

Factory-Verified Replacement

MERYDOM 060.20.0414.575.01.1403

Certified for interchange with Rothe Erde 060.20.0414.575.01.1403. 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

060.20.0414.575.01.1403

REFERENCE

Rothe Erde 060.20.0414.575.01.1403

SERIES

06 Series

STRUCTURE

Esferas de contato de quatro pontos de uma carreira

OVERALL OD

484.5 mm

OVERALL ID

343.5 mm

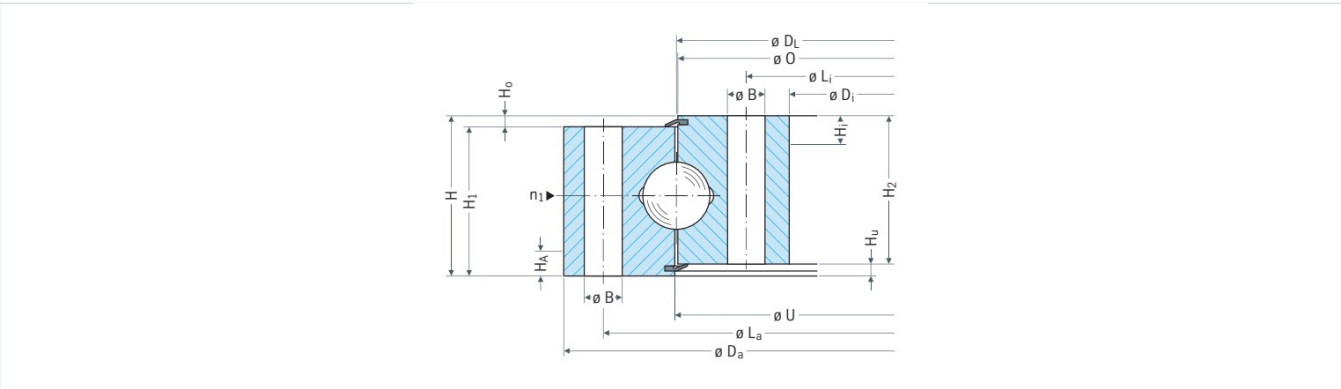
OVERALL HEIGHT

56 mm

GEAR

Sem engrenagem

Published Technical Drawing



page-064-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	060.20.0414.575.01.1403
Certified interchangeable with	Rothe Erde 060.20.0414.575.01.1403
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	X3BMG34KWL5VCFXKEDCAK42MH4
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	060.20.0414.575.01.1403
Bearing structure	Esferas de contato de quatro pontos de uma carreira
Gear arrangement	Sem engrenagem
DIMENSION	
Raceway diameter (DL)	414 mm
Overall outside diameter (Da)	484,5 - 0,10 mm
Overall inside diameter (Di)	343,5 + 0,09 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)	56 mm
Catalog diameter O (O)	412,5 mm
Catalog diameter U (U)	415,5 mm
Ring height H1 (H1)	45,5 mm
Ring height H2 (H2)	45,5 mm
Lower ring offset Hu (Hu)	10,5 mm
Upper ring offset Ho (Ho)	10,5 mm
Assembly weight (Weight)	29 kg
Axial bearing play (Y_axial)	0 to mm
Radial bearing play (Y_radial)	0,03 mm
MOUNTING	
Outer ring bolt circle (La)	460 mm
Inner ring bolt circle (Li)	368 mm
Common mounting-hole count (n)	24
Common mounting-hole diameter (B)	13,5 mm
Metric bolt nominal size (M)	12 mm
MOUNTING INTERFACES	
Outer ring mounting	24 holes - B 13,5
Inner ring mounting	24 holes - M 12
GEAR INTERFACE	

Complete Product Data

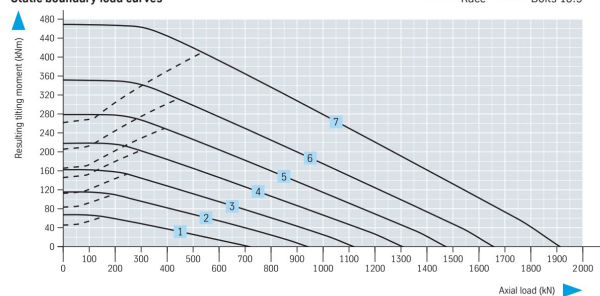
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

GEAR INTERFACE (CONTINUED)	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	ROTHERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	64
Printed page	122-123
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-064-load-curves.png SHA-256: 3757e7365a5c5e0b6979d78137e98d3aa014cd27e613bceb215cc269bd c5ea88
Outline Drawing	page-064-outline.png SHA-256: d90bef5748f314c0a4cd5a9a07245fa0135560b5e64ecc4d6fd58f89a9 deec1f

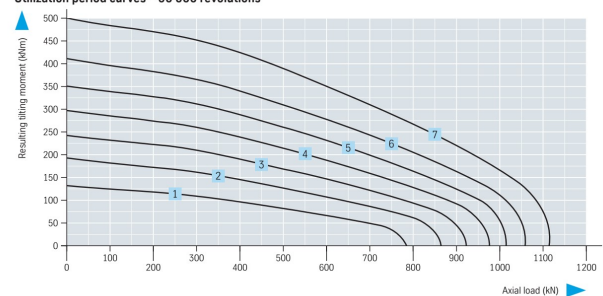
Published Load / Performance Chart

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-064-load-curves.png | SHA-256: 3757e7365a5c5e0b6979d78137e98d3aa014cd27e613bceb215cc269bdc5ea88

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**X3BMG34KWL5VCFXKEDCAK42MH4****SOURCE DOCUMENT****ROTHE_ERDE_CATALOG_2023****SOURCE FILE****Rothe Erde.pdf****SOURCE LOCATION****PDF page 64 | Printed page 122-123****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/060-20-0414-575-01-1403/>

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