

Factory-Verified Replacement

MERYDOM SD.950.20.00.C

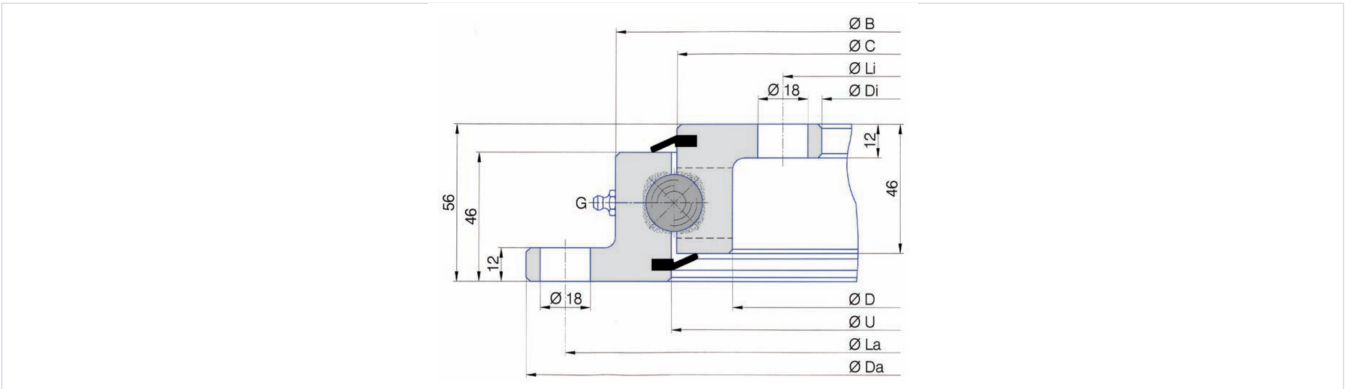
Certified for interchange with Torriani Gianni SD.950.20.00.C. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

**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                      |
| SD.950.20.00.C | Torriani Gianni SD.950.20.00.C |
| SERIES         | STRUCTURE                      |
| SD_20_C Series | Four-point contact ball        |
| OVERALL OD     | OVERALL ID                     |
| 948 mm         | 734 mm                         |
| OVERALL HEIGHT | GEAR                           |
| mm             | Ungeared                       |

Published Technical Drawing



sd\_20\_c-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                        | SD.950.20.00.C                         |
| Certified interchangeable with       | Torriani Gianni SD.950.20.00.C         |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | APGU2MPTU2E3DXGXV3MN4G4JOJ             |
| 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_20_C Series                         |
| Reference model                      | SD.950.20.00.C                         |
| Bearing structure                    | Four-point contact ball                |
| Gear arrangement                     | Ungeared                               |
| DIMENSION                            |                                        |
| Overall outside diameter (Da)        | 948 mm                                 |
| Torriani catalogue dimension B (B)   | 883 mm                                 |
| Torriani catalogue dimension U (U)   | 845.5 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)               |                                          |
|-------------------------------------|------------------------------------------|
| Torriani catalogue dimension C (C)  | 842.5 mm                                 |
| Torriani catalogue dimension D (D)  | 805 mm                                   |
| Overall inside diameter (Di)        | 734 mm                                   |
| Mass (Kg)                           | 48 kg                                    |
| MOUNTING                            |                                          |
| Outer ring bolt circle (La)         | 920 mm                                   |
| Outer ring mounting-hole count (na) | 14                                       |
| Inner ring bolt circle (Li)         | 762 mm                                   |
| Inner ring mounting-hole count (ni) | 18                                       |
| MOUNTING INTERFACES                 |                                          |
| Outer ring mounting                 | 14 holes -                               |
| Inner ring mounting                 | 18 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                            | 31                                       |
| Printed page                        | 31                                       |
| Source language                     | IT-EN                                    |

