

Factory-Verified Replacement

MERYDOM I.1346.2.30.05.D.6

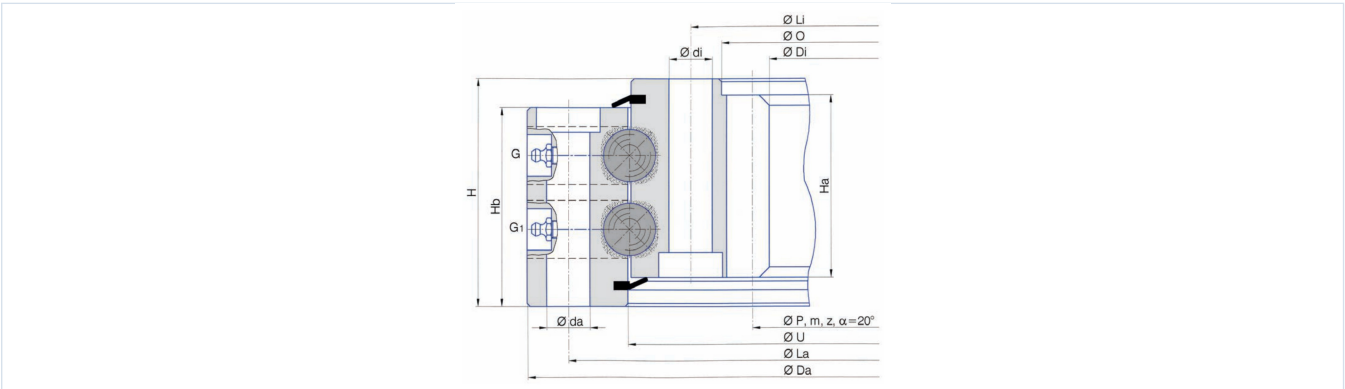
Certified for interchange with Torriani Gianni I.1346.2.30.05.D.6. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

**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.1346.2.30.05.D.6    | Torriani Gianni I.1346.2.30.05.D.6 |
| SERIES                | STRUCTURE                          |
| I_2_22_25_30_D Series | Four-point contact ball            |
| OVERALL OD            | OVERALL ID                         |
| 1,345 mm              | 1,061.6 mm                         |
| OVERALL HEIGHT        | GEAR                               |
| 108 mm                | Internal gear                      |

Published Technical Drawing



i\_2\_22\_25\_30\_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                        | I.1346.2.30.05.D.6                     |
| Certified interchangeable with       | Torriani Gianni I.1346.2.30.05.D.6     |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | WNUDMWSQY3EH3XANBSAPPRCEAE             |
| 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_2_22_25_30_D Series                  |
| Reference model                      | I.1346.2.30.05.D.6                     |
| Bearing structure                    | Four-point contact ball                |
| Gear arrangement                     | Internal gear                          |
| DIMENSION                            |                                        |
| Overall outside diameter (Da)        | 1,345 mm                               |
| Torriani catalogue dimension U (U)   | 1,225 mm                               |
| Torriani catalogue dimension O (O)   | 1,115 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)                | 1,061.6 mm |
| Torriani catalogue dimension Ha (Ha)        | 88 mm      |
| Torriani catalogue dimension Hb (Hb)        | 98 mm      |
| Overall height (H)                          | 108 mm     |
| Mass (Kg)                                   | 326 kg     |
| MOUNTING                                    |            |
| Outer ring bolt circle (La)                 | 1,290 mm   |
| Outer ring mounting-hole count (na)         | 48         |
| Outer ring mounting-hole specification (da) | 21 mm      |
| Inner ring bolt circle (Li)                 | 1,150 mm   |
| Inner ring mounting-hole count (ni)         | 48         |
| Inner ring mounting-hole specification (di) | 21 mm      |
| GEAR                                        |            |
| Gear pitch diameter (P)                     | 1,080 mm   |
| Gear module (m)                             | 10 mm      |
| Gear tooth count (z)                        | 108        |
| PERFORMANCE                                 |            |
| Normal tooth force (Fz_normal)              | 68.9 kN    |
| Maximum tooth force (Fz_max)                | 137.8 kN   |
| PERFORMANCE RATINGS                         |            |

