

Factory-Verified Replacement

MERYDOM SD.505.20.00.C

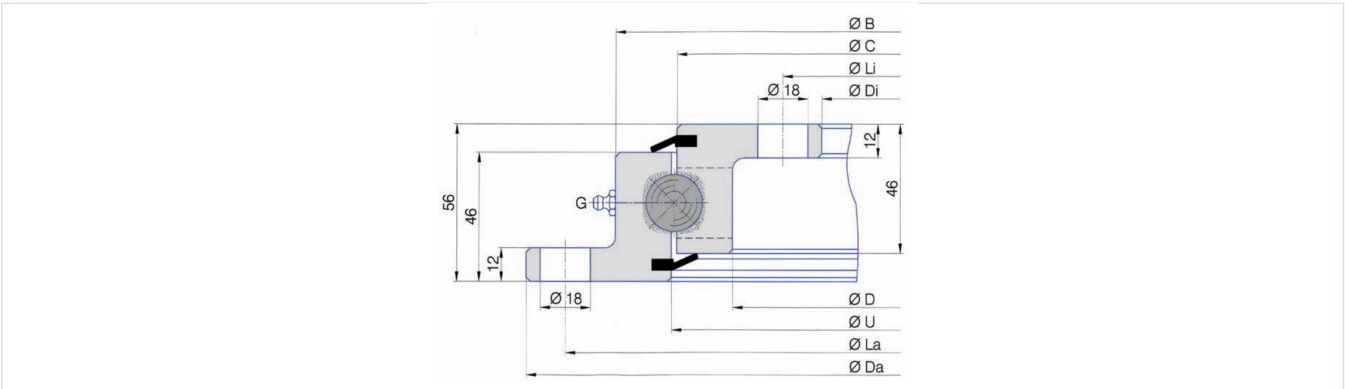
Certified for interchange with Torriani Gianni SD.505.20.00.C. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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.505.20.00.C	Torriani Gianni SD.505.20.00.C
SERIES	STRUCTURE
SD_20_C Series	Four-point contact ball
OVERALL OD	OVERALL ID
518 mm	304 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.505.20.00.C
Certified interchangeable with	Torriani Gianni SD.505.20.00.C
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	3JCVHJI6XO4SCJADLLFUZKBFM7
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.505.20.00.C
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Overall outside diameter (Da)	518 mm
Torriani catalogue dimension B (B)	453 mm
Torriani catalogue dimension U (U)	415.5 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)	412.5 mm
Torriani catalogue dimension D (D)	375 mm
Overall inside diameter (Di)	304 mm
Mass (Kg)	23.5 kg
MOUNTING	
Outer ring bolt circle (La)	490 mm
Outer ring mounting-hole count (na)	8
Inner ring bolt circle (Li)	332 mm
Inner ring mounting-hole count (ni)	12
MOUNTING INTERFACES	
Outer ring mounting	8 holes -
Inner ring mounting	12 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

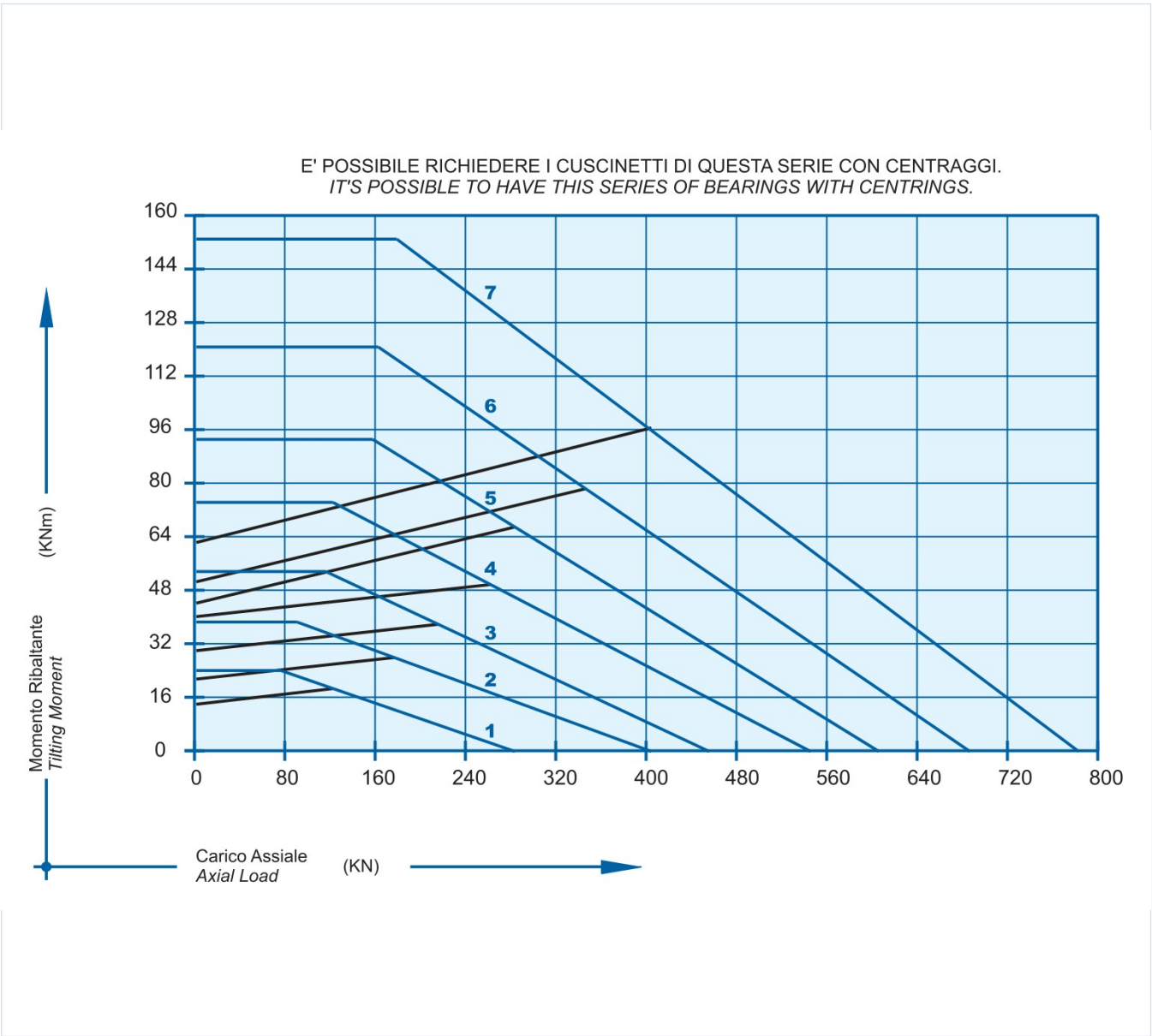
Complete Product Data

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: 698ff28e0df4cae477de6561f03d588b2d4d7c22f93fd288bc58aa6f3bad49df
Outline Drawing	sd_20_c-drawing.webp SHA-256: 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 3JCVHJI6XO4SCJADLLFUZKBFM7	SOURCE DOCUMENT TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
SOURCE FILE catalogo-torriani-cuscinetti-a-sfere.pdf	SOURCE LOCATION PDF page 31 Printed page 31
VERIFICATION Level 3 - MERYDOM Engineering Verified	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-505-20-00-c/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.