

MERYDOM 062.40.1500.001.29.1504

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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	062.40.1500.001.29.1504
Certified interchangeable with	Rothe Erde 062.40.1500.001.29.1504
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	KYZNZAHCUNB3TFWHKOEENAI4WD
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	062.40.1500.001.29.1504
Bearing structure	Esferas de contato de quatro pontos de uma carreira
Gear arrangement	Engrenagem interna
DIMENSION	
Raceway diameter (DL)	1.500 mm
Overall outside diameter (Da)	1.634 mm
Overall inside diameter (Di)	1.308 mm

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DIMENSION (CONTINUED)	
Overall height (H)	94 mm
Catalog diameter O (O)	1.498 mm
Catalog diameter U (U)	1.501 mm
Ring height H1 (H1)	85 mm
Ring height H2 (H2)	81 mm
Lower ring offset Hu (Hu)	13 mm
Upper ring offset Ho (Ho)	9 mm
Assembly weight (Weight)	410 kg
MOUNTING	
Outer ring bolt circle (La)	1.582 mm
Inner ring bolt circle (Li)	1.418 mm
Common mounting-hole count (n)	40
Common mounting-hole diameter (B)	26 mm
Metric bolt nominal size (M)	24 mm
GEAR	
Gear pitch diameter (d)	1.320 mm
Gear module (m)	12 mm
Gear tooth count (z)	110
Profile shift product x m (x*m)	-6 mm
Minimum gear face width (bmin)	84 mm

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PERFORMANCE	
Permitted circumferential force, normal (X1)	92,5 kN
Permitted circumferential force, maximum (X2)	185 kN
MISCELLANEOUS	
Grease nipple count (n1)	8
PERFORMANCE RATINGS	
Catalog Reference X1	92,5 kN Not simultaneous with other listed dynamic ratings
Catalog Reference X2	185 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	40 holes - B 26
Inner ring mounting	40 holes - M 24
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	110
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	83
Printed page	160-161
Source language	EN
Original unit system	Metric

Complete Product Data

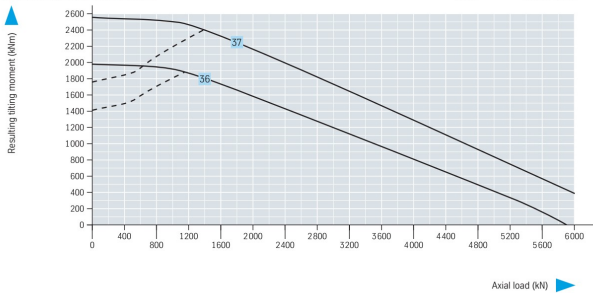
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-083-load-curves.png SHA-256: fe0ad4494ff25bfb94cc3d7276233a6ea068421d818468fb426afd44f1b6b78a
Outline Drawing	page-083-outline.png SHA-256: be1c950797a95a8a140d0e43e6f55ee2b8073635990a25d69a736bb56562af95

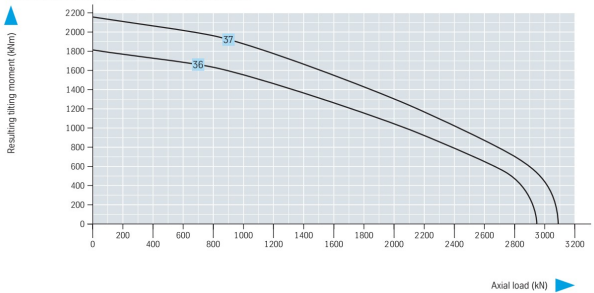
Published Load / Performance Chart

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-083-load-curves.png | SHA-256: fe0ad4494ff25bfb94cc3d7276233a6ea068421d818468fb426afd44f1b6b78a

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**KYZNZAHCUNB3TFWHKOEENAI4WD****SOURCE DOCUMENT****ROTHE_ERDE_CATALOG_2023****SOURCE FILE****Rothe Erde.pdf****SOURCE LOCATION****PDF page 83 | Printed page 160-161****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/062-40-1500-001-29-1504/>

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