

Factory-Verified Replacement

MERYDOM 11-3000-00

Certified for interchange with ROLLIX 11-3000-00. 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

11-3000-00

REFERENCE

ROLLIX 11-3000-00

SERIES

11 Series

STRUCTURE

Cuscinetto a sfere a due corone

OVERALL OD

3,356 mm

OVERALL ID

2,743 mm

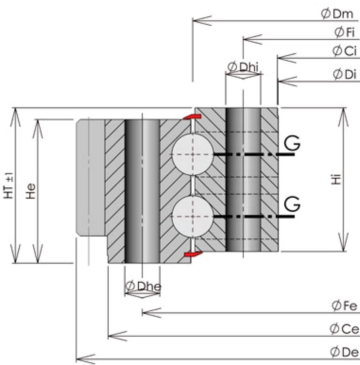
OVERALL HEIGHT

242 mm

GEAR

Dentatura esterna

Published Technical Drawing



rollix-page-084-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	11-3000-00
Certified interchangeable with	ROLLIX 11-3000-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	4KCCHQGRJMMRSBYRZXMEK42PBP
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	11 Series
Reference model	11-3000-00
Bearing structure	Cuscinetto a sfere a due corone
Gear arrangement	Dentatura esterna
DIMENSION	
Overall height (HT)	242 mm
Overall outside diameter (Dia De)	3.356 mm
Outer ring height (He)	230 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Dia Di)	2.743 mm
Inner ring height (Hi)	230 mm
Assembly weight (Weight)	4.298 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	3.252 mm
Inner ring pilot diameter (Dia Ci)	2.745 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)	165
Gear face width (W)	190 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	752 kN

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	874 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	874 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	752 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	165
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	84
Printed page	84
Source language	EN

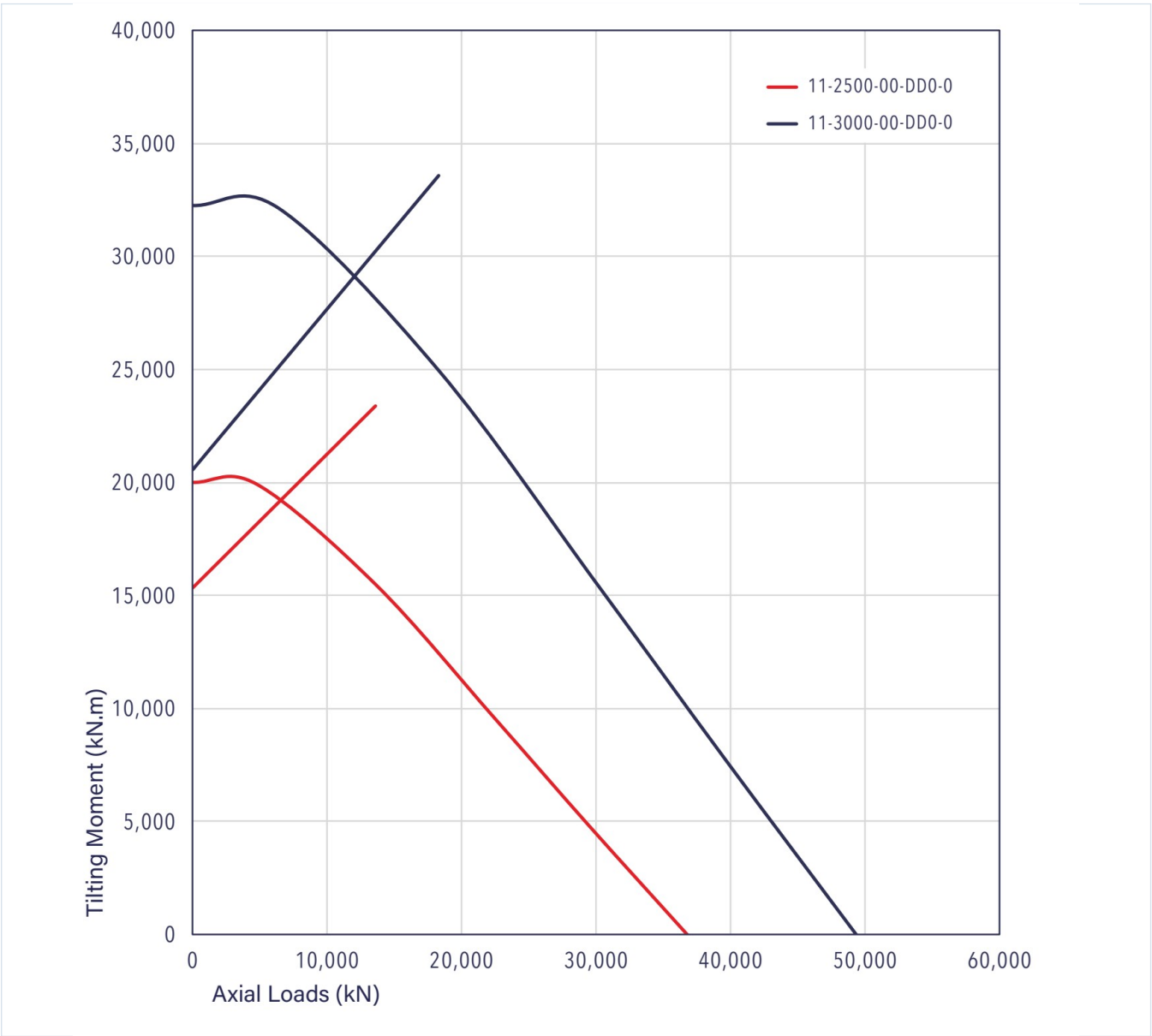
Complete Product Data

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-084-curve.webp SHA-256: 2fef72f11a609a6553a3cc5a6f3a6a7faf773078965d5b7661cfbbf9b97248b9
Outline Drawing	rollix-page-084-drawing.webp SHA-256: 64678349077855a34e689be9a61107efb249140a29b038606c6870020959364b

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 4KCCHQGRJMMRSBYRZXMEK42PBP	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 84 Printed page 84
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/11-3000-00/>

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