Factory-Verified Replacement

MERYDOM 092.30.1799.990.11.1502

Certified for interchange with Rothe Erde 092.30.1799.990.11.1502. 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

092.30.1799.990.11.1502

REFERENCE

Rothe Erde 092.30.1799.990.11.1502

SERIES

09 Series

STRUCTURE

ift s ral d rt nokta temasl bilyal

OVERALL OD

1,950 mm

OVERALL ID

1,596 mm

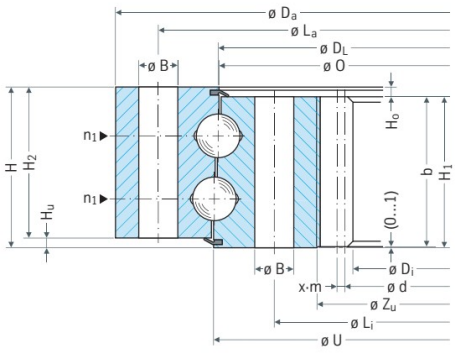
OVERALL HEIGHT

119 mm

GEAR

ten di li

Published Technical Drawing



page-088-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	092.30.1799.990.11.1502
Certified interchangeable with	Rothe Erde 092.30.1799.990.11.1502
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	QMLIENT33MSCDS5MJXK37RJ4FZ
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	09 Series
Reference model	092.30.1799.990.11.1502
Bearing structure	ift s ral d rt nokta temasl bilyal
Gear arrangement	ten di li
DIMENSION	
Raceway diameter (DL)	1 799 mm
Overall outside diameter (Da)	1 950 mm
Overall inside diameter (Di)	1 596 mm

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.

DIMENSION (CONTINUED)	
Overall height (H)	119 mm
Catalog diameter O (O)	1 797 mm
Catalog diameter U (U)	1 807 mm
Ring height H1 (H1)	110 mm
Ring height H2 (H2)	110 mm
Lower ring offset Hu (Hu)	9 mm
Upper ring offset Ho (Ho)	9 mm
Assembly weight (Weight)	682 kg
MOUNTING	
Outer ring bolt circle (La)	1 884 mm
Inner ring bolt circle (Li)	1 720 mm
Common mounting-hole count (n)	72
Common mounting-hole diameter (B)	30 mm
Metric bolt nominal size (M)	27 mm
GEAR	
Gear pitch diameter (d)	1 608 mm
Gear module (m)	12 mm
Gear tooth count (z)	134
Profile shift product x m (x*m)	-6 mm
Tip-height modification product k m (k*m)	0 mm

Complete Product Data

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GEAR (CONTINUED)	
Minimum gear face width (bmin)	109 mm
Root-neck diameter Zu (Zu)	1 656 mm
PERFORMANCE	
Permitted circumferential force, normal (X1)	82,14 kN
Permitted circumferential force, maximum (X2)	164,29 kN
MISCELLANEOUS	
Grease nipple count (n1)	8
PERFORMANCE RATINGS	
Catalog Reference X1	82,14 kN | Not simultaneous with other listed dynamic ratings
Catalog Reference X2	164,29 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	72 holes - B 30
Inner ring mounting	72 holes - M 27
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	134
SOURCE TRACEABILITY	
Source document code	ROTHE_ERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	88

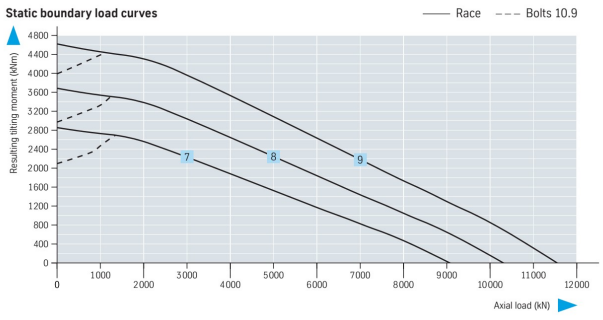
Complete Product Data

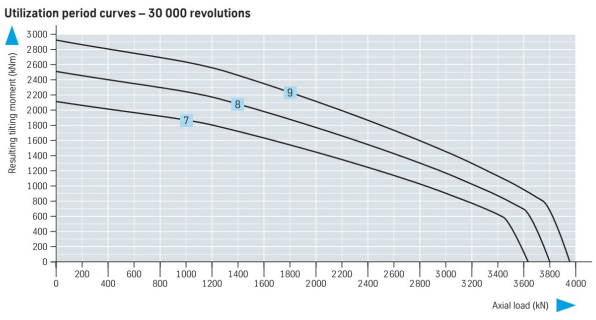
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY (CONTINUED)	
Printed page	170-171
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-088-load-curves.png | SHA-256: f2b5390b91944db356f68e774516523b9406c4aae533db0f1258e7e9c5e9e2ce
Outline Drawing	page-088-outline.png | SHA-256: c025164dd9c380f3e04a3029b604345eb22e768de39b68c1bc72dbb242b3fc95

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-088-load-curves.png | SHA-256: f2b5390b91944db356f68e774516523b9406c4aae533db0f1258e7e9c5e9e2ce

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

QMLIENT33MSCDS5MJXK37RJ4FZ

SOURCE DOCUMENT

ROTHE_ERDE_CATALOG_2023

SOURCE FILE

Rothe Erde.pdf

SOURCE LOCATION

PDF page 88 | Printed page 170-171

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/tr/urunler/muadil-doner-tabla-rulmanlari/rothe-erde/092-30-1799-990-11-1502/