

Factory-Verified Replacement

MERYDOM 0744R-12B-101

Certified for interchange with Tibet Makina 0744R-12B-101. 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  
**0744R-12B-101**

REFERENCE  
**Tibet Makina 0744R-12B-101**

SERIES  
**L\_UNGEARED Series**

STRUCTURE  
**Single Row Ball Profile**

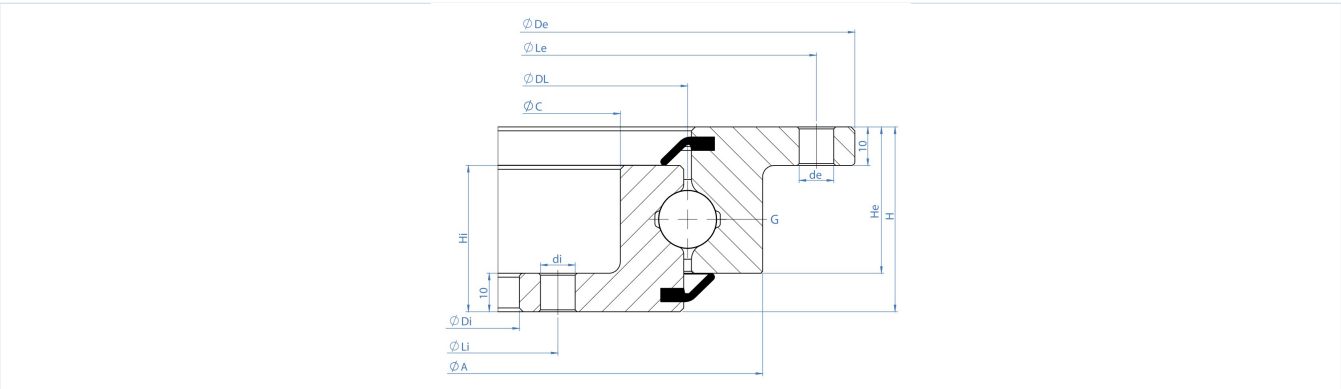
OVERALL OD  
**850 mm**

OVERALL ID  
**634 mm**

OVERALL HEIGHT  
**56 mm**

GEAR  
**Senza dentatura**

Published Technical Drawing



l\_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                        | 0744R-12B-101                          |
| Certified interchangeable with       | Tibet Makina 0744R-12B-101             |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | WY6TH6G5RO2XWSE6FJC6D2SW3U             |
| 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                     | L_UNGEARED Series                      |
| Reference model                      | 0744R-12B-101                          |
| Bearing structure                    | Single Row Ball Profile                |
| Gear arrangement                     | Senza dentatura                        |
| DIMENSION                            |                                        |
| Mass (Kg)                            | 44 kg                                  |
| Overall outside diameter (De)        | 850 mm                                 |
| Overall inside diameter (Di)         | 634 mm                                 |

Complete Product Data

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| DIMENSION (CONTINUED)                       |                                   |
|---------------------------------------------|-----------------------------------|
| Tibet catalogue dimension A (A)             | 783 mm                            |
| Tibet catalogue dimension C (C)             | 705 mm                            |
| Overall height (H)                          | 56 mm                             |
| Outer ring height (He)                      | 46 mm                             |
| Inner ring height (Hi)                      | 46 mm                             |
| MOUNTING                                    |                                   |
| Outer ring bolt circle (La)                 | 820 mm                            |
| Inner ring bolt circle (Li)                 | 662 mm                            |
| Outer ring mounting-hole count (ne)         | 16                                |
| Inner ring mounting-hole count (ni)         | 20                                |
| Outer ring mounting-hole specification (de) | 18 mm                             |
| Inner ring mounting-hole specification (di) | 18 mm                             |
| MISCELLANEOUS                               |                                   |
| Raceway Pitch Diameter (DL)                 | 744 mm                            |
| Lubrication Zerk Count (G)                  | 4                                 |
| MOUNTING INTERFACES                         |                                   |
| Outer ring mounting                         | 16 holes - de 18 mm               |
| Inner ring mounting                         | 20 holes - di 18 mm               |
| GEAR INTERFACE                              |                                   |
| Integral gear                               | Not applicable - ungeared bearing |

