Factory-Verified Replacement

MERYDOM 88-0445-00

Certified for interchange with ROLLIX 88-0445-00. 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
88-0445-00

REFERENCE
ROLLIX 88-0445-00

SERIES
88 Series

STRUCTURE
Cuscinetto a rulli di precisione

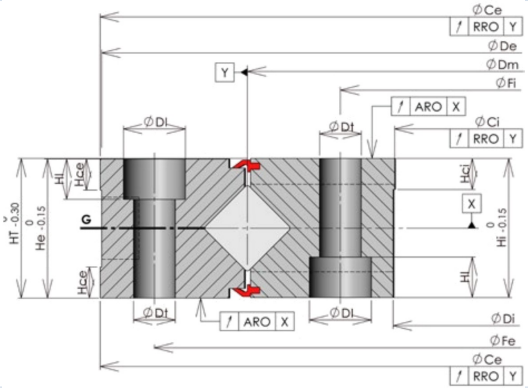
OVERALL OD
539 mm

OVERALL ID
351 mm

OVERALL HEIGHT
45 mm

GEAR
Senza dentatura

Published Technical Drawing



rollix-page-123-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	88-0445-00
Certified interchangeable with	ROLLIX 88-0445-00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	OIRKF3ICE4RXUWQJ37IH2UIRGO
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	88 Series
Reference model	88-0445-00
Bearing structure	Cuscinetto a rulli di precisione
Gear arrangement	Senza dentatura
DIMENSION	
Overall outside diameter (Dia De)	539 mm
Overall inside diameter (Dia Di)	351 mm
Overall height (HT)	45 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Outer ring height (He)	45 mm
Inner ring height (Hi)	45 mm
Assembly weight (Weight)	41 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	540 mm
Inner ring pilot diameter (Dia Ci)	350 mm
Outer ring pilot height (Hce)	10 mm
Inner ring pilot height (Hci)	10 mm
Common mounting-hole diameter (Dt)	13 mm
Catalog mounting diameter DI (DI)	20 mm
Catalog mounting height HI (HI)	13 mm
Outer ring bolt circle (Fe)	505 mm
Outer ring mounting-hole count (Ne*)	24
Inner ring bolt circle (Fi)	385 mm
Inner ring mounting-hole count (Ni*)	24
PERFORMANCE	
Outer ring axial run-out (BE (ARO))	12 um
Inner ring axial run-out (BI (ARO))	12 um
Outer ring radial run-out (BE (RRO))	12 um
Inner ring radial run-out (BI (RRO))	12 um

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PERFORMANCE (CONTINUED)	
Maximum unloaded starting torque (Maximum starting torque)	55 Nm
Maximum allowable rotation speed (Maximum allowable speed)	75 rpm
PERFORMANCE RATINGS	
Rating Starting Torque Max	55 Nm | Not simultaneous with other listed dynamic ratings
Axial Runout Outer	12 um | Not simultaneous with other listed dynamic ratings
Axial Runout Inner	12 um | Not simultaneous with other listed dynamic ratings
Rating Speed Max	75 rpm | Not simultaneous with other listed dynamic ratings
Radial Runout Outer	12 um | Not simultaneous with other listed dynamic ratings
Radial Runout Inner	12 um | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - Dt 13 mm; DI 20 mm; HI 13 mm
Inner ring mounting	24 holes - Dt 13 mm; Hci 10 mm
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	123
Printed page	123
Source language	EN

