

Factory-Verified Replacement

MERYDOM 23-0541-01

Certified for interchange with ROLLIX 23-0541-01. 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

23-0541-01

REFERENCE

ROLLIX 23-0541-01

SERIES

23 Series

STRUCTURE

Light-series ball bearing

OVERALL OD

648 mm

OVERALL ID

434 mm

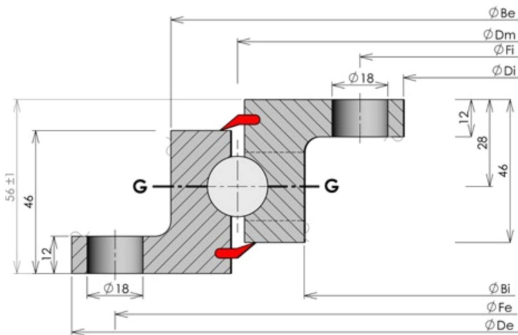
OVERALL HEIGHT

56 mm

GEAR

Ungeared

Published Technical Drawing



rollix-page-093-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	23-0541-01
Certified interchangeable with	ROLLIX 23-0541-01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SNF4GICTMVUOJG5QEEPJJ2KUTK
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	23 Series
Reference model	23-0541-01
Bearing structure	Light-series ball bearing
Gear arrangement	Ungeared
DIMENSION	
Overall height (HT)	56 mm
Overall outside diameter (Dia De)	648 mm
Outer ring height (He)	46 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)	434 mm
Inner ring height (Hi)	46 mm
Assembly weight (Weight)	34 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)	Th
Inner ring bolt circle (Dia Fi)	462 mm
Inner ring mounting-hole count (Ni)	14
Inner ring mounting-hole specification (Dhi)	18 mm
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	E+I
Greasing hole type (Greasing hole type)	R
MOUNTING INTERFACES	
Outer ring mounting	10 holes - External ring hole type Th; Dhe 18 mm
Inner ring mounting	14 holes - Inner ring hole type Th; Dhi 18 mm
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing

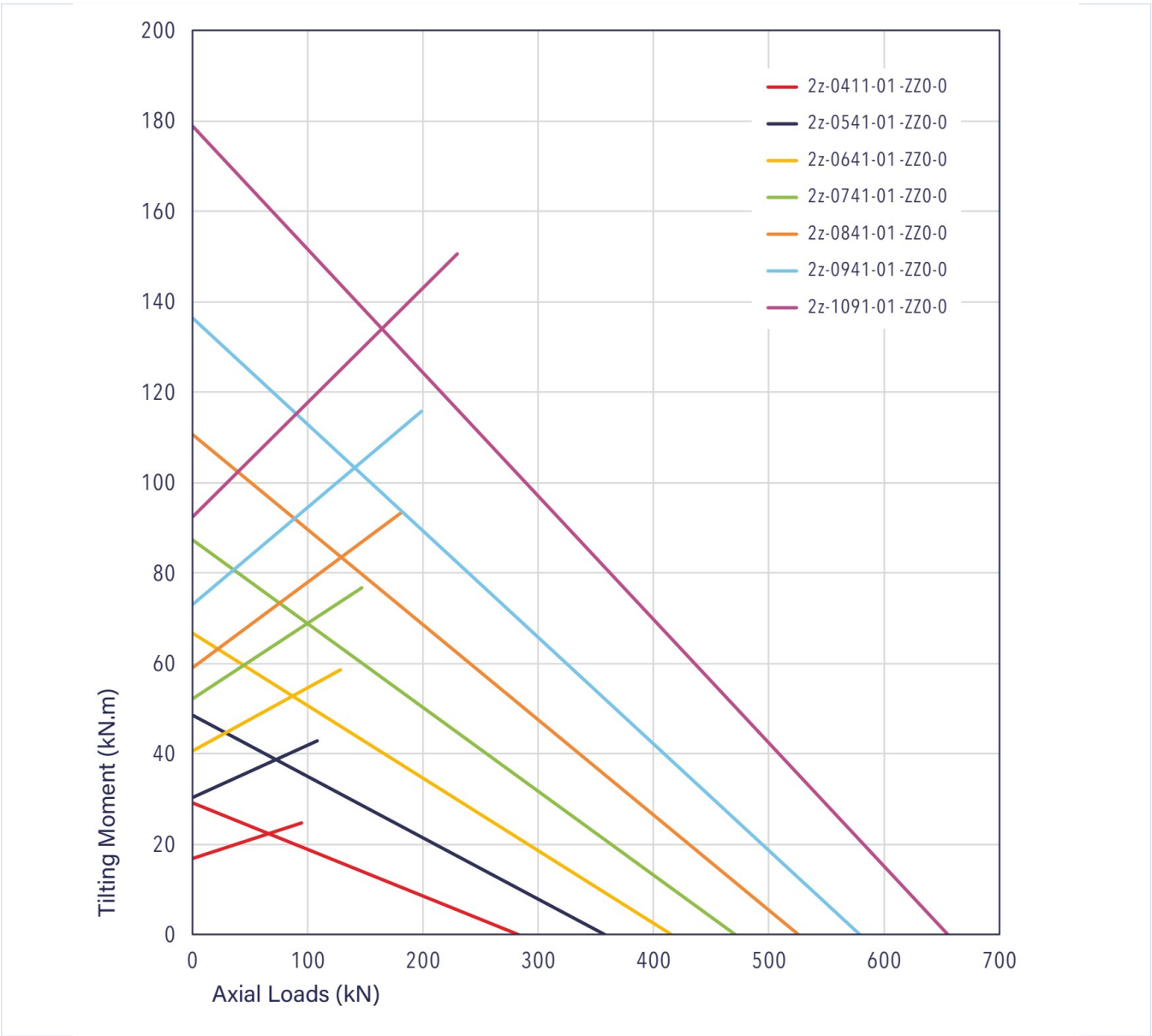
Complete Product Data

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	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	93
Printed page	93
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-093-curve.webp SHA-256: 713fcb3c1856f1b74646f077a9f245fc319be4ea1dd085d54dc2cc7e2d6fd779
Outline Drawing	rollix-page-093-drawing.webp SHA-256: ab2db7743fc8f7036a400c9730945285a043c4536041ce5fd5e1e2ffd3d8c397

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-093-curve.webp | SHA-256: 713fcb3c1856f1b74646f077a9f245fc319be4ea1dd085d54dc2cc7e2d6fd779

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 SNF4GICTMVUOJG5QEEPJJ2KUTK	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 93 Printed page 93
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/23-0541-01/>

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