Factory-Verified Replacement

MERYDOM 060.25.1455.500.11.1503

Certified for interchange with Rothe Erde 060.25.1455.500.11.1503. 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

060.25.1455.500.11.1503

REFERENCE

Rothe Erde 060.25.1455.500.11.1503

SERIES

06 Series

STRUCTURE

Single-row four-point contact ball

OVERALL OD

1,555 mm

OVERALL ID

1,355 mm

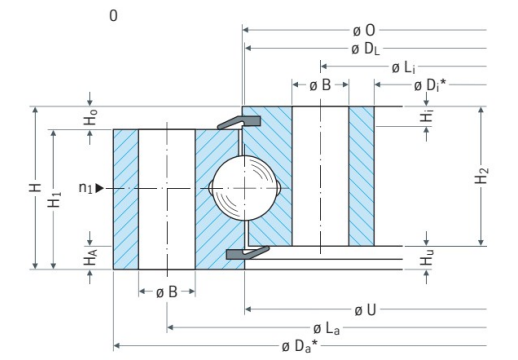
OVERALL HEIGHT

63 mm

GEAR

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	060.25.1455.500.11.1503
Certified interchangeable with	Rothe Erde 060.25.1455.500.11.1503
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	6SRZ5KSTXVSAQJQGXEQXBKVVPH
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	060.25.1455.500.11.1503
Bearing structure	Single-row four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Raceway diameter (DL)	1,455 mm
Overall outside diameter (Da)	1,555 mm
Overall inside diameter (Di)	1,355 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)	1,456 mm
Catalog diameter U (U)	1,454 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)	1553 - 0,31 mm
Centering spigot diameter Di* (Di_star)	1357 + 0,26 mm
Assembly weight (Weight)	171 kg
Axial bearing play (Y_axial)	0,36 mm
Radial bearing play (Y_radial)	0,30 mm
MOUNTING	
Outer ring bolt circle (La)	1,515 mm
Inner ring bolt circle (Li)	1,395 mm
Common mounting-hole count (n)	48
Common mounting-hole diameter (B)	22 mm
Metric bolt nominal size (M)	20 mm
MISCELLANEOUS	
Grease nipple count (n1)	6

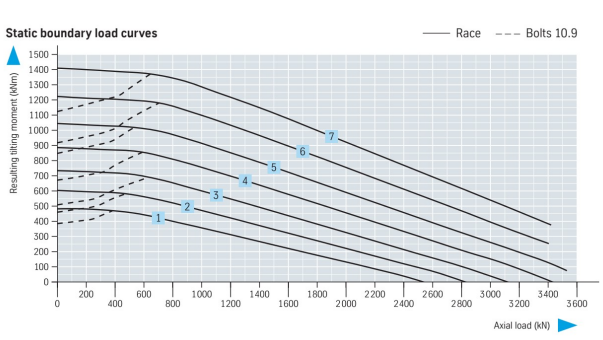
Complete Product Data

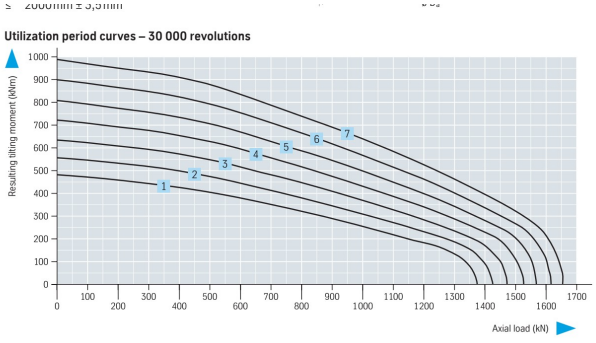
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

MOUNTING INTERFACES	
Outer ring mounting	48 holes - B 22
Inner ring mounting	48 holes - M 20
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_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: 7a047e6916bf6b8baf2018daa9f6b48192fbdc99b883311991b1cd253f5045f7
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.





page-067-load-curves.png | SHA-256: 7a047e6916bf6b8baf2018daa9f6b48192fbdc99b883311991b1cd253f5045f7

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

6SRZ5KSTXVSAQJQGXEQXBKVVPH

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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: https://rotnex.com/products/slewing-bearing-replacements/rothe-erde/060-25-1455-500-11-1503/