Factory-Verified Replacement

MERYDOM 061.25.1155.500.11.1503

Certified for interchange with Rothe Erde 061.25.1155.500.11.1503. 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

061.25.1155.500.11.1503

REFERENCE

Rothe Erde 061.25.1155.500.11.1503

SERIES

06 Series

STRUCTURE

Esferas de contato de quatro pontos de uma carreira

OVERALL OD

1,298 mm

OVERALL ID

1,055 mm

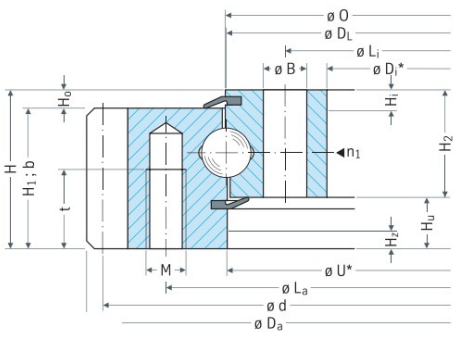
OVERALL HEIGHT

80 mm

GEAR

Engrenagem externa

Published Technical Drawing



page-068-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	061.25.1155.500.11.1503
Certified interchangeable with	Rothe Erde 061.25.1155.500.11.1503
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	AACSZ5LSWZNCYNMRH7WKHMW2VK
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	061.25.1155.500.11.1503
Bearing structure	Esferas de contato de quatro pontos de uma carreira
Gear arrangement	Engrenagem externa
DIMENSION	
Raceway diameter (DL)	1.155 mm
Overall outside diameter (Da)	1.298 mm
Overall inside diameter (Di)	1.055 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)	80 mm
Catalog diameter O (O)	1.156 mm
Catalog diameter U (U)	1.154 mm
Ring height H1 (H1)	71 mm
Ring height H2 (H2)	54 mm
Lower ring offset Hu (Hu)	26 mm
Upper ring offset Ho (Ho)	9 mm
Centering spigot diameter Da* (Da_star)	1057 + 0,26 mm
Centering spigot diameter U* (U_star)	1155 + 0,26 mm
Assembly weight (Weight)	190 kg
Axial bearing play (Y_axial)	0,30 mm
Radial bearing play (Y_radial)	0,25 mm
MOUNTING	
Outer ring bolt circle (La)	1.216 mm
Inner ring bolt circle (Li)	1.095 mm
Common mounting-hole count (n)	36
Common mounting-hole diameter (B)	22 mm
Metric bolt nominal size (M)	20 mm
Thread depth (t)	40 mm
GEAR	

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.

GEAR (CONTINUED)	
Gear pitch diameter (d)	1.280 mm
Gear module (m)	10 mm
Gear tooth count (z)	128
Tip-height modification product k m (k*m)	-1 mm
Minimum gear face width (bmin)	70 mm
PERFORMANCE	
Permitted circumferential force, normal (X1)	36,4 kN
Permitted circumferential force, maximum (X2)	72,8 kN
MISCELLANEOUS	
Grease nipple count (n1)	6
PERFORMANCE RATINGS	
Catalog Reference X1	36,4 kN | Not simultaneous with other listed dynamic ratings
Catalog Reference X2	72,8 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - M 20
Inner ring mounting	36 holes - B 22
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	128

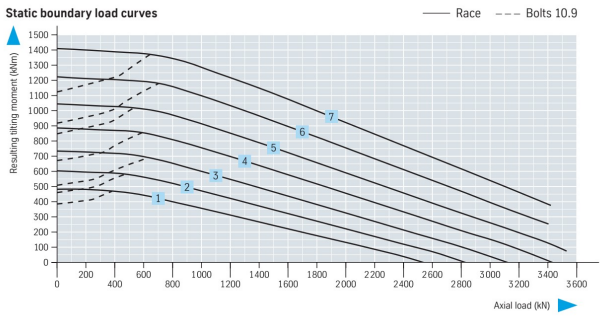
Complete Product Data

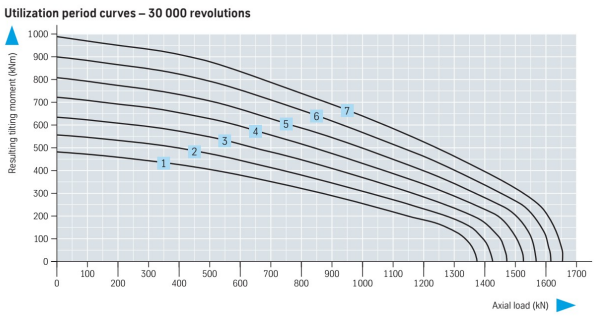
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	68
Printed page	130-131
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-068-load-curves.png | SHA-256: 9c2ef91cbb44fc6306dabdc808a99a5e0a4cfc063e3382be3ea2f590f15d455c
Outline Drawing	page-068-outline.png | SHA-256: d821f14e954bd04a79f290747e4483e18896087acaf01b679bce713172e1b941

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-068-load-curves.png | SHA-256: 9c2ef91cbb44fc6306dabdc808a99a5e0a4cfc063e3382be3ea2f590f15d455c

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

AACSZ5LSWZNCYNMRH7WKHMW2VK

SOURCE DOCUMENT

ROTHE_ERDE_CATALOG_2023

SOURCE FILE

Rothe Erde.pdf

SOURCE LOCATION

PDF page 68 | Printed page 130-131

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/061-25-1155-500-11-1503/

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.