

**MERYDOM SD.1600.32.00.C**

## 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                        | SD.1600.32.00.C                        |
| Certified interchangeable with       | Torriani Gianni SD.1600.32.00.C        |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | X3ILIGYFUY7LQ3HWBAAIHM7L55             |
| 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                     | SD_32_C Series                         |
| Reference model                      | SD.1600.32.00.C                        |
| Bearing structure                    | Four-point contact ball                |
| Gear arrangement                     | Ungeared                               |
| DIMENSION                            |                                        |
| Overall outside diameter (Da)        | 1,600 mm                               |
| Torriani catalogue dimension B (B)   | 1,517 mm                               |
| Torriani catalogue dimension U (U)   | 1,455 mm                               |

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| DIMENSION (CONTINUED)               |                                          |
|-------------------------------------|------------------------------------------|
| Torriani catalogue dimension C (C)  | 1,455 mm                                 |
| Torriani catalogue dimension D (D)  | 1,393 mm                                 |
| Overall inside diameter (Di)        | 1,305 mm                                 |
| Mass (Kg)                           | 200 kg                                   |
| MOUNTING                            |                                          |
| Outer ring bolt circle (La)         | 1,560 mm                                 |
| Outer ring mounting-hole count (na) | 48                                       |
| Inner ring bolt circle (Li)         | 1,345 mm                                 |
| Inner ring mounting-hole count (ni) | 48                                       |
| MOUNTING INTERFACES                 |                                          |
| Outer ring mounting                 | 48 holes -                               |
| Inner ring mounting                 | 48 holes -                               |
| GEAR INTERFACE                      |                                          |
| Integral gear                       | Not applicable - ungeared bearing        |
| SOURCE TRACEABILITY                 |                                          |
| Source document code                | TORRIANI_GIANNI_BALL_BEARINGS_CATALOG    |
| Source file                         | catalogo-torriani-cuscinetti-a-sfere.pdf |
| PDF page                            | 32                                       |
| Printed page                        | 32                                       |
| Source language                     | IT-EN                                    |

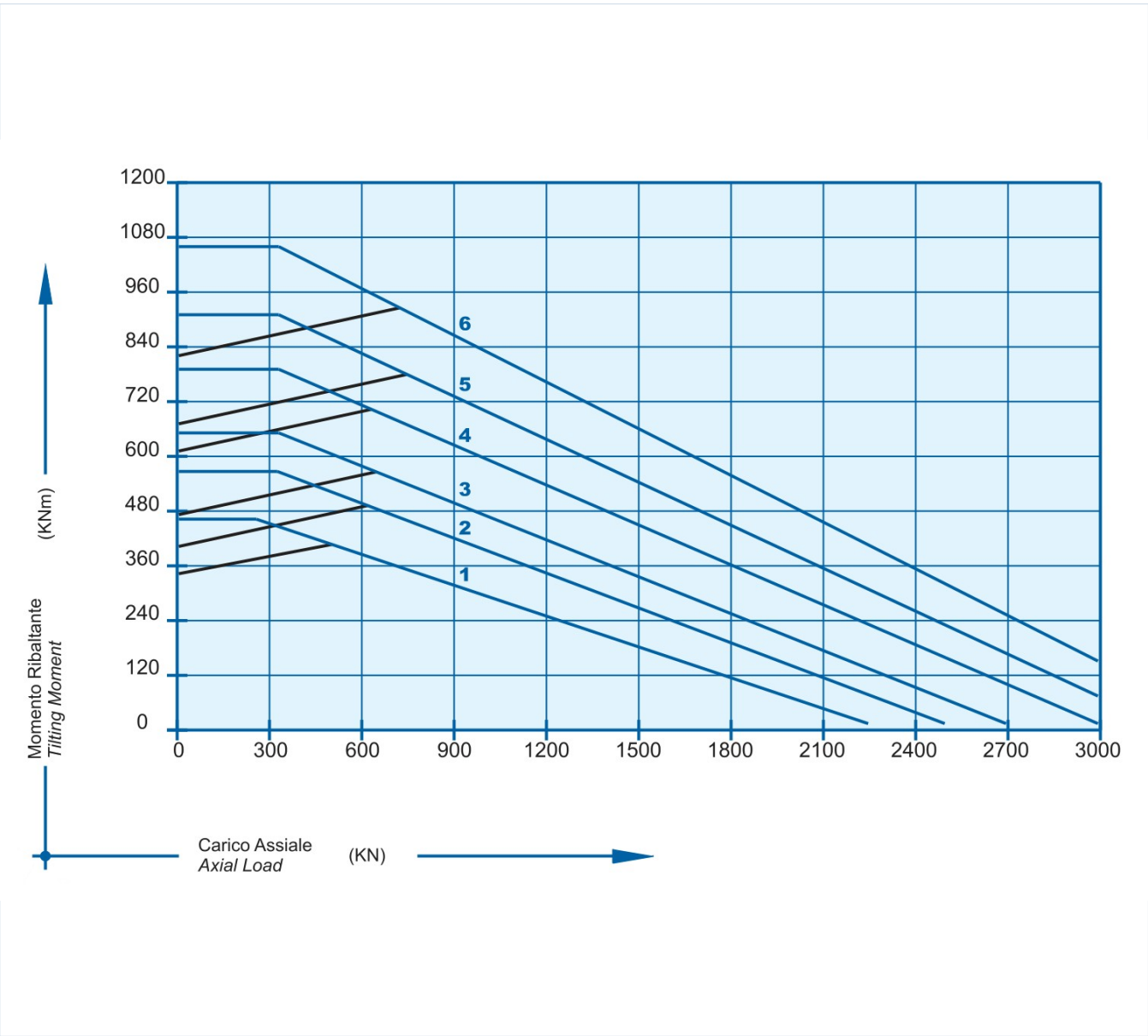
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| SOURCE TRACEABILITY (CONTINUED) |                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------|
| Original unit system            | Metric                                                                                                       |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                              |
| Load Curve Chart                | sd_32_c-static-load-curve.webp   SHA-256:<br>bfeacdaf125dba9d47cf879d43ca84d29bf82128e2b8e39fe1acffe15111453 |
| Outline Drawing                 | sd_32_c-drawing.webp   SHA-256:<br>eac00954c90ec5414d63b09b9da78ad6e372afc49aeb3cdbdf99c09625ae521f          |

# 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.



sd\_32\_c-static-load-curve.webp | SHA-256: bfeacdaf125dba9d47cf879d43ca84d29bf82128e2b8e39fe1acffe15111453

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

**X3ILIGYFUY7LQ3HWBAAIHM7L55**

### 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 32 | Printed page 32**

### 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/sd-1600-32-00-c/>

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