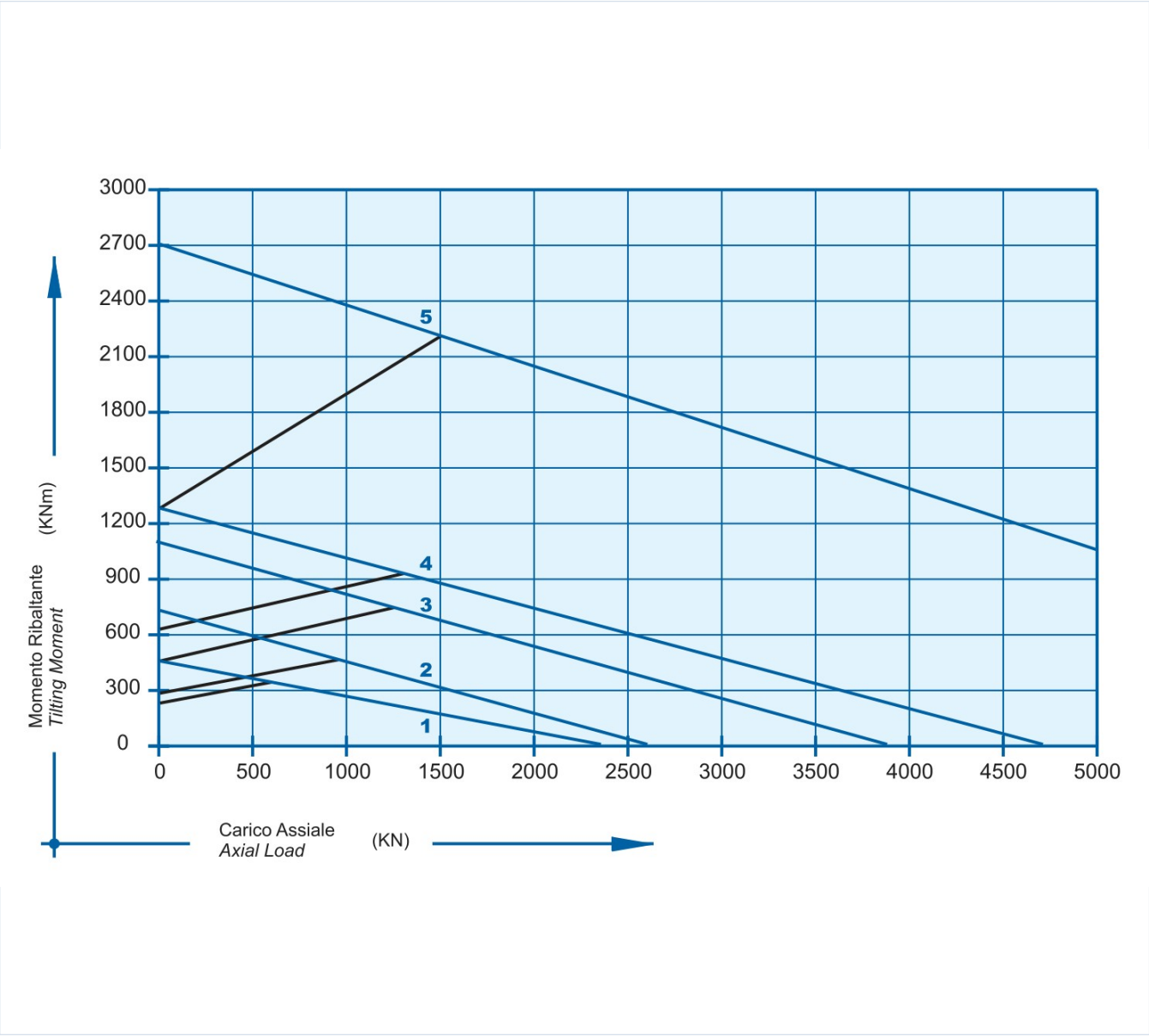
Complete Product Data

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 Normal       | 68.9 kN   Not simultaneous with other listed dynamic ratings                                                         |
| Rating Tooth Force Max          | 137.8 kN   Not simultaneous with other listed dynamic ratings                                                        |
| MOUNTING INTERFACES             |                                                                                                                      |
| Outer ring mounting             | 48 holes - da 21 mm                                                                                                  |
| Inner ring mounting             | 48 holes - di 21 mm                                                                                                  |
| GEAR INTERFACE                  |                                                                                                                      |
| Pitch system                    | module                                                                                                               |
| Module reference                | 10 mm                                                                                                                |
| Number of teeth                 | 108                                                                                                                  |
| SOURCE TRACEABILITY             |                                                                                                                      |
| Source document code            | TORRIANI_GIANNI_BALL_BEARINGS_CATALOG                                                                                |
| Source file                     | catalogo-torriani-cuscinetti-a-sfere.pdf                                                                             |
| PDF page                        | 16                                                                                                                   |
| Printed page                    | 16                                                                                                                   |
| Source language                 | IT-EN                                                                                                                |
| Original unit system            | Metric                                                                                                               |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                                      |
| Load Curve Chart                | i_2_22_25_30_d-static-load-curve.webp   SHA-256:<br>8a929693c5c5c9cf294f6df95dbe58bb77a84200cdd4521b9927f710b09d6aeb |
| Outline Drawing                 | i_2_22_25_30_d-drawing.webp   SHA-256:<br>50febd277ba0f94457fcc735ae6216caf2ea0011c4de8a6d445db79abe9694b5           |

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\_2\_22\_25\_30\_d-static-load-curve.webp | SHA-256:  
8a929693c5c9cf294f6df95dbe58bb77a84200cdd4521b9927f710b09d6aeb

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>WNUDMWSQY3EH3XANBSAPPRCEAE</div>         | <div>SOURCE DOCUMENT</div> <div>TORRIANI_GIANNI_BALL_BEARINGS_CATALOG</div> |
| <div>SOURCE FILE</div> <div>catalogo-torriani-cuscinetti-a-sfere.pdf</div> | <div>SOURCE LOCATION</div> <div>PDF page 16   Printed page 16</div>         |
| <div>VERIFICATION</div> <div>Level 3 - MERYDOM Engineering 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/products/slewing-bearing-replacements/torriani-gianni/i-1346-2-30-05-d-6/>

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.