

Factory-Verified Replacement

MERYDOM E.1000.25.00.B

Certified for interchange with Torriani Gianni E.1000.25.00.B. 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  
**E.1000.25.00.B**

REFERENCE  
**Torriani Gianni E.1000.25.00.B**

SERIES  
**E\_25\_B Series**

STRUCTURE  
**Esferas de contato de quatro pontos**

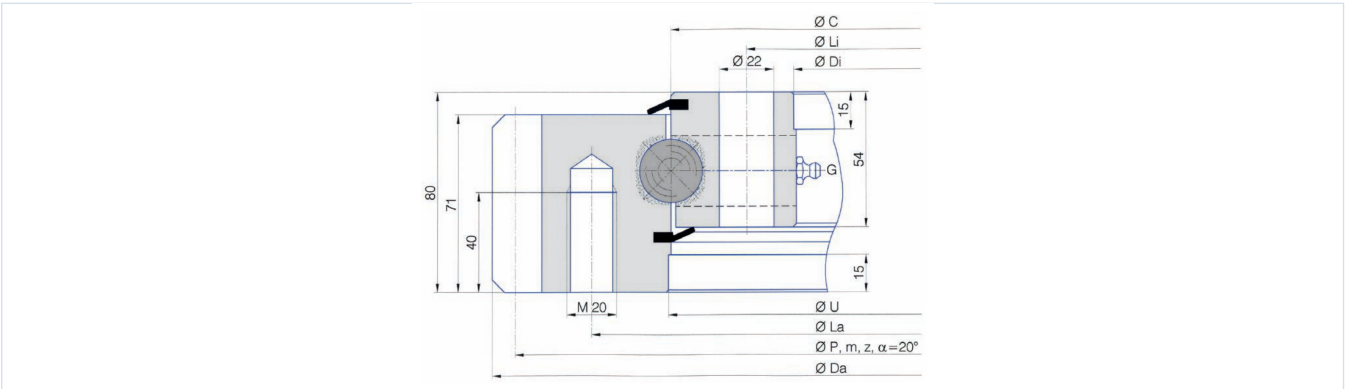
OVERALL OD  
**997 mm**

OVERALL ID  
**757 mm**

OVERALL HEIGHT  
**mm**

GEAR  
**Engrenagem externa**

Published Technical Drawing



e\_25\_b-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                        | E.1000.25.00.B                         |
| Certified interchangeable with       | Torriani Gianni E.1000.25.00.B         |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | CUNO64RUYNSPDVHFZP2W3QVJF2             |
| MATERIALS                            |                                        |
| Configurable ring material options   | 42CrMo / 50Mn                          |
| Seal material                        | NBR - Nitrile rubber                   |
| Configurable spacer material options | Engineering nylon / Brass              |
| IDENTIFICATION                       |                                        |
| Reference brand                      | Torriani Gianni                        |
| Reference series                     | E_25_B Series                          |
| Reference model                      | E.1000.25.00.B                         |
| Bearing structure                    | Esferas de contato de quatro pontos    |
| Gear arrangement                     | Engrenagem externa                     |
| DIMENSION                            |                                        |
| Overall outside diameter (Da)        | 997 mm                                 |
| Torriani catalogue dimension U (U)   | 855 mm                                 |
| Torriani catalogue dimension C (C)   | 854 mm                                 |

# Complete Product Data

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| DIMENSION (CONTINUED)               |                                                              |
|-------------------------------------|--------------------------------------------------------------|
| Overall inside diameter (Di)        | 757 mm                                                       |
| Mass (Kg)                           | 145 kg                                                       |
| MOUNTING                            |                                                              |
| Outer ring bolt circle (La)         | 916 mm                                                       |
| Outer ring mounting-hole count (na) | 28                                                           |
| Inner ring bolt circle (Li)         | 795 mm                                                       |
| Inner ring mounting-hole count (ni) | 28                                                           |
| GEAR                                |                                                              |
| Gear pitch diameter (P)             | 981 mm                                                       |
| Gear module (m)                     | 9 mm                                                         |
| Gear tooth count (z)                | 109                                                          |
| PERFORMANCE                         |                                                              |
| Normal tooth force (Fz_normal)      | 34,1 kN                                                      |
| Maximum tooth force (Fz_max)        | 68,2 kN                                                      |
| PERFORMANCE RATINGS                 |                                                              |
| Rating Tooth Force Normal           | 34,1 kN   Not simultaneous with other listed dynamic ratings |
| Rating Tooth Force Max              | 68,2 kN   Not simultaneous with other listed dynamic ratings |
| MOUNTING INTERFACES                 |                                                              |
| Outer ring mounting                 | 28 holes -                                                   |
| Inner ring mounting                 | 28 holes -                                                   |

