

Factory-Verified Replacement

MERYDOM I.1000.2.20.00.A

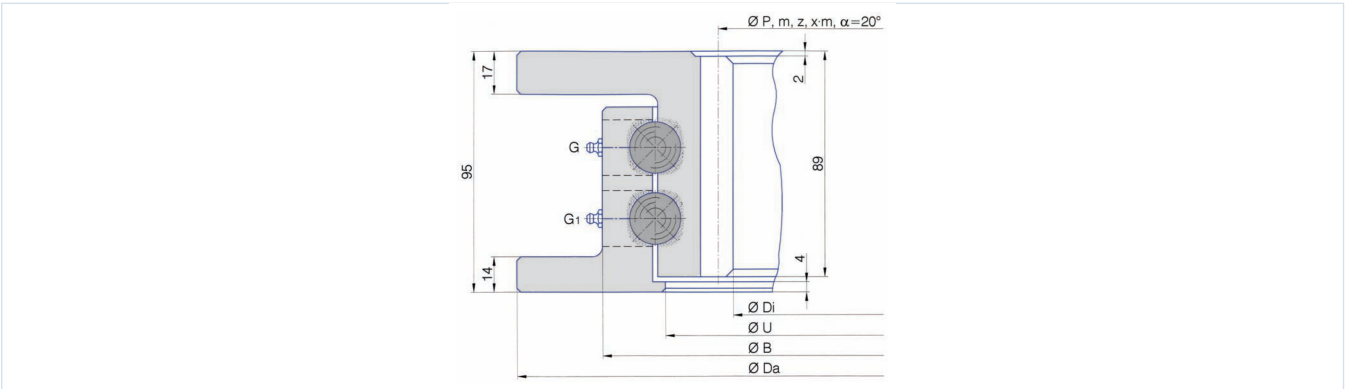
Certified for interchange with Torriani Gianni I.1000.2.20.00.A. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
I.1000.2.20.00.A	Torriani Gianni I.1000.2.20.00.A
SERIES	STRUCTURE
I_2_20_A Series	Four-point contact ball
OVERALL OD	OVERALL ID
1,000 mm	831 mm
OVERALL HEIGHT	GEAR
mm	Internal gear

Published Technical Drawing



i_2_20_a-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.1000.2.20.00.A
Certified interchangeable with	Torriani Gianni I.1000.2.20.00.A
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	TNJI7TZH7OQSAR225NZOVFTQCQ
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_2_20_A Series
Reference model	I.1000.2.20.00.A
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Overall outside diameter (Da)	1,000 mm
Torriani catalogue dimension B (B)	934 mm
Torriani catalogue dimension U (U)	884 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)	831 mm
Mass (Kg)	102 kg
GEAR	
Gear pitch diameter (P)	840 mm
Gear module (m)	6 mm
Gear tooth count (z)	140
Addendum modification product x*m (xm)	-1 mm
PERFORMANCE	
Normal tooth force (Fz_normal)	20.3 kN
Maximum tooth force (Fz_max)	40.6 kN
PERFORMANCE RATINGS	
Rating Tooth Force Normal	20.3 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	40.6 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	holes -
Inner ring mounting	holes -
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	140

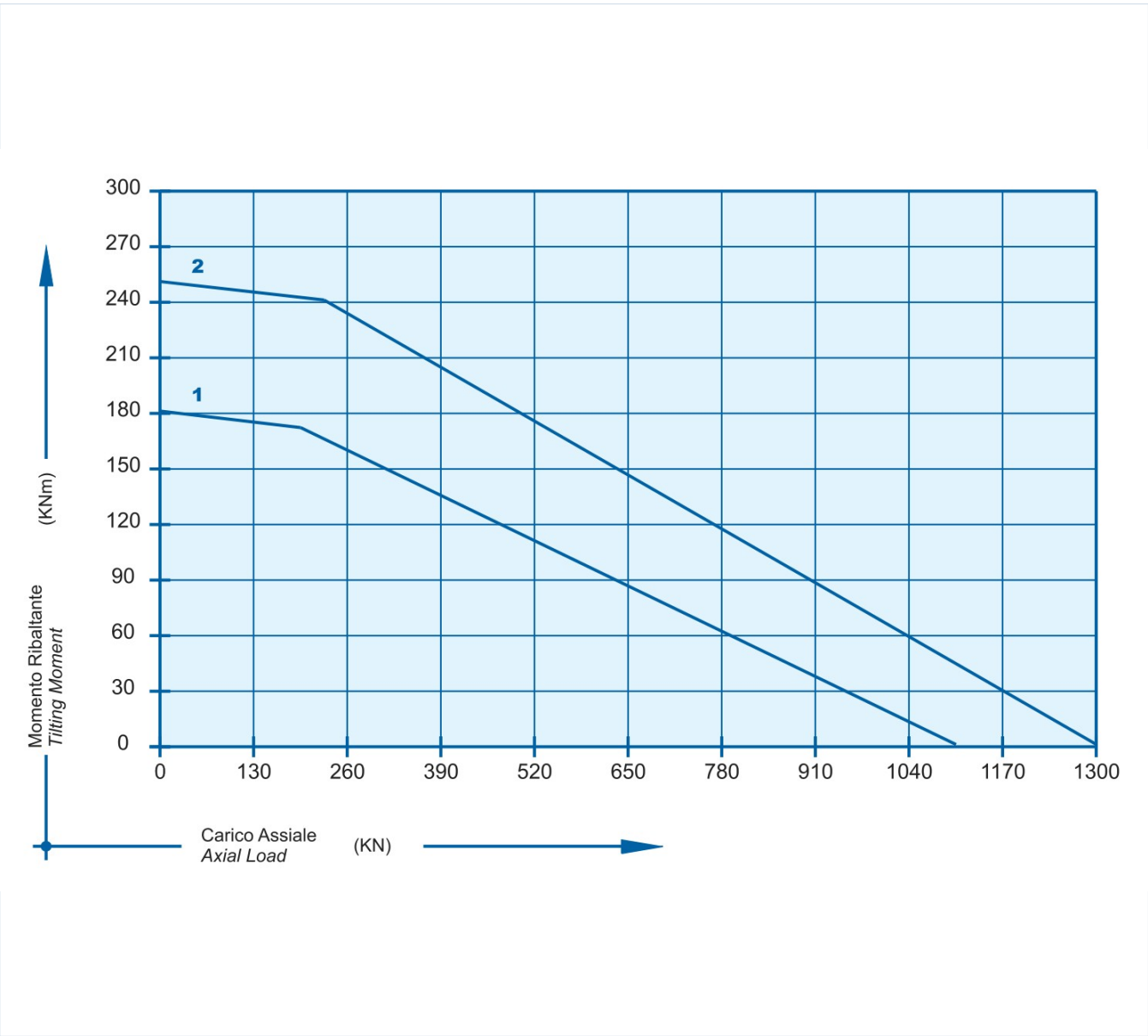
Complete Product Data

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	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	8
Printed page	8
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_2_20_a-static-load-curve.webp SHA-256: 9a2909ee70b26884eff04424a1e5a733052bdc07f2bc276d283aa64cf4ee13c0
Outline Drawing	i_2_20_a-drawing.webp SHA-256: d0958737b36d674090bc92ce56847a233ffab8970183f00d14b24e09855648da

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_2_20_a-static-load-curve.webp | SHA-256: 9a2909ee70b26884eff04424a1e5a733052bdc07f2bc276d283aa64cf4ee13c0

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

TNJI7TZH7OQSAR225NZOVFTQCQ

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 8 | Printed page 8

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-1000-2-20-00-a/>

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.