

Factory-Verified Replacement

MERYDOM 062.25.1055.575.11.1403

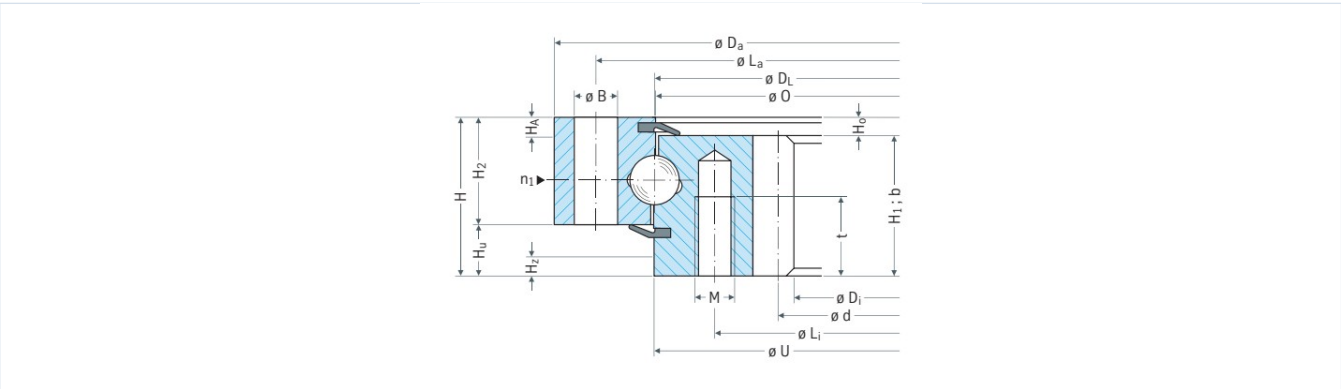
Certified for interchange with Rothe Erde 062.25.1055.575.11.1403. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

**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           | REFERENCE                          |
| 062.25.1055.575.11.1403 | Rothe Erde 062.25.1055.575.11.1403 |
| SERIES                  | STRUCTURE                          |
| 06 Series               | Tek s ral d rt nokta teması bilyal |
| OVERALL OD              | OVERALL ID                         |
| 1,153 mm                | 910 mm                             |
| OVERALL HEIGHT          | GEAR                               |
| 80 mm                   | ten di li                          |

Published Technical Drawing



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                        | 062.25.1055.575.11.1403                |
| Certified interchangeable with       | Rothe Erde 062.25.1055.575.11.1403     |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | OZTXJQMRQX3TKWD647I7YS6UW5             |
| 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                      | 062.25.1055.575.11.1403                |
| Bearing structure                    | Tek s ral d rt nokta temasl bilyal     |
| Gear arrangement                     | ten di li                              |
| DIMENSION                            |                                        |
| Raceway diameter (DL)                | 1 055 mm                               |
| Overall outside diameter (Da)        | 1153 - 0,17 mm                         |
| Overall inside diameter (Di)         | 910 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)                                        | 80 mm          |
| Catalog diameter O (O)                                    | 1 054 mm       |
| Catalog diameter U (U)                                    | 1055 - 0,17 mm |
| Ring height H1 (H1)                                       | 71 mm          |
| Ring height H2 (H2)                                       | 54 mm          |
| Lower ring offset Hu (Hu)                                 | 26 mm          |
| Upper ring offset Ho (Ho)                                 | 9 mm           |
| Assembly weight (Weight)                                  | 166 kg         |
| Combined axial/radial bearing play range (Y_axial_radial) | 0 to 0,06 mm   |
| MOUNTING                                                  |                |
| Outer ring bolt circle (La)                               | 1 115 mm       |
| Inner ring bolt circle (Li)                               | 994 mm         |
| Common mounting-hole count (n)                            | 30             |
| Common mounting-hole diameter (B)                         | 22 mm          |
| Metric bolt nominal size (M)                              | 20 mm          |
| Thread depth (t)                                          | 40 mm          |
| GEAR                                                      |                |
| Gear pitch diameter (d)                                   | 930 mm         |
| Gear module (m)                                           | 10 mm          |
| Gear tooth count (z)                                      | 93             |

