

Factory-Verified Replacement

MERYDOM 02-1805-02

Certified for interchange with ROLLIX 02-1805-02. 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

02-1805-02

REFERENCE

ROLLIX 02-1805-02

SERIES

02 Series

STRUCTURE

Single-row four-point contact ball

OVERALL OD

1,916 mm

OVERALL ID

1,662 mm

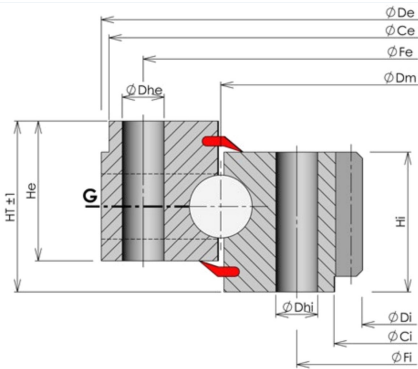
OVERALL HEIGHT

78 mm

GEAR

Internal gear

Published Technical Drawing



rollix-page-075-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	02-1805-02
Certified interchangeable with	ROLLIX 02-1805-02
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JZM3M66WUYGLRCMM4O3RRV37WU
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	02-1805-02
Bearing structure	Single-row four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Overall height (HT)	78 mm
Overall outside diameter (Dia De)	1,916 mm
Outer ring height (He)	62 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Dia Di)	1,662 mm
Inner ring height (Hi)	70 mm
Assembly weight (Weight)	323 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	1,916 mm
Inner ring pilot diameter (Dia Ci)	1,800 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	1,876 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)	1,746 mm
Inner ring mounting-hole count (Ni)	24
Inner ring mounting-hole specification (Dhi)	17.5 mm
GEAR	
Gear module (Module)	10 mm
Gear tooth count (Z)	168
Gear face width (W)	70 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	106 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	142 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	142 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	106 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	10 mm
Number of teeth	168
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	75
Printed page	75
Source language	EN

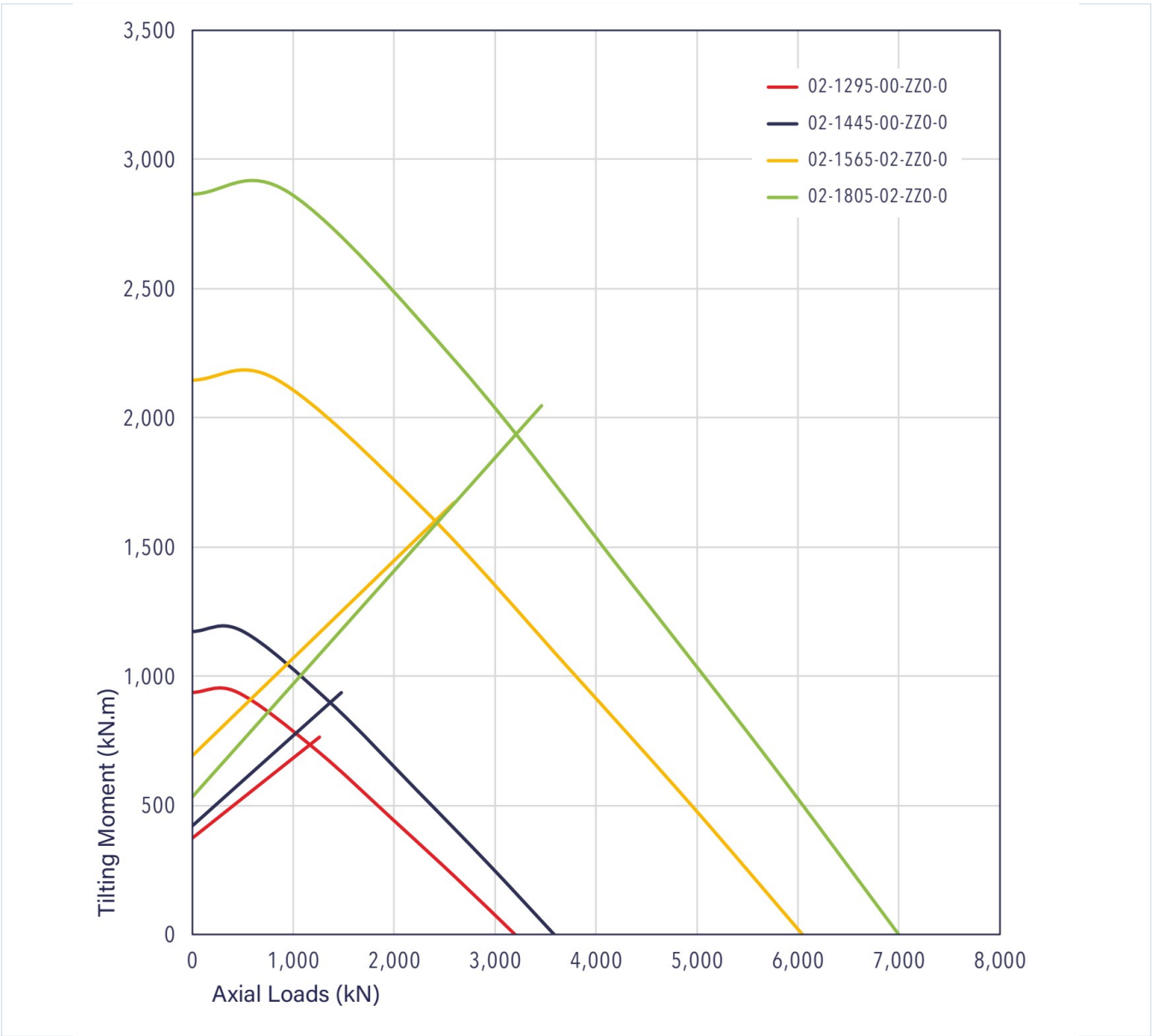
Complete Product Data

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

SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-075-curve.webp SHA-256: 7395a6c03426621e6e0c7366f12e7489602a4dac58ef52a9e74470969a d2bef4
Outline Drawing	rollix-page-075-drawing.webp SHA-256: c93f1b3039c41a95751bd7bac33bb32a3af6c4926b227796bfcc7f2cbf 454958

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-075-curve.webp | SHA-256: 7395a6c03426621e6e0c7366f12e7489602a4dac58ef52a9e74470969ad2bef4

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 JZM3M66WUYGLRCMM4O3RRV37WU	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 75 Printed page 75
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/02-1805-02/>

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