

Factory-Verified Replacement

MERYDOM I.880.22.00.A

Certified for interchange with Torriani Gianni I.880.22.00.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

I.880.22.00.A

REFERENCE

Torriani Gianni I.880.22.00.A

SERIES

I\_22\_A Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

879 mm

OVERALL ID

708 mm

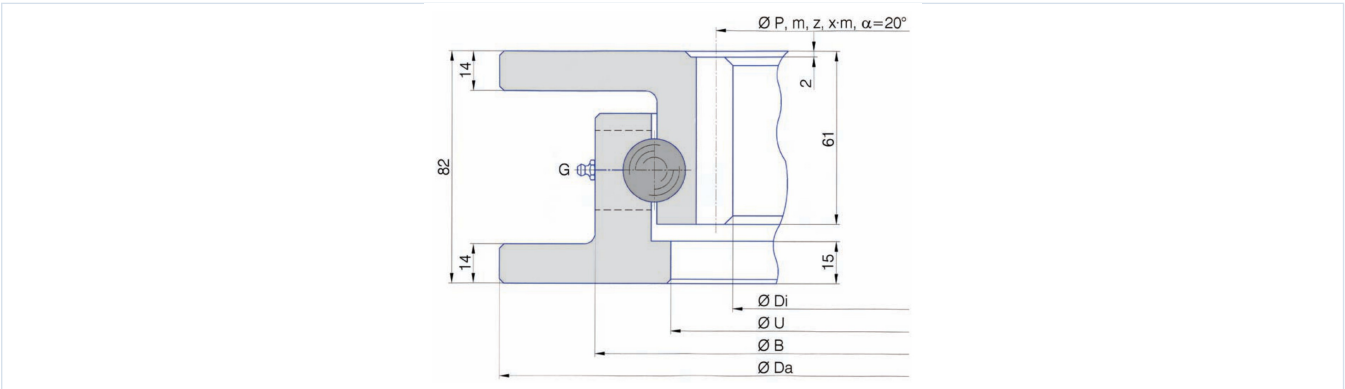
OVERALL HEIGHT

mm

GEAR

Dentatura interna

Published Technical Drawing



i\_22\_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.880.22.00.A                          |
| Certified interchangeable with       | Torriani Gianni I.880.22.00.A          |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | 7F46EDHPEITUEQQP54HAY3EMPG             |
| 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_22_A Series                          |
| Reference model                      | I.880.22.00.A                          |
| Bearing structure                    | Sfere a quattro punti di contatto      |
| Gear arrangement                     | Dentatura interna                      |
| DIMENSION                            |                                        |
| Overall outside diameter (Da)        | 879 mm                                 |
| Torriani catalogue dimension B (B)   | 811 mm                                 |
| Torriani catalogue dimension U (U)   | 759 mm                                 |

Complete Product Data

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| DIMENSION (CONTINUED)          |                                                              |
|--------------------------------|--------------------------------------------------------------|
| Overall inside diameter (Di)   | 708 mm                                                       |
| Mass (Kg)                      | 75 kg                                                        |
| GEAR                           |                                                              |
| Gear pitch diameter (P)        | 720 mm                                                       |
| Gear module (m)                | 6 mm                                                         |
| Gear tooth count (z)           | 120                                                          |
| PERFORMANCE                    |                                                              |
| Normal tooth force (Fz_normal) | 16,3 kN                                                      |
| Maximum tooth force (Fz_max)   | 32,6 kN                                                      |
| PERFORMANCE RATINGS            |                                                              |
| Rating Tooth Force Normal      | 16,3 kN   Not simultaneous with other listed dynamic ratings |
| Rating Tooth Force Max         | 32,6 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                | 120                                                          |
| SOURCE TRACEABILITY            |                                                              |
| Source document code           | TORRIANI_GIANNI_BALL_BEARINGS_CATALOG                        |

