

Factory-Verified Replacement

MERYDOM 01-0897-00

Certified for interchange with ROLLIX 01-0897-00. 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

01-0897-00

REFERENCE

ROLLIX 01-0897-00

SERIES

01 Series

STRUCTURE

Sfere a quattro punti di contatto a una corona

OVERALL OD

1,013 mm

OVERALL ID

805 mm

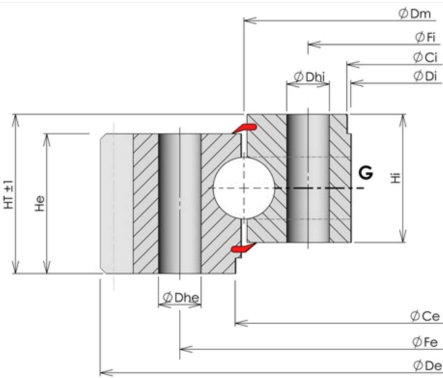
OVERALL HEIGHT

56 mm

GEAR

Dentatura esterna

Published Technical Drawing



rollix-page-069-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	01-0897-00
Certified interchangeable with	ROLLIX 01-0897-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	QFNPFYZP5E6R77PTJYAQLF4JOW
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	01 Series
Reference model	01-0897-00
Bearing structure	Sfere a quattro punti di contatto a una corona
Gear arrangement	Dentatura esterna
DIMENSION	
Overall height (HT)	56 mm
Overall outside diameter (Dia De)	1.013 mm
Outer ring height (He)	46 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)	805 mm
Inner ring height (Hi)	46 mm
Assembly weight (Weight)	93 kg
MOUNTING	
Inner ring pilot diameter (Dia Ci)	806 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	952 mm
Outer ring mounting-hole count (Ne)	24
Outer ring mounting-hole specification (Dhe)	17,5 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	842 mm
Inner ring mounting-hole count (Ni)	24
Inner ring mounting-hole specification (Dhi)	17,5 mm
GEAR	
Gear module (Module)	6 mm
Gear tooth count (Z)	166
Gear face width (W)	46 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	42 kN
Gear capacity, hardened (Gear capacity hardened)	56 kN

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MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	56 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	42 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - External ring hole type Th; Dhe 17.5 mm
Inner ring mounting	24 holes - Inner ring hole type Th; Dhi 17.5 mm
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	166
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	69
Printed page	69
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	

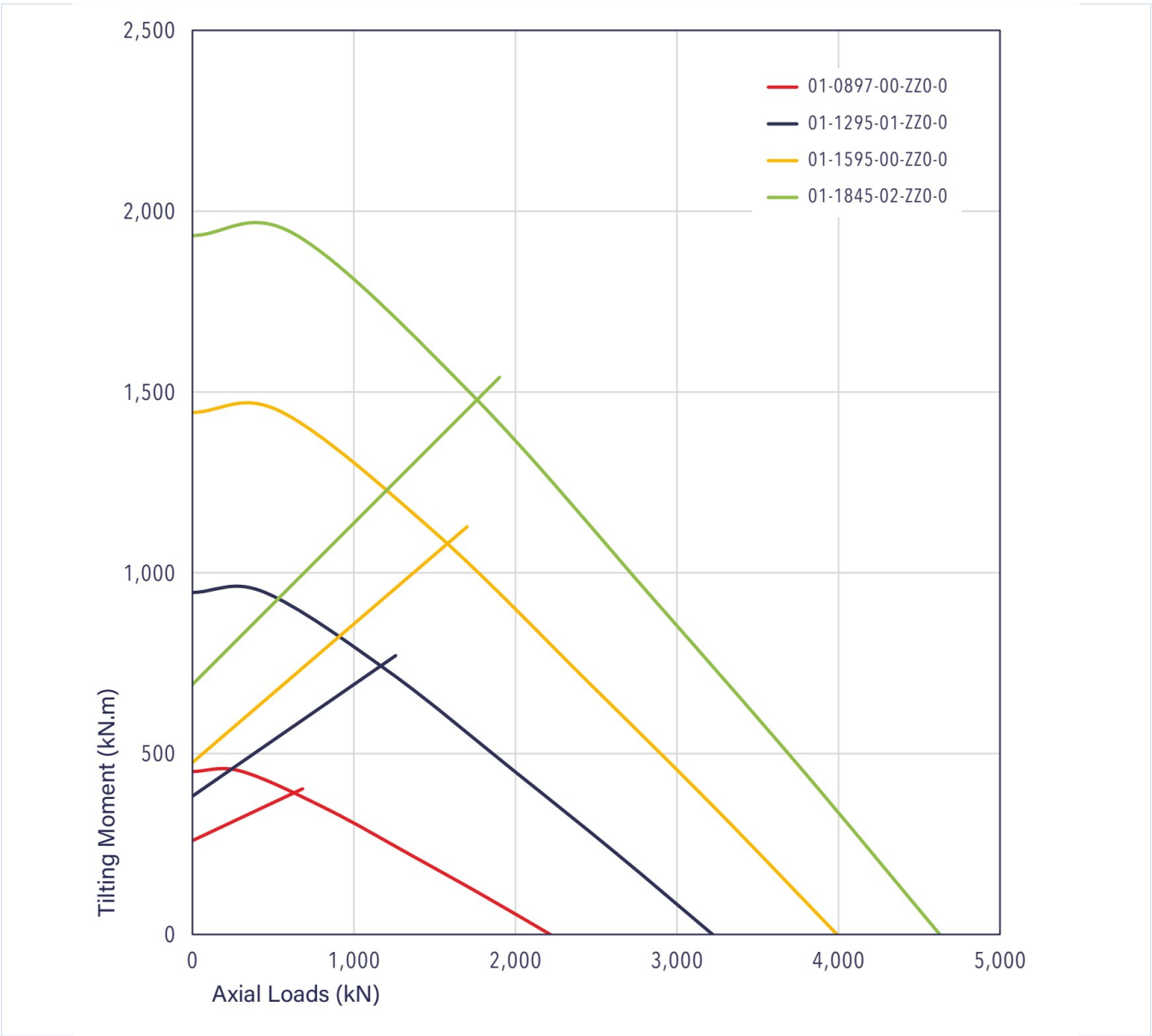
Complete Product Data

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PUBLISHED TECHNICAL MEDIA (CONTINUED)	
Load Curve Chart	rollix-page-069-curve.webp SHA-256: bcdcf98ca6f254ed1de42be9633d7954dcaa4f77c8039f32c6072de6f995e807
Outline Drawing	rollix-page-069-drawing.webp SHA-256: 3d6f0cbf07fbf535b531eb1dd278984759e3c4235b90ed51a2da613082d71ac5

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 QFNPFYZP5E6R77PTJYAQLF4JOW	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 69 Printed page 69
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/01-0897-00/>

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