

Factory-Verified Replacement

MERYDOM 191.32.3150.990.41.1502

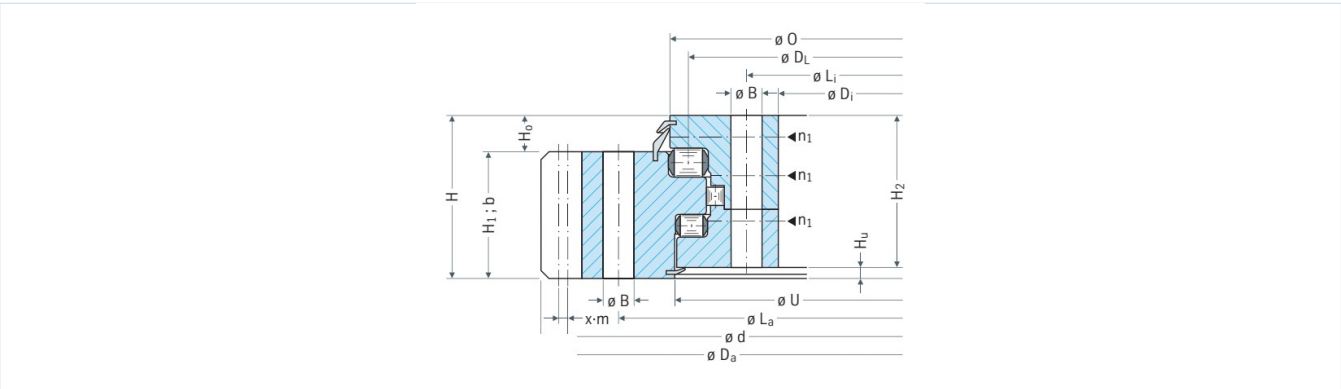
Certified for interchange with Rothe Erde 191.32.3150.990.41.1502. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
191.32.3150.990.41.1502	Rothe Erde 191.32.3150.990.41.1502
SERIES	STRUCTURE
19 Series	Rolos de tr s carreiras
OVERALL OD	OVERALL ID
3,476.4 mm	2,932 mm
OVERALL HEIGHT	GEAR
181 mm	Engrenagem externa

Published Technical Drawing



page-099-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	191.32.3150.990.41.1502
Certified interchangeable with	Rothe Erde 191.32.3150.990.41.1502
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	DFPJDHH4X7TFYG75O3APETZX6E
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	191.32.3150.990.41.1502
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Engrenagem externa
DIMENSION	
Raceway diameter (DL)	3.150 mm
Overall outside diameter (Da)	3.476,4 mm
Overall inside diameter (Di)	2.932 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	181 mm
Catalog diameter O (O)	3.191 mm
Catalog diameter U (U)	3.180 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)	2.828 kg
MOUNTING	
Outer ring bolt circle (La)	3.305 mm
Inner ring bolt circle (Li)	3.010 mm
Common mounting-hole count (n)	56
Common mounting-hole diameter (B)	39 mm
Metric bolt nominal size (M)	36 mm
GEAR	
Gear pitch diameter (d)	3.420 mm
Gear module (m)	20 mm
Gear tooth count (z)	171
Profile shift product x m (x*m)	10 mm
Tip-height modification product k m (k*m)	-2 mm

Complete Product Data

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GEAR (CONTINUED)	
Minimum gear face width (bmin)	138 mm
PERFORMANCE	
Permitted circumferential force, normal (X1)	240 kN
Permitted circumferential force, maximum (X2)	480 kN
MISCELLANEOUS	
Grease nipple count (n1)	7
PERFORMANCE RATINGS	
Catalog Reference X1	240 kN Not simultaneous with other listed dynamic ratings
Catalog Reference X2	480 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	56 holes - M 36
Inner ring mounting	56 holes - B 39
GEAR INTERFACE	
Pitch system	module
Module reference	20 mm
Number of teeth	171
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	99
Printed page	192-193