Complete Product Data

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|                                               |                                                               |
|-----------------------------------------------|---------------------------------------------------------------|
| GEAR (CONTINUED)                              |                                                               |
| Minimum gear face width (bmin)                | 70 mm                                                         |
| PERFORMANCE                                   |                                                               |
| Permitted circumferential force, normal (X1)  | 40,06 kN                                                      |
| Permitted circumferential force, maximum (X2) | 80,12 kN                                                      |
| MISCELLANEOUS                                 |                                                               |
| Grease nipple count (n1)                      | 6                                                             |
| PERFORMANCE RATINGS                           |                                                               |
| Catalog Reference X1                          | 40,06 kN   Not simultaneous with other listed dynamic ratings |
| Catalog Reference X2                          | 80,12 kN   Not simultaneous with other listed dynamic ratings |
| MOUNTING INTERFACES                           |                                                               |
| Outer ring mounting                           | 30 holes - B 22                                               |
| Inner ring mounting                           | 30 holes - M 20                                               |
| GEAR INTERFACE                                |                                                               |
| Pitch system                                  | module                                                        |
| Module reference                              | 10 mm                                                         |
| Number of teeth                               | 93                                                            |
| SOURCE TRACEABILITY                           |                                                               |
| Source document code                          | ROTHE_ERDE_CATALOG_2023                                       |
| Source file                                   | Rothe Erde.pdf                                                |
| PDF page                                      | 72                                                            |
| Printed page                                  | 138-139                                                       |

Complete Product Data

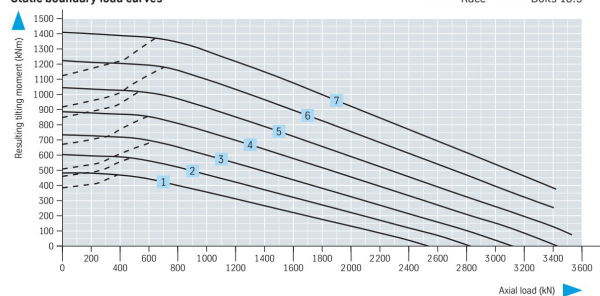
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

| SOURCE TRACEABILITY (CONTINUED) |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Source language                 | EN                                                                                                      |
| Original unit system            | Metric                                                                                                  |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                         |
| Load Curve Chart                | page-072-load-curves.png   SHA-256:<br>4d8f48a27015a99a15426bf2c227d4cea5a8ea7cff2088282b000d04cd0cf693 |
| Outline Drawing                 | page-072-outline.png   SHA-256:<br>18fac33e1aba0fefe9cf0b4e144fef9ea8518c674ad028dc72af1a88d6ed7eac     |

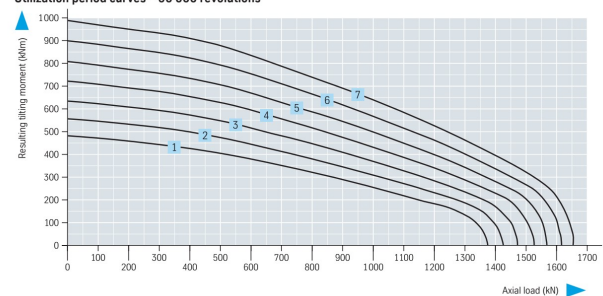
## Published Load / Performance Chart

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-072-load-curves.png | SHA-256: 4d8f48a27015a99a15426bf2c227d4cea5a8ea7cff2088282b000d04cd0cf693

Engineering note: final approval must also consider mounting rigidity, bolt capacity, duty cycle, lubrication, temperature, environment and installation conditions.

Source and Verification Traceability

|                                                                               |                                                                          |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <div>PUBLIC RECORD UID</div> <div>OZTXJQMRQX3TKWD647I7YS6UW5</div>            | <div>SOURCE DOCUMENT</div> <div>ROTHE_ERDE_CATALOG_2023</div>            |
| <div>SOURCE FILE</div> <div>Rothe Erde.pdf</div>                              | <div>SOURCE LOCATION</div> <div>PDF page 72   Printed page 138-139</div> |
| <div>VERIFICATION</div> <div>Level 3 - MERYDOM Engineering<br/>Verified</div> | <div>REVIEWED BY</div> <div>MERYDOM Engineering Department</div>         |

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](mailto:jovi@merydom.com) | Email: [andi@merydom.com](mailto:andi@merydom.com) | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/rothe-erde/062-25-1055-575-11-1403/>

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