

MERYDOM 88-0240-01

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

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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	88-0240-01
Certified interchangeable with	ROLLIX 88-0240-01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	4S7EM63NNPIHELIT4S662RMNR6
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	88-0240-01
Bearing structure	Precision roller bearing
Gear arrangement	Ungeared
DIMENSION	
Overall outside diameter (Dia De)	296 mm
Overall inside diameter (Dia Di)	184 mm
Overall height (HT)	30 mm

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DIMENSION (CONTINUED)	
Outer ring height (He)	30 mm
Inner ring height (Hi)	30 mm
Assembly weight (Weight)	9 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	297 mm
Inner ring pilot diameter (Dia Ci)	183 mm
Outer ring pilot height (Hce)	8 mm
Inner ring pilot height (Hci)	10 mm
Outer ring bolt circle (Fe)	275 mm
Outer ring mounting-hole count (Ne*)	12
Inner ring bolt circle (Fi)	205 mm
Inner ring mounting-hole count (Ni*)	12
PERFORMANCE	
Outer ring axial run-out (BE (ARO))	4 um
Inner ring axial run-out (BI (ARO))	4 um
Outer ring radial run-out (BE (RRO))	4 um
Inner ring radial run-out (BI (RRO))	4 um
Maximum unloaded starting torque (Maximum starting torque)	25 Nm
Maximum allowable rotation speed (Maximum allowable speed)	160 rpm

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PERFORMANCE RATINGS	
Rating Starting Torque Max	25 Nm Not simultaneous with other listed dynamic ratings
Axial Runout Outer	4 um Not simultaneous with other listed dynamic ratings
Axial Runout Inner	4 um Not simultaneous with other listed dynamic ratings
Rating Speed Max	160 rpm Not simultaneous with other listed dynamic ratings
Radial Runout Outer	4 um Not simultaneous with other listed dynamic ratings
Radial Runout Inner	4 um Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	12 holes - See source drawing
Inner ring mounting	12 holes - 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	124
Printed page	124
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-124-curve.webp SHA-256: ea331fb77d8df75c754fd0d8956a9a3f02a4134d081110d8bc51b73ede0c0d17

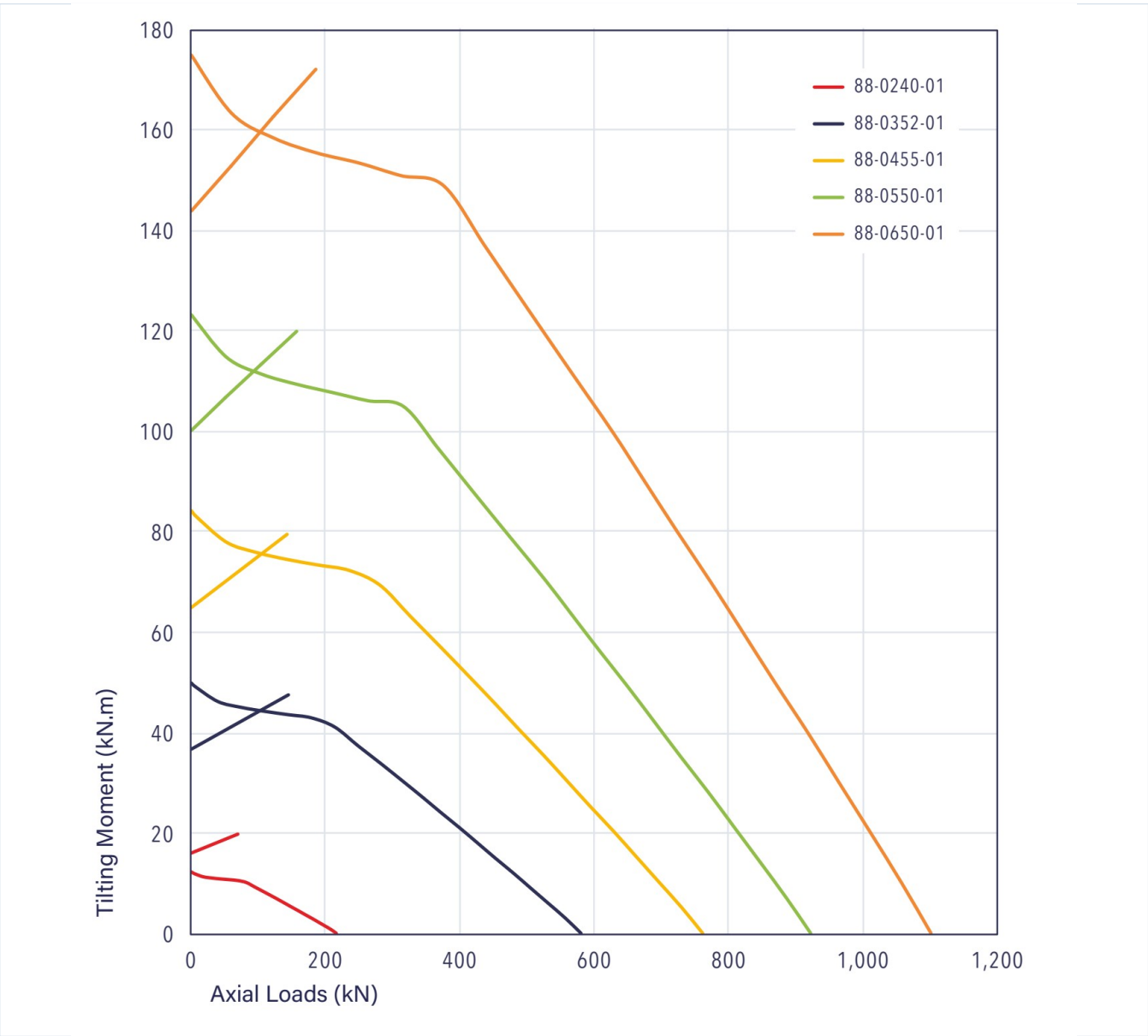
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PUBLISHED TECHNICAL MEDIA (CONTINUED)	
Outline Drawing	rollix-page-124-drawing.webp SHA-256: e9915152c61e970cad1cb63e524e646ac8d4f0daf839be58e8de8c349f92a28a

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-124-curve.webp | SHA-256: ea331fb77d8df75c754fd0d8956a9a3f02a4134d081110d8bc51b73ede0c0d17

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 4S7EM63NNPIHELIT4S662RMNR6	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 124 Printed page 124
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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/rollix/88-0240-01/>

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