

Factory-Verified Replacement

MERYDOM 12-0960-00

Certified for interchange with ROLLIX 12-0960-00. 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

12-0960-00

SERIES

12 Series

OVERALL OD

1,050 mm

OVERALL HEIGHT

95 mm

REFERENCE

ROLLIX 12-0960-00

STRUCTURE

Double-row angular-contact ball

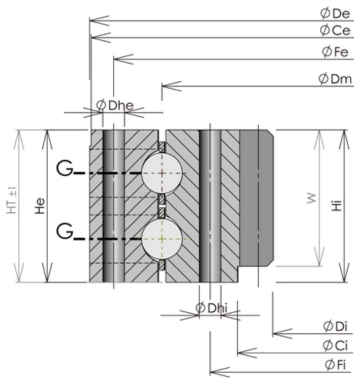
OVERALL ID

822 mm

GEAR

Internal gear

Published Technical Drawing



rollix-page-132-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	12-0960-00
Certified interchangeable with	ROLLIX 12-0960-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CF7ALK46HIKNYQRLBXRGOUXSV
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	12-0960-00
Bearing structure	Double-row angular-contact ball
Gear arrangement	Internal gear
DIMENSION	
Overall height (HT)	95 mm
Overall outside diameter (Dia De)	1,050 mm
Outer ring height (He)	95 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)	822 mm
Inner ring height (Hi)	95 mm
Assembly weight (Weight)	211 kg
MOUNTING	
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	1,020 mm
Outer ring mounting-hole count (Ne)	60
Outer ring mounting-hole specification (Dhe)	13 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	900 mm
Inner ring mounting-hole count (Ni)	60
Inner ring mounting-hole specification (Dhi)	13 mm
GEAR	
Gear module (Module)	10 mm
Gear tooth count (Z)	83
Gear face width (W)	85 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	160 kN
Gear capacity, hardened (Gear capacity hardened)	186 kN
MISCELLANEOUS	

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MISCELLANEOUS (CONTINUED)	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	186 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	160 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	60 holes - External ring hole type Th; Dhe 13 mm
Inner ring mounting	60 holes - Inner ring hole type Th; Dhi 13 mm
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	83
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	132
Printed page	132
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	

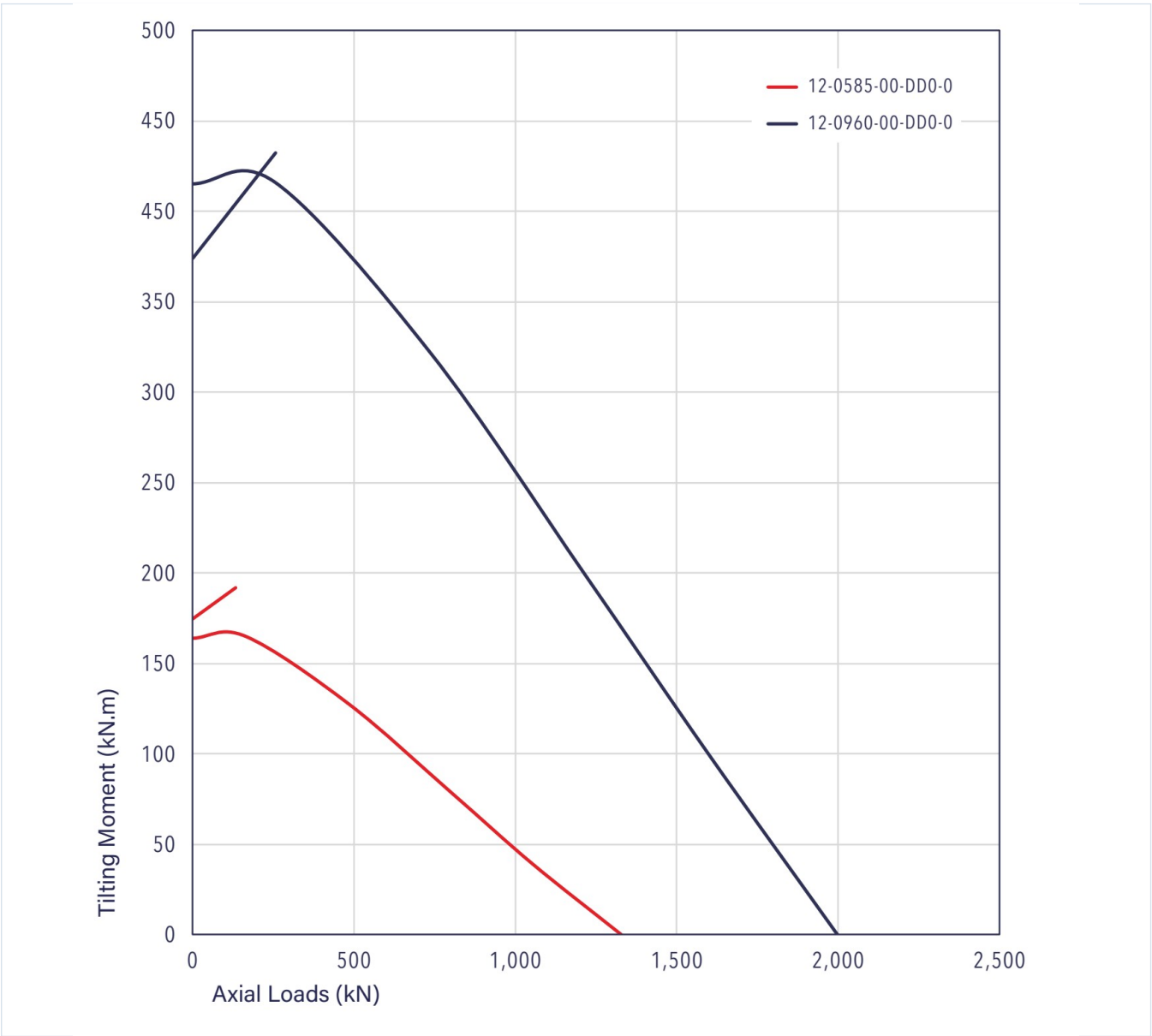
Complete Product Data

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-132-curve.webp SHA-256: 582c2a319fedf9e4211d3d41ee3943966008747fac7223d041179c3c53a7c90c
Outline Drawing	rollix-page-132-drawing.webp SHA-256: 51b223c2ebd61adbe8a971662689aec641a3c4e72eb4e80be9693e99490e5272

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.



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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 CF7ALK46HIKNYQQLBXRGOUXSV	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 132 Printed page 132
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/12-0960-00/>

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