

Factory-Verified Replacement

MERYDOM 16-2500-00

Certified for interchange with ROLLIX 16-2500-00. 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

16-2500-00

REFERENCE

ROLLIX 16-2500-00

SERIES

16 Series

STRUCTURE

Rulli incrociati a due corone

OVERALL OD

2,786 mm

OVERALL ID

2,290 mm

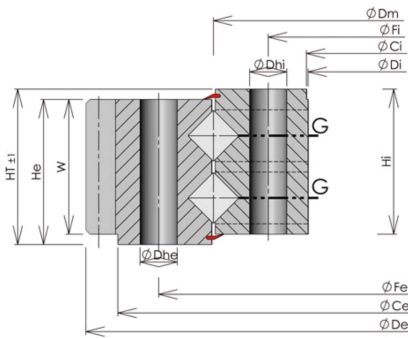
OVERALL HEIGHT

200 mm

GEAR

Dentatura esterna

Published Technical Drawing



rollix-page-113-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	16-2500-00
Certified interchangeable with	ROLLIX 16-2500-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	HKI6XLRUX7JBCXDJBITIRMUSAT
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	16-2500-00
Bearing structure	Rulli incrociati a due corone
Gear arrangement	Dentatura esterna
DIMENSION	
Overall height (HT)	200 mm
Overall outside diameter (Dia De)	2.786 mm
Outer ring height (He)	185 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Dia Di)	2.290 mm
Inner ring height (Hi)	185 mm
Assembly weight (Weight)	2.366 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	2.708 mm
Inner ring pilot diameter (Dia Ci)	2.292 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	2.625 mm
Outer ring mounting-hole count (Ne)	102
Outer ring mounting-hole specification (Dhe)	36 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	2.375 mm
Inner ring mounting-hole count (Ni)	102
Inner ring mounting-hole specification (Dhi)	36 mm
GEAR	
Gear module (Module)	18 mm
Gear tooth count (Z)	152
Gear face width (W)	165 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	586 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	682 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	682 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	586 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	102 holes - External ring hole type Th; Dhe 36 mm
Inner ring mounting	102 holes - Inner ring hole type Th; Dhi 36 mm
GEAR INTERFACE	
Pitch system	module
Module reference	18 mm
Number of teeth	152
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	113
Printed page	113
Source language	EN

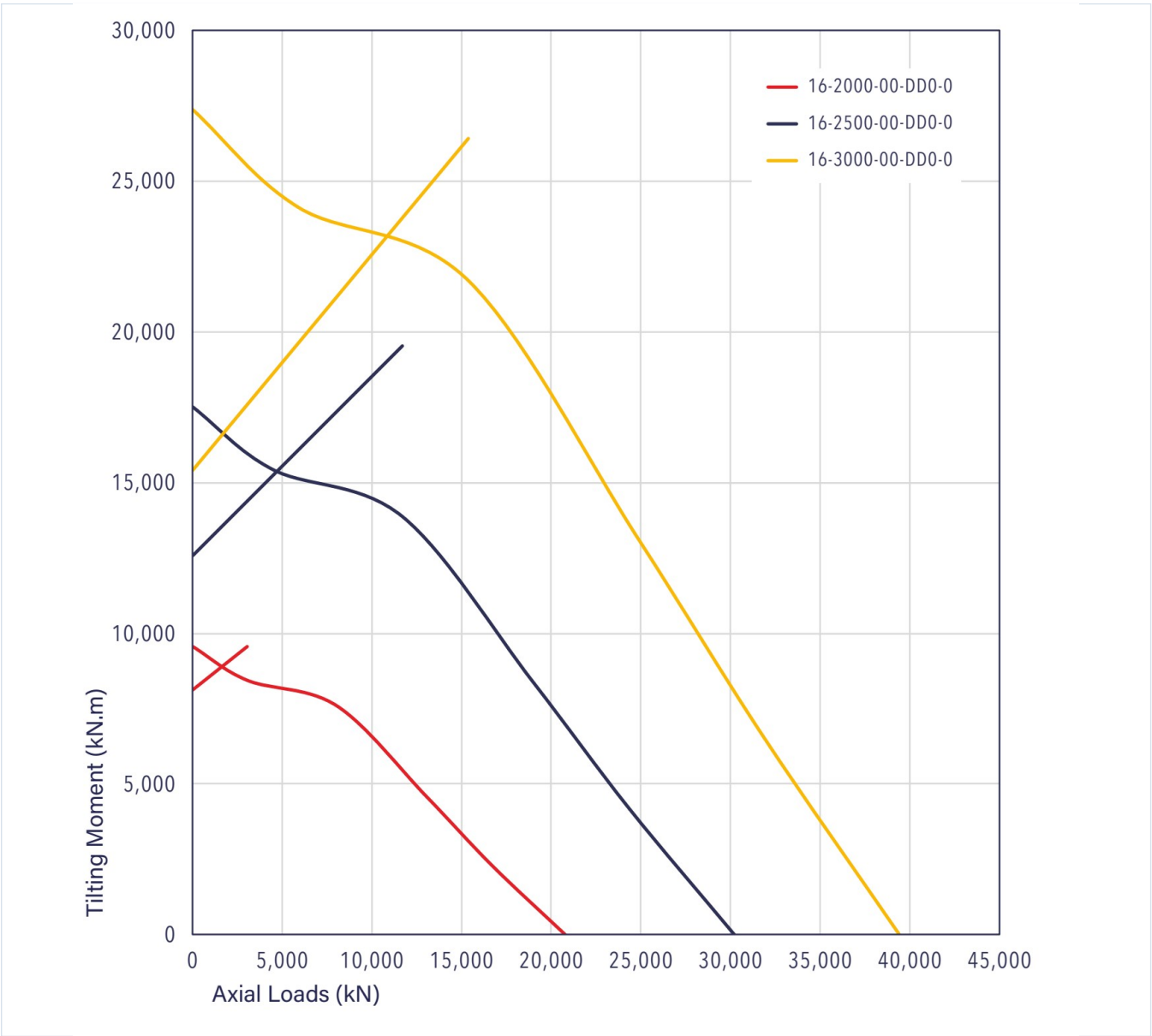
Complete Product Data

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-113-curve.webp SHA-256: 482e52d41e8906b075ef8a9a673a22fb46c6e33b699c43ac7ea5a6b947cf0c3b
Outline Drawing	rollix-page-113-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-113-curve.webp | SHA-256: 482e52d41e8906b075ef8a9a673a22fb46c6e33b699c43ac7ea5a6b947cf0c3b

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 HKI6XLRUX7JBCXDJBITIRMUSAT	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 113 Printed page 113
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/16-2500-00/>

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