

Factory-Verified Replacement

MERYDOM 0855I-12B-200

Certified for interchange with Tibet Makina 0855I-12B-200. 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

0855I-12B-200

REFERENCE

Tibet Makina 0855I-12B-200

SERIES

DOUBLE\_ROW\_BALL\_INTERNAL Series

STRUCTURE

Cuscinetto a sfere a due corone

OVERALL OD

980 mm

OVERALL ID

752 mm

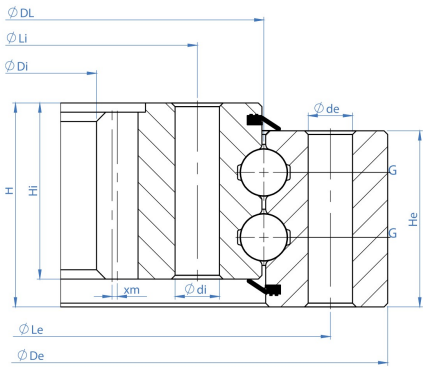
OVERALL HEIGHT

97 mm

GEAR

Dentatura interna

Published Technical Drawing



double\_row\_ball\_internal-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                        | 0855I-12B-200                          |
| Certified interchangeable with       | Tibet Makina 0855I-12B-200             |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | X6T74XEVGDSGX5LFU4JMZUWSJ              |
| 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                     | DOUBLE_ROW_BALL_INTERNAL Series        |
| Reference model                      | 0855I-12B-200                          |
| Bearing structure                    | Cuscinetto a sfere a due corone        |
| Gear arrangement                     | Dentatura interna                      |
| DIMENSION                            |                                        |
| Mass (Kg)                            | 180 kg                                 |
| Overall outside diameter (De)        | 980 mm                                 |
| Overall inside diameter (Di)         | 752 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)                          | 97 mm                                                      |
| Outer ring height (He)                      | 88 mm                                                      |
| Inner ring height (Hi)                      | 88 mm                                                      |
| MOUNTING                                    |                                                            |
| Outer ring bolt circle (Le)                 | 944 mm                                                     |
| Inner ring bolt circle (Li)                 | 826 mm                                                     |
| Outer ring mounting-hole count (ne)         | 36                                                         |
| Inner ring mounting-hole count (ni)         | 36                                                         |
| Outer ring mounting-hole specification (de) | 21 mm                                                      |
| Inner ring mounting-hole specification (di) | 21 mm                                                      |
| GEAR                                        |                                                            |
| Gear module (m)                             | 8 mm                                                       |
| Gear tooth count (z)                        | 96                                                         |
| PERFORMANCE                                 |                                                            |
| Normal tooth force (Ft_normal)              | 58 kN                                                      |
| Maximum tooth force (Ft_max)                | 116 kN                                                     |
| MISCELLANEOUS                               |                                                            |
| Raceway Pitch Diameter (DL)                 | 885 mm                                                     |
| Lubrication Zerk Count (G)                  | 4                                                          |
| PERFORMANCE RATINGS                         |                                                            |
| Rating Tooth Force Normal                   | 58 kN   Not simultaneous with other listed dynamic ratings |

