Factory-Verified Replacement

MERYDOM 21-0641-01

Certified for interchange with ROLLIX 21-0641-01. 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

21-0641-01

REFERENCE

ROLLIX 21-0641-01

SERIES

21 Series

STRUCTURE

Cuscinetto a sfere di serie leggera

OVERALL OD

742 mm

OVERALL ID

534 mm

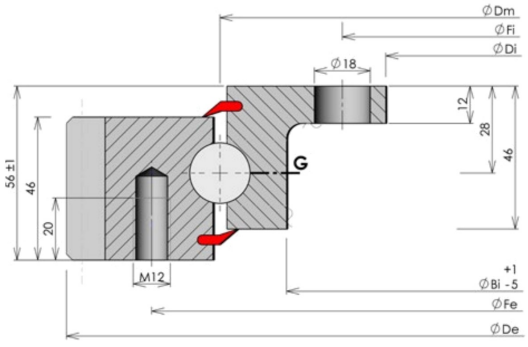
OVERALL HEIGHT

56 mm

GEAR

Dentatura esterna

Published Technical Drawing



rollix-page-091-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	21-0641-01
Certified interchangeable with	ROLLIX 21-0641-01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	D27ARX7RIVIJOIZ25KTNCIKHHP
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	21 Series
Reference model	21-0641-01
Bearing structure	Cuscinetto a sfere di serie leggera
Gear arrangement	Dentatura esterna
DIMENSION	
Overall height (HT)	56 mm
Overall outside diameter (Dia De)	742 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)	534 mm
Inner ring height (Hi)	46 mm
Assembly weight (Weight)	51 kg
MOUNTING	
Outer ring hole type (External ring hole type)	Bd
Outer ring bolt circle (Dia Fe)	685 mm
Outer ring mounting-hole count (Ne)	16
Outer ring mounting-hole specification (Dhe)	M12 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	562 mm
Inner ring mounting-hole count (Ni)	16
Inner ring mounting-hole specification (Dhi)	18 mm
GEAR	
Gear module (Module)	6 mm
Gear tooth count (Z)	122
Gear face width (W)	46 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	41 kN
MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I

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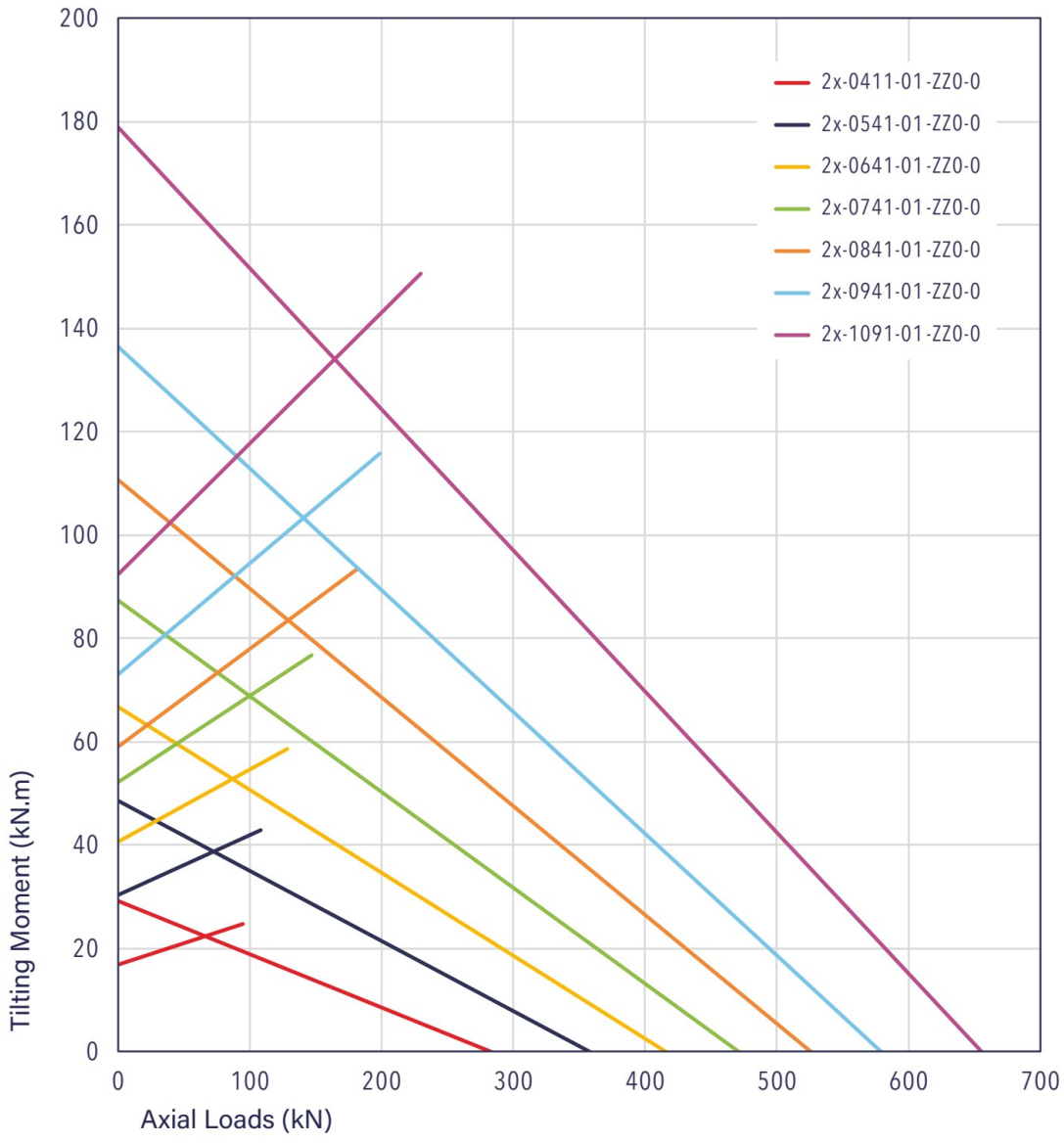
MISCELLANEOUS (CONTINUED)	
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Unhardened	41 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	16 holes - External ring hole type Bd; Dhe M12 mm
Inner ring mounting	16 holes - Inner ring hole type Th; Dhi 18 mm
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	122
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

D27ARX7RIVIJOIZ25KTNCIKHHP

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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/rollix/21-0641-01/