

Factory-Verified Replacement

MERYDOM 01-4500-00

Certified for interchange with ROLLIX 01-4500-00. 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

01-4500-00

REFERENCE

ROLLIX 01-4500-00

SERIES

01 Series

STRUCTURE

Single-row four-point contact ball

OVERALL OD

4,858 mm

OVERALL ID

4,238 mm

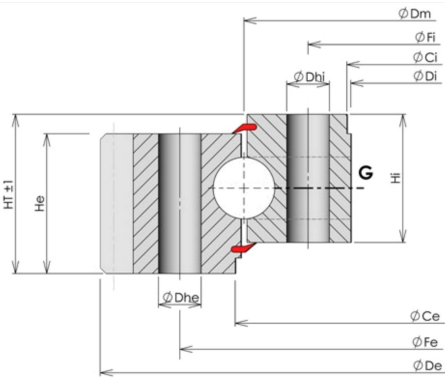
OVERALL HEIGHT

205 mm

GEAR

External gear

Published Technical Drawing



rollix-page-068-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	01-4500-00
Certified interchangeable with	ROLLIX 01-4500-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	RTCXLMBTIZ7RZ2QDJSGUQYVBCI
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	01-4500-00
Bearing structure	Single-row four-point contact ball
Gear arrangement	External gear
DIMENSION	
Overall height (HT)	205 mm
Overall outside diameter (Dia De)	4,858 mm
Outer ring height (He)	190 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Dia Di)	4,238 mm
Inner ring height (Hi)	175 mm
Assembly weight (Weight)	5,151 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	4,510 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
GEAR	
Gear module (Module)	22 mm
Gear tooth count (Z)	218
Gear face width (W)	190 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	835 kN

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	971 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	971 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	835 kN Not simultaneous with other listed dynamic ratings
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
GEAR INTERFACE	
Pitch system	module
Module reference	22 mm
Number of teeth	218
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	68
Printed page	68
Source language	EN

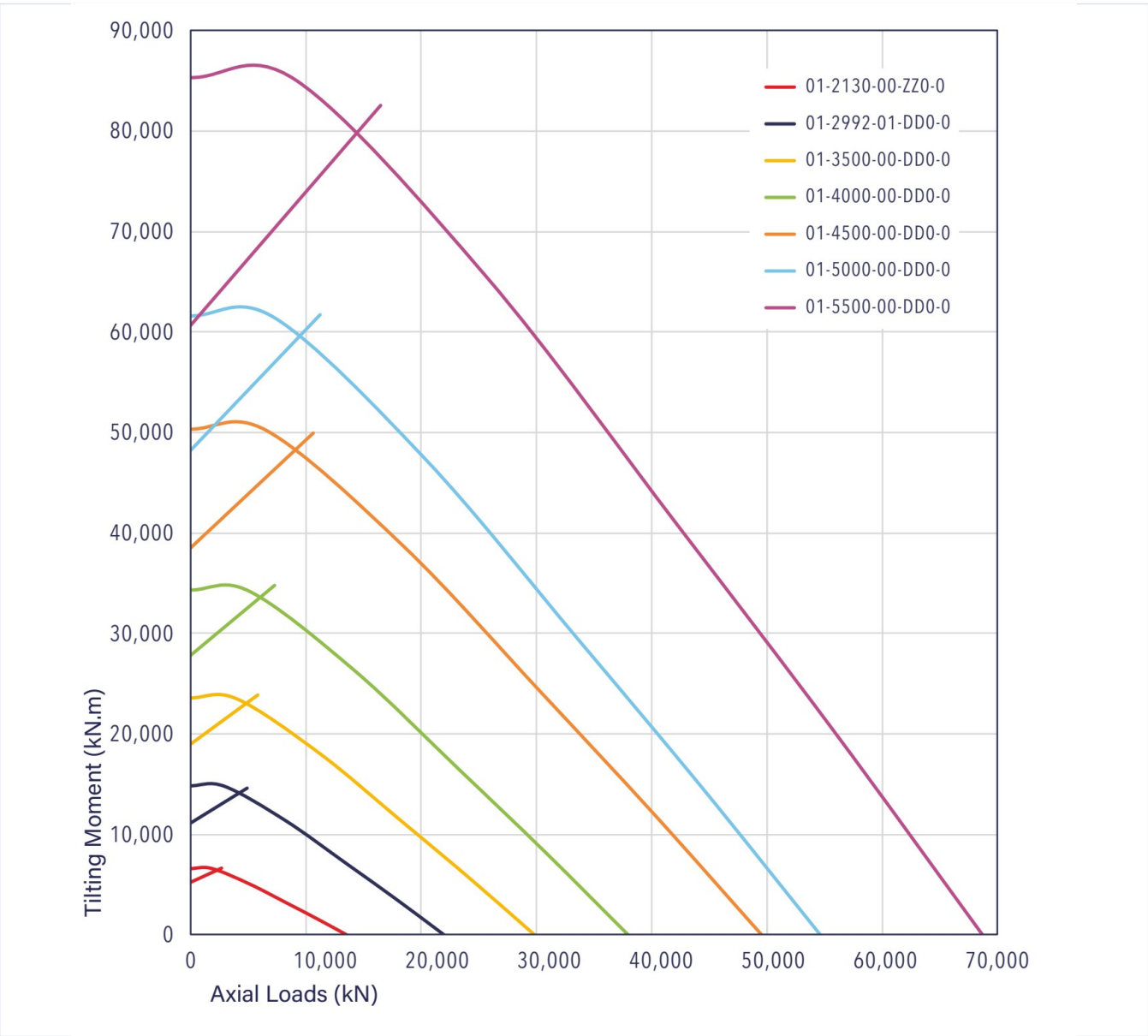
Complete Product Data

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-068-curve.webp SHA-256: 626b54e0f546a663858c25536a326abb33ad7a97939b21e03a1635f297720477
Outline Drawing	rollix-page-068-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-068-curve.webp | SHA-256: 626b54e0f546a663858c25536a326abb33ad7a97939b21e03a1635f297720477

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 RTCXLMBTIZ7RZ2QDJSGUQYVBCI	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 68 Printed page 68
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/01-4500-00/>

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