

Factory-Verified Replacement

MERYDOM 12-1050-00

Certified for interchange with ROLLIX 12-1050-00. 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

12-1050-00

REFERENCE

ROLLIX 12-1050-00

SERIES

12 Series

STRUCTURE

Cuscinetto a sfere a due corone

OVERALL OD

1,193 mm

OVERALL ID

862 mm

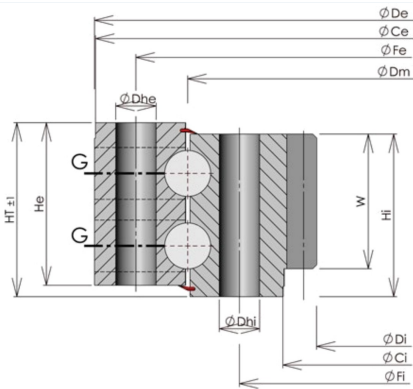
OVERALL HEIGHT

139 mm

GEAR

Dentatura interna

Published Technical Drawing



rollix-page-085-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	12-1050-00
Certified interchangeable with	ROLLIX 12-1050-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	3AODVHOUCROAXGLFP6LH7EGDW
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	12-1050-00
Bearing structure	Cuscinetto a sfere a due corone
Gear arrangement	Dentatura interna
DIMENSION	
Overall height (HT)	139 mm
Overall outside diameter (Dia De)	1.193 mm
Outer ring height (He)	129 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)	862 mm
Inner ring height (Hi)	129 mm
Assembly weight (Weight)	437 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	1.190 mm
Inner ring pilot diameter (Dia Ci)	912 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	1.133 mm
Outer ring mounting-hole count (Ne)	48
Outer ring mounting-hole specification (Dhe)	30 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	967 mm
Inner ring mounting-hole count (Ni)	48
Inner ring mounting-hole specification (Dhi)	30 mm
GEAR	
Gear module (Module)	10 mm
Gear tooth count (Z)	87
Gear face width (W)	100 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	189 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	220 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	220 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	189 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - External ring hole type Th; Dhe 30 mm
Inner ring mounting	48 holes - Inner ring hole type Th; Dhi 30 mm
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	87
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	85
Printed page	85
Source language	EN

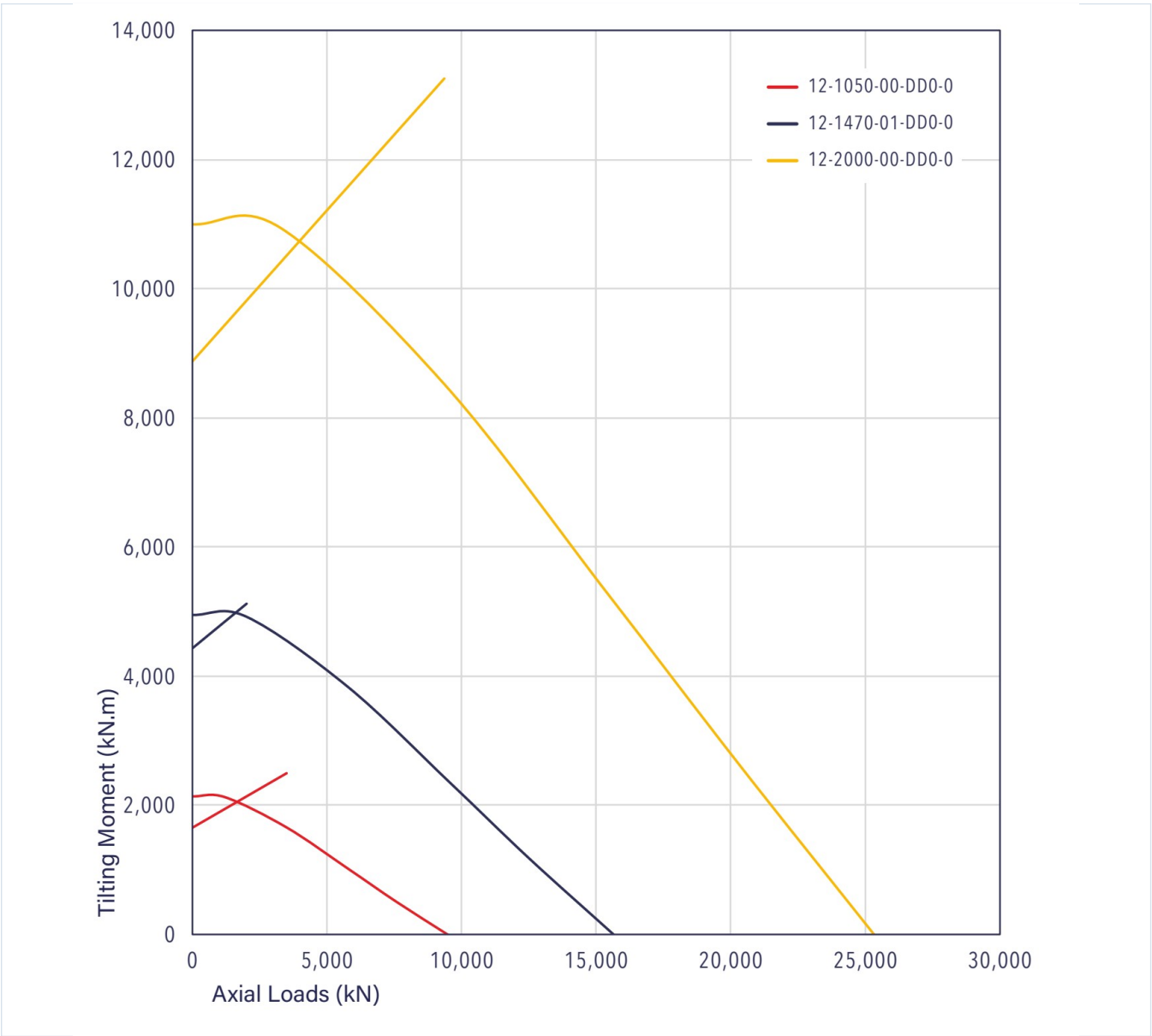
Complete Product Data

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-085-curve.webp SHA-256: 84c5eb23223591aea5b806eea65792e53228d984dce8d4e20fe9732f77821ea1
Outline Drawing	rollix-page-085-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-085-curve.webp | SHA-256: 84c5eb23223591aea5b806eea65792e53228d984dce8d4e20fe9732f77821ea1

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 3AODVHOUCROAXGLFPH6LH7EGDW	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 85 Printed page 85
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/12-1050-00/>

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