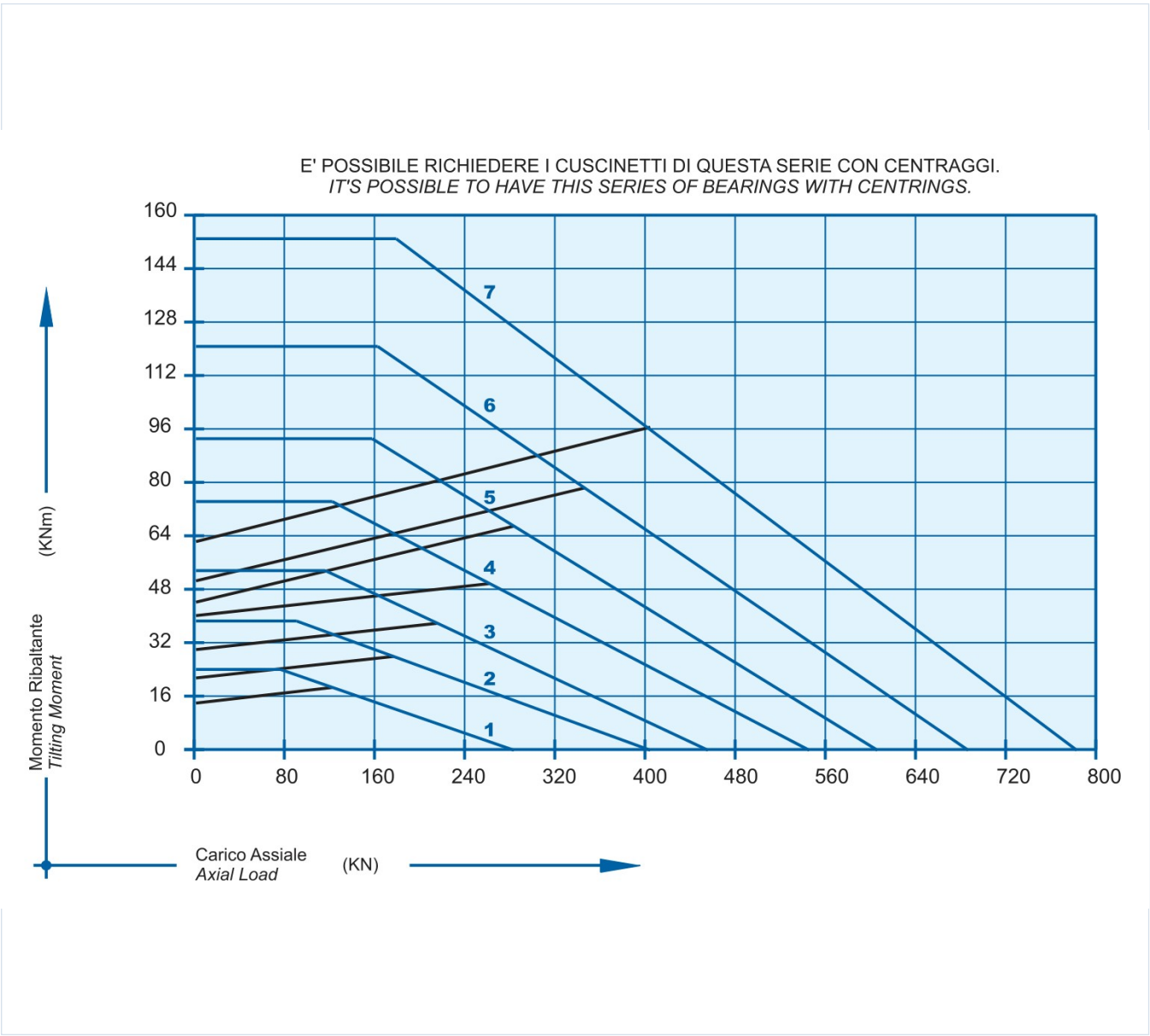
Complete Product Data

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) |                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------|
| Original unit system            | Metric                                                                                                        |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                               |
| Load Curve Chart                | sd_20_c-static-load-curve.webp   SHA-256:<br>698ff28e0df4cae477de6561f03d588b2d4d7c22f93fd288bc58aa6f3bad49df |
| Outline Drawing                 | sd_20_c-drawing.webp   SHA-256:<br>10e19c5b8be13343b5d848eeb5b73b8d1fe0a4895983abb000a9801a36021c33           |

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\_20\_c-static-load-curve.webp | SHA-256: 698ff28e0df4cae477de6561f03d588b2d4d7c22f93fd288bc58aa6f3bad49df

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

APGU2MPTU2E3DXGXV3MN4G4JOJ

### 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 31 | Printed page 31

### 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/products/slewing-bearing-replacements/torriani-gianni/sd-950-20-00-c/>

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