Factory-Verified Replacement

MERYDOM 061.50.1900.001.49.1504

Certified for interchange with Rothe Erde 061.50.1900.001.49.1504. 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

061.50.1900.001.49.1504

REFERENCE

Rothe Erde 061.50.1900.001.49.1504

SERIES

06 Series

STRUCTURE

Esferas de contato de quatro pontos de uma carreira

OVERALL OD

2,139.2 mm

OVERALL ID

1,729 mm

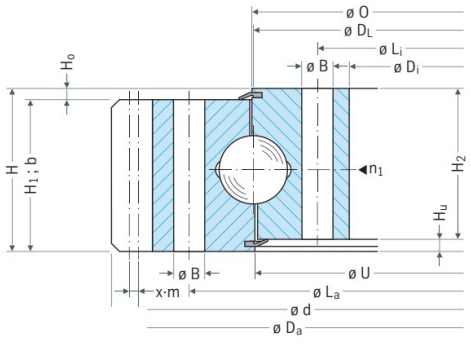
OVERALL HEIGHT

109 mm

GEAR

Engrenagem externa

Published Technical Drawing



page-078-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	061.50.1900.001.49.1504
Certified interchangeable with	Rothe Erde 061.50.1900.001.49.1504
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	J2UAK6CMAZVXSPKYH2BPXN47YP
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	061.50.1900.001.49.1504
Bearing structure	Esferas de contato de quatro pontos de uma carreira
Gear arrangement	Engrenagem externa
DIMENSION	
Raceway diameter (DL)	1.900 mm
Overall outside diameter (Da)	2.139,2 mm
Overall inside diameter (Di)	1.729 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	109 mm
Catalog diameter O (O)	1.902 mm
Catalog diameter U (U)	1.898 mm
Ring height H1 (H1)	100 mm
Ring height H2 (H2)	99 mm
Lower ring offset Hu (Hu)	10 mm
Upper ring offset Ho (Ho)	9 mm
Assembly weight (Weight)	820 kg
MOUNTING	
Outer ring bolt circle (La)	2.005 mm
Inner ring bolt circle (Li)	1.795 mm
Common mounting-hole count (n)	36
Common mounting-hole diameter (B)	33 mm
Metric bolt nominal size (M)	30 mm
GEAR	
Gear pitch diameter (d)	2.100 mm
Gear module (m)	14 mm
Gear tooth count (z)	150
Profile shift product x m (x*m)	7 mm
Tip-height modification product k m (k*m)	-1,4 mm

Complete Product Data

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GEAR (CONTINUED)	
Minimum gear face width (bmin)	99 mm
PERFORMANCE	
Permitted circumferential force, normal (X1)	127,22 kN
Permitted circumferential force, maximum (X2)	254,43 kN
MISCELLANEOUS	
Grease nipple count (n1)	9
PERFORMANCE RATINGS	
Catalog Reference X1	127,22 kN | Not simultaneous with other listed dynamic ratings
Catalog Reference X2	254,43 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - M 30
Inner ring mounting	36 holes - B 33
GEAR INTERFACE	
Pitch system	module
Module reference	14 mm
Number of teeth	150
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	78
Printed page	150-151

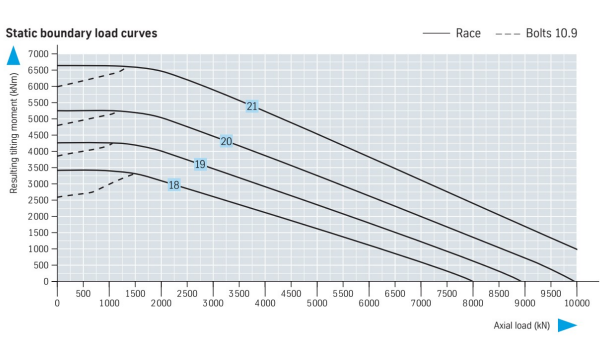
Complete Product Data

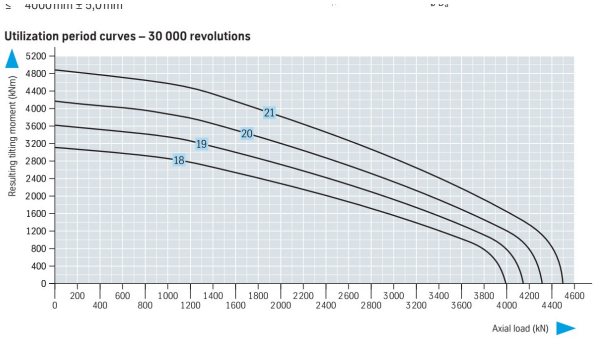
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY (CONTINUED)	
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-078-load-curves.png | SHA-256: 9a6f9d8ae1e72bc9de682e5b71a46417dd815db6473bf000bb66cfa2dc1b67e1
Outline Drawing	page-078-outline.png | SHA-256: fbb761db55c943918e087e76a73723faa738c94b1e5085319051d15ed415de72

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-078-load-curves.png | SHA-256: 9a6f9d8ae1e72bc9de682e5b71a46417dd815db6473bf000bb66cfa2dc1b67e1

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

J2UAK6CMAZVXSPKYH2BPXN47YP

SOURCE DOCUMENT

ROTHE_ERDE_CATALOG_2023

SOURCE FILE

Rothe Erde.pdf

SOURCE LOCATION

PDF page 78 | Printed page 150-151

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/pt/produtos/rolamentos-de-giro-de-substituicao/rothe-erde/061-50-1900-001-49-1504/

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