

Factory-Verified Replacement

MERYDOM 230.20.0400.503

Certified for interchange with Rothe Erde 230.20.0400.503. 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

230.20.0400.503

REFERENCE

Rothe Erde 230.20.0400.503

SERIES

23 Series

STRUCTURE

Cuscinetto profilato

OVERALL OD

518 mm

OVERALL ID

304 mm

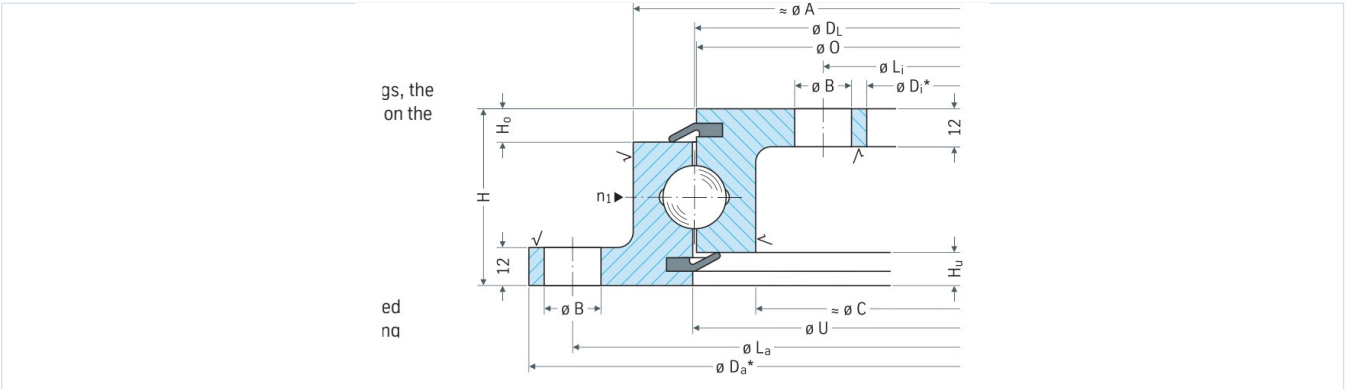
OVERALL HEIGHT

56 mm

GEAR

Senza dentatura

Published Technical Drawing



page-047-outline.png

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	230.20.0400.503
Certified interchangeable with	Rothe Erde 230.20.0400.503
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	P2JV3BEHPCA7KDVXYV54VMXAMZ
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	Rothe Erde
Reference series	23 Series
Reference model	230.20.0400.503
Bearing structure	Cuscinetto profilato
Gear arrangement	Senza dentatura
DIMENSION	
Raceway diameter (DL)	414 mm
Overall outside diameter (Da)	518 mm
Overall inside diameter (Di)	304 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 height (H)	56 mm
Catalog diameter O (O)	412,5 mm
Catalog diameter U (U)	415,5 mm
Catalog diameter A (A)	453 mm
Catalog diameter C (C)	375 mm
Lower ring offset Hu (Hu)	10,5 mm
Upper ring offset Ho (Ho)	10,5 mm
Assembly weight (Weight)	23 kg
Axial bearing play (Y_axial)	0,5 mm
Radial bearing play (Y_radial)	0,5 mm
MOUNTING	
Outer ring bolt circle (La)	490 mm
Outer ring mounting-hole count (na)	16
Outer ring mounting-hole diameter (B_outer)	18 mm
Inner ring bolt circle (Li)	332 mm
Inner ring mounting-hole count (ni)	24
Inner ring mounting-hole diameter (B_inner)	18 mm
MISCELLANEOUS	
Grease nipple count (n1)	4
MOUNTING INTERFACES	

