

Factory-Verified Replacement

MERYDOM 062.25.1077.890.11.1503

Certified for interchange with Rothe Erde 062.25.1077.890.11.1503. 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

062.25.1077.890.11.1503

SERIES

06 Series

OVERALL OD

1,169 mm

OVERALL HEIGHT

63 mm

REFERENCE

Rothe Erde 062.25.1077.890.11.1503

STRUCTURE

Esferas de contato de quatro pontos de uma carreira

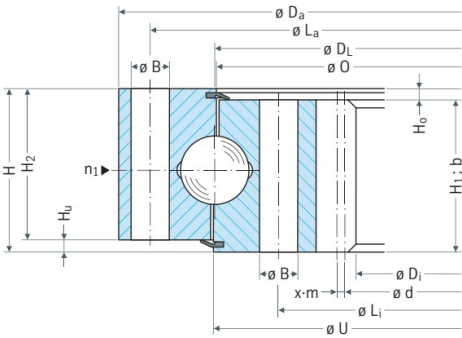
OVERALL ID

930 mm

GEAR

Engrenagem interna

Published Technical Drawing



page-081-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	062.25.1077.890.11.1503
Certified interchangeable with	Rothe Erde 062.25.1077.890.11.1503
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	2I5VWSCYVFSJAAKBRFULAJPXQX
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	062.25.1077.890.11.1503
Bearing structure	Esferas de contato de quatro pontos de uma carreira
Gear arrangement	Engrenagem interna
DIMENSION	
Raceway diameter (DL)	1.077 mm
Overall outside diameter (Da)	1.169 mm
Overall inside diameter (Di)	930 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	63 mm
Catalog diameter O (O)	1.076 mm
Catalog diameter U (U)	1.078 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
Assembly weight (Weight)	140 kg
MOUNTING	
Outer ring bolt circle (La)	1.134 mm
Inner ring bolt circle (Li)	1.017 mm
Common mounting-hole count (n)	36
Common mounting-hole diameter (B)	17,5 mm
Metric bolt nominal size (M)	16 mm
GEAR	
Gear pitch diameter (d)	940 mm
Gear module (m)	10 mm
Gear tooth count (z)	94
Profile shift product x m (x*m)	-5 mm
Minimum gear face width (bmin)	53 mm

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PERFORMANCE	
Permitted circumferential force, normal (X1)	33,28 kN
Permitted circumferential force, maximum (X2)	66,56 kN
MISCELLANEOUS	
Grease nipple count (n1)	6
PERFORMANCE RATINGS	
Catalog Reference X1	33,28 kN Not simultaneous with other listed dynamic ratings
Catalog Reference X2	66,56 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - B 17,5
Inner ring mounting	36 holes - M 16
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	94
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	81
Printed page	156-157
Source language	EN
Original unit system	Metric

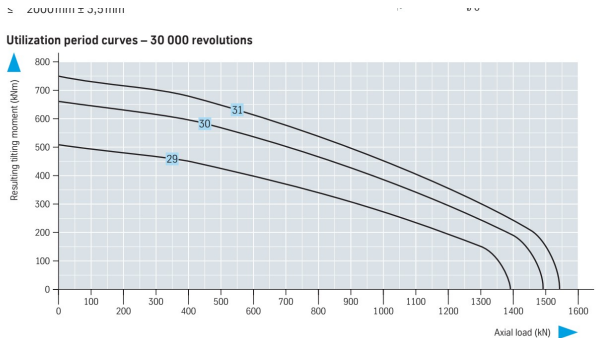
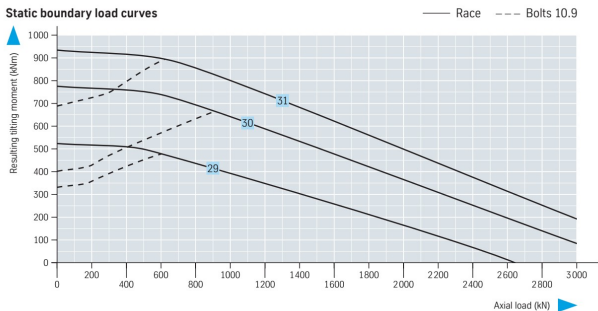
Complete Product Data

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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-081-load-curves.png SHA-256: f43f53f2734e450f200e4c7475f9d3ade2d925a1f5c3a667c171baede59988c7
Outline Drawing	page-081-outline.png SHA-256: 77680d2d39e251c34653a71ba28a8e4313963324f564029655b05e8f35643d6c

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-081-load-curves.png | SHA-256: f43f53f2734e450f200e4c7475f9d3ade2d925a1f5c3a667c171baede59988c7

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**2I5VWSCYVFSJAAKBRFULAJPXQX****SOURCE DOCUMENT****ROTHE_ERDE_CATALOG_2023****SOURCE FILE****Rothe Erde.pdf****SOURCE LOCATION****PDF page 81 | Printed page 156-157****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/pt/produtos/rolamentos-de-giro-de-substituicao/rothe-erde/062-25-1077-890-11-1503/>

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