

Factory-Verified Replacement

MERYDOM 1450R-12B-100

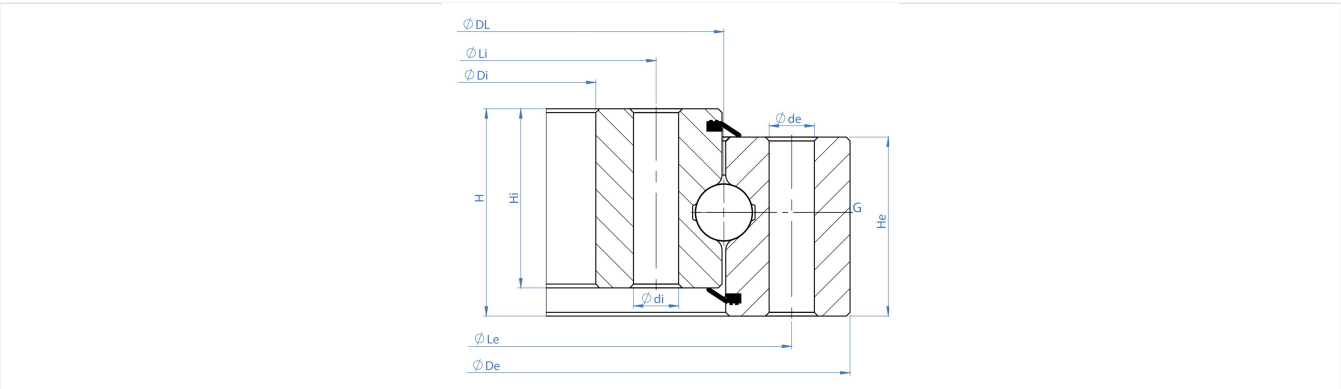
Certified for interchange with Tibet Makina 1450R-12B-100. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

**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                  |
| 1450R-12B-100              | Tibet Makina 1450R-12B-100 |
| SERIES                     | STRUCTURE                  |
| FOUR_POINT_UNGEARED Series | D rt nokta temasl bilyal   |
| OVERALL OD                 | OVERALL ID                 |
| 1,555 mm                   | 1,345 mm                   |
| OVERALL HEIGHT             | GEAR                       |
| 80 mm                      | Di lisiz                   |

Published Technical Drawing



four\_point\_ungeared-drawing.webp

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                        | 1450R-12B-100                          |
| Certified interchangeable with       | Tibet Makina 1450R-12B-100             |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | NVOOXT4KE4GOHGIBIQBRLD5UQ              |
| MATERIALS                            |                                        |
| Configurable ring material options   | 42CrMo / 50Mn                          |
| Seal material                        | NBR - Nitrile rubber                   |
| Configurable spacer material options | Engineering nylon / Brass              |
| IDENTIFICATION                       |                                        |
| Reference brand                      | Tibet Makina                           |
| Reference series                     | FOUR_POINT_UNGEARED Series             |
| Reference model                      | 1450R-12B-100                          |
| Bearing structure                    | D rt nokta temasl bilyal               |
| Gear arrangement                     | Di lisiz                               |
| DIMENSION                            |                                        |
| Mass (Kg)                            | 220 kg                                 |
| Overall outside diameter (De)        | 1 555 mm                               |
| Overall inside diameter (Di)         | 1 345 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                             |
| Outer ring height (He)                      | 70 mm                             |
| Inner ring height (Hi)                      | 70 mm                             |
| MOUNTING                                    |                                   |
| Outer ring bolt circle (Le)                 | 1 515 mm                          |
| Inner ring bolt circle (Li)                 | 1 390 mm                          |
| Outer ring mounting-hole count (ne)         | 42                                |
| Inner ring mounting-hole count (ni)         | 42                                |
| Outer ring mounting-hole specification (de) | 22 mm                             |
| Inner ring mounting-hole specification (di) | 22 mm                             |
| MISCELLANEOUS                               |                                   |
| Raceway Pitch Diameter (DL)                 | 1 450 mm                          |
| Lubrication Zerk Count (G)                  | 6                                 |
| MOUNTING INTERFACES                         |                                   |
| Outer ring mounting                         | 42 holes - de 22 mm               |
| Inner ring mounting                         | 42 holes - di 22 mm               |
| GEAR INTERFACE                              |                                   |
| Integral gear                               | Not applicable - ungeared bearing |
| SOURCE TRACEABILITY                         |                                   |
| Source document code                        | TIBET_MAKINA_2015_CATALOG         |
| Source file                                 | tibet_makina_2015.pdf             |

