

Factory-Verified Replacement

MERYDOM I.880.2.20.00.A

Certified for interchange with Torriani Gianni I.880.2.20.00.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
I.880.2.20.00.A

REFERENCE
Torriani Gianni I.880.2.20.00.A

SERIES
I_2_20_A Series

STRUCTURE
Esferas de contato de quatro pontos

