

Factory-Verified Replacement

MERYDOM 230.20.0800.013

Certified for interchange with Rothe Erde 230.20.0800.013. 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

230.20.0800.013

REFERENCE

Rothe Erde 230.20.0800.013

SERIES

23 Series

STRUCTURE

Profile bearing

OVERALL OD

948 mm

OVERALL ID

734 mm

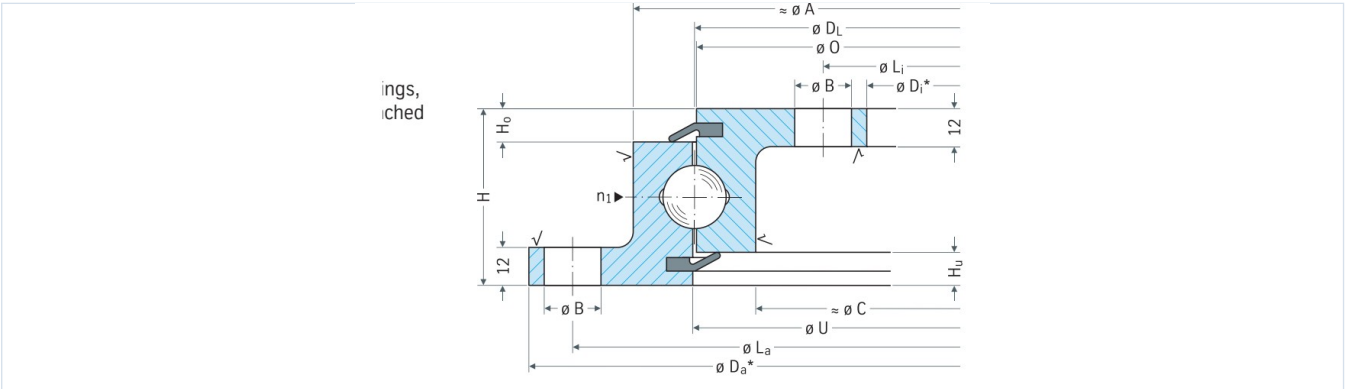
OVERALL HEIGHT

56 mm

GEAR

Ungeared

Published Technical Drawing



page-044-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	230.20.0800.013
Certified interchangeable with	Rothe Erde 230.20.0800.013
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SN4JJOTGXKA7YIRL6FWQ4OZZS7
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	230.20.0800.013
Bearing structure	Profile bearing
Gear arrangement	Ungeared
DIMENSION	
Raceway diameter (DL)	844 mm
Overall outside diameter (Da)	948 mm
Overall inside diameter (Di)	734 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)	842.5 mm
Catalog diameter U (U)	845.5 mm
Catalog diameter A (A)	883 mm
Catalog diameter C (C)	805 mm
Lower ring offset Hu (Hu)	10.5 mm
Upper ring offset Ho (Ho)	10.5 mm
Assembly weight (Weight)	47.8 kg
Axial bearing play (Y_axial)	0,5 mm
Radial bearing play (Y_radial)	0,5 mm
MOUNTING	
Outer ring bolt circle (La)	920 mm
Outer ring mounting-hole count (na)	14
Outer ring mounting-hole diameter (B_outer)	18 mm
Inner ring bolt circle (Li)	762 mm
Inner ring mounting-hole count (ni)	18
Inner ring mounting-hole diameter (B_inner)	18 mm
MISCELLANEOUS	
Grease nipple count (n1)	4
MOUNTING INTERFACES	

