

Factory-Verified Replacement

MERYDOM 060.22.0505.000.11.1503

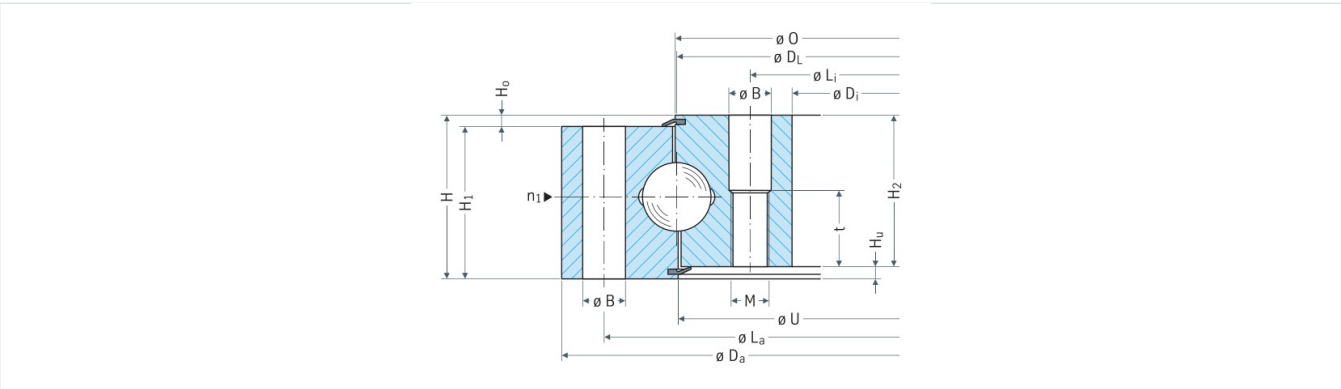
Certified for interchange with Rothe Erde 060.22.0505.000.11.1503. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
060.22.0505.000.11.1503	Rothe Erde 060.22.0505.000.11.1503
SERIES	STRUCTURE
06 Series	Single-row four-point contact ball
OVERALL OD	OVERALL ID
585 mm	425 mm
OVERALL HEIGHT	GEAR
58 mm	Ungeared

Published Technical Drawing



page-059-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	060.22.0505.000.11.1503
Certified interchangeable with	Rothe Erde 060.22.0505.000.11.1503
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	24G5A25USHJSM6QLTNWE5DZ2KO
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	060.22.0505.000.11.1503
Bearing structure	Single-row four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Raceway diameter (DL)	505 mm
Overall outside diameter (Da)	585 mm
Overall inside diameter (Di)	425 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)	58 mm
Catalog diameter O (O)	506 mm
Catalog diameter U (U)	504 mm
Ring height H1 (H1)	49 mm
Ring height H2 (H2)	49 mm
Lower ring offset Hu (Hu)	9 mm
Upper ring offset Ho (Ho)	9 mm
Assembly weight (Weight)	44 kg
MOUNTING	
Outer ring bolt circle (La)	555 mm
Inner ring bolt circle (Li)	455 mm
Common mounting-hole count (n)	22
Common mounting-hole diameter (B)	17.5 mm
Metric bolt nominal size (M)	16 mm
MISCELLANEOUS	
Grease nipple count (n1)	2
MOUNTING INTERFACES	
Outer ring mounting	22 holes - B 17,5
Inner ring mounting	22 holes - M 16
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing

Complete Product Data

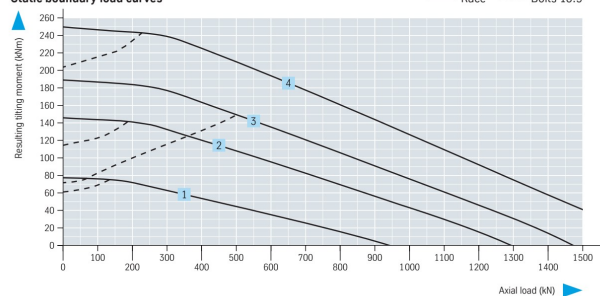
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY	
Source document code	ROTHERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	59
Printed page	112-113
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-059-load-curves.png SHA-256: e8a9adffd2e1a910b97d8a834c3bbf6acc4fdb02874765338b813cd98d916348
Outline Drawing	page-059-outline.png SHA-256: 5875e0a7ad2210b50377f27001e32c085a3276c7f2c4ca046ce7e4f9f59e0a79

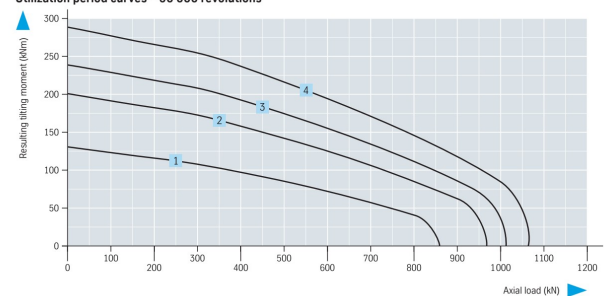
Published Load / Performance Chart

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-059-load-curves.png | SHA-256: e8a9adffd2e1a910b97d8a834c3bbf6acc4fdb02874765338b813cd98d916348

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 24G5A25USHJSM6QLTNWE5DZ2KO	SOURCE DOCUMENT ROTHE_ERDE_CATALOG_2023
SOURCE FILE Rothe Erde.pdf	SOURCE LOCATION PDF page 59 Printed page 112-113
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/060-22-0505-000-11-1503/>

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.