

Factory-Verified Replacement

MERYDOM 17-1050-00

Certified for interchange with ROLLIX 17-1050-00. 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

17-1050-00

REFERENCE

ROLLIX 17-1050-00

SERIES

17 Series

STRUCTURE

Double-row crossed roller

OVERALL OD

1,204 mm

OVERALL ID

852 mm

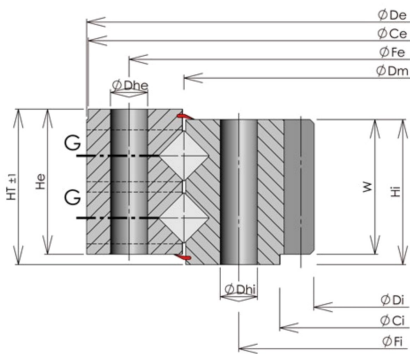
OVERALL HEIGHT

139 mm

GEAR

Internal gear

Published Technical Drawing



rollix-page-114-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	17-1050-00
Certified interchangeable with	ROLLIX 17-1050-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CSQ6X4X567KA4TYFOPNRRBOMOD
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	17 Series
Reference model	17-1050-00
Bearing structure	Double-row crossed roller
Gear arrangement	Internal gear
DIMENSION	
Overall height (HT)	139 mm
Overall outside diameter (Dia De)	1,204 mm
Outer ring height (He)	129 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)	852 mm
Inner ring height (Hi)	129 mm
Assembly weight (Weight)	477 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	1,200 mm
Inner ring pilot diameter (Dia Ci)	895 mm
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	1,141 mm
Outer ring mounting-hole count (Ne)	48
Outer ring mounting-hole specification (Dhe)	30 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	959 mm
Inner ring mounting-hole count (Ni)	48
Inner ring mounting-hole specification (Dhi)	30 mm
GEAR	
Gear module (Module)	10 mm
Gear tooth count (Z)	86
Gear face width (W)	100 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	189 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Gear capacity, hardened (Gear capacity hardened)	220 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Hardened	220 kN Not simultaneous with other listed dynamic ratings
Rating Gear Capacity Unhardened	189 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - External ring hole type Th; Dhe 30 mm
Inner ring mounting	48 holes - Inner ring hole type Th; Dhi 30 mm
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	86
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	114
Printed page	114
Source language	EN

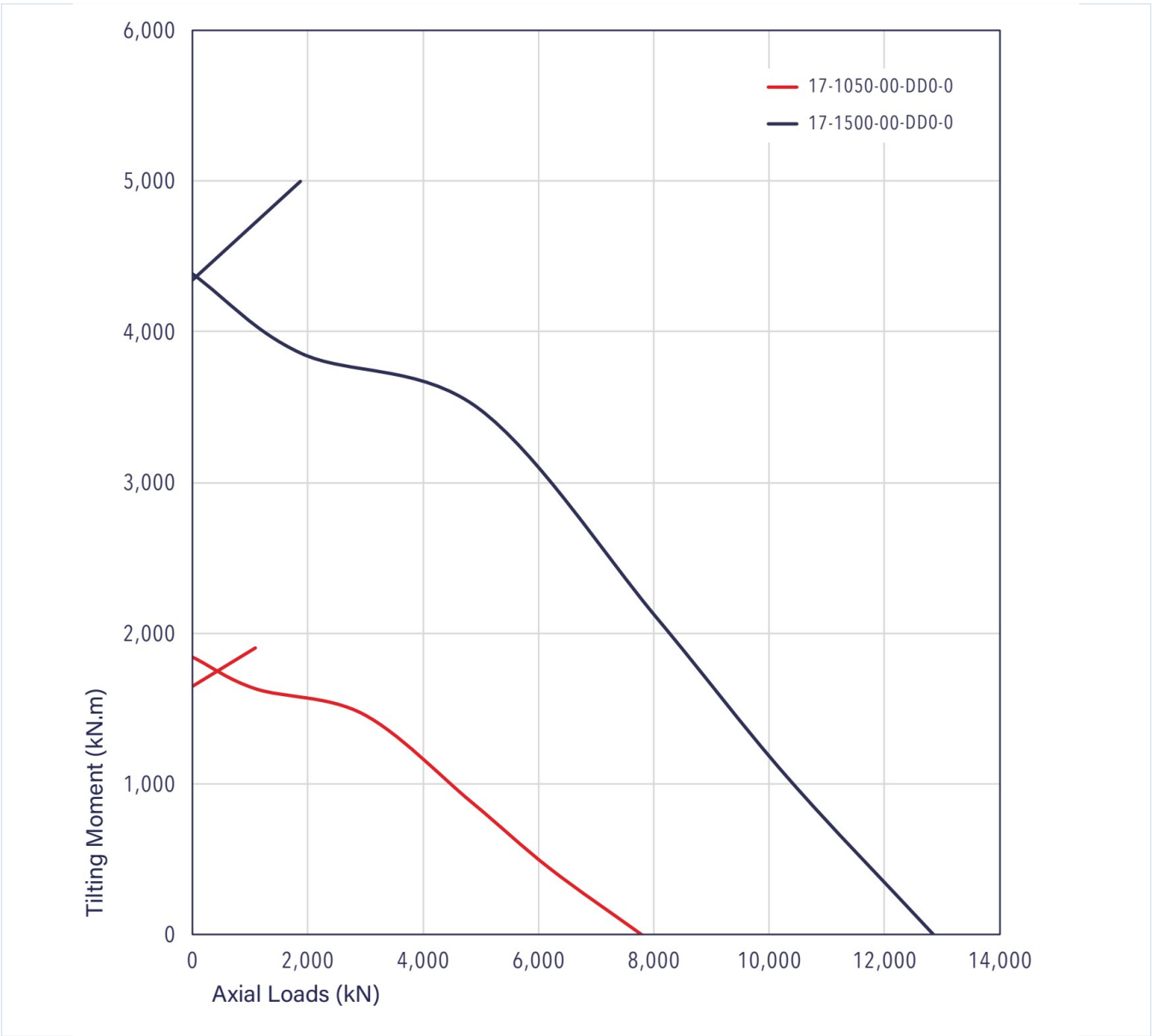
Complete Product Data

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-114-curve.webp SHA-256: 7703cb132d49a294be296f53abaa77f68ed07ac20269d5e9e60839f8a37b1fd3
Outline Drawing	rollix-page-114-drawing.webp SHA-256: b3ef5c454f2e9a350dd0e641d6f3f27b1b3e2aa874a16f9180530cdd43dfe4df

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-114-curve.webp | SHA-256: 7703cb132d49a294be296f53abaa77f68ed07ac20269d5e9e60839f8a37b1fd3

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 CSQ6X4X567KA4TYFOPNRRBOMOD	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 114 Printed page 114
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/17-1050-00/>

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