

Factory-Verified Replacement

MERYDOM 060.25.1255.500.11.1503

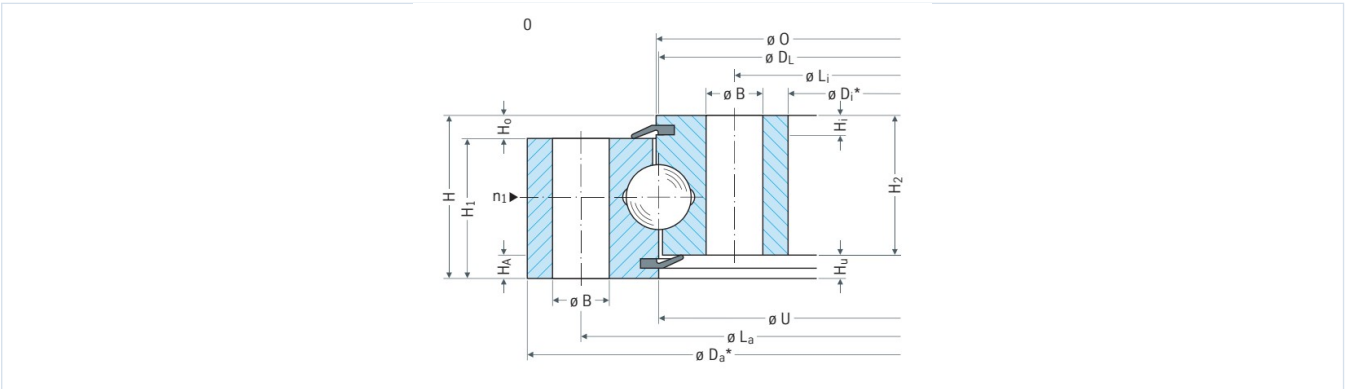
Certified for interchange with Rothe Erde 060.25.1255.500.11.1503. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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	REFERENCE
060.25.1255.500.11.1503	Rothe Erde 060.25.1255.500.11.1503
SERIES	STRUCTURE
06 Series	Single-row four-point contact ball
OVERALL OD	OVERALL ID
1,355 mm	1,155 mm
OVERALL HEIGHT	GEAR
63 mm	Ungeared

Published Technical Drawing



page-067-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	060.25.1255.500.11.1503
Certified interchangeable with	Rothe Erde 060.25.1255.500.11.1503
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	S52KLNMN5UHLW7HVMWR6C2TRXI
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	060.25.1255.500.11.1503
Bearing structure	Single-row four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Raceway diameter (DL)	1,255 mm
Overall outside diameter (Da)	1,355 mm
Overall inside diameter (Di)	1,155 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)	63 mm
Catalog diameter O (O)	1,256 mm
Catalog diameter U (U)	1,254 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
Centering spigot diameter Da* (Da_star)	1353 - 0,31 mm
Centering spigot diameter Di* (Di_star)	1157 + 0,26 mm
Assembly weight (Weight)	148 kg
Axial bearing play (Y_axial)	0,36 mm
Radial bearing play (Y_radial)	0,30 mm
MOUNTING	
Outer ring bolt circle (La)	1,315 mm
Inner ring bolt circle (Li)	1,195 mm
Common mounting-hole count (n)	42
Common mounting-hole diameter (B)	22 mm
Metric bolt nominal size (M)	20 mm
MISCELLANEOUS	
Grease nipple count (n1)	6

Complete Product Data

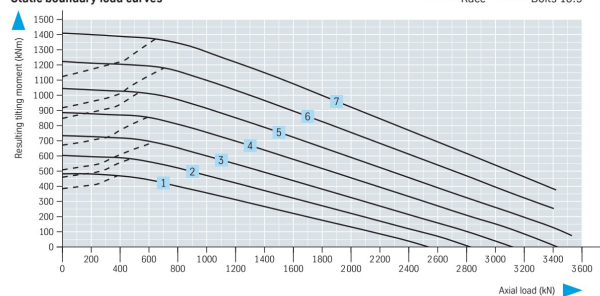
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MOUNTING INTERFACES	
Outer ring mounting	42 holes - B 22
Inner ring mounting	42 holes - M 20
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	ROTHERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	67
Printed page	128-129
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-067-load-curves.png SHA-256: 7a047e6916bf6b8baf2018daa9f6b48192fdbc99b883311991b1cd253f5045f7
Outline Drawing	page-067-outline.png SHA-256: 04b08556e4bc645464702800a9254a7ae3b29532449835d88b1a59c34cfb57e9

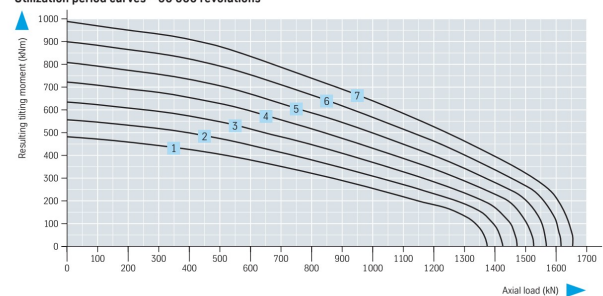
Published Load / Performance Chart

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.

Static boundary load curves



Utilization period curves – 30 000 revolutions



page-067-load-curves.png | SHA-256: 7a047e6916bf6b8baf2018daa9f6b48192fbd99b883311991b1cd253f5045f7

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 S52KLNMN5UHLW7HVMWR6C2TRXI	SOURCE DOCUMENT ROTHE_ERDE_CATALOG_2023
SOURCE FILE Rothe Erde.pdf	SOURCE LOCATION PDF page 67 Printed page 128-129
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/products/slewing-bearing-replacements/rothe-erde/060-25-1255-500-11-1503/>

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