Factory-Verified Replacement

MERYDOM 250.14.0400.013

Certified for interchange with Rothe Erde 250.14.0400.013. 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
250.14.0400.013

REFERENCE
Rothe Erde 250.14.0400.013

SERIES
25 Series

STRUCTURE
Cuscinetto profilato

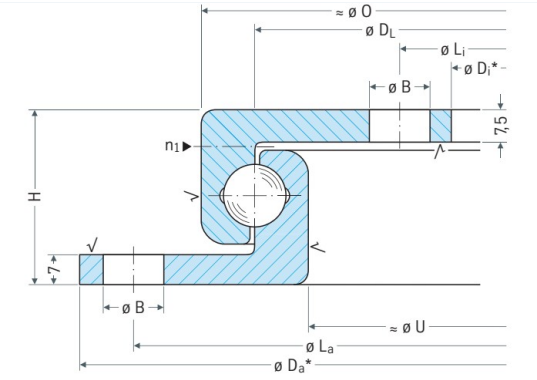
OVERALL OD
501 mm

OVERALL ID
333 mm

OVERALL HEIGHT
40 mm

GEAR
Senza dentatura

Published Technical Drawing



page-042-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	250.14.0400.013
Certified interchangeable with	Rothe Erde 250.14.0400.013
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	DZV3NJEX5NJW5PD7T445HCX3IJ
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	25 Series
Reference model	250.14.0400.013
Bearing structure	Cuscinetto profilato
Gear arrangement	Senza dentatura
DIMENSION	
Raceway diameter (DL)	421 mm
Overall outside diameter (Da)	501 mm
Overall inside diameter (Di)	333 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)	40 mm
Catalog diameter O (O)	446 mm
Catalog diameter U (U)	396 mm
Assembly weight (Weight)	13,1 kg
Axial bearing play (Y_axial)	0,5 mm
Radial bearing play (Y_radial)	0,5 mm
MOUNTING	
Outer ring bolt circle (La)	480 mm
Outer ring mounting-hole count (na)	8
Outer ring mounting-hole diameter (B_outer)	14 mm
Inner ring bolt circle (Li)	360 mm
Inner ring mounting-hole count (ni)	8
Inner ring mounting-hole diameter (B_inner)	14 mm
MISCELLANEOUS	
Grease nipple count (n1)	4
MOUNTING INTERFACES	
Outer ring mounting	8 holes - B_outer 14
Inner ring mounting	8 holes - B_inner 14
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing

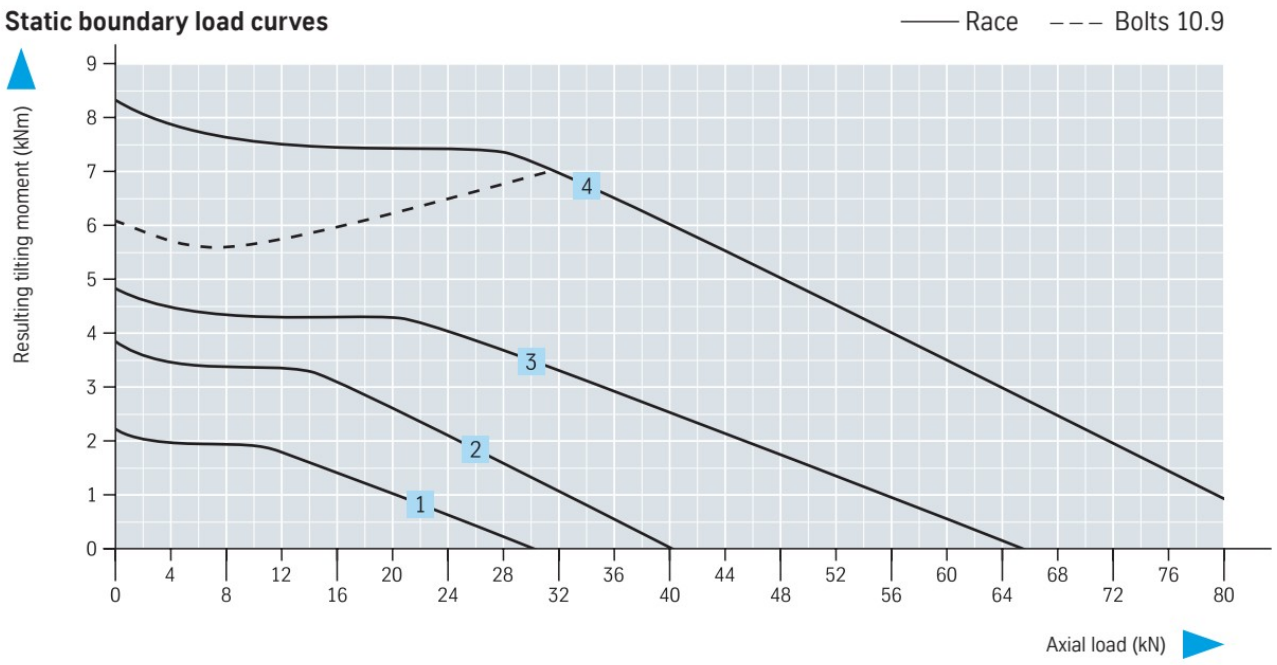
Complete Product Data

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

SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	42
Printed page	78-79
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-042-load-curves.png | SHA-256: 0a82ec2c9fe93be667762b057a5e0d5c5cdc3684a2ac0c32b081f47aeb38ab5f
Outline Drawing	page-042-outline.png | SHA-256: 02c7a8bb3d4b04a994e1ebb9e249c91f6f0b772040bb3b071c7e1b631c3b2755

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-042-load-curves.png | SHA-256: 0a82ec2c9fe93be667762b057a5e0d5c5cdc3684a2ac0c32b081f47aeb38ab5f

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

DZV3NJEX5NJW5PD7T445HCX3IJ

SOURCE DOCUMENT

ROTHE_ERDE_CATALOG_2023

SOURCE FILE

Rothe Erde.pdf

SOURCE LOCATION

PDF page 42 | Printed page 78-79

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/rothe-erde/250-14-0400-013/