

Factory-Verified Replacement

MERYDOM I.2025.50.15.D.1-R

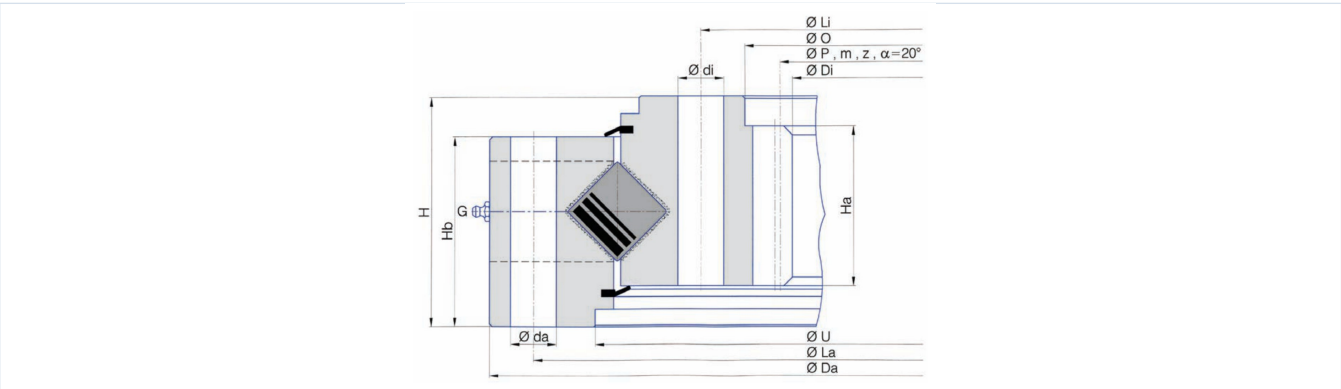
Certified for interchange with Torriani Gianni I.2025.50.15.D.1-R. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

**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                           |
| I.2025.50.15.D.1-R       | Torriani Gianni I.2025.50.15.D.1-R  |
| SERIES                   | STRUCTURE                           |
| I_25_30_40_50_D_R Series | Esferas de contato de quatro pontos |
| OVERALL OD               | OVERALL ID                          |
| 2,025 mm                 | 1,619 mm                            |
| OVERALL HEIGHT           | GEAR                                |
| 140 mm                   | Engrenagem interna                  |

Published Technical Drawing



i\_25\_30\_40\_50\_d\_r-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                        | I.2025.50.15.D.1-R                     |
| Certified interchangeable with       | Torriani Gianni I.2025.50.15.D.1-R     |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | OOU5HJEU5X3H2YTH3HM3OWDZUR             |
| 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                     | I_25_30_40_50_D_R Series               |
| Reference model                      | I.2025.50.15.D.1-R                     |
| Bearing structure                    | Esferas de contato de quatro pontos    |
| Gear arrangement                     | Engrenagem interna                     |
| DIMENSION                            |                                        |
| Overall outside diameter (Da)        | 2.025 mm                               |
| Torriani catalogue dimension U (U)   | 1.863 mm                               |
| Torriani catalogue dimension O (O)   | 1.695 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)                | 1.619 mm |
| Torriani catalogue dimension Ha (Ha)        | 115 mm   |
| Torriani catalogue dimension Hb (Hb)        | 118 mm   |
| Overall height (H)                          | 140 mm   |
| Mass (Kg)                                   | 960 kg   |
| MOUNTING                                    |          |
| Outer ring bolt circle (La)                 | 1.970 mm |
| Outer ring mounting-hole count (na)         | 36       |
| Outer ring mounting-hole specification (da) | 30 mm    |
| Inner ring bolt circle (Li)                 | 1.760 mm |
| Inner ring mounting-hole count (ni)         | 36       |
| Inner ring mounting-hole specification (di) | 30 mm    |
| GEAR                                        |          |
| Gear pitch diameter (P)                     | 1.616 mm |
| Gear module (m)                             | 16 mm    |
| Gear tooth count (z)                        | 101      |
| PERFORMANCE                                 |          |
| Normal tooth force (Fz_normal)              | 135 kN   |
| Maximum tooth force (Fz_max)                | 270 kN   |
| PERFORMANCE RATINGS                         |          |