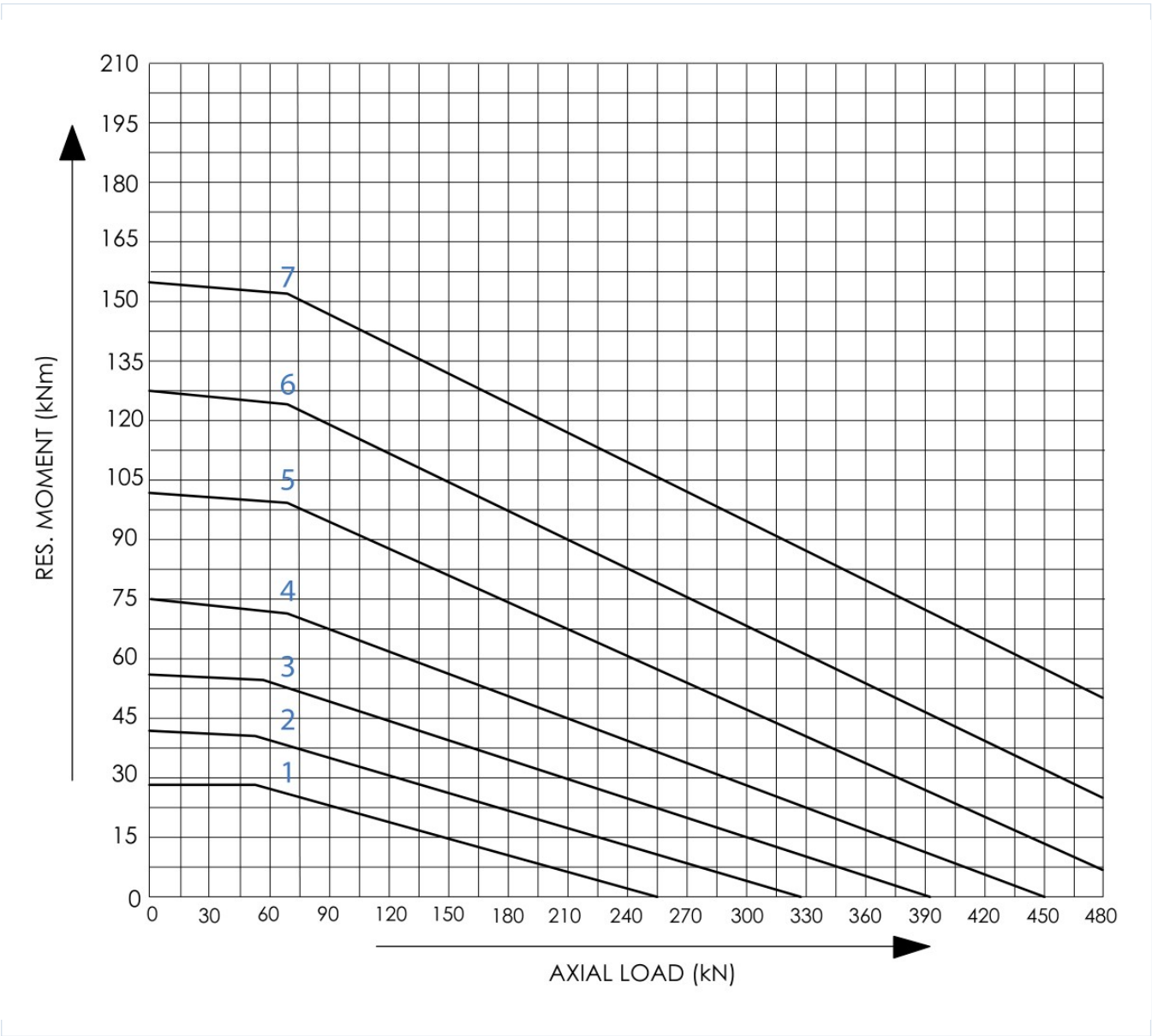
Complete Product Data

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       |                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------|
| Source document code      | TIBET_MAKINA_2015_CATALOG                                                                                        |
| Source file               | tibet_makina_2015.pdf                                                                                            |
| PDF page                  | 33                                                                                                               |
| Printed page              | 33                                                                                                               |
| Source language           | TR-EN                                                                                                            |
| Original unit system      | Metric                                                                                                           |
| PUBLISHED TECHNICAL MEDIA |                                                                                                                  |
| Load Curve Chart          | I_ungeared-static-load-curve.webp   SHA-256:<br>0674a03d68c9e322cf0eb5b07a69f398b42b2155aac5cb1e4d31b44cc7c58030 |
| Outline Drawing           | I_ungeared-drawing.webp   SHA-256:<br>b71fc8f2be30928374664ec6615052238bf312fe86a1c5eca0346ed63b384d6e           |

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.



I\_ungearred-static-load-curve.webp | SHA-256: 0674a03d68c9e322cf0eb5b07a69f398b42b2155aac5cb1e4d31b44cc7c58030

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****WY6TH6G5RO2XWSE6FJC6D2SW3U****SOURCE DOCUMENT****TIBET\_MAKINA\_2015\_CATALOG****SOURCE FILE****tibet\_makina\_2015.pdf****SOURCE LOCATION****PDF page 33 | Printed page 33****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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