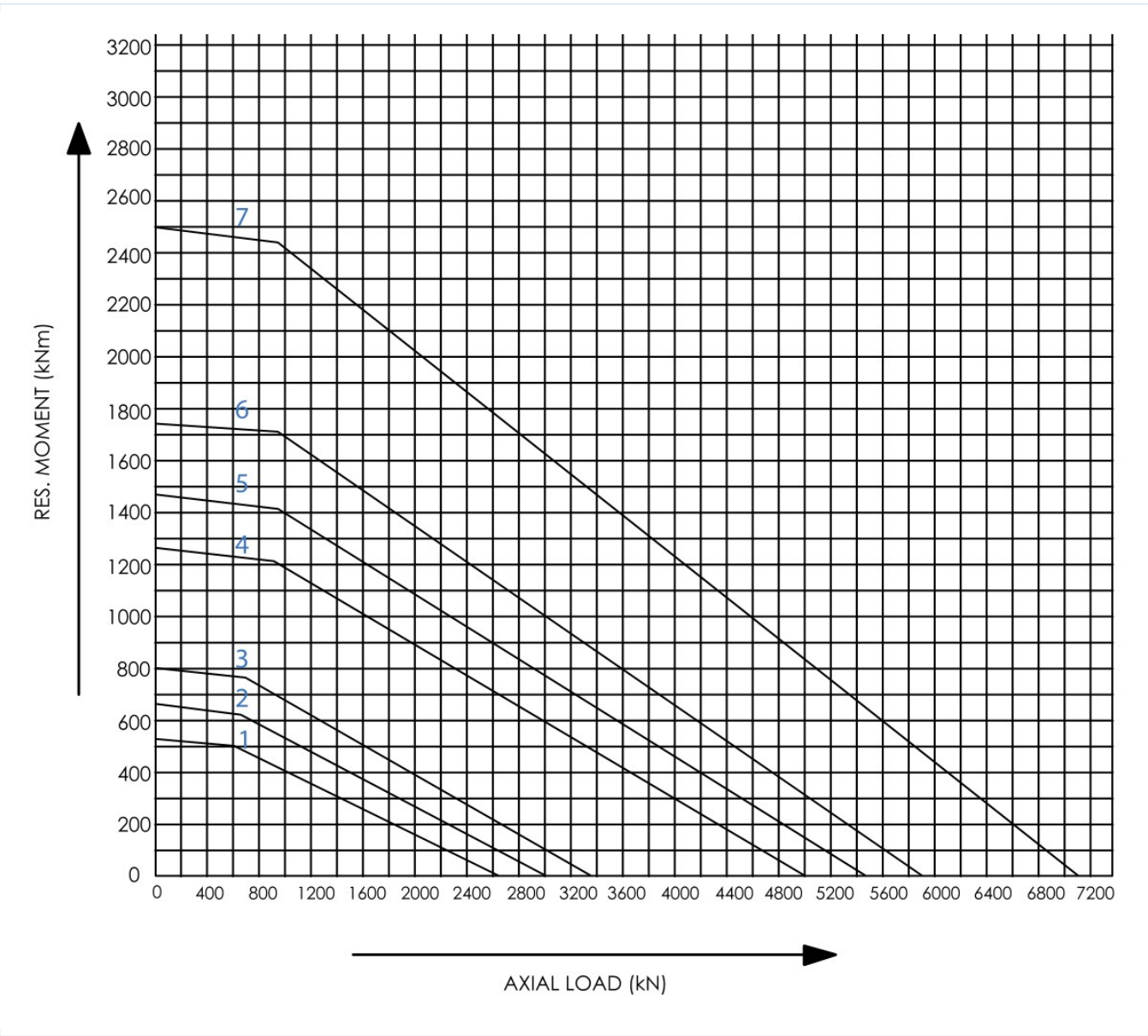
Complete Product Data

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

| PERFORMANCE RATINGS (CONTINUED) |                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Rating Tooth Force Max          | 116 kN   Not simultaneous with other listed dynamic ratings                                                                    |
| MOUNTING INTERFACES             |                                                                                                                                |
| Outer ring mounting             | 36 holes - de 21 mm                                                                                                            |
| Inner ring mounting             | 36 holes - di 21 mm                                                                                                            |
| GEAR INTERFACE                  |                                                                                                                                |
| Pitch system                    | module                                                                                                                         |
| Module reference                | 8 mm                                                                                                                           |
| Number of teeth                 | 96                                                                                                                             |
| SOURCE TRACEABILITY             |                                                                                                                                |
| Source document code            | TIBET_MAKINA_2015_CATALOG                                                                                                      |
| Source file                     | tibet_makina_2015.pdf                                                                                                          |
| PDF page                        | 43                                                                                                                             |
| Printed page                    | 43                                                                                                                             |
| Source language                 | TR-EN                                                                                                                          |
| Original unit system            | Metric                                                                                                                         |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                                                |
| Load Curve Chart                | double_row_ball_internal-static-load-curve.webp   SHA-256:<br>e47a0610ee1623aed5cf4cbad71ef922912a8573c68b591483dac31ce968ad0d |
| Outline Drawing                 | double_row_ball_internal-drawing.webp   SHA-256:<br>40e4cecef89ad40d0f86f78bce0f6f572279c5a4d7b10f4480424d33c3a70350           |

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.



double\_row\_ball\_internal-static-load-curve.webp | SHA-256:  
e47a0610ee1623aed5cf4cbad71ef922912a8573c68b591483dac31ce968ad0d

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>X6T74XEVGDSCGX5LFU4JMZUWSJ</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 43   Printed page 43</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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/tibet-makina/0855i-12b-200/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.