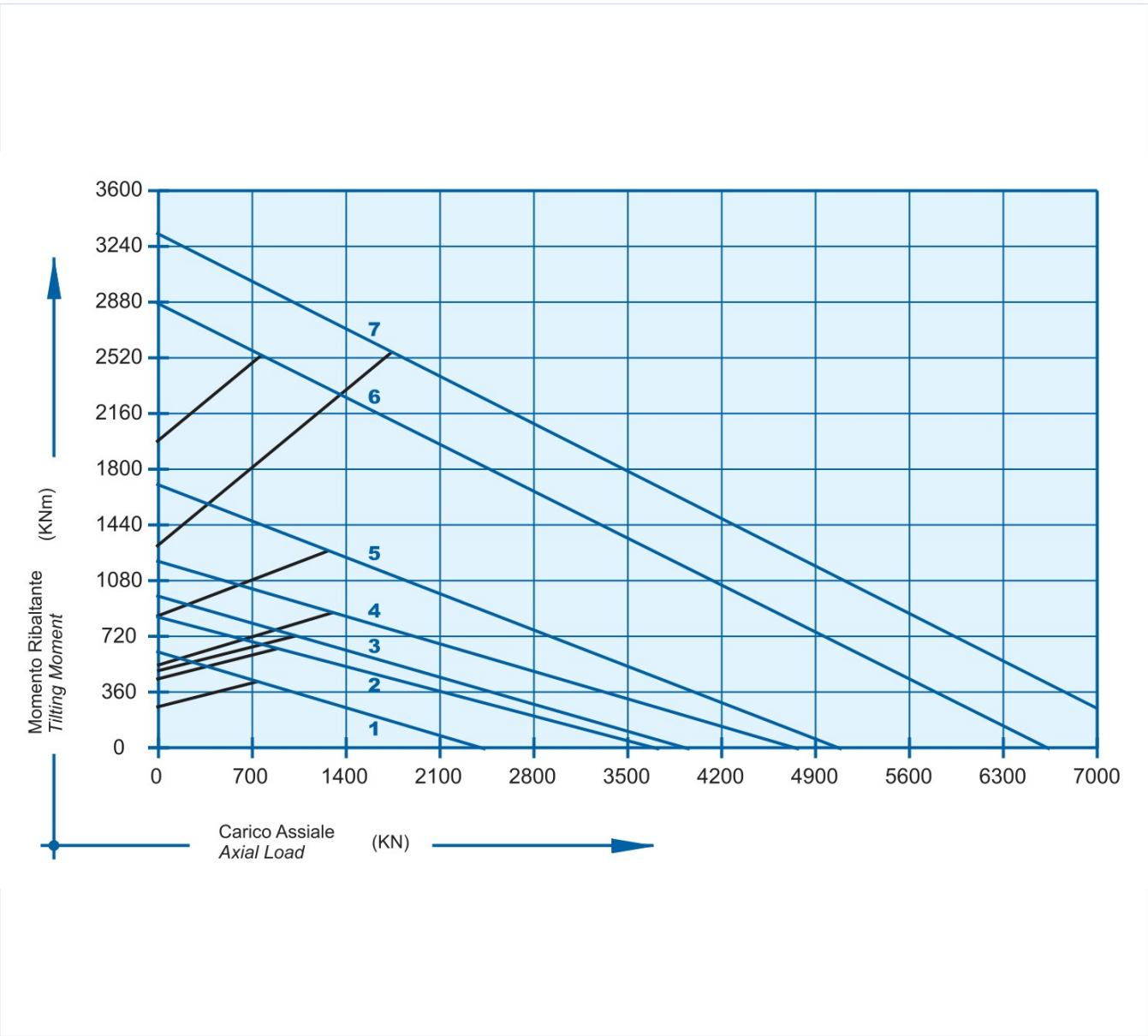
Complete Product Data

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| PERFORMANCE RATINGS (CONTINUED) |                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Rating Tooth Force Normal       | 135 kN   Not simultaneous with other listed dynamic ratings                                                          |
| Rating Tooth Force Max          | 270 kN   Not simultaneous with other listed dynamic ratings                                                          |
| MOUNTING INTERFACES             |                                                                                                                      |
| Outer ring mounting             | 36 holes - da 30 mm                                                                                                  |
| Inner ring mounting             | 36 holes - di 30 mm                                                                                                  |
| GEAR INTERFACE                  |                                                                                                                      |
| Pitch system                    | module                                                                                                               |
| Module reference                | 16 mm                                                                                                                |
| Number of teeth                 | 101                                                                                                                  |
| SOURCE TRACEABILITY             |                                                                                                                      |
| Source document code            | TORRIANI_GIANNI_BALL_BEARINGS_CATALOG                                                                                |
| Source file                     | catalogo-torriani-cuscinetti-a-sfere.pdf                                                                             |
| PDF page                        | 17                                                                                                                   |
| Printed page                    | 17                                                                                                                   |
| Source language                 | IT-EN                                                                                                                |
| Original unit system            | Metric                                                                                                               |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                                      |
| Load Curve Chart                | i_25_30_40_50_d_r-static-load-curve.webp   SHA-256: 66b906cb4198099bfb534842664bb40fee555f3fe57d77dac389594e92c472fc |
| Outline Drawing                 | i_25_30_40_50_d_r-drawing.webp   SHA-256: 36467aaddab979d0f7c3d120cef188a0a9f16153afd23a8244155cd45881c50e           |

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\_25\_30\_40\_50\_d\_r-static-load-curve.webp | SHA-256:  
66b906cb4198099bfb534842664bb40fee555f3fe57d77dac389594e92c472fc

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

OUO5HJEU5X3H2YTH3HM3OWDZUR

### 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 17 | Printed page 17

### 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/i-2025-50-15-d-1-r/>

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