Factory-Verified Replacement

MERYDOM 061.25.0980.891.21.1503

Certified for interchange with Rothe Erde 061.25.0980.891.21.1503. 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

061.25.0980.891.21.1503

REFERENCE

Rothe Erde 061.25.0980.891.21.1503

SERIES

06 Series

STRUCTURE

Esferas de contato de quatro pontos de uma carreira

OVERALL OD

1,110.4 mm

OVERALL ID

887 mm

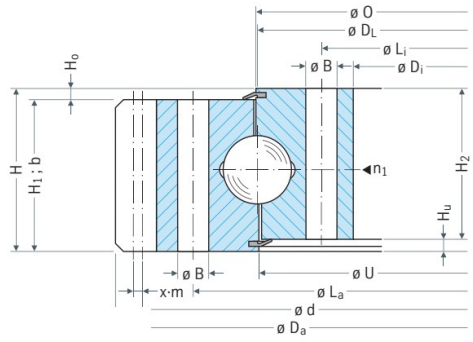
OVERALL HEIGHT

63 mm

GEAR

Engrenagem externa

Published Technical Drawing



page-075-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	061.25.0980.891.21.1503
Certified interchangeable with	Rothe Erde 061.25.0980.891.21.1503
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	N6QVYEAK4X7AJVZLZ3VXB5HF2P
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	061.25.0980.891.21.1503
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)	1.110,4 mm
Overall inside diameter (Di)	887 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	63 mm
Catalog diameter O (O)	981 mm
Catalog diameter U (U)	979 mm
Ring height H1 (H1)	54 mm
Ring height H2 (H2)	54 mm
Lower ring offset Hu (Hu)	9 mm
Upper ring offset Ho (Ho)	9 mm
Assembly weight (Weight)	124 kg
MOUNTING	
Outer ring bolt circle (La)	1.039 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
GEAR	
Gear pitch diameter (d)	1.088 mm
Gear module (m)	8 mm
Gear tooth count (z)	136
Profile shift product x m (x*m)	4 mm
Tip-height modification product k m (k*m)	-0,8 mm

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GEAR (CONTINUED)	
Minimum gear face width (bmin)	53 mm
PERFORMANCE	
Permitted circumferential force, normal (X1)	40,97 kN
Permitted circumferential force, maximum (X2)	81,93 kN
MISCELLANEOUS	
Grease nipple count (n1)	5
PERFORMANCE RATINGS	
Catalog Reference X1	40,97 kN | Not simultaneous with other listed dynamic ratings
Catalog Reference X2	81,93 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	136
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	75
Printed page	144-145

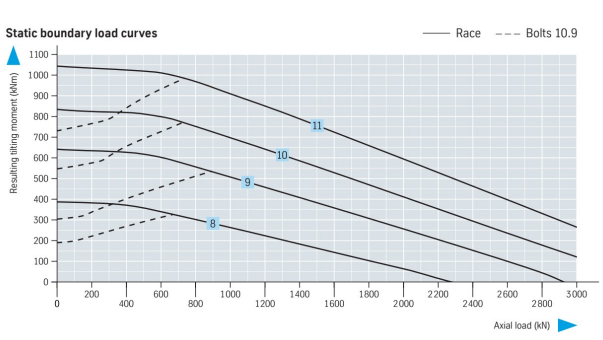
Complete Product Data

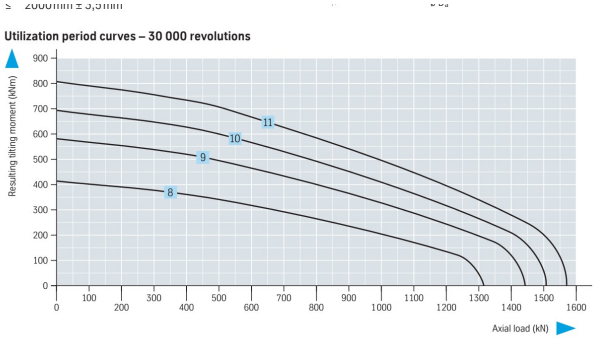
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY (CONTINUED)	
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-075-load-curves.png | SHA-256: d14005686bb4c20771a0690f958bc35821cff30ef8f2885b792dd5642bbc7e21
Outline Drawing	page-075-outline.png | SHA-256: b0f781850d2bd40b880c1f0862ab92c39ef72ba9c414eec87c10b6cb876b4512

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-075-load-curves.png | SHA-256: d14005686bb4c20771a0690f958bc35821cff30ef8f2885b792dd5642bbc7e21

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

N6QVYEAK4X7AJVZLZ3VXB5HF2P

SOURCE DOCUMENT

ROTHE_ERDE_CATALOG_2023

SOURCE FILE

Rothe Erde.pdf

SOURCE LOCATION

PDF page 75 | Printed page 144-145

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/pt/produtos/rolamentos-de-giro-de-substituicao/rothe-erde/061-25-0980-891-21-1503/

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