

Factory-Verified Replacement

MERYDOM 192.32.2240.990.41.1502

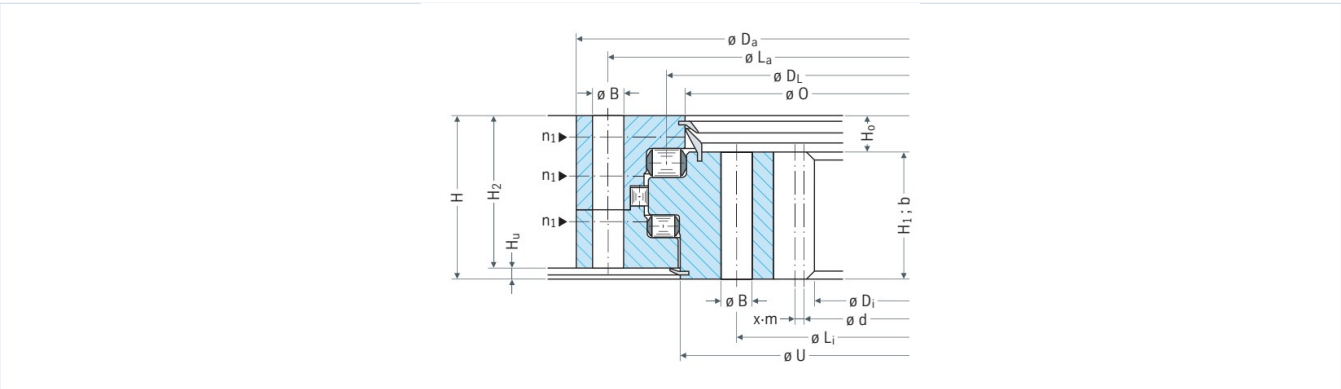
Certified for interchange with Rothe Erde 192.32.2240.990.41.1502. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
192.32.2240.990.41.1502	Rothe Erde 192.32.2240.990.41.1502
SERIES	STRUCTURE
19 Series	Rolos de tr s carreiras
OVERALL OD	OVERALL ID
2,458 mm	1,908 mm
OVERALL HEIGHT	GEAR
181 mm	Engrenagem interna

Published Technical Drawing



page-100-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	192.32.2240.990.41.1502
Certified interchangeable with	Rothe Erde 192.32.2240.990.41.1502
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SXQGU2DTTCIPN3J7JMN5RZBWYF
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	19 Series
Reference model	192.32.2240.990.41.1502
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Engrenagem interna
DIMENSION	
Raceway diameter (DL)	2.240 mm
Overall outside diameter (Da)	2.458 mm
Overall inside diameter (Di)	1.908 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	181 mm
Catalog diameter O (O)	2.199 mm
Catalog diameter U (U)	2.210 mm
Ring height H1 (H1)	139 mm
Ring height H2 (H2)	172 mm
Lower ring offset Hu (Hu)	9 mm
Upper ring offset Ho (Ho)	42 mm
Assembly weight (Weight)	2.010 kg
MOUNTING	
Outer ring bolt circle (La)	2.380 mm
Inner ring bolt circle (Li)	2.085 mm
Common mounting-hole count (n)	40
Common mounting-hole diameter (B)	39 mm
Metric bolt nominal size (M)	36 mm
GEAR	
Gear pitch diameter (d)	1.926 mm
Gear module (m)	18 mm
Gear tooth count (z)	107
Profile shift product x m (x*m)	-9 mm
Minimum gear face width (bmin)	138 mm

Complete Product Data

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PERFORMANCE	
Permitted circumferential force, normal (X1)	216 kN
Permitted circumferential force, maximum (X2)	432 kN
MISCELLANEOUS	
Grease nipple count (n1)	8
PERFORMANCE RATINGS	
Catalog Reference X1	216 kN Not simultaneous with other listed dynamic ratings
Catalog Reference X2	432 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	40 holes - B 39
Inner ring mounting	40 holes - M 36
GEAR INTERFACE	
Pitch system	module
Module reference	18 mm
Number of teeth	107
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	100
Printed page	194-195
Source language	EN
Original unit system	Metric

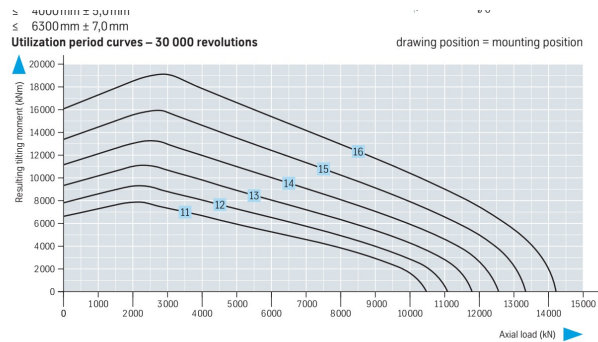
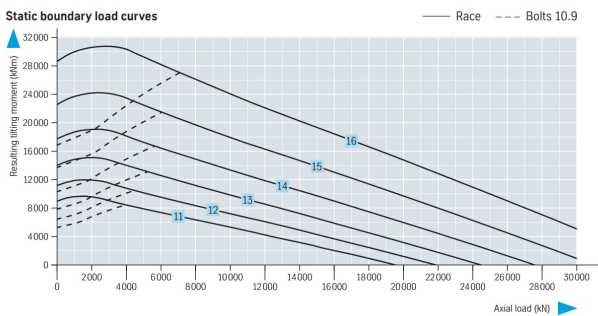
Complete Product Data

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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-100-load-curves.png SHA-256: c8b63bd6a0daded262212a5cb609dc263444093f55f2a204aa999e8d2b a3b5c9
Outline Drawing	page-100-outline.png SHA-256: ad0e900339c1e9b6d101a05817bde85c95059d9cc3fd91962cc615ba56 6bfcbc

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-100-load-curves.png | SHA-256: c8b63bd6a0daded262212a5cb609dc263444093f55f2a204aa999e8d2ba3b5c9

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**SXQGU2DTTCIPN3J7JMN5RZBWYF****SOURCE DOCUMENT****ROTHE_ERDE_CATALOG_2023****SOURCE FILE****Rothe Erde.pdf****SOURCE LOCATION****PDF page 100 | Printed page 194-195****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/192-32-2240-990-41-1502/>

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