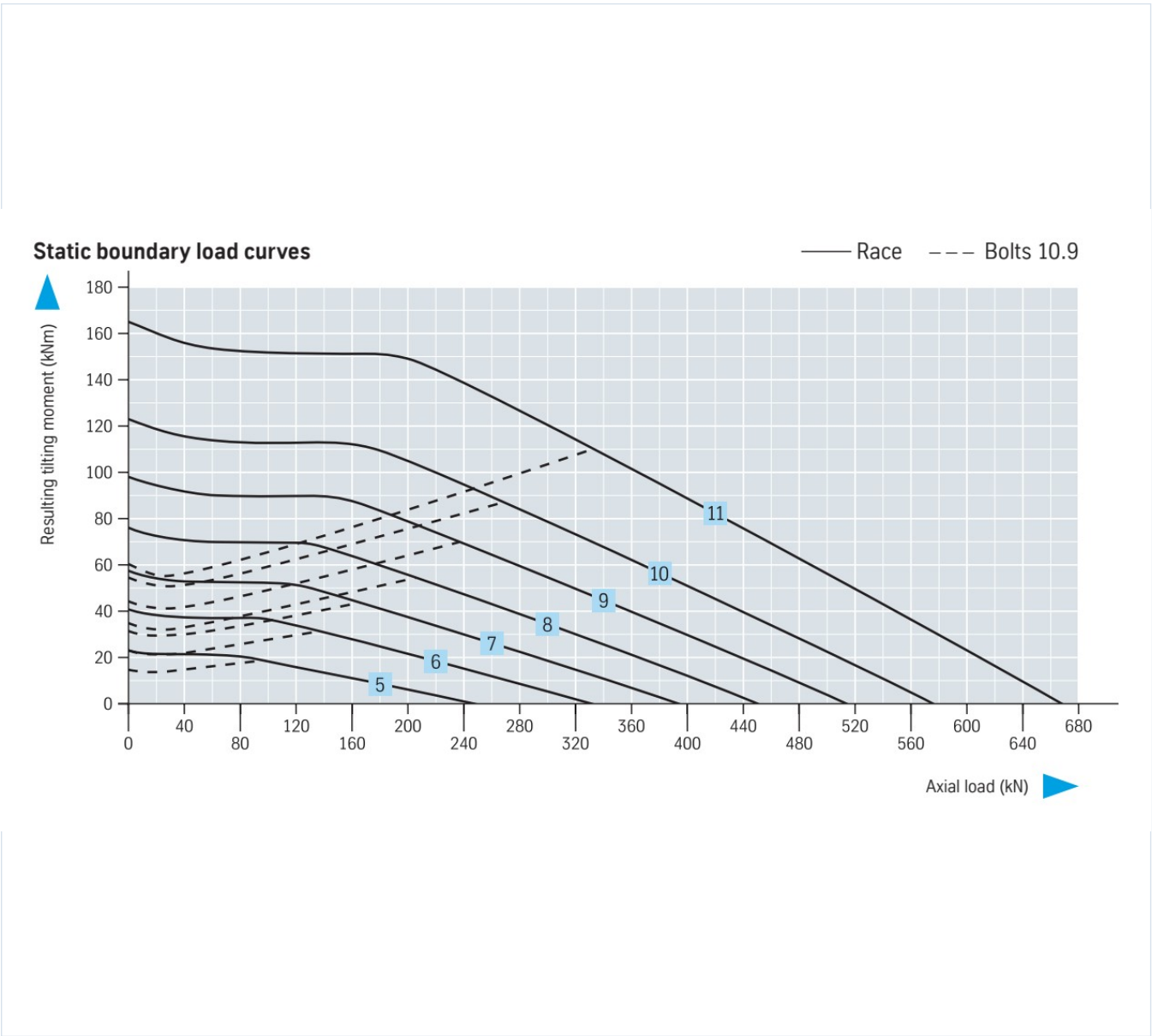
Complete Product Data

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	14 holes - B_outer 18
Inner ring mounting	18 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	44
Printed page	82-83
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-044-load-curves.png SHA-256: 5613537acc23e6294155a4f0125be8835c9d10d2558af559f4d475ed712af2d1
Outline Drawing	page-044-outline.png SHA-256: a01d98353bd3b5c5a38ac01e8e52f60dc121d6322402c1afe46459a07c0af4dc

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-044-load-curves.png | SHA-256: 5613537acc23e6294155a4f0125be8835c9d10d2558af559f4d475ed712af2d1

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 SN4JJOTGXKA7YIRL6FWQ4OZZS7	SOURCE DOCUMENT ROTHE_ERDE_CATALOG_2023
SOURCE FILE Rothe Erde.pdf	SOURCE LOCATION PDF page 44 Printed page 82-83
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/rothe-erde/230-20-0800-013/>

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