

Factory-Verified Replacement

MERYDOM I.1166.20.00.B

Certified for interchange with Torriani Gianni I.1166.20.00.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

I.1166.20.00.B

REFERENCE

Torriani Gianni I.1166.20.00.B

SERIES

I_20_B Series

STRUCTURE

Four-point contact ball

OVERALL OD

1,166 mm

OVERALL ID

984 mm

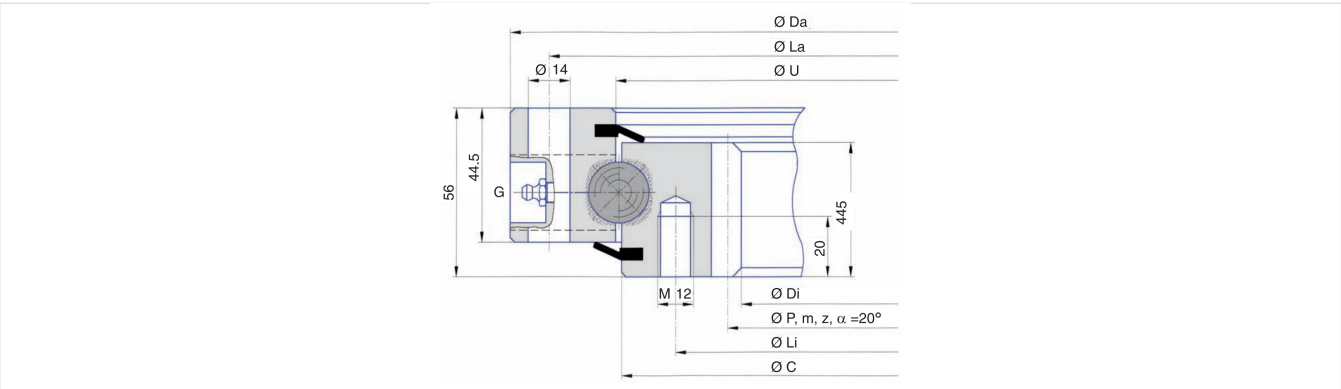
OVERALL HEIGHT

mm

GEAR

Internal gear

Published Technical Drawing



i_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	I.1166.20.00.B
Certified interchangeable with	Torriani Gianni I.1166.20.00.B
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	PPEQSUATOIXZKENP24QXFID5XG
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_20_B Series
Reference model	I.1166.20.00.B
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Overall outside diameter (Da)	1,166 mm
Torriani catalogue dimension U (U)	1,095.5 mm
Torriani catalogue dimension C (C)	1,092.5 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)	
Overall inside diameter (Di)	984 mm
Mass (Kg)	91 kg
MOUNTING	
Outer ring bolt circle (La)	1,140 mm
Outer ring mounting-hole count (na)	48
Inner ring bolt circle (Li)	1,055 mm
Inner ring mounting-hole count (ni)	48
GEAR	
Gear pitch diameter (P)	1,000 mm
Gear module (m)	8 mm
Gear tooth count (z)	125
PERFORMANCE	
Normal tooth force (Fz_normal)	18.3 kN
Maximum tooth force (Fz_max)	36.6 kN
PERFORMANCE RATINGS	
Rating Tooth Force Normal	18.3 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	36.6 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes -
Inner ring mounting	48 holes -