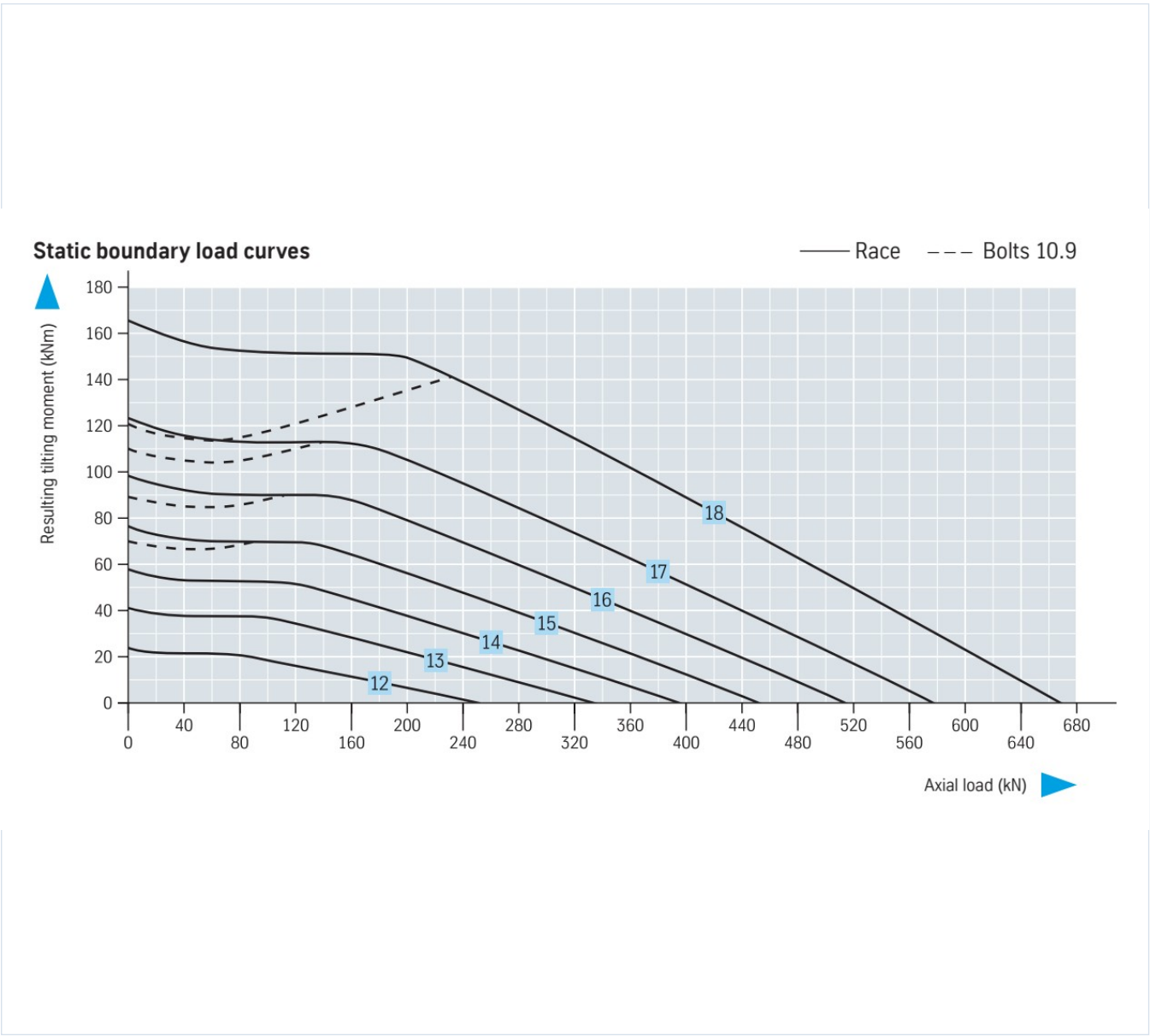
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

MOUNTING INTERFACES (CONTINUED)	
Outer ring mounting	16 holes - B_outer 18
Inner ring mounting	24 holes - B_inner 18
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	47
Printed page	88-89
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-047-load-curves.png SHA-256: 7ce59d287fa9aa8d3c54f5ab4a2b17d39e93159962cfac9362dbe7700c e00bc1
Outline Drawing	page-047-outline.png SHA-256: c9334ba4bd461c3b6a8756858d1a82ee0603e9899bea601c20c5c0f206 4d8119

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.



page-047-load-curves.png | SHA-256: 7ce59d287fa9aa8d3c54f5ab4a2b17d39e93159962cfac9362dbe7700ce00bc1

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**P2JV3BEHPCA7KDVXYV54VMXAMZ****SOURCE DOCUMENT****ROTHE_ERDE_CATALOG_2023****SOURCE FILE****Rothe Erde.pdf****SOURCE LOCATION****PDF page 47 | Printed page 88-89****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 17705201170Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/rothe-erde/230-20-0400-503/>

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