

Factory-Verified Replacement

MERYDOM 07-2810-09

Certified for interchange with ROLLIX 07-2810-09. 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

07-2810-09

REFERENCE

ROLLIX 07-2810-09

SERIES

07 Series

STRUCTURE

Single-row crossed roller

OVERALL OD

3,020 mm

OVERALL ID

2,495 mm

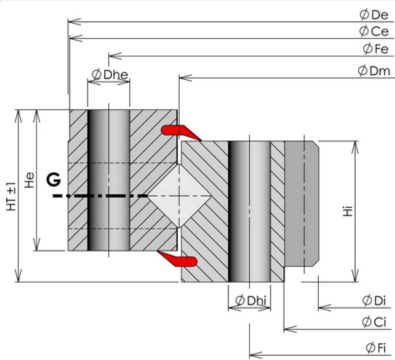
OVERALL HEIGHT

158 mm

GEAR

Internal gear

Published Technical Drawing



rollix-page-107-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	07-2810-09
Certified interchangeable with	ROLLIX 07-2810-09
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	N5S5NH7O5SEYOUK3PNMZJIH2EN
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	07 Series
Reference model	07-2810-09
Bearing structure	Single-row crossed roller
Gear arrangement	Internal gear
DIMENSION	
Overall height (HT)	158 mm
Overall outside diameter (Dia De)	3,020 mm
Outer ring height (He)	140 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)	2,495 mm
Inner ring height (Hi)	148 mm
Assembly weight (Weight)	2,165 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	3,016 mm
Inner ring pilot diameter (Dia Ci)	2,800 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	2,950 mm
Outer ring mounting-hole count (Ne)	72
Outer ring mounting-hole specification (Dhe)	36 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	2,670 mm
Inner ring mounting-hole count (Ni)	72
Inner ring mounting-hole specification (Dhi)	36 mm
GEAR	
Gear module (Module)	20 mm
Gear tooth count (Z)	126
Gear face width (W)	148 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	576 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	670 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	670 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	576 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	72 holes - External ring hole type Th; Dhe 36 mm
Inner ring mounting	72 holes - Inner ring hole type Th; Dhi 36 mm
GEAR INTERFACE	
Pitch system	module
Module reference	20 mm
Number of teeth	126
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	107
Printed page	107
Source language	EN

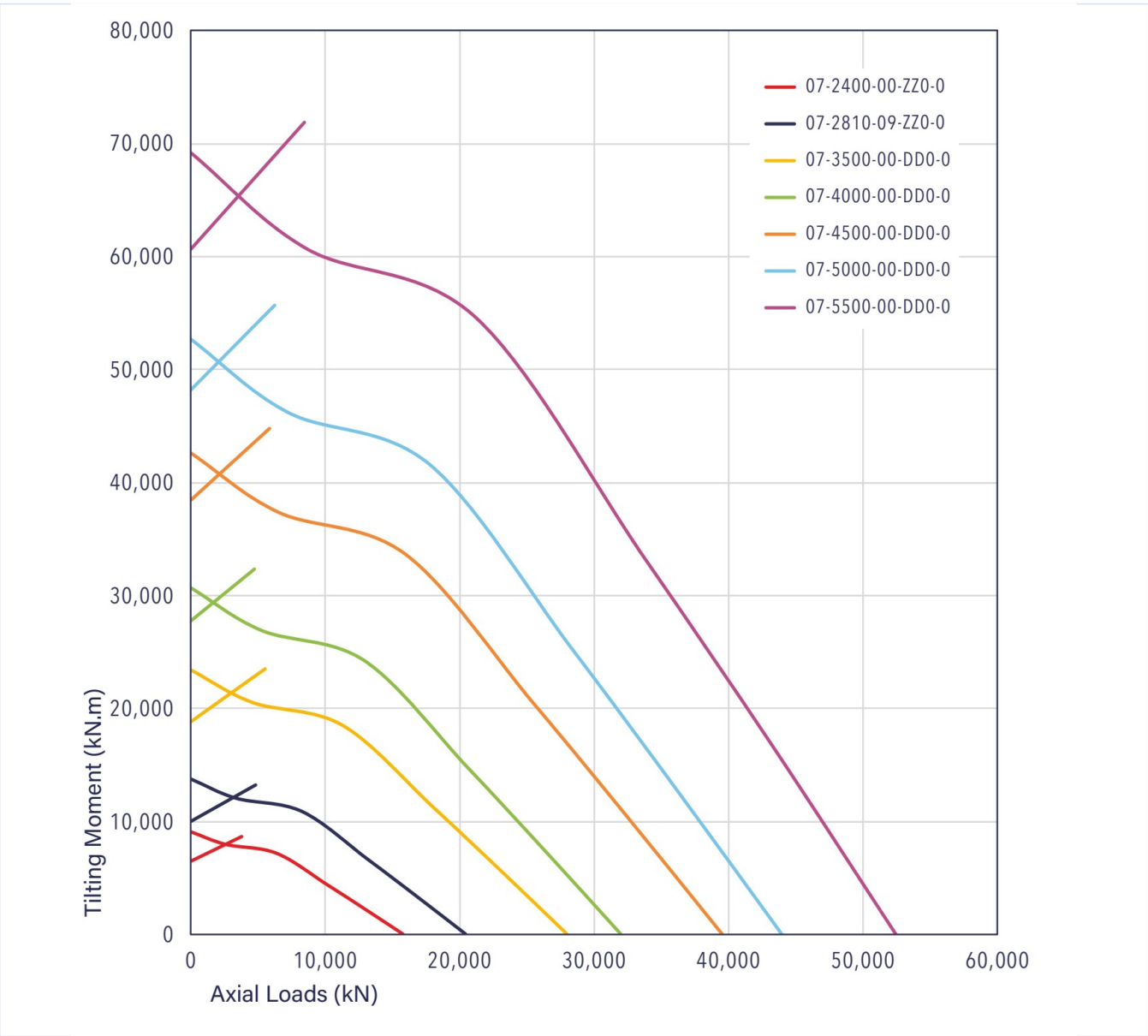
Complete Product Data

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-107-curve.webp SHA-256: 24afbfc64aac4ec1853567c87a7d9acb66bdd38fdf0b4c2650a5d16a911dffa0
Outline Drawing	rollix-page-107-drawing.webp SHA-256: e66350cc60b400386dd3e03ab66494a28a551dfa0b809733cefe424251ac2de5

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-107-curve.webp | SHA-256: 24afbfc64aac4ec1853567c87a7d9acb66bdd38fd0b4c2650a5d16a911dffa0

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 N5S5NH7O5SEYOUK3PNMZJIH2EN	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 107 Printed page 107
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/07-2810-09/>

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