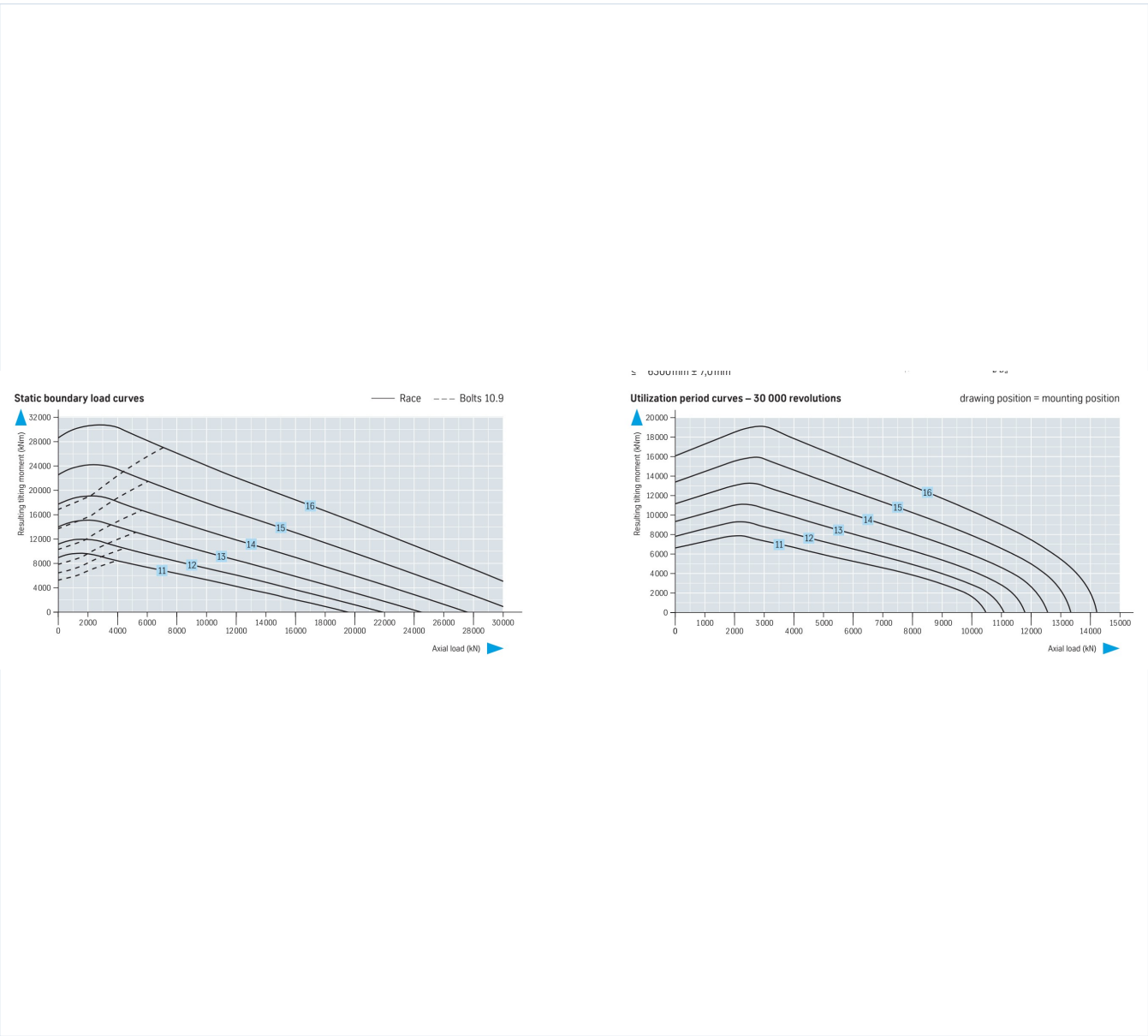
Complete Product Data

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SOURCE TRACEABILITY (CONTINUED)	
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-099-load-curves.png SHA-256: 1454b0dd497b8c88cad41e28ab91b3627b48f523543ab50653190c3154695ea2
Outline Drawing	page-099-outline.png SHA-256: 76b41f3a72e4f2995e3b8c9e006f3772ee466d177c6823093f4d1a9ac785e998

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-099-load-curves.png | SHA-256: 1454b0dd497b8c88cad41e28ab91b3627b48f523543ab50653190c3154695ea2

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**DFPJDHH4X7TFYG75O3APETZX6E****SOURCE DOCUMENT****ROTHE_ERDE_CATALOG_2023****SOURCE FILE****Rothe Erde.pdf****SOURCE LOCATION****PDF page 99 | Printed page 192-193****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/191-32-3150-990-41-1502/>

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