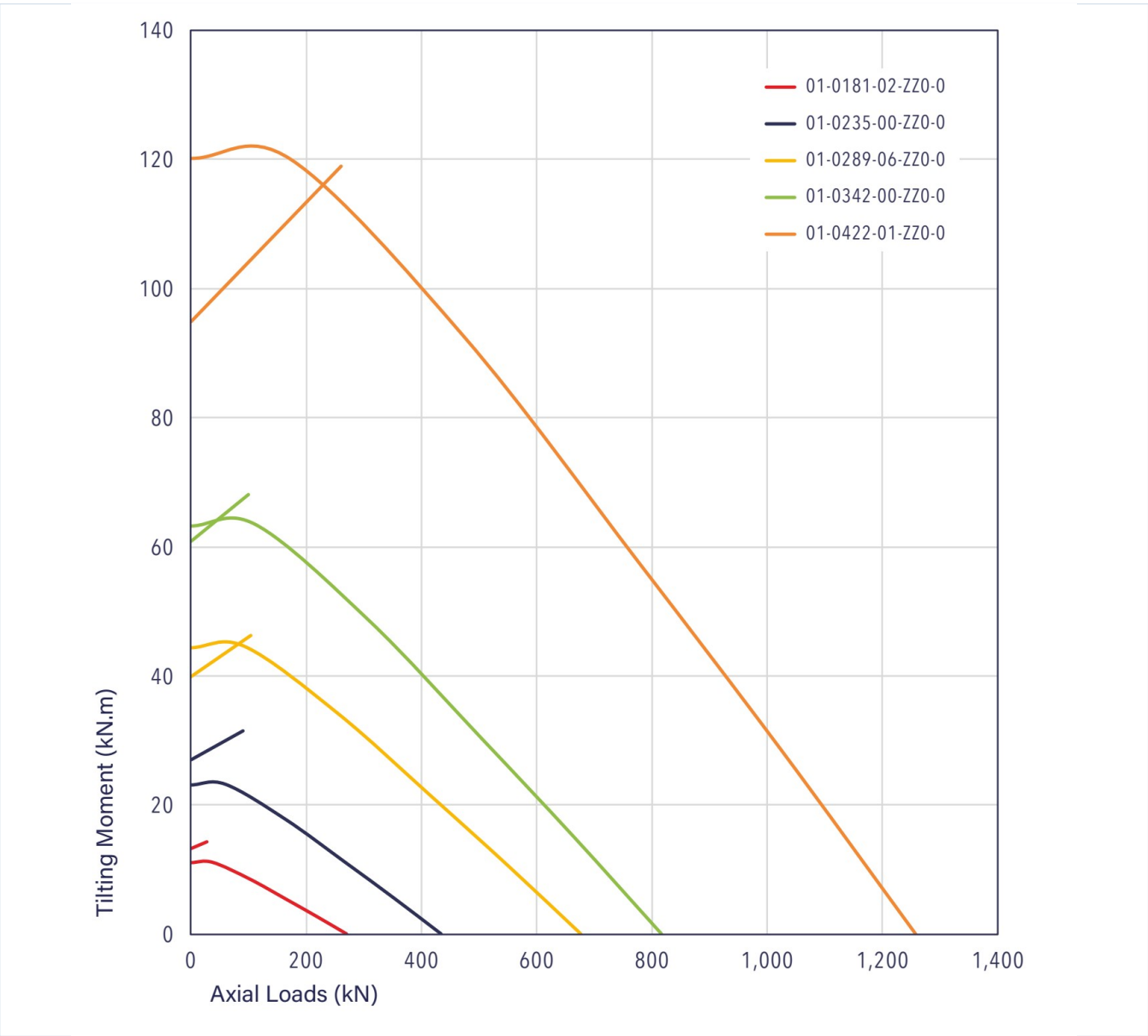
Complete Product Data

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-065-curve.webp SHA-256: 41bbd91ac1e1a6e52aa3c5d55ad102e18671e7ce06066b350a8a3b68f649e52a
Outline Drawing	rollix-page-065-drawing.webp SHA-256: 3d6f0cbf07fbf535b531eb1dd278984759e3c4235b90ed51a2da613082d71ac5

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-065-curve.webp | SHA-256: 41bbd91ac1e1a6e52aa3c5d55ad102e18671e7ce06066b350a8a3b68f649e52a

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 5YSYITHUWBTEM6KY6BYBE7MUVR	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 65 Printed page 65
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/01-0181-02/>

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