

Factory-Verified Replacement

MERYDOM 18-3000-00

Certified for interchange with ROLLIX 18-3000-00. 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

18-3000-00

REFERENCE

ROLLIX 18-3000-00

SERIES

18 Series

STRUCTURE

Rulli incrociati a due corone

OVERALL OD

3,230 mm

OVERALL ID

2,775 mm

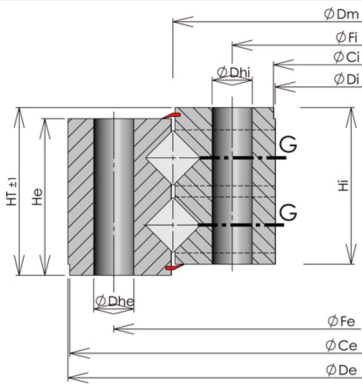
OVERALL HEIGHT

215 mm

GEAR

Senza dentatura

Published Technical Drawing



rollix-page-117-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	18-3000-00
Certified interchangeable with	ROLLIX 18-3000-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	VEGTBAKT3PXWQMCXNI4PAHQDZU
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	18 Series
Reference model	18-3000-00
Bearing structure	Rulli incrociati a due corone
Gear arrangement	Senza dentatura
DIMENSION	
Overall height (HT)	215 mm
Overall outside diameter (Dia De)	3.230 mm
Outer ring height (He)	200 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)	2.775 mm
Inner ring height (Hi)	200 mm
Assembly weight (Weight)	3.440 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	3.225 mm
Inner ring pilot diameter (Dia Ci)	2.778 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	3.140 mm
Outer ring mounting-hole count (Ne)	90
Outer ring mounting-hole specification (Dhe)	39 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	2.860 mm
Inner ring mounting-hole count (Ni)	90
Inner ring mounting-hole specification (Dhi)	39 mm
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
MOUNTING INTERFACES	
Outer ring mounting	90 holes - External ring hole type Th; Dhe 39 mm
Inner ring mounting	90 holes - Inner ring hole type Th; Dhi 39 mm

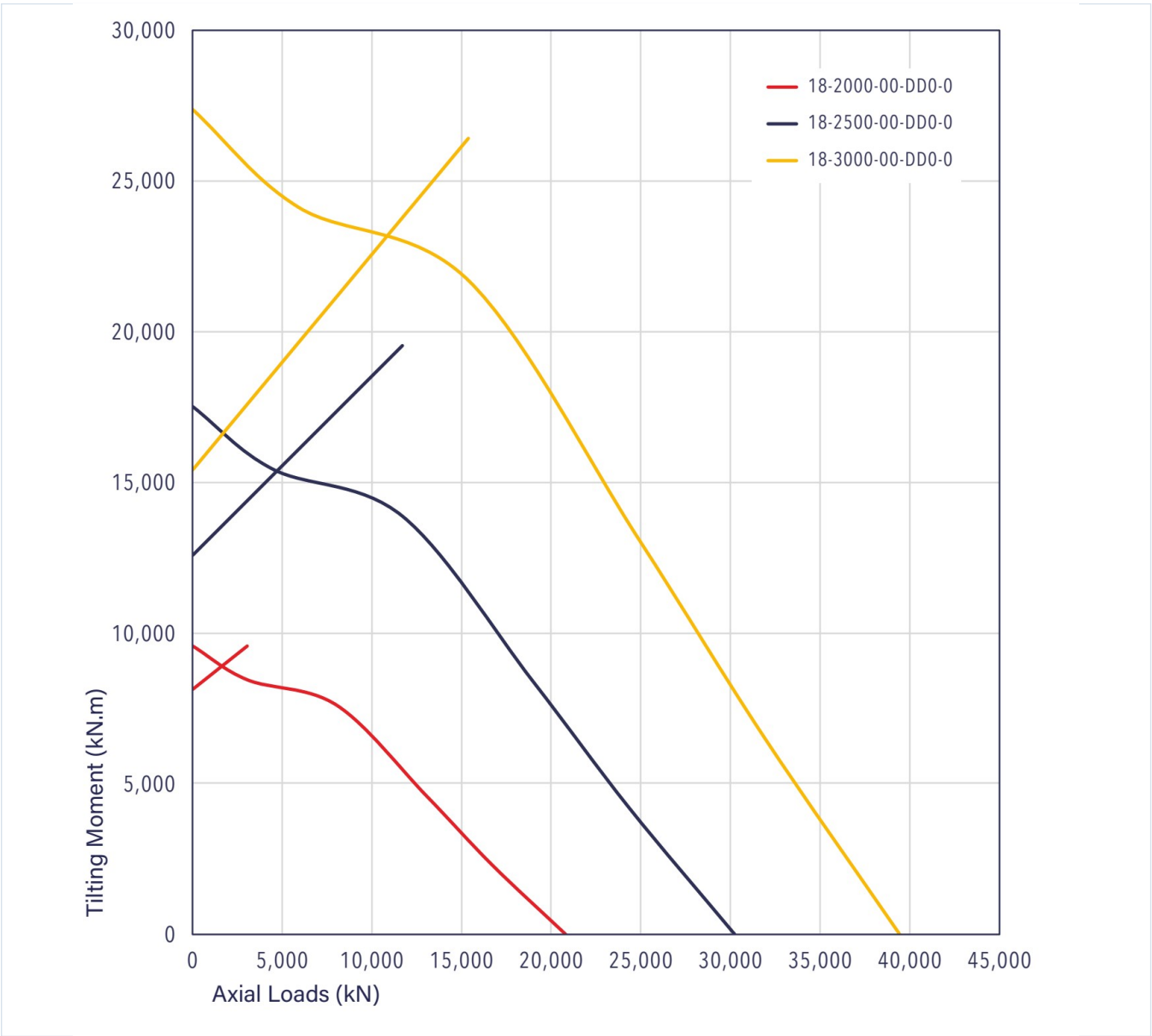
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	117
Printed page	117
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-117-curve.webp SHA-256: a94acfd9b58072e20342a05509af7926486a1e5c797feb242f1667557551b2cb
Outline Drawing	rollix-page-117-drawing.webp SHA-256: ac0602de8fe773c9e511e462c1ffc2ee8bf4bea546f81445f3afe25fb61388e3

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-117-curve.webp | SHA-256: a94acfd9b58072e20342a05509af7926486a1e5c797feb242f1667557551b2cb

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 VEGTBAKT3PXWQMCXNI4PAHQDZU	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 117 Printed page 117
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/18-3000-00/>

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