

Factory-Verified Replacement

MERYDOM 03-4500-00

Certified for interchange with ROLLIX 03-4500-00. 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

03-4500-00

REFERENCE

ROLLIX 03-4500-00

SERIES

03 Series

STRUCTURE

Sfere a quattro punti di contatto a una corona

OVERALL OD

4,772 mm

OVERALL ID

4,238 mm

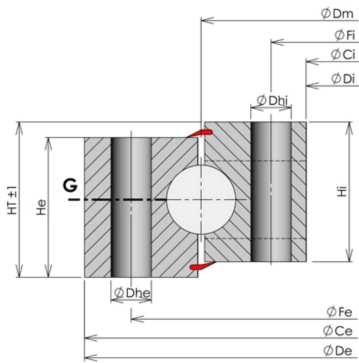
OVERALL HEIGHT

190 mm

GEAR

Senza dentatura

Published Technical Drawing



rollix-page-080-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	03-4500-00
Certified interchangeable with	ROLLIX 03-4500-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	5EDKETHJGFR35NQ2QFNLKXZV63
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	03-4500-00
Bearing structure	Sfere a quattro punti di contatto a una corona
Gear arrangement	Senza dentatura
DIMENSION	
Overall height (HT)	190 mm
Overall outside diameter (Dia De)	4.772 mm
Outer ring height (He)	175 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)	4.238 mm
Inner ring height (Hi)	175 mm
Assembly weight (Weight)	4.426 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	4.768 mm
Inner ring pilot diameter (Dia Ci)	4.242 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	4.658 mm
Outer ring mounting-hole count (Ne)	126
Outer ring mounting-hole specification (Dhe)	42 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	4.342 mm
Inner ring mounting-hole count (Ni)	126
Inner ring mounting-hole specification (Dhi)	42 mm
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
MOUNTING INTERFACES	
Outer ring mounting	126 holes - External ring hole type Th; Dhe 42 mm
Inner ring mounting	126 holes - Inner ring hole type Th; Dhi 42 mm

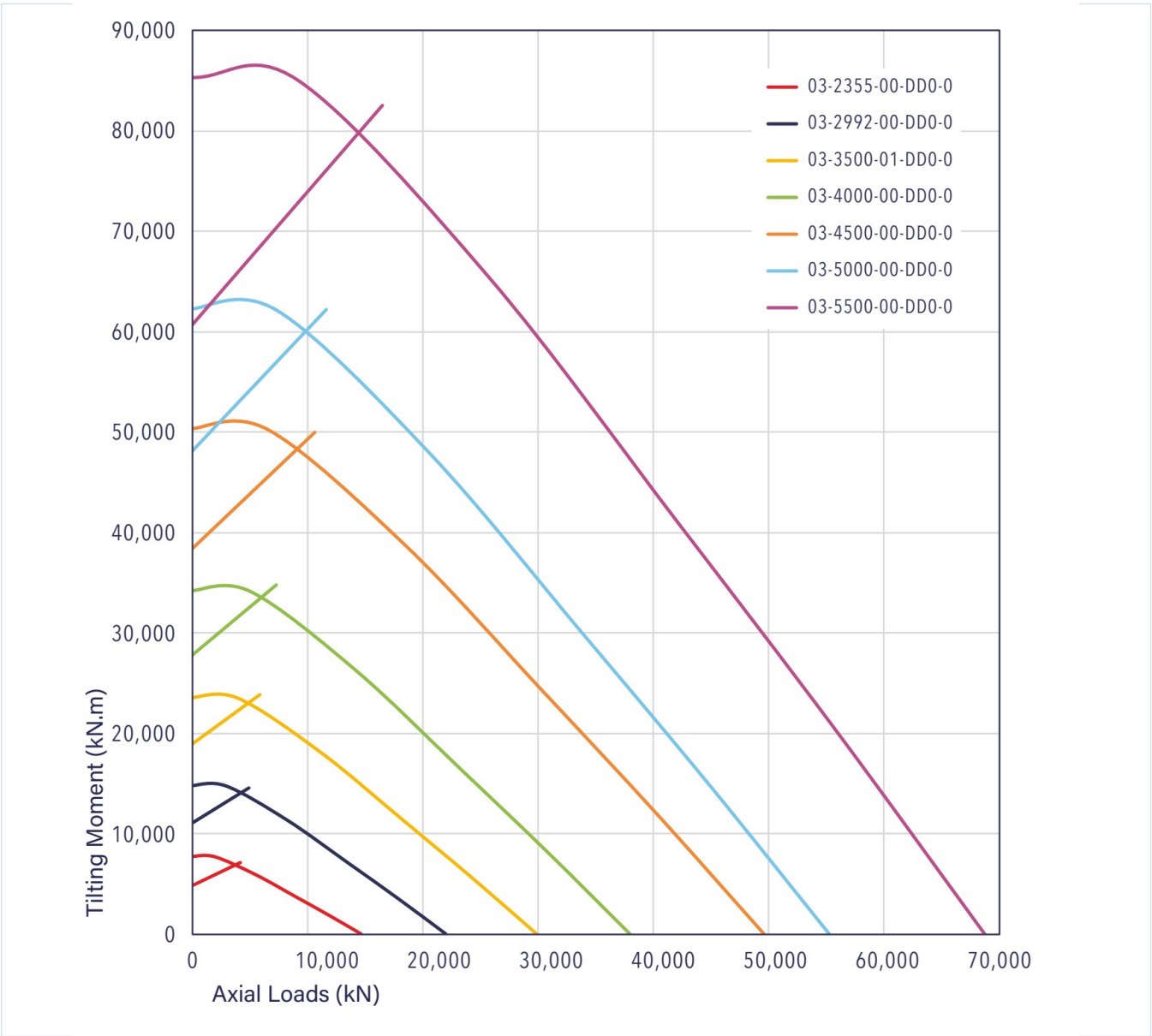
Complete Product Data

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	80
Printed page	80
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-080-curve.webp SHA-256: 4509ca9bc691ac21dd268e5497afa6e4663354cd76c718861498e08e88a296b0
Outline Drawing	rollix-page-080-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-080-curve.webp | SHA-256: 4509ca9bc691ac21dd268e5497afa6e4663354cd76c718861498e08e88a296b0

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 5EDKETHJGFR35NQ2QFNLKXZV63	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 80 Printed page 80
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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/rollix/03-4500-00/>

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