Factory-Verified Replacement

MERYDOM 061.25.0980.108.21.1504

Certified for interchange with Rothe Erde 061.25.0980.108.21.1504. 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

061.25.0980.108.21.1504

REFERENCE

Rothe Erde 061.25.0980.108.21.1504

SERIES

06 Series

STRUCTURE

Esferas de contato de quatro pontos de uma carreira

OVERALL OD

1,078.4 mm

OVERALL ID

886 mm

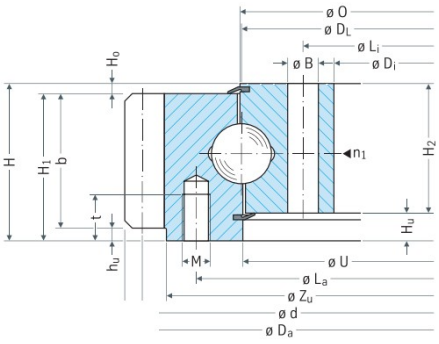
OVERALL HEIGHT

79 mm

GEAR

Engrenagem externa

Published Technical Drawing



page-073-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	061.25.0980.108.21.1504
Certified interchangeable with	Rothe Erde 061.25.0980.108.21.1504
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	3PFUQIOFWC6P2NNIXX7L5UM3ZR
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	06 Series
Reference model	061.25.0980.108.21.1504
Bearing structure	Esferas de contato de quatro pontos de uma carreira
Gear arrangement	Engrenagem externa
DIMENSION	
Raceway diameter (DL)	980 mm
Overall outside diameter (Da)	1.078,4 mm
Overall inside diameter (Di)	886 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	79 mm
Catalog diameter O (O)	981 mm
Catalog diameter U (U)	979 mm
Ring height H1 (H1)	67 mm
Ring height H2 (H2)	58 mm
Lower ring offset Hu (Hu)	21 mm
Upper ring offset Ho (Ho)	12 mm
Assembly weight (Weight)	123 kg
MOUNTING	
Outer ring bolt circle (La)	1.015 mm
Inner ring bolt circle (Li)	922 mm
Common mounting-hole count (n)	30
Common mounting-hole diameter (B)	17,5 mm
Metric bolt nominal size (M)	16 mm
Thread depth (t)	24 mm
GEAR	
Gear pitch diameter (d)	1.064 mm
Gear module (m)	8 mm
Gear tooth count (z)	133
Profile shift product x m (x*m)	0 mm

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GEAR (CONTINUED)	
Tip-height modification product k m (k*m)	-0,8 mm
Minimum gear face width (bmin)	62 mm
Root-neck diameter Zu (Zu)	1.042 mm
Root-neck height hu (hu)	5 mm
PERFORMANCE	
Permitted circumferential force, normal (X1)	39,68 kN
Permitted circumferential force, maximum (X2)	79,36 kN
MISCELLANEOUS	
Grease nipple count (n1)	5
PERFORMANCE RATINGS	
Catalog Reference X1	39,68 kN | Not simultaneous with other listed dynamic ratings
Catalog Reference X2	79,36 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	30 holes - M 16
Inner ring mounting	30 holes - B 17,5
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	133
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023