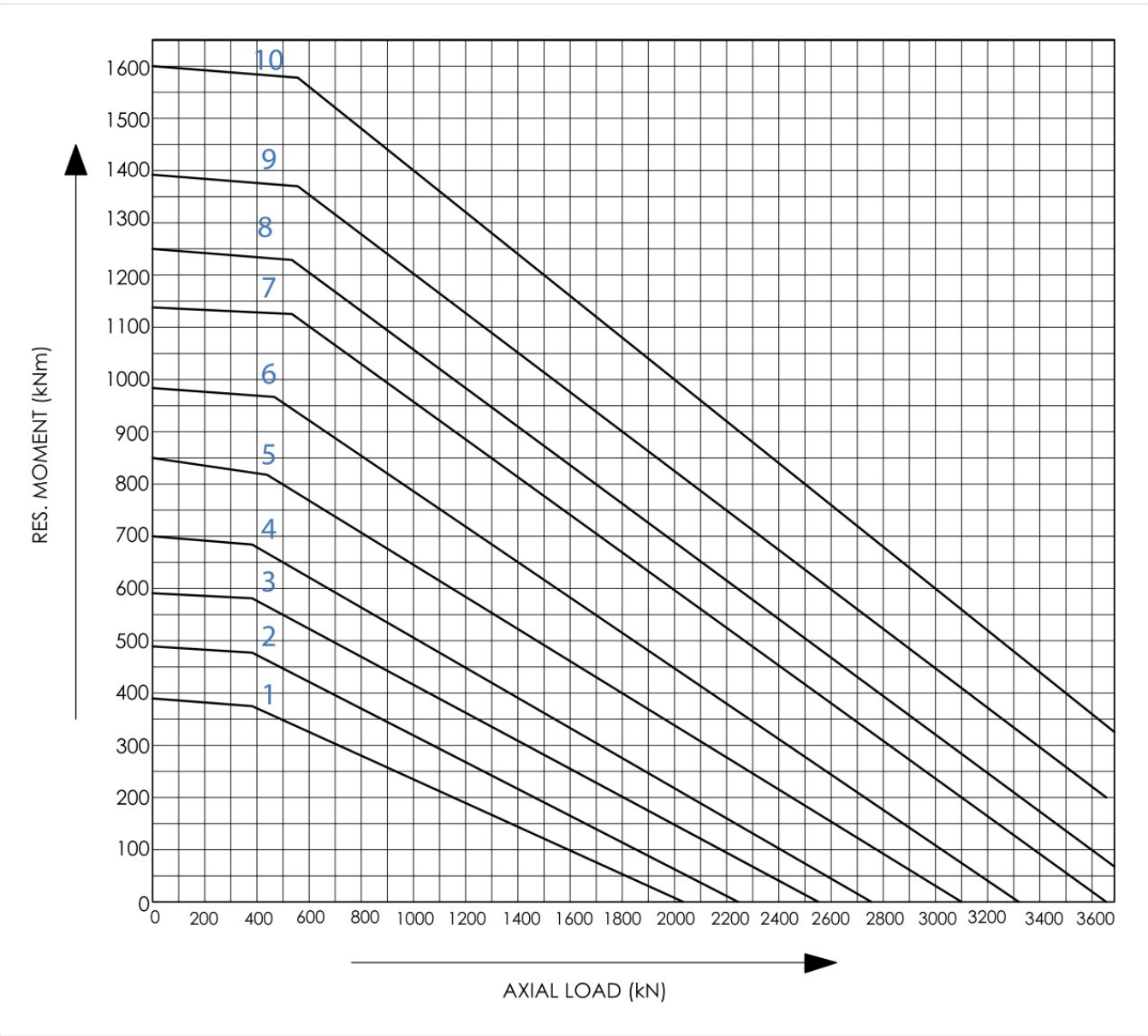
Complete Product Data

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) |                                                                                                                           |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| PDF page                        | 37                                                                                                                        |
| Printed page                    | 37                                                                                                                        |
| Source language                 | TR-EN                                                                                                                     |
| Original unit system            | Metric                                                                                                                    |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                                           |
| Load Curve Chart                | four_point_ungeared-static-load-curve.webp   SHA-256:<br>6e320b9eaf9f0e5d8d595de1fcd42e8b3fa42e8423ae3662b3ca9605275fad7a |
| Outline Drawing                 | four_point_ungeared-drawing.webp   SHA-256:<br>e5777160d43ec697a5e6f56e000a41c453438946140d1d4ed26589d1ab9318c5           |

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.



four\_point\_ungeared-static-load-curve.webp | SHA-256:  
6e320b9eaf9f0e5d8d595de1fcd42e8b3fa42e8423ae3662b3ca9605275fad7a

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>NVOOXTP4KE4GOHGIBIQBRLD5UQ</div>            | <div>SOURCE DOCUMENT</div> <div>TIBET_MAKINA_2015_CATALOG</div>     |
| <div>SOURCE FILE</div> <div>tibet_makina_2015.pdf</div>                       | <div>SOURCE LOCATION</div> <div>PDF page 37   Printed page 37</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 | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/tibet-makina/1450r-12b-100/>

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