

Factory-Verified Replacement

MERYDOM 230.21.1075.013

Certified for interchange with Rothe Erde 230.21.1075.013. 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

230.21.1075.013

REFERENCE

Rothe Erde 230.21.1075.013

SERIES

23 Series

STRUCTURE

Profile bearing

OVERALL OD

1,197 mm

OVERALL ID

985 mm

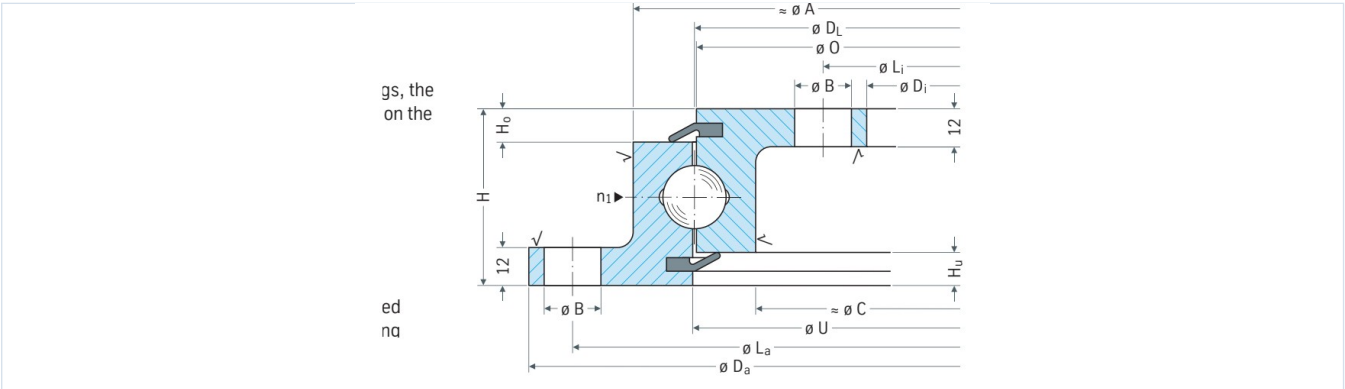
OVERALL HEIGHT

56 mm

GEAR

Ungeared

Published Technical Drawing



page-050-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	230.21.1075.013
Certified interchangeable with	Rothe Erde 230.21.1075.013
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JXU7G6TPV5BJ3MGFNMOXBGPOB6
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	230.21.1075.013
Bearing structure	Profile bearing
Gear arrangement	Ungeared
DIMENSION	
Raceway diameter (DL)	1,094 mm
Overall outside diameter (Da)	1197 - 0,17 mm
Overall inside diameter (Di)	985 + 0,14 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	56 mm
Catalog diameter O (O)	1,092.5 mm
Catalog diameter U (U)	1,095.5 mm
Catalog diameter A (A)	1,133 mm
Catalog diameter C (C)	1,055 mm
Lower ring offset Hu (Hu)	10.5 mm
Upper ring offset Ho (Ho)	10.5 mm
Assembly weight (Weight)	61.9 kg
Combined axial/radial bearing play range (Y_axial_radial)	0 to 0,06 mm
MOUNTING	
Outer ring bolt circle (La)	1,170 mm
Outer ring mounting-hole count (na)	16
Outer ring mounting-hole diameter (B_outer)	18 mm
Inner ring bolt circle (Li)	1,012 mm
Inner ring mounting-hole count (ni)	20
Inner ring mounting-hole diameter (B_inner)	18 mm
MISCELLANEOUS	
Grease nipple count (n1)	4
MOUNTING INTERFACES	
Outer ring mounting	16 holes - B_outer 18

