

Factory-Verified Replacement

MERYDOM I.1000.2.20.00.A

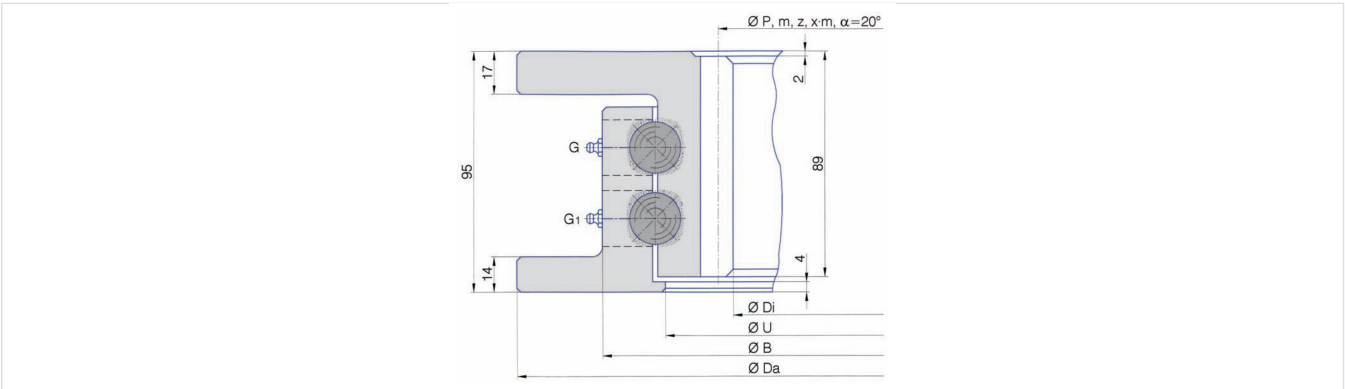
Certified for interchange with Torriani Gianni I.1000.2.20.00.A. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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.1000.2.20.00.A | Torriani Gianni I.1000.2.20.00.A |
| SERIES           | STRUCTURE                        |
| I_2_20_A Series  | D rt nokta temasl bilyal         |
| OVERALL OD       | OVERALL ID                       |
| 1,000 mm         | 831 mm                           |
| OVERALL HEIGHT   | GEAR                             |
| mm               | ten di li                        |

Published Technical Drawing



i\_2\_20\_a-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.1000.2.20.00.A                       |
| Certified interchangeable with       | Torriani Gianni I.1000.2.20.00.A       |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | TNJI7TZH7OQSAR225NZOVFTQCQ             |
| 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_20_A Series                        |
| Reference model                      | I.1000.2.20.00.A                       |
| Bearing structure                    | D rt nokta temasl bilyal               |
| Gear arrangement                     | ten di li                              |
| DIMENSION                            |                                        |
| Overall outside diameter (Da)        | 1 000 mm                               |
| Torriani catalogue dimension B (B)   | 934 mm                                 |
| Torriani catalogue dimension U (U)   | 884 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)           | 831 mm                                                       |
| Mass (Kg)                              | 102 kg                                                       |
| GEAR                                   |                                                              |
| Gear pitch diameter (P)                | 840 mm                                                       |
| Gear module (m)                        | 6 mm                                                         |
| Gear tooth count (z)                   | 140                                                          |
| Addendum modification product x*m (xm) | -1 mm                                                        |
| PERFORMANCE                            |                                                              |
| Normal tooth force (Fz_normal)         | 20,3 kN                                                      |
| Maximum tooth force (Fz_max)           | 40,6 kN                                                      |
| PERFORMANCE RATINGS                    |                                                              |
| Rating Tooth Force Normal              | 20,3 kN   Not simultaneous with other listed dynamic ratings |
| Rating Tooth Force Max                 | 40,6 kN   Not simultaneous with other listed dynamic ratings |
| MOUNTING INTERFACES                    |                                                              |
| Outer ring mounting                    | holes -                                                      |
| Inner ring mounting                    | holes -                                                      |
| GEAR INTERFACE                         |                                                              |
| Pitch system                           | module                                                       |
| Module reference                       | 6 mm                                                         |
| Number of teeth                        | 140                                                          |

