

Factory-Verified Replacement

MERYDOM SD.816.20.00.B

Certified for interchange with Torriani Gianni SD.816.20.00.B. 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  
SD.816.20.00.B

REFERENCE  
Torriani Gianni SD.816.20.00.B

SERIES  
SD\_20\_B Series

STRUCTURE  
Sfere a quattro punti di contatto

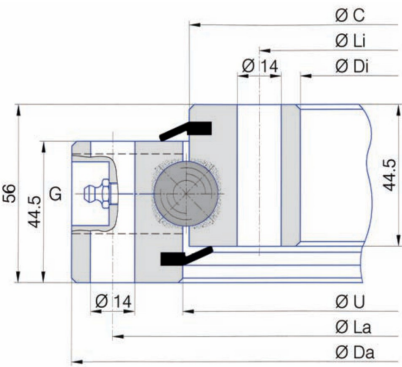
OVERALL OD  
816 mm

OVERALL ID  
672 mm

OVERALL HEIGHT  
mm

GEAR  
Senza dentatura

Published Technical Drawing



sd\_20\_b-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.816.20.00.B                         |
| Certified interchangeable with       | Torriani Gianni SD.816.20.00.B         |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | JDYNRH55ON4XKBDR6JDCJYFOHT             |
| 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_B Series                         |
| Reference model                      | SD.816.20.00.B                         |
| Bearing structure                    | Sfere a quattro punti di contatto      |
| Gear arrangement                     | Senza dentatura                        |
| DIMENSION                            |                                        |
| Overall outside diameter (Da)        | 816 mm                                 |
| Torriani catalogue dimension U (U)   | 745,5 mm                               |
| Torriani catalogue dimension C (C)   | 742,5 mm                               |

# Complete Product Data

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| DIMENSION (CONTINUED)               |                                          |
|-------------------------------------|------------------------------------------|
| Overall inside diameter (Di)        | 672 mm                                   |
| Mass (Kg)                           | 52 kg                                    |
| MOUNTING                            |                                          |
| Outer ring bolt circle (La)         | 790 mm                                   |
| Outer ring mounting-hole count (na) | 40                                       |
| Inner ring bolt circle (Li)         | 698 mm                                   |
| Inner ring mounting-hole count (ni) | 40                                       |
| MOUNTING INTERFACES                 |                                          |
| Outer ring mounting                 | 40 holes -                               |
| Inner ring mounting                 | 40 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                            | 29                                       |
| Printed page                        | 29                                       |
| Source language                     | IT-EN                                    |
| Original unit system                | Metric                                   |
| PUBLISHED TECHNICAL MEDIA           |                                          |

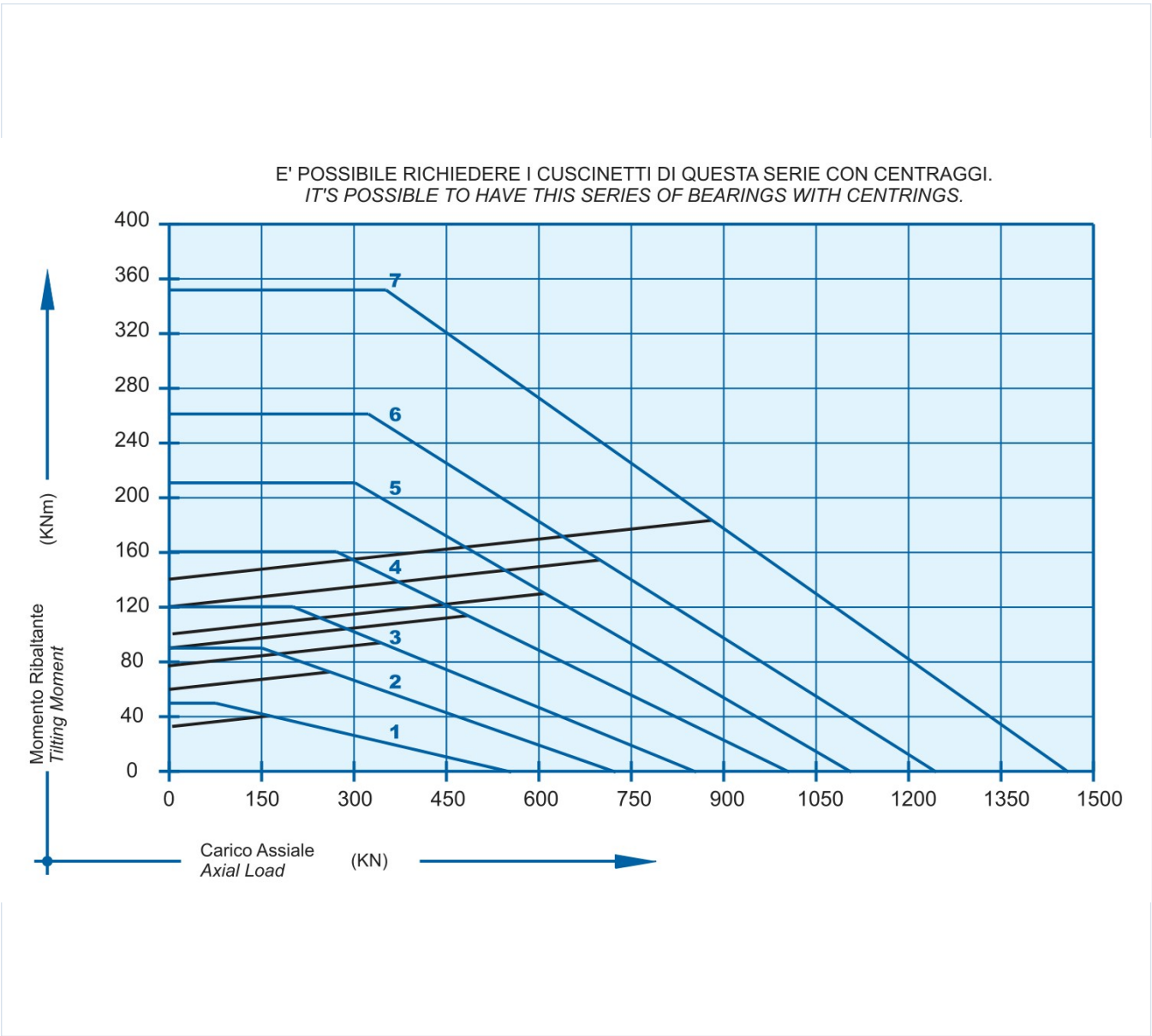
Complete Product Data

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| PUBLISHED TECHNICAL MEDIA (CONTINUED) |                                                                                                                   |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Load Curve Chart                      | sd_20_b-static-load-curve.webp   SHA-256:<br>7261e98f23ee1e17aad2f6f16d8249e83f952f58d8b1fa2756d8c8b9bb<br>aa503c |
| Outline Drawing                       | sd_20_b-drawing.webp   SHA-256:<br>c3e06d016d8626e92ab715dfa149fe6a05e8ecba2b8fc9e5ff1f7c10a4<br>bc8aa7           |

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\_b-static-load-curve.webp | SHA-256: 7261e98f23ee1e17aad2f6f16d8249e83f952f58d8b1fa2756d8c8b9bbaa503c

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

**JDYNRH55ON4XKBDR6JDCJYFOHT**

### 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 29 | Printed page 29**

### 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/sd-816-20-00-b/>

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