

MERYDOM 24-1091-01

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

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	24-1091-01
Certified interchangeable with	ROLLIX 24-1091-01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	2MLZS6WZFDCBDQMTXA36J3X2PM
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	24 Series
Reference model	24-1091-01
Bearing structure	Light-series ball bearing
Gear arrangement	External gear
DIMENSION	
Overall height (HT)	56 mm
Overall outside diameter (Dia De)	1,198 mm
Outer ring height (He)	46 mm

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DIMENSION (CONTINUED)	
Overall inside diameter (Dia Di)	984 mm
Inner ring height (Hi)	46 mm
Assembly weight (Weight)	88 kg
MOUNTING	
Outer ring hole type (External ring hole type)	Bd
Outer ring bolt circle (Dia Fe)	1,135 mm
Outer ring mounting-hole count (Ne)	22
Outer ring mounting-hole specification (Dhe)	M12 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	1,012 mm
Inner ring mounting-hole count (Ni)	20
Inner ring mounting-hole specification (Dhi)	18 mm
GEAR	
Gear module (Module)	8 mm
Gear tooth count (Z)	148
Gear face width (W)	46 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	55 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I

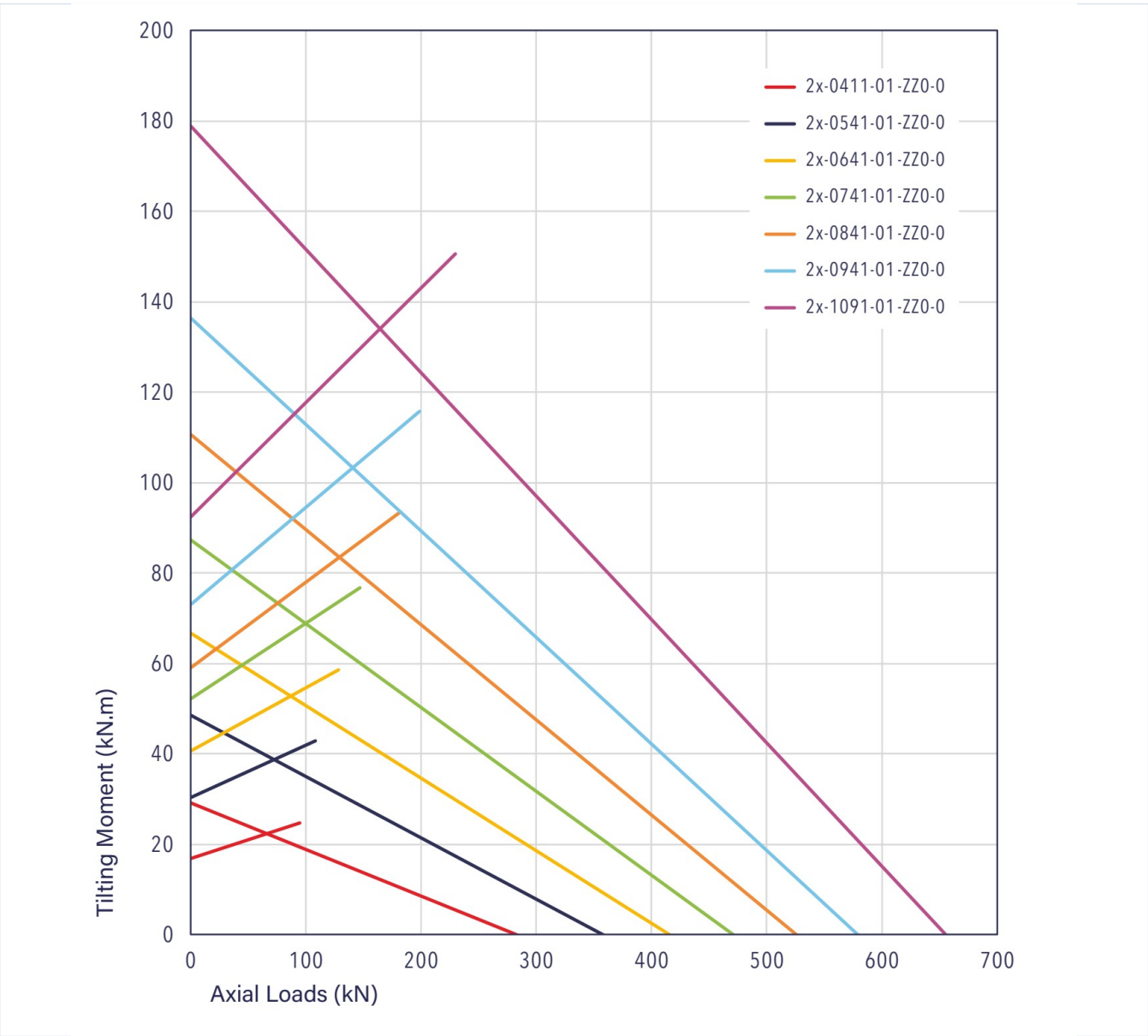
Complete Product Data

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MISCELLANEOUS (CONTINUED)	
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Unhardened	55 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	22 holes - External ring hole type Bd; Dhe M12 mm
Inner ring mounting	20 holes - Inner ring hole type Th; Dhi 18 mm
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	148
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	91
Printed page	91
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-091-curve.webp SHA-256: 761fa565d0a9fd56d66e3316d7999a0d03881dad3b2769870d2a9debad5640e5
Outline Drawing	rollix-page-091-drawing.webp SHA-256: fe4687b4c393b30ab31b2f706ac4728e2f4be2e83961e38369e9b725b30f21d4

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-091-curve.webp | SHA-256: 761fa565d0a9fd56d66e3316d7999a0d03881dad3b2769870d2a9debad5640e5

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 2MLZS6WZFDCBDQMTXA36J3X2PM	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 91 Printed page 91
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/24-1091-01/>

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