

Factory-Verified Replacement

MERYDOM 062.20.0844.500.01.1503

Certified for interchange with Rothe Erde 062.20.0844.500.01.1503. 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

062.20.0844.500.01.1503

REFERENCE

Rothe Erde 062.20.0844.500.01.1503

SERIES

06 Series

STRUCTURE

Tek s ral d rt nokta teması
bilyalı

OVERALL OD

916 mm

OVERALL ID

737.6 mm

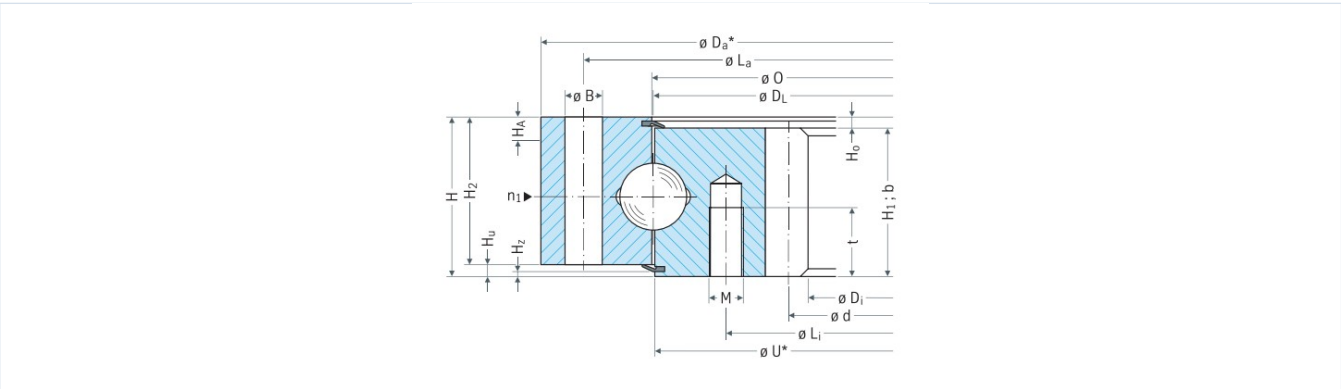
OVERALL HEIGHT

56 mm

GEAR

ten di li

Published Technical Drawing



page-063-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	062.20.0844.500.01.1503
Certified interchangeable with	Rothe Erde 062.20.0844.500.01.1503
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	5KXU7YDC5SARSHLFTNYQQRITZ
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	062.20.0844.500.01.1503
Bearing structure	Tek s ral d rt nokta temasl bilyal
Gear arrangement	ten di li
DIMENSION	
Raceway diameter (DL)	844 mm
Overall outside diameter (Da)	916 mm
Overall inside diameter (Di)	737,6 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	56 mm
Catalog diameter O (O)	845,5 mm
Catalog diameter U (U)	842,5 mm
Ring height H1 (H1)	45,5 mm
Ring height H2 (H2)	45,5 mm
Lower ring offset Hu (Hu)	10,5 mm
Upper ring offset Ho (Ho)	10,5 mm
Assembly weight (Weight)	69 kg
Axial bearing play (Y_axial)	0,30 mm
Radial bearing play (Y_radial)	0,30 mm
MOUNTING	
Outer ring bolt circle (La)	890 mm
Inner ring bolt circle (Li)	805 mm
La/Li mounting-hole count (n_La_Li)	40
Common mounting-hole diameter (B)	13,5 mm
Metric bolt nominal size (M)	12 mm
Thread depth (t)	20 mm
GEAR	
Gear pitch diameter (d)	752 mm
Gear module (m)	8 mm

Complete Product Data

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GEAR (CONTINUED)	
Gear tooth count (z)	94
Tip-height modification product k m (k*m)	-0,8 mm
Minimum gear face width (bmin)	45,5 mm
PERFORMANCE	
Permitted circumferential force, normal (X1)	20,8 kN
Permitted circumferential force, maximum (X2)	41,6 kN
PERFORMANCE RATINGS	
Catalog Reference X1	20,8 kN Not simultaneous with other listed dynamic ratings
Catalog Reference X2	41,6 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	40 holes - B 13,5
Inner ring mounting	40 holes - M 12
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	94
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	63

Complete Product Data

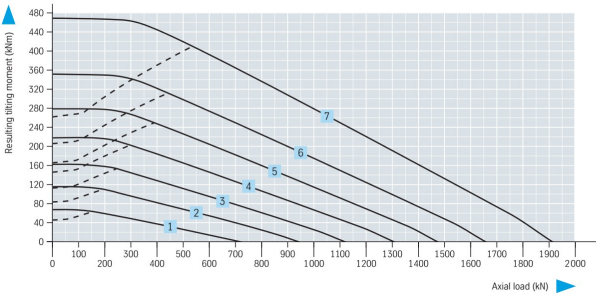
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY (CONTINUED)	
Printed page	120-121
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-063-load-curves.png SHA-256: 3562e1e8515c667877af5d5e3927a9d083e143707766fb6406b5088eca c91822
Outline Drawing	page-063-outline.png SHA-256: 38baa3858490e8be510bb2c2274497b0b7157ceea39e14278673c6bbd5 54af35

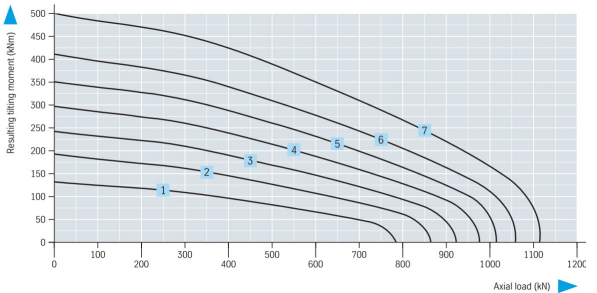
Published Load / Performance Chart

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-063-load-curves.png | SHA-256: 3562e1e8515c667877af5d5e3927a9d083e143707766fb6406b5088ecac91822

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 5KXU7YDC5SARSHLFTNYQQRITZ	SOURCE DOCUMENT ROTHE_ERDE_CATALOG_2023
SOURCE FILE Rothe Erde.pdf	SOURCE LOCATION PDF page 63 Printed page 120-121
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/tr/urunler/muadil-doner-tabla-rulmanlari/rothe-erde/062-20-0844-500-01-1503/>

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