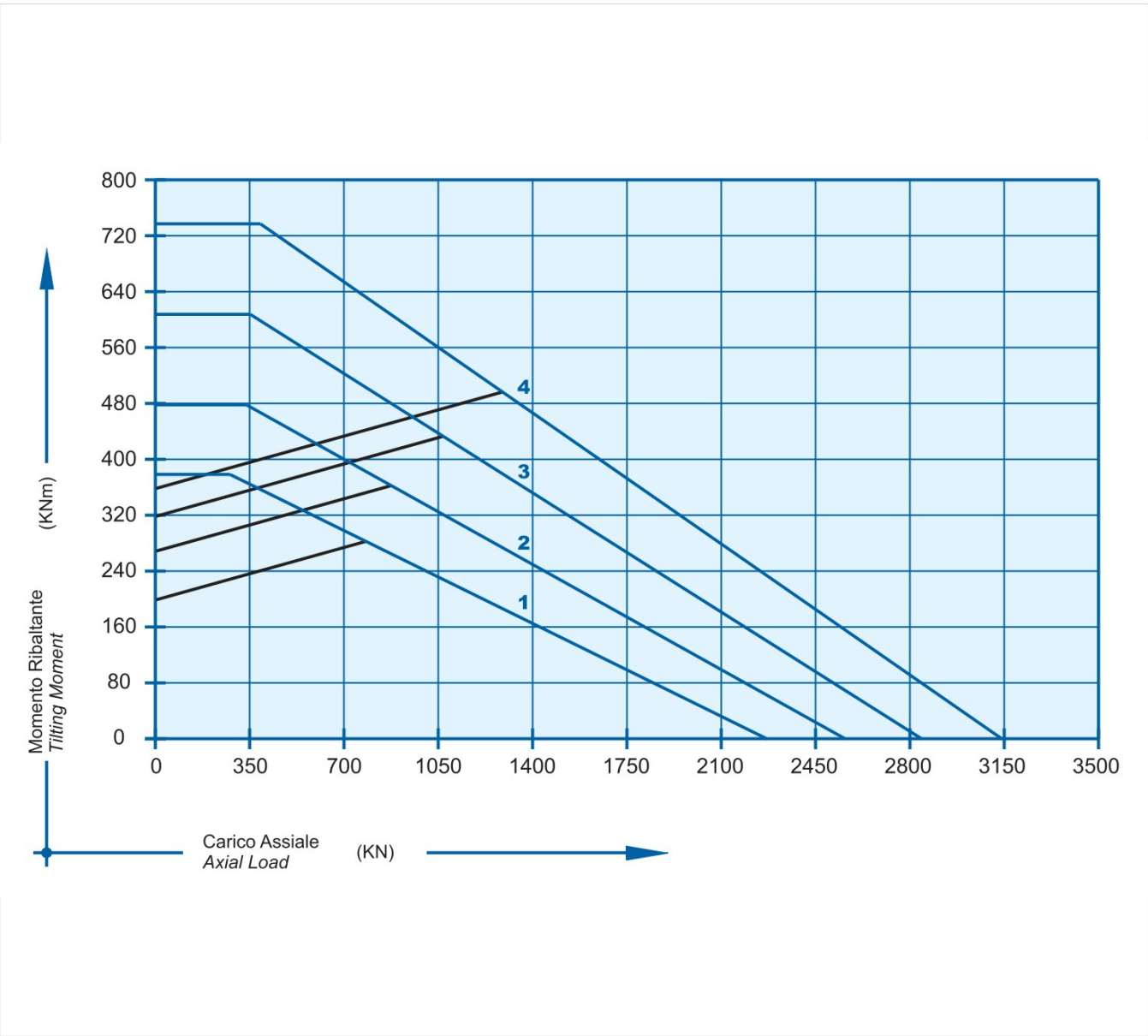
## Complete Product Data

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| GEAR INTERFACE            |                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------|
| Pitch system              | module                                                                                                       |
| Module reference          | 9 mm                                                                                                         |
| Number of teeth           | 109                                                                                                          |
| SOURCE TRACEABILITY       |                                                                                                              |
| Source document code      | TORRIANI_GIANNI_BALL_BEARINGS_CATALOG                                                                        |
| Source file               | catalogo-torriani-cuscinetti-a-sfere.pdf                                                                     |
| PDF page                  | 19                                                                                                           |
| Printed page              | 19                                                                                                           |
| Source language           | IT-EN                                                                                                        |
| Original unit system      | Metric                                                                                                       |
| PUBLISHED TECHNICAL MEDIA |                                                                                                              |
| Load Curve Chart          | e_25_b-static-load-curve.webp   SHA-256:<br>01ceb7c208ec4c98d4843c95a14923931523ac722674199a725dfcd796df1642 |
| Outline Drawing           | e_25_b-drawing.webp   SHA-256:<br>cd9f35db3e750b5871455739f756f96c41cf63e1ad27dd1ee13d013a358f2436           |

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.



e\_25\_b-static-load-curve.webp | SHA-256: 01ceb7c208ec4c98d4843c95a14923931523ac722674199a725dfcd796df1642

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

CUNO64RUYNPDVHFZP2W3QVJF2

### SOURCE FILE

catalogo-torriani-cuscinetti-a-sfere  
.pdf

### VERIFICATION

Level 3 - MERYDOM Engineering  
Verified

### SOURCE DOCUMENT

TORRIANI\_GIANNI\_BALL\_BEARINGS\_CATALOG

### SOURCE LOCATION

PDF page 19 | Printed page 19

### 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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/pt/produtos/rolamentos-de-giro-de-substituicao/torriani-gianni/e-1000-25-00-b/>

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