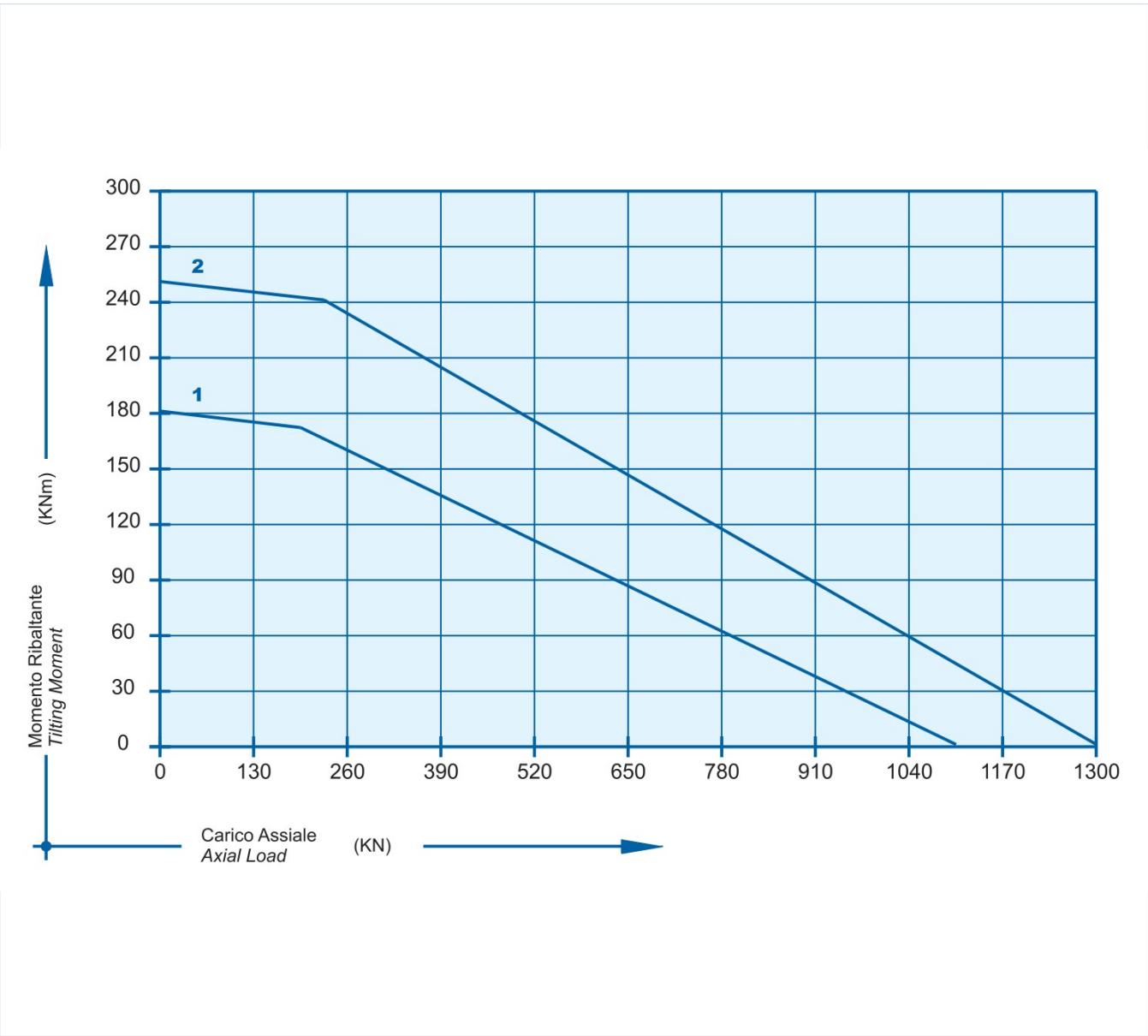
Complete Product Data

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

| SOURCE TRACEABILITY       |                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------|
| Source document code      | TORRIANI_GIANNI_BALL_BEARINGS_CATALOG                                                                          |
| Source file               | catalogo-torriani-cuscinetti-a-sfere.pdf                                                                       |
| PDF page                  | 8                                                                                                              |
| Printed page              | 8                                                                                                              |
| Source language           | IT-EN                                                                                                          |
| Original unit system      | Metric                                                                                                         |
| PUBLISHED TECHNICAL MEDIA |                                                                                                                |
| Load Curve Chart          | i_2_20_a-static-load-curve.webp   SHA-256:<br>9a2909ee70b26884eff04424a1e5a733052bdc07f2bc276d283aa64cf4ee13c0 |
| Outline Drawing           | i_2_20_a-drawing.webp   SHA-256:<br>d0958737b36d674090bc92ce56847a233ffab8970183f00d14b24e09855648da           |

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\_20\_a-static-load-curve.webp | SHA-256: 9a2909ee70b26884eff04424a1e5a733052bdc07f2bc276d283aa64cf4ee13c0

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

TNJI7TZH7OQSAR225NZOVFTQCQ

### 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 8 | Printed page 8

### 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/tr/urunler/muadil-doner-tabla-rulmanlari/torriani-gianni/i-1000-2-20-00-a/>

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