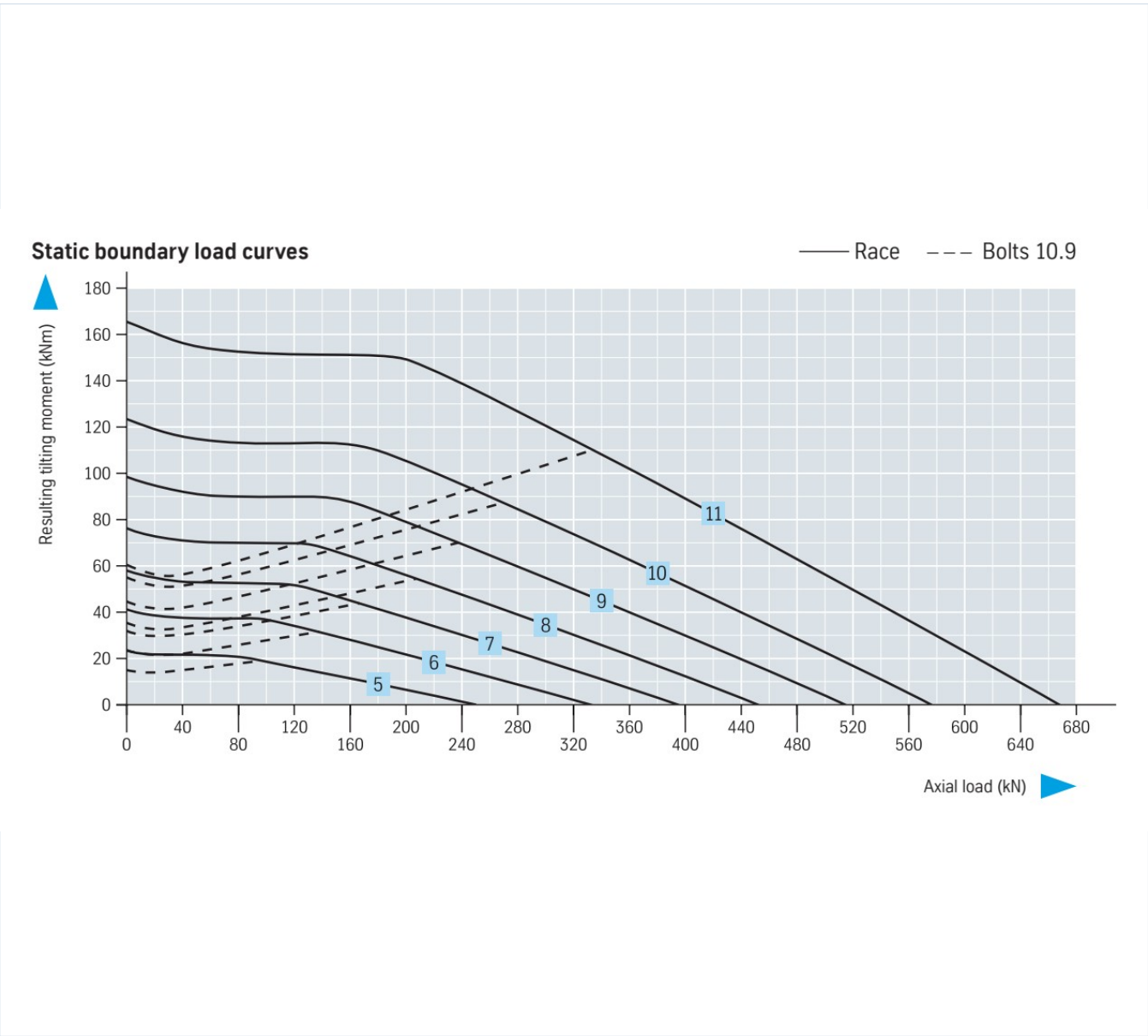
Complete Product Data

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MOUNTING INTERFACES (CONTINUED)	
Inner ring mounting	20 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	50
Printed page	94-95
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-050-load-curves.png SHA-256: 7237a9b4ab13d8013bcb7723d750e6b73aeb0a74e0fa6f6740a900fcb456b114
Outline Drawing	page-050-outline.png SHA-256: e53bbd2e0c76cfee43d66c13fe2f04c6cd782eba1bbf16821aeb90c8162c71a8

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.



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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 JXU7G6TPV5BJ3MGFNMOXBGPOB6	SOURCE DOCUMENT ROTHE_ERDE_CATALOG_2023
SOURCE FILE Rothe Erde.pdf	SOURCE LOCATION PDF page 50 Printed page 94-95
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 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/rothe-erde/230-21-1075-013/>

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