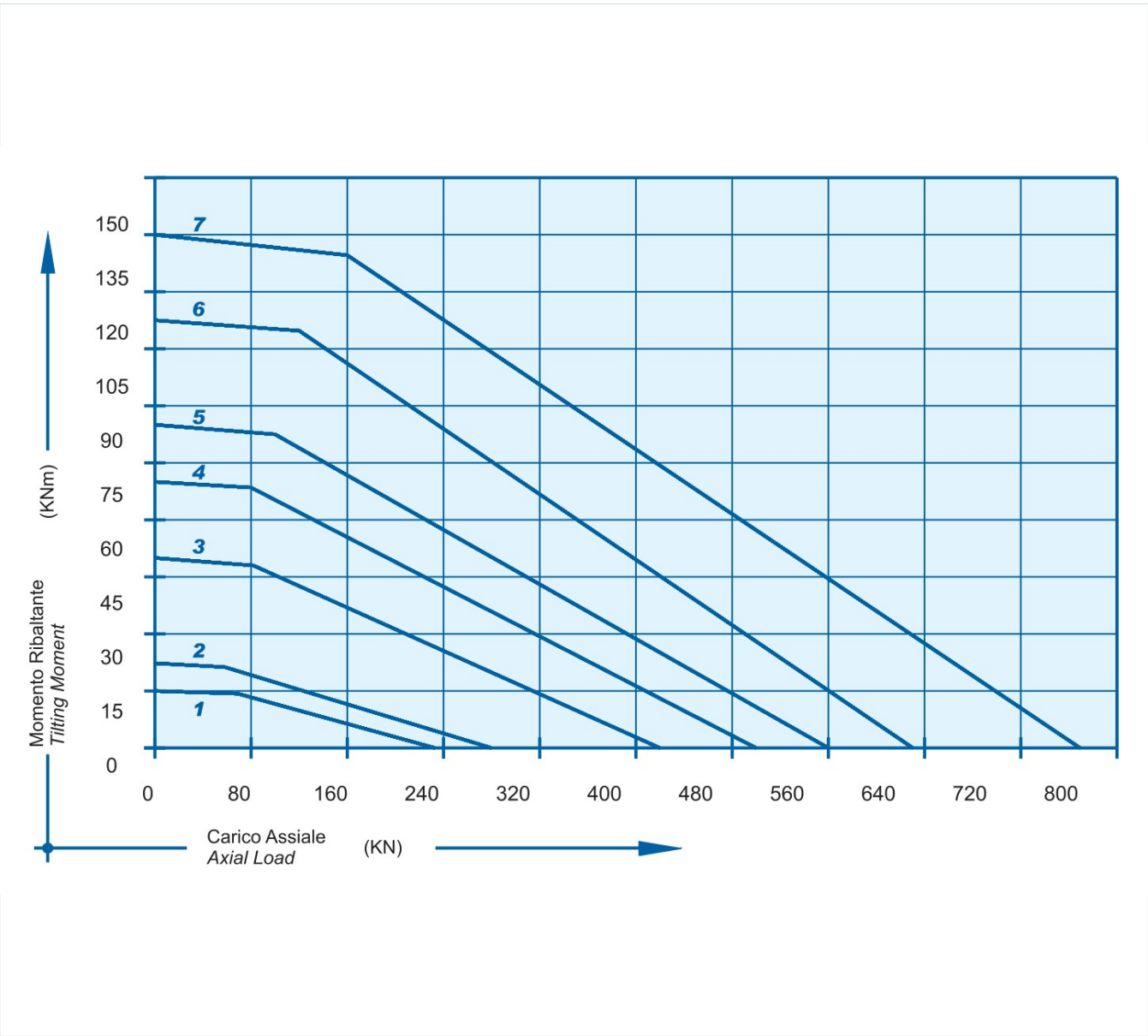
Complete Product Data

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 (CONTINUED) |                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------|
| Source file                     | catalogo-torriani-cuscinetti-a-sfere.pdf                                                                     |
| PDF page                        | 6                                                                                                            |
| Printed page                    | 6                                                                                                            |
| Source language                 | IT-EN                                                                                                        |
| Original unit system            | Metric                                                                                                       |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                              |
| Load Curve Chart                | i_22_a-static-load-curve.webp   SHA-256:<br>a25aa0fd73e7b85fbd416e293afbb54641c249288e65b738debce11f3456bdb5 |
| Outline Drawing                 | i_22_a-drawing.webp   SHA-256:<br>0c6eab96b8b1ce6149c14fc6c2b49dca636f9e6d12ee782a7ef9d6a12ae7ae71           |

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\_22\_a-static-load-curve.webp | SHA-256: a25aa0fd73e7b85fbd416e293afbb54641c249288e65b738debce11f3456bdb5

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

7F46EDHPEITUEQ54HAY3EMPG

### 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 6 | Printed page 6

### 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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/torriani-gianni/i-880-22-00-a/>

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