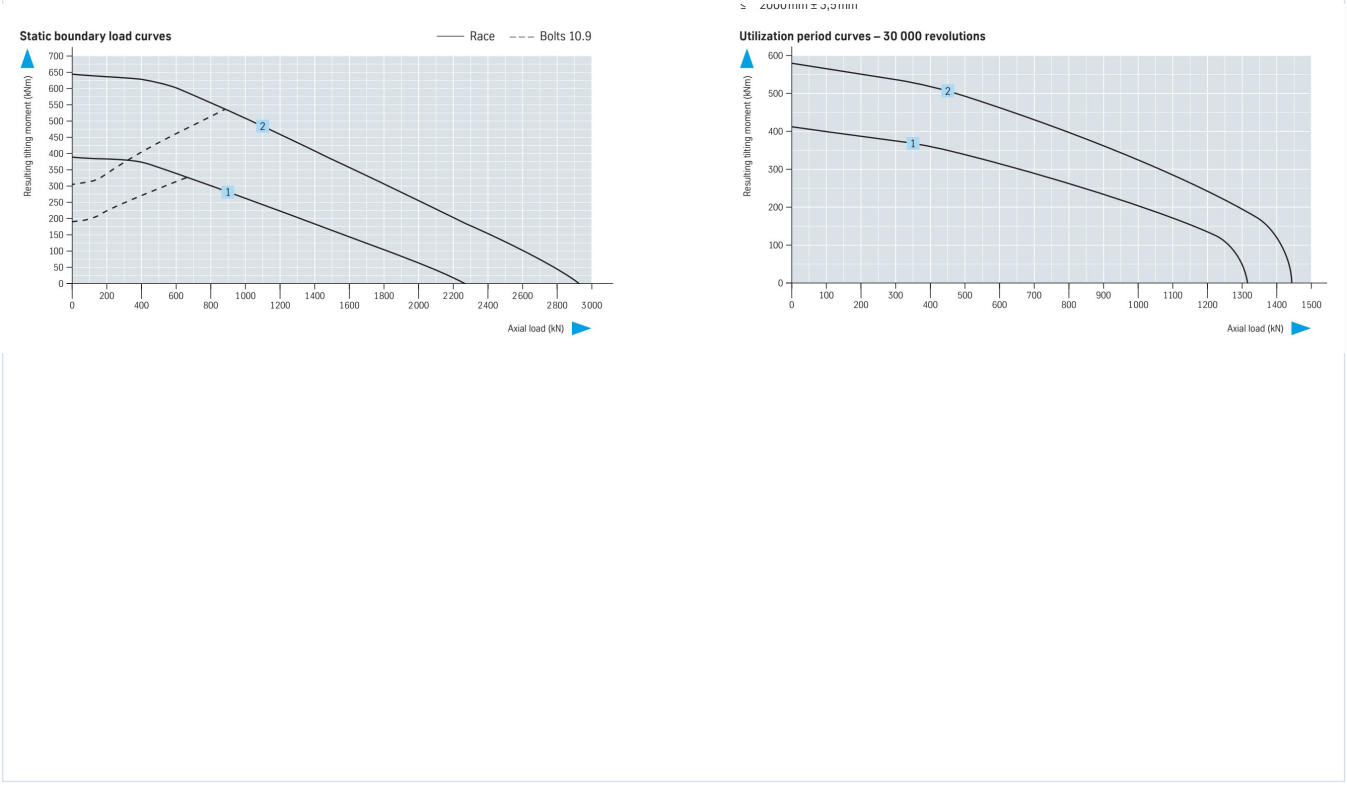
Complete Product Data

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 (CONTINUED)	
Source file	Rothe Erde.pdf
PDF page	73
Printed page	140-141
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-073-load-curves.png | SHA-256: 2e45a068a35c51f7583aa6ba8e8f686da8af371088b993c771b3076eb767f67e
Outline Drawing	page-073-outline.png | SHA-256: 27fb32158221524d102d592dde41c10671cb13e49bce45280b36c25cb0ea4333

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-073-load-curves.png | SHA-256: 2e45a068a35c51f7583aa6ba8e8f686da8af371088b993c771b3076eb767f67e

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

3PFUQIOFWC6P2NNIXX7L5UM3ZR

SOURCE DOCUMENT

ROTHE_ERDE_CATALOG_2023

SOURCE FILE

Rothe Erde.pdf

SOURCE LOCATION

PDF page 73 | Printed page 140-141

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/pt/produtos/rolamentos-de-giro-de-substituicao/rothe-erde/061-25-0980-108-21-1504/

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