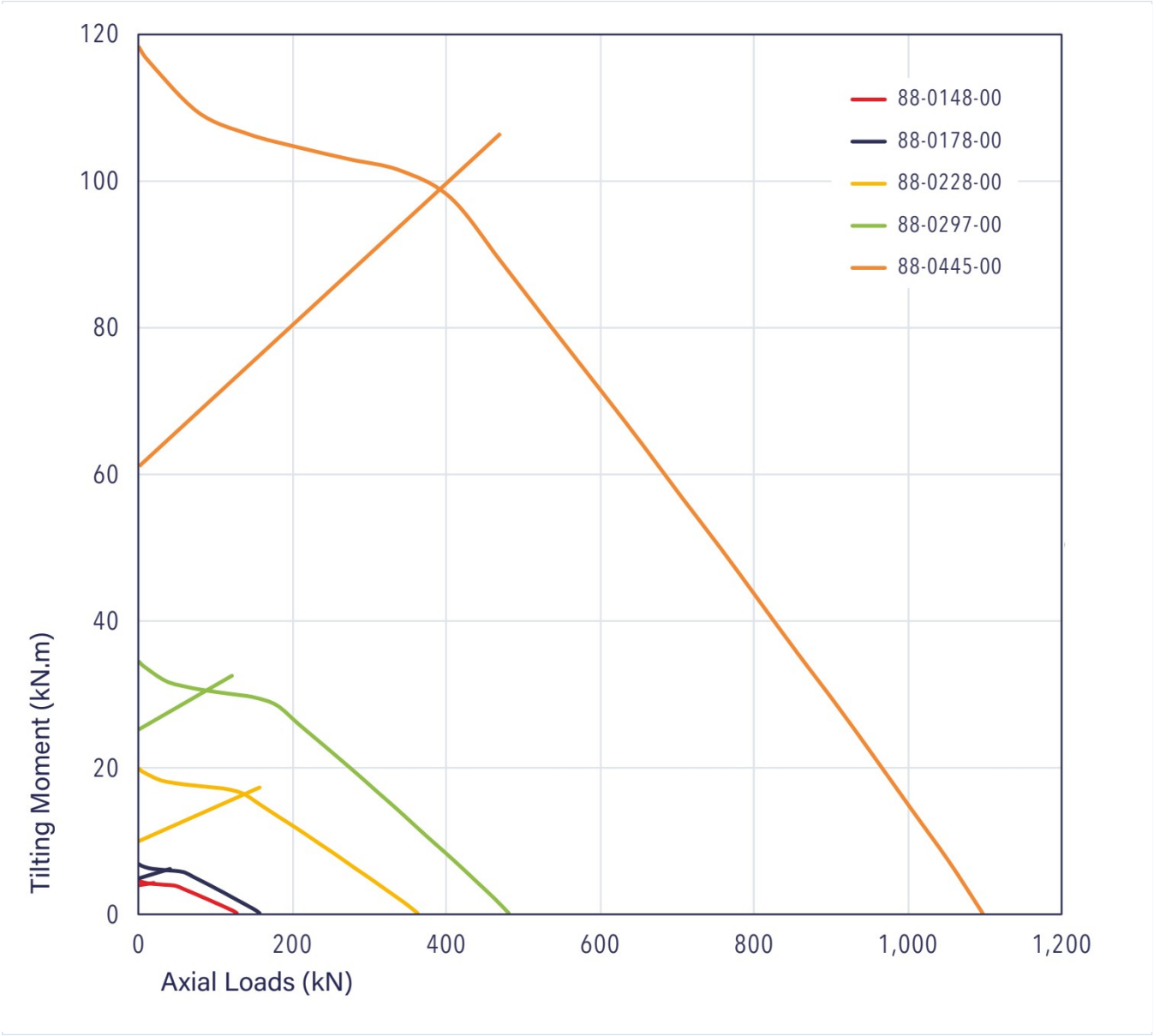
Complete Product Data

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-123-curve.webp | SHA-256: 4b883ab9c90f70bb998acc83b4e9fdd2767552ae8fa0450baa3c2fc06ea10c27
Outline Drawing	rollix-page-123-drawing.webp | SHA-256: 42042e4c05ef1edfa6a6d35c367c172cb374033944560d6cb49df38a8cdfc012

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-123-curve.webp | SHA-256: 4b883ab9c90f70bb998acc83b4e9fdd2767552ae8fa0450baa3c2fc06ea10c27

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

OIRKF3ICE4RXUWQJ37IH2UIRGO

SOURCE DOCUMENT

ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07

SOURCE FILE

ROLLIX.pdf

SOURCE LOCATION

PDF page 123 | Printed page 123

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/88-0445-00/