

MERYDOM 25-0541-01

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

Internal gear

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	25-0541-01
Certified interchangeable with	ROLLIX 25-0541-01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	YFVDGCJBQ2KIN6AMFLB4ZIM3F3
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	25 Series
Reference model	25-0541-01
Bearing structure	Light-series ball bearing
Gear arrangement	Internal gear
DIMENSION	
Overall height (HT)	56 mm
Overall outside diameter (Dia De)	648 mm
Outer ring height (He)	46 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Dia Di)	445 mm
Inner ring height (Hi)	46 mm
Assembly weight (Weight)	40 kg
MOUNTING	
Outer ring hole type (External ring hole type)	Th
Outer ring bolt circle (Dia Fe)	620 mm
Outer ring mounting-hole count (Ne)	10
Outer ring mounting-hole specification (Dhe)	18 mm
Inner ring hole type (Inner ring hole type)	Bd
Inner ring bolt circle (Dia Fi)	505 mm
Inner ring mounting-hole count (Ni)	16
Inner ring mounting-hole specification (Dhi)	M12 mm
GEAR	
Gear module (Module)	6 mm
Gear tooth count (Z)	76
Gear face width (W)	46 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	40 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E

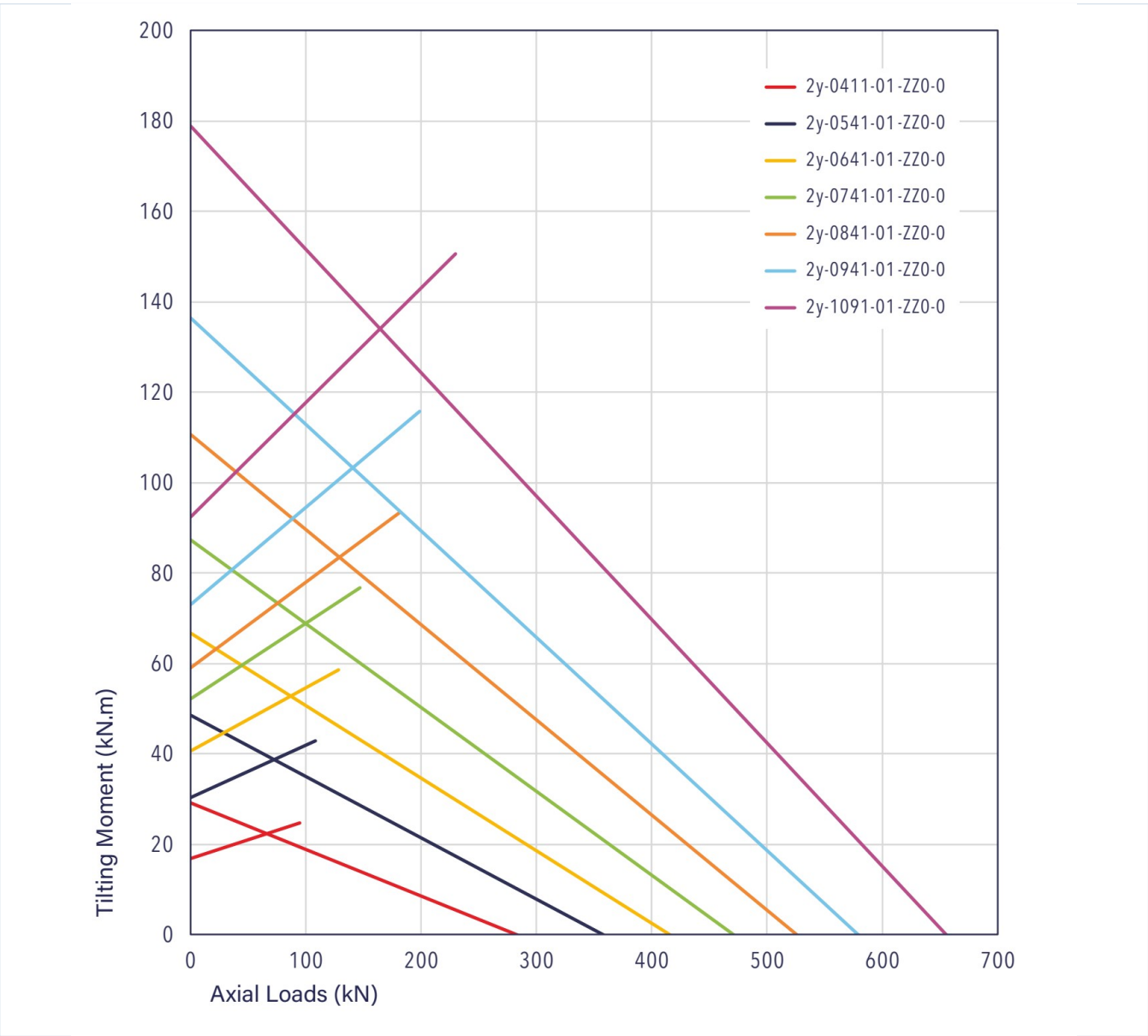
Complete Product Data

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MISCELLANEOUS (CONTINUED)	
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Unhardened	40 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	10 holes - External ring hole type Th; Dhe 18 mm
Inner ring mounting	16 holes - Inner ring hole type Bd; Dhi M12 mm
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	76
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	92
Printed page	92
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-092-curve.webp SHA-256: 45b2a64c043f0c11019597338119f1f67d486ac48379e7c8aeb2faca52d0c326
Outline Drawing	rollix-page-092-drawing.webp SHA-256: 134d05a6d052f43320272476eb338c5572e47c4cbd516b1a1ea83ebd1208f9f9

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-092-curve.webp | SHA-256: 45b2a64c043f0c11019597338119f1f67d486ac48379e7c8aeb2faca52d0c326

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 YFVDGCJBQ2KIN6AMFLB4ZIM3F3	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 92 Printed page 92
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/25-0541-01/>

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