

Factory-Verified Replacement

MERYDOM 12-1418-01

Certified for interchange with ROLLIX 12-1418-01. 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

12-1418-01

REFERENCE

ROLLIX 12-1418-01

SERIES

12 Series

STRUCTURE

Esferas de contato angular de duas carreiras

OVERALL OD

1,550 mm

OVERALL ID

1,214 mm

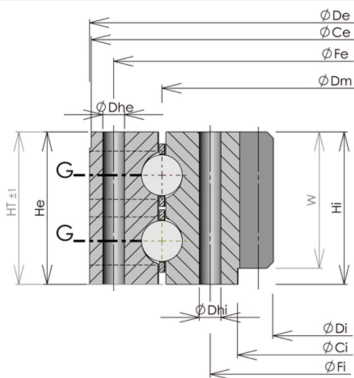
OVERALL HEIGHT

95 mm

GEAR

Engrenagem interna

Published Technical Drawing



rollix-page-133-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	12-1418-01
Certified interchangeable with	ROLLIX 12-1418-01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CNSRQCAUBC4V2AY7PXAZXJFV5I
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	12-1418-01
Bearing structure	Esferas de contato angular de duas carreiras
Gear arrangement	Engrenagem interna
DIMENSION	
Overall height (HT)	95 mm
Overall outside diameter (Dia De)	1.550 mm
Outer ring height (He)	95 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)	1.214 mm
Inner ring height (Hi)	95 mm
Assembly weight (Weight)	474 kg
MOUNTING	
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	1.500 mm
Outer ring mounting-hole count (Ne)	48
Outer ring mounting-hole specification (Dhe)	22 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	1.336 mm
Inner ring mounting-hole count (Ni)	48
Inner ring mounting-hole specification (Dhi)	22 mm
GEAR	
Gear module (Module)	12 mm
Gear tooth count (Z)	102
Gear face width (W)	85 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	196 kN
Gear capacity, hardened (Gear capacity hardened)	228 kN
MISCELLANEOUS	

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MISCELLANEOUS (CONTINUED)	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	228 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	196 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - External ring hole type Th; Dhe 22 mm
Inner ring mounting	48 holes - Inner ring hole type Th; Dhi 22 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	133
Printed page	133
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	

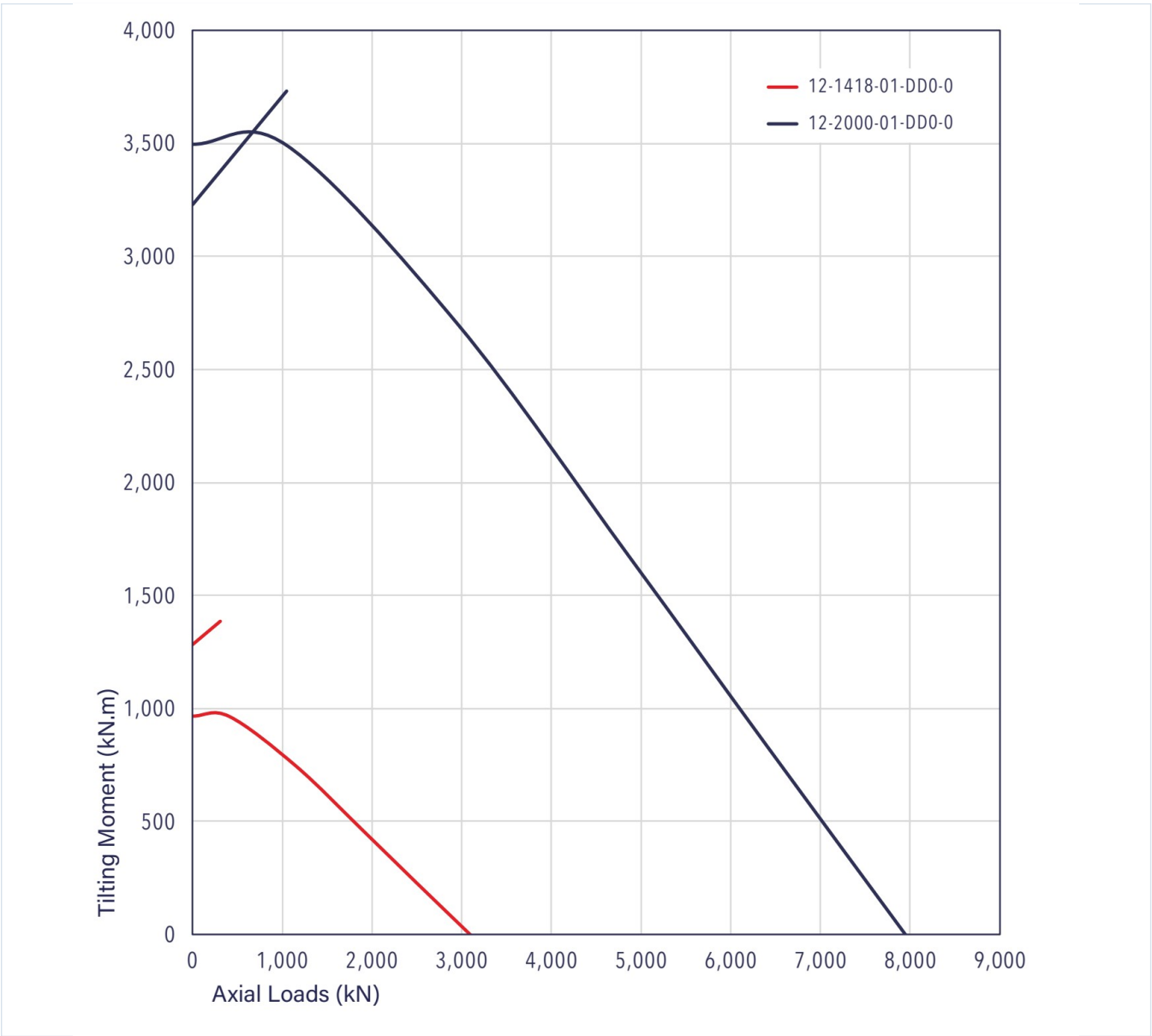
Complete Product Data

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

PUBLISHED TECHNICAL MEDIA (CONTINUED)	
Load Curve Chart	rollix-page-133-curve.webp SHA-256: aec85cc3a68741b21c24dc3c4e9a7b9b715d5594a14ea1780484b7189b6a98d2
Outline Drawing	rollix-page-133-drawing.webp SHA-256: 51b223c2ebd61adbe8a971662689aec641a3c4e72eb4e80be9693e99490e5272

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 CNSRQCAUBC4V2AY7PXAZXJFV5I	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 133 Printed page 133
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/pt/produtos/rolamentos-de-giro-de-substituicao/rollix/12-1418-01/>

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