

MERYDOM 230.21.0775.013

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

REFERENCE

Rothe Erde 230.21.0775.013

STRUCTURE

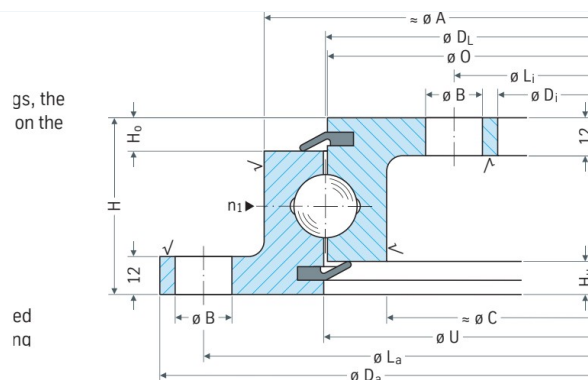
Profile bearing

OVERALL ID
635 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	230.21.0775.013
Certified interchangeable with	Rothe Erde 230.21.0775.013
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SGBSQ6MY2S7PPKQGGZ7JZNSUM2
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	230.21.0775.013
Bearing structure	Profile bearing
Gear arrangement	Ungeared
DIMENSION	
Raceway diameter (DL)	744 mm
Overall outside diameter (Da)	847 - 0,14 mm
Overall inside diameter (Di)	635 + 0,13 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	56 mm
Catalog diameter O (O)	742.5 mm
Catalog diameter U (U)	745.5 mm
Catalog diameter A (A)	783 mm
Catalog diameter C (C)	705 mm
Lower ring offset Hu (Hu)	10.5 mm
Upper ring offset Ho (Ho)	10.5 mm
Assembly weight (Weight)	42.8 kg
Combined axial/radial bearing play range (Y_axial_radial)	0 to 0,04 mm
MOUNTING	
Outer ring bolt circle (La)	820 mm
Outer ring mounting-hole count (na)	12
Outer ring mounting-hole diameter (B_outer)	18 mm
Inner ring bolt circle (Li)	662 mm
Inner ring mounting-hole count (ni)	16
Inner ring mounting-hole diameter (B_inner)	18 mm
MISCELLANEOUS	
Grease nipple count (n1)	4
MOUNTING INTERFACES	
Outer ring mounting	12 holes - B_outer 18

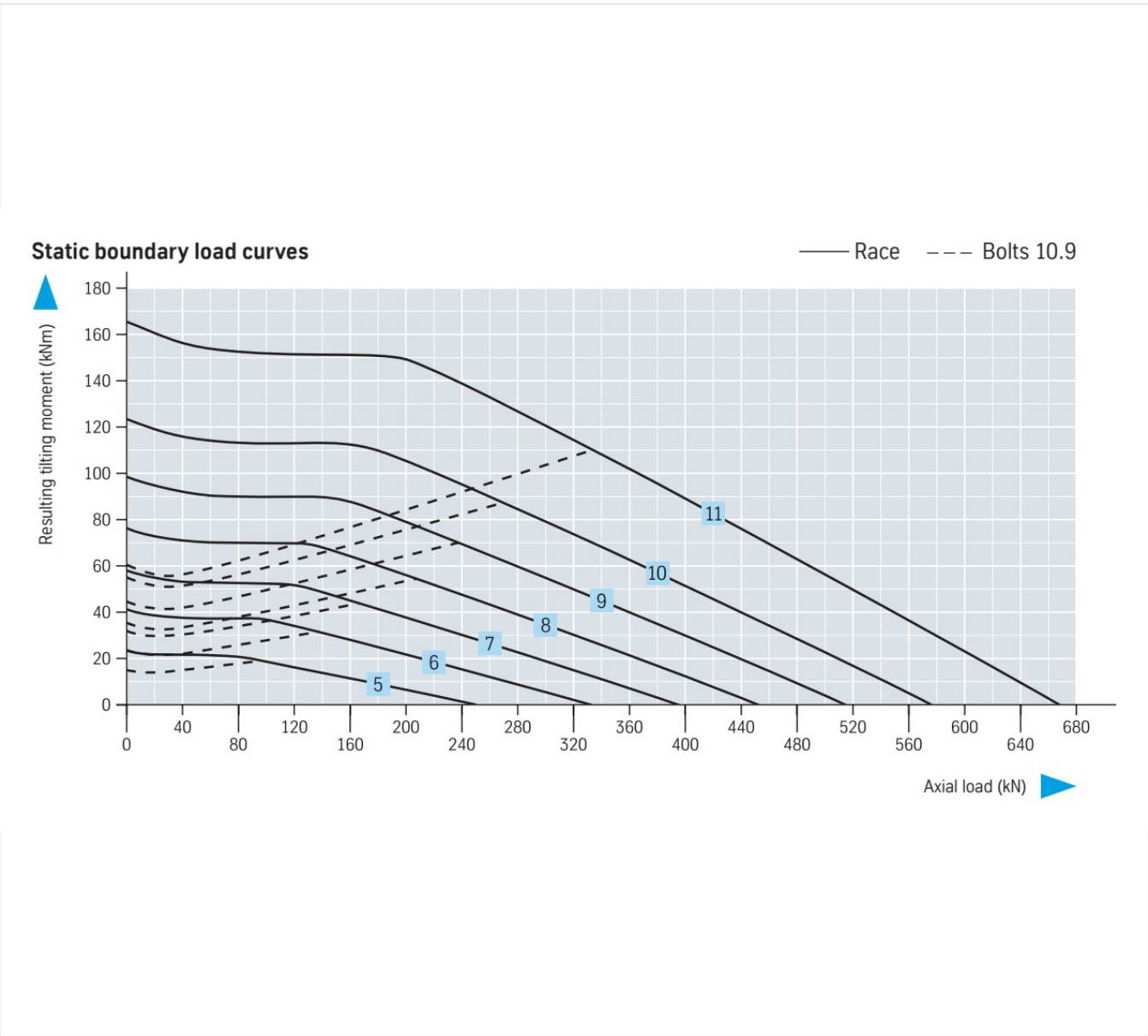
Complete Product Data

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MOUNTING INTERFACES (CONTINUED)	
Inner ring mounting	16 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.



page-050-load-curves.png | SHA-256: 7237a9b4ab13d8013bcb7723d750e6b73aeb0a74e0fa6f6740a900fcb456b114

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**SGBSQ6MY2S7PPKQGGZ7JZNSUM2****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 17705201170Product page: <https://rotnex.com/products/slewing-bearing-replacements/rothe-erde/230-21-0775-013/>

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