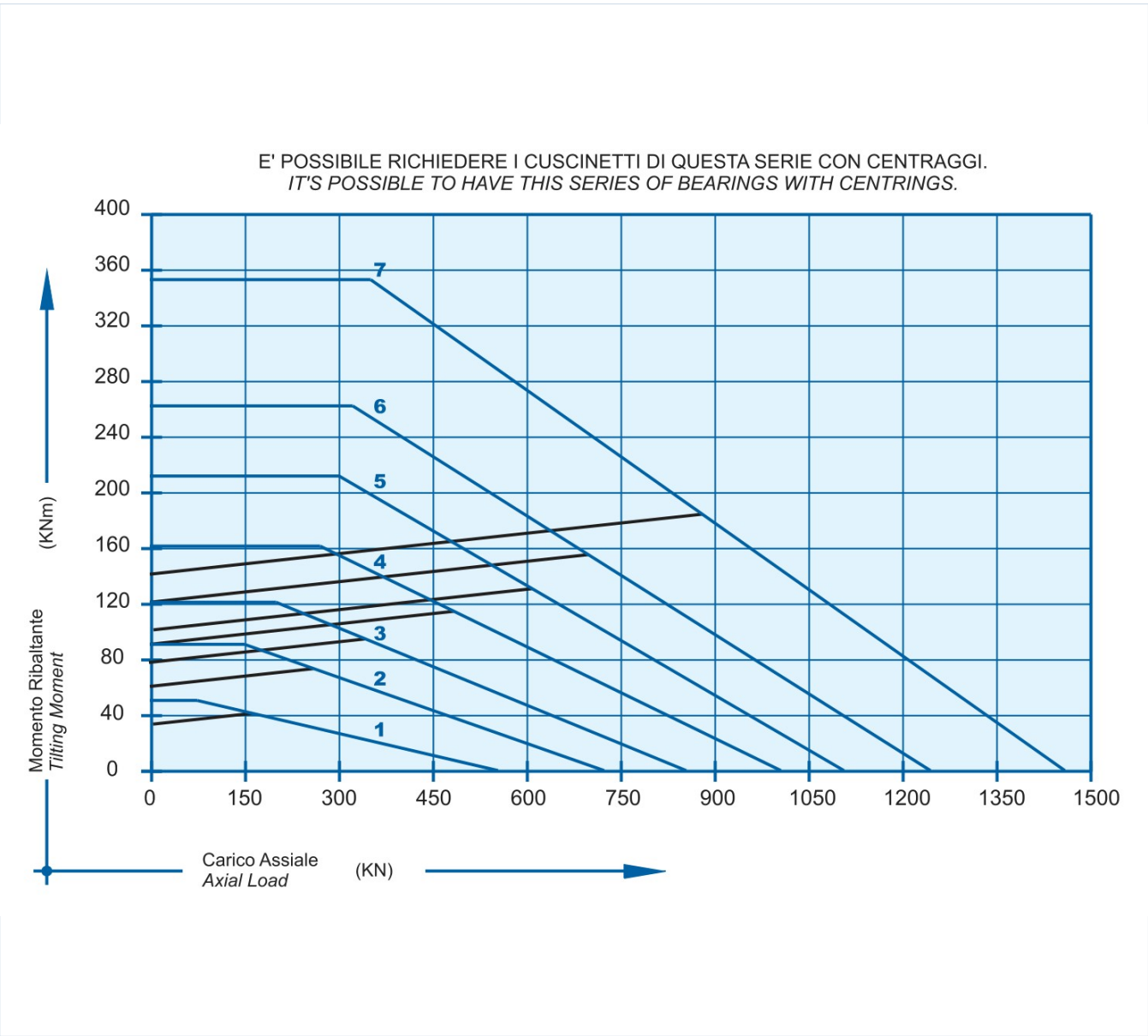
Complete Product Data

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GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	125
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	9
Printed page	9
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_20_b-static-load-curve.webp SHA-256: 05ed32ed204b170ab45cf359f982502deea47462240407f0bd38d494b1f3088
Outline Drawing	i_20_b-drawing.webp SHA-256: 7b3a6f6e2b004b57bf2a2eb4ea5227f55973b66d9c7bb4b8361aba7fdc b61f1b

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_20_b-static-load-curve.webp | SHA-256: 05ed32ed204b170ab45cf359f982502deaaa47462240407f0bd38d494b1f3088

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

PPEQSUATOIXZKENP24QXFID5XG

SOURCE FILE

**catalogo-torriani-cuscinetti-a-sfere
.pdf**

VERIFICATION

**Level 3 - MERYDOM Engineering
Verified**

SOURCE DOCUMENT

TORRIANI_GIANNI_BALL_BEARINGS_CATALOG

SOURCE LOCATION

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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/i-1166-20-00-b/>

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