

MERYDOM 060.25.1455.575.11.1403

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

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	060.25.1455.575.11.1403
Certified interchangeable with	Rothe Erde 060.25.1455.575.11.1403
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	H6IZPIZ4II3QXJ5KI7PBHRTWLZ
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	060.25.1455.575.11.1403
Bearing structure	Single-row four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Raceway diameter (DL)	1,455 mm
Overall outside diameter (Da)	1553 - 0,20 mm
Overall inside diameter (Di)	1357 + 0,20 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	63 mm
Catalog diameter O (O)	1,456 mm
Catalog diameter U (U)	1,454 mm
Ring height H1 (H1)	54 mm
Ring height H2 (H2)	54 mm
Lower ring offset Hu (Hu)	9 mm
Upper ring offset Ho (Ho)	9 mm
Assembly weight (Weight)	171 kg
Combined axial/radial bearing play range (Y_axial_radial)	0 to 0,07 mm
MOUNTING	
Outer ring bolt circle (La)	1,515 mm
Inner ring bolt circle (Li)	1,395 mm
Common mounting-hole count (n)	48
Common mounting-hole diameter (B)	22 mm
Metric bolt nominal size (M)	20 mm
MISCELLANEOUS	
Grease nipple count (n1)	6
MOUNTING INTERFACES	
Outer ring mounting	48 holes - B 22
Inner ring mounting	48 holes - M 20

Complete Product Data

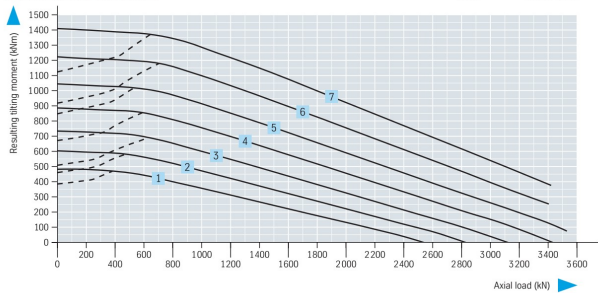
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GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	ROTHERDE_CATALOG_2023
Source file	Rothe Erde.pdf
PDF page	70
Printed page	134-135
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	page-070-load-curves.png SHA-256: 3de9854a8e9246ccb0aed135de033b34ccda20404cc711f0e0ff330dea0eeeb3
Outline Drawing	page-070-outline.png SHA-256: 37fd453ca7afa81c87775eb6e76c3b8f8f1a4aa95f7951ba40f219e491469a33

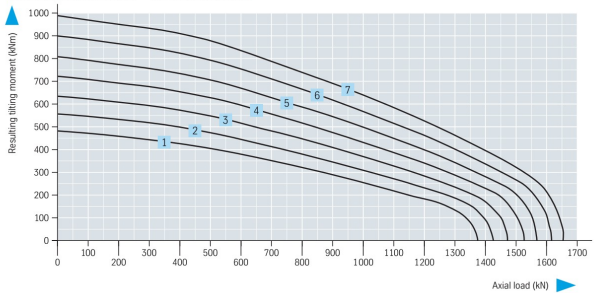
Published Load / Performance Chart

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-070-load-curves.png | SHA-256: 3de9854a8e9246ccb0aed135de033b34ccda20404cc711f0e0ff330dea0eeeb3

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 H6IZPIZ4II3QXJ5KI7PBHRTWLZ	SOURCE DOCUMENT ROTHE_ERDE_CATALOG_2023
SOURCE FILE Rothe Erde.pdf	SOURCE LOCATION PDF page 70 Printed page 134-135
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/products/slewing-bearing-replacements/rothe-erde/060-25-1455-575-11-1403/>

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