

Factory-Verified Replacement

MERYDOM 12-3000-00

Certified for interchange with ROLLIX 12-3000-00. 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

12-3000-00

REFERENCE

ROLLIX 12-3000-00

SERIES

12 Series

STRUCTURE

Double-row ball

OVERALL OD

3,255 mm

OVERALL ID

2,644 mm

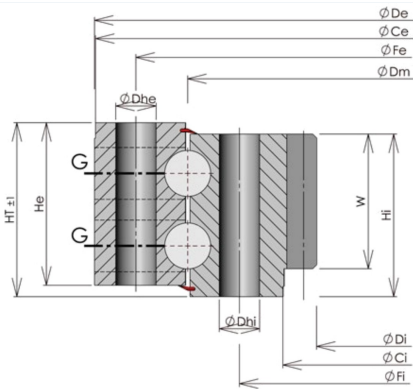
OVERALL HEIGHT

242 mm

GEAR

Internal gear

Published Technical Drawing



rollix-page-086-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	12-3000-00
Certified interchangeable with	ROLLIX 12-3000-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	FEEUMEE45QAOOPQJ6E5WOVTK7J
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	12 Series
Reference model	12-3000-00
Bearing structure	Double-row ball
Gear arrangement	Internal gear
DIMENSION	
Overall height (HT)	242 mm
Overall outside diameter (Dia De)	3,255 mm
Outer ring height (He)	230 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)	2,644 mm
Inner ring height (Hi)	230 mm
Assembly weight (Weight)	4,208 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	3,252 mm
Inner ring pilot diameter (Dia Ci)	2,733 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	3,150 mm
Outer ring mounting-hole count (Ne)	72
Outer ring mounting-hole specification (Dhe)	52 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	2,850 mm
Inner ring mounting-hole count (Ni)	72
Inner ring mounting-hole specification (Dhi)	52 mm
GEAR	
Gear module (Module)	20 mm
Gear tooth count (Z)	133
Gear face width (W)	190 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	742.75 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	863.7 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	863.7 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	742.75 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	72 holes - External ring hole type Th; Dhe 52 mm
Inner ring mounting	72 holes - Inner ring hole type Th; Dhi 52 mm
GEAR INTERFACE	
Pitch system	module
Module reference	20 mm
Number of teeth	133
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	86
Printed page	86
Source language	EN

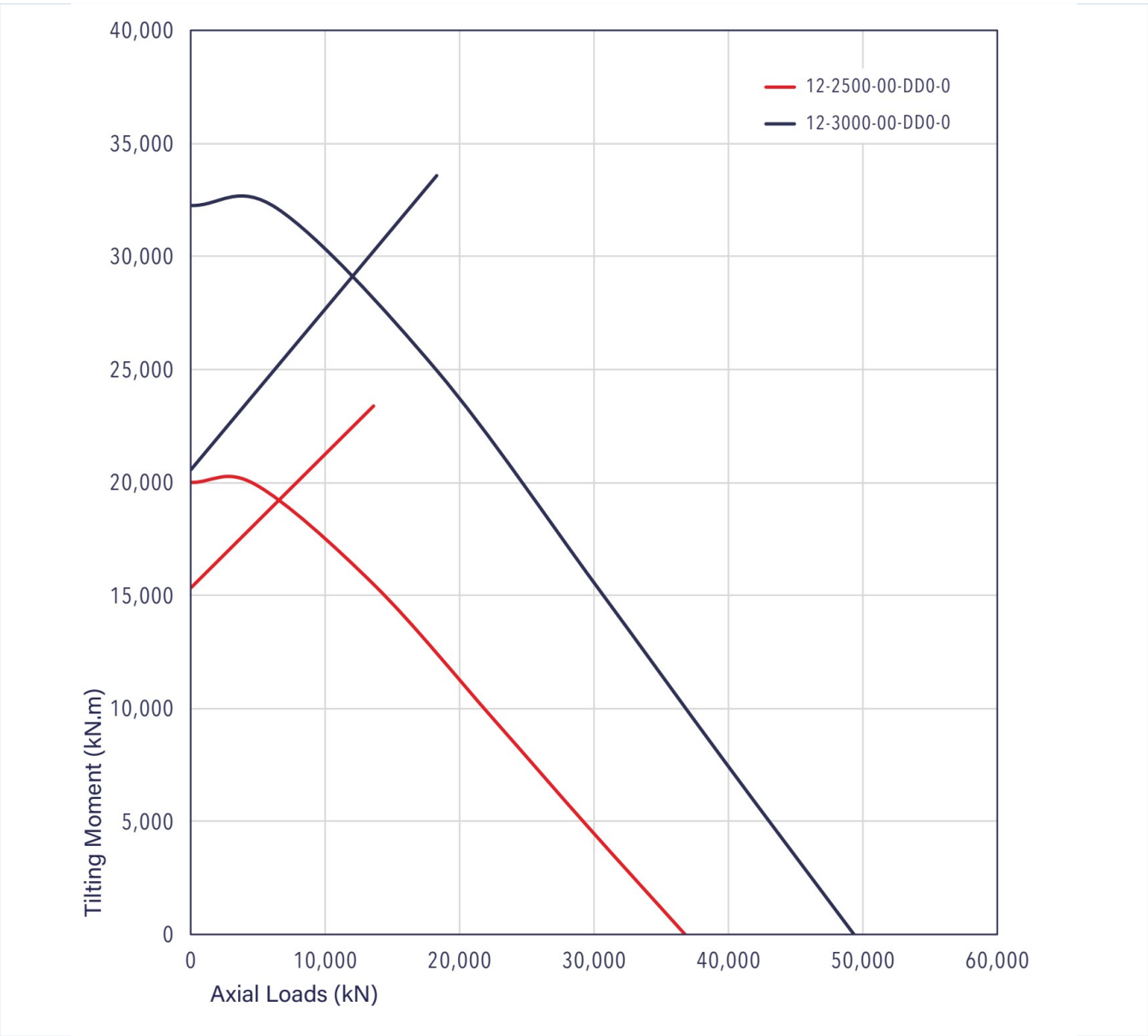
Complete Product Data

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-086-curve.webp SHA-256: 8da3e2470ec084c9d2944d8e14f3dea78816b19494ae55aa3d31bc6d6e197389
Outline Drawing	rollix-page-086-drawing.webp SHA-256: e66d9090f8355d07d59bbe9293c038b103508676a1aea6ebe44ecfa2b71bfc4d

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-086-curve.webp | SHA-256: 8da3e2470ec084c9d2944d8e14f3dea78816b19494ae55aa3d31bc6d6e197389

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 FEEUMEE45QA0OPQJ6E5WOVTK7J	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 86 Printed page 86
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/12-3000-00/>

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