

Factory-Verified Replacement

MERYDOM E.1200.2.25.00.D.1

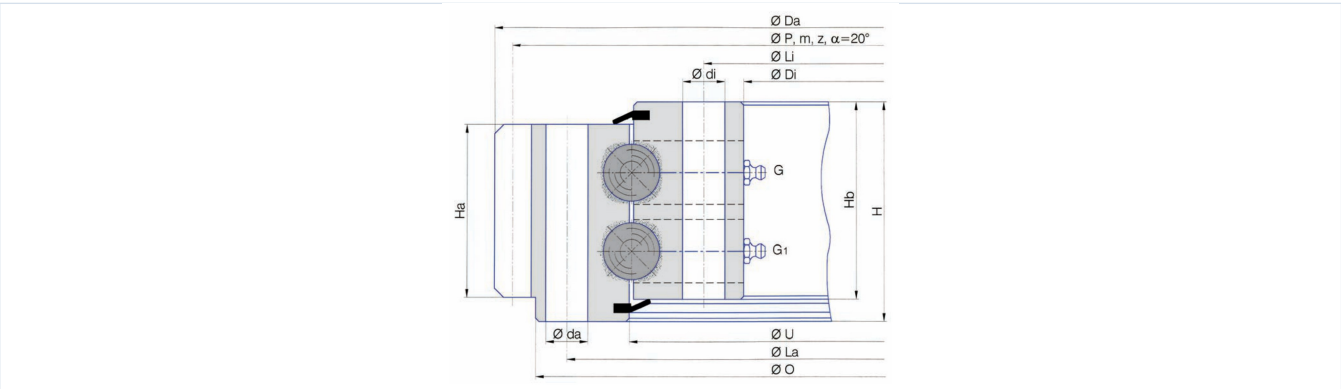
Certified for interchange with Torriani Gianni E.1200.2.25.00.D.1. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

**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                          |
| E.1200.2.25.00.D.1    | Torriani Gianni E.1200.2.25.00.D.1 |
| SERIES                | STRUCTURE                          |
| E_2_20_22_25_D Series | Four-point contact ball            |
| OVERALL OD            | OVERALL ID                         |
| 1,200 mm              | 976 mm                             |
| OVERALL HEIGHT        | GEAR                               |
| 98 mm                 | External gear                      |

Published Technical Drawing



e\_2\_20\_22\_25\_d-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.1200.2.25.00.D.1                     |
| Certified interchangeable with       | Torriani Gianni E.1200.2.25.00.D.1     |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | YKJCINIMPNQW6FZRJEVIMIPBRH             |
| 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_2_20_22_25_D Series                  |
| Reference model                      | E.1200.2.25.00.D.1                     |
| Bearing structure                    | Four-point contact ball                |
| Gear arrangement                     | External gear                          |
| DIMENSION                            |                                        |
| Overall outside diameter (Da)        | 1,200 mm                               |
| Torriani catalogue dimension U (U)   | 1,163 mm                               |
| Torriani catalogue dimension O (O)   | 1,079 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 inside diameter (Di)                | 976 mm   |
| Torriani catalogue dimension Ha (Ha)        | 77 mm    |
| Torriani catalogue dimension Hb (Hb)        | 88 mm    |
| Overall height (H)                          | 98 mm    |
| Mass (Kg)                                   | 210 kg   |
| MOUNTING                                    |          |
| Outer ring bolt circle (La)                 | 1,135 mm |
| Outer ring mounting-hole count (na)         | 36       |
| Outer ring mounting-hole specification (da) | 19 mm    |
| Inner ring bolt circle (Li)                 | 1,012 mm |
| Inner ring mounting-hole count (ni)         | 36       |
| Inner ring mounting-hole specification (di) | 19 mm    |
| GEAR                                        |          |
| Gear pitch diameter (P)                     | 1,184 mm |
| Gear module (m)                             | 8 mm     |
| Gear tooth count (z)                        | 148      |
| PERFORMANCE                                 |          |
| Normal tooth force (Fz_normal)              | 32 kN    |
| Maximum tooth force (Fz_max)                | 64 kN    |
| PERFORMANCE RATINGS                         |          |

