

Factory-Verified Replacement

MERYDOM 16-1050-00

Certified for interchange with ROLLIX 16-1050-00. 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

16-1050-00

REFERENCE

ROLLIX 16-1050-00

SERIES

16 Series

STRUCTURE

Double-row crossed roller

OVERALL OD

1,258 mm

OVERALL ID

897 mm

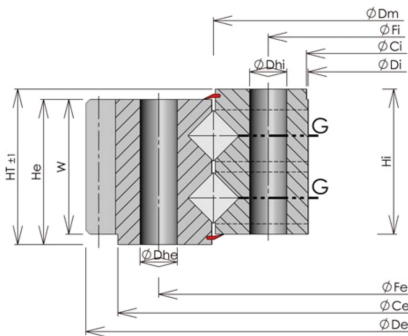
OVERALL HEIGHT

139 mm

GEAR

External gear

Published Technical Drawing



rollix-page-112-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	16-1050-00
Certified interchangeable with	ROLLIX 16-1050-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SRGF2QCCZ37VONDPLLODZUMXPZ
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	16 Series
Reference model	16-1050-00
Bearing structure	Double-row crossed roller
Gear arrangement	External gear
DIMENSION	
Overall height (HT)	139 mm
Overall outside diameter (Dia De)	1,258 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)	897 mm
Inner ring height (Hi)	129 mm
Assembly weight (Weight)	492 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	1,200 mm
Inner ring pilot diameter (Dia Ci)	900 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	1,141 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)	959 mm
Inner ring mounting-hole count (Ni)	48
Inner ring mounting-hole specification (Dhi)	30 mm
GEAR	
Gear module (Module)	12 mm
Gear tooth count (Z)	102
Gear face width (W)	100 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	230 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	268 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	268 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	230 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	12 mm
Number of teeth	102
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	112
Printed page	112
Source language	EN

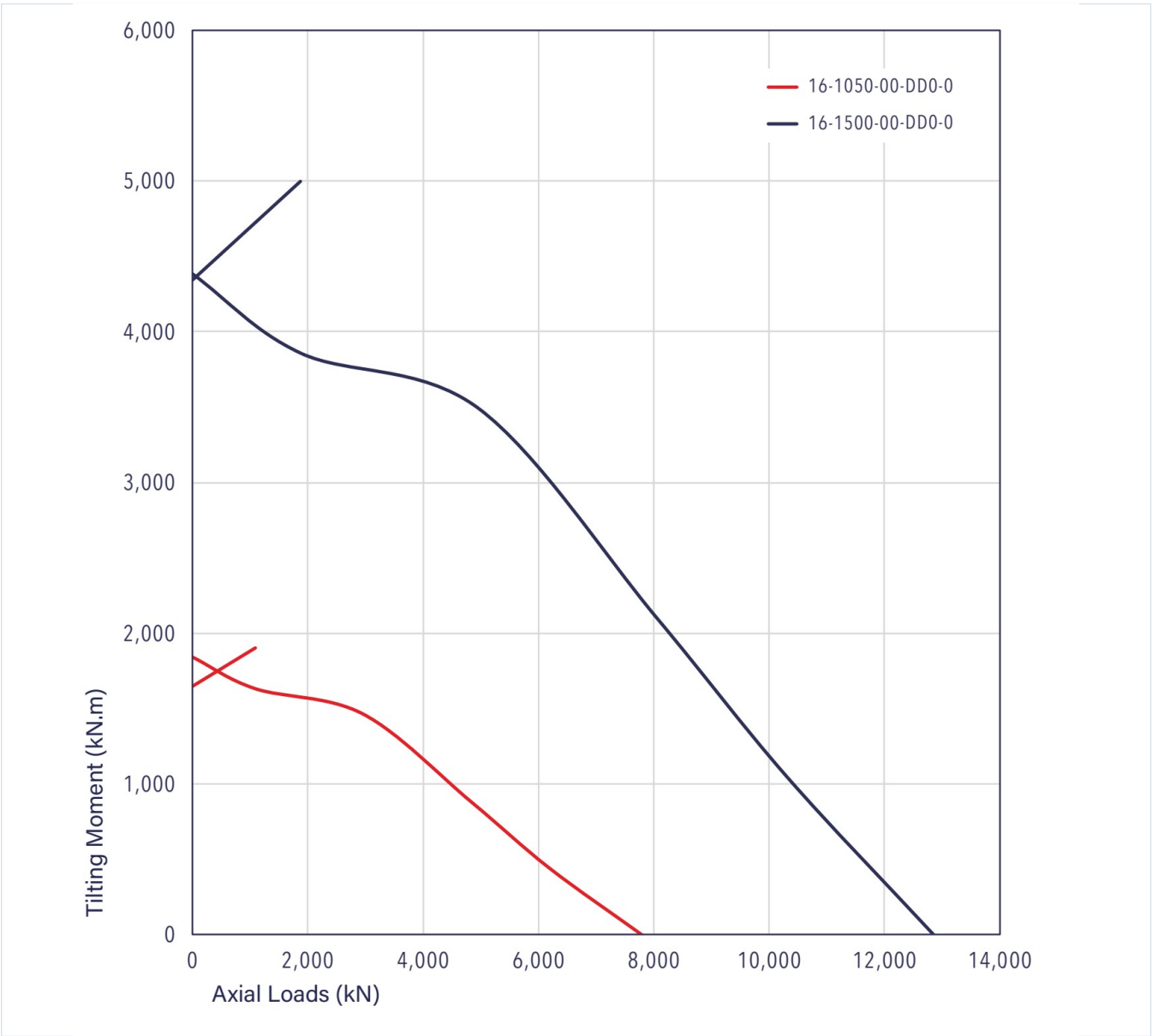
Complete Product Data

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-112-curve.webp SHA-256: 9ae717eb879e93936824607d3d9bc68e4fa1055aaed09024fe8cd15c67b2ce5d
Outline Drawing	rollix-page-112-drawing.webp SHA-256: 2102bcc75aee1dd325d53cdcc6ba5bc0e87e10022237a4ba706151ca65815e2b

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-112-curve.webp | SHA-256: 9ae717eb879e93936824607d3d9bc68e4fa1055aaed09024fe8cd15c67b2ce5d

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 SRGF2QCCZ37VONDPLLODZUMXPZ	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 112 Printed page 112
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/16-1050-00/>

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