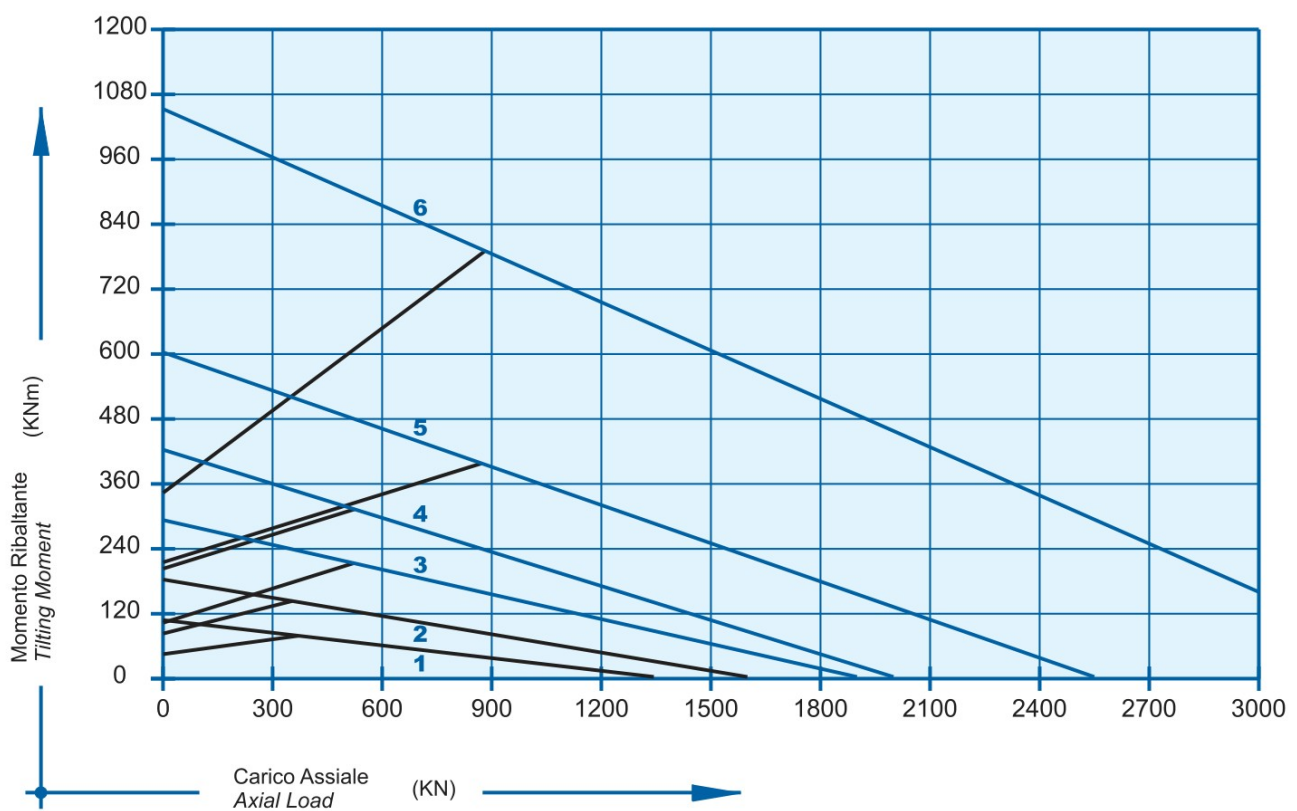
Complete Product Data

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| PERFORMANCE RATINGS (CONTINUED) |                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Rating Tooth Force Normal       | 32 kN   Not simultaneous with other listed dynamic ratings                                                           |
| Rating Tooth Force Max          | 64 kN   Not simultaneous with other listed dynamic ratings                                                           |
| MOUNTING INTERFACES             |                                                                                                                      |
| Outer ring mounting             | 36 holes - da 19 mm                                                                                                  |
| Inner ring mounting             | 36 holes - di 19 mm                                                                                                  |
| GEAR INTERFACE                  |                                                                                                                      |
| Pitch system                    | module                                                                                                               |
| Module reference                | 8 mm                                                                                                                 |
| Number of teeth                 | 148                                                                                                                  |
| SOURCE TRACEABILITY             |                                                                                                                      |
| Source document code            | TORRIANI_GIANNI_BALL_BEARINGS_CATALOG                                                                                |
| Source file                     | catalogo-torriani-cuscinetti-a-sfere.pdf                                                                             |
| PDF page                        | 25                                                                                                                   |
| Printed page                    | 25                                                                                                                   |
| Source language                 | IT-EN                                                                                                                |
| Original unit system            | Metric                                                                                                               |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                                      |
| Load Curve Chart                | e_2_20_22_25_d-static-load-curve.webp   SHA-256:<br>168c0de0d6480888146a14da7726693e41f1694e1108110070b74bb1b81330f2 |
| Outline Drawing                 | e_2_20_22_25_d-drawing.webp   SHA-256:<br>8a0b8d9737e1e00ce011f1d4807a875c21d76a93e09826f00cbc218e71eff044           |

## 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\_2\_20\_22\_25\_d-static-load-curve.webp | SHA-256:  
168c0de0d6480888146a14da7726693e41f1694e1108110070b74bb1b81330f2

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

YKJCINIMPNQW6FZRJEVIMIPBRH

### 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 25 | Printed page 25

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

Product page: <https://rotnex.com/products/slewing-bearing-replacements/torriani-gianni/e-1200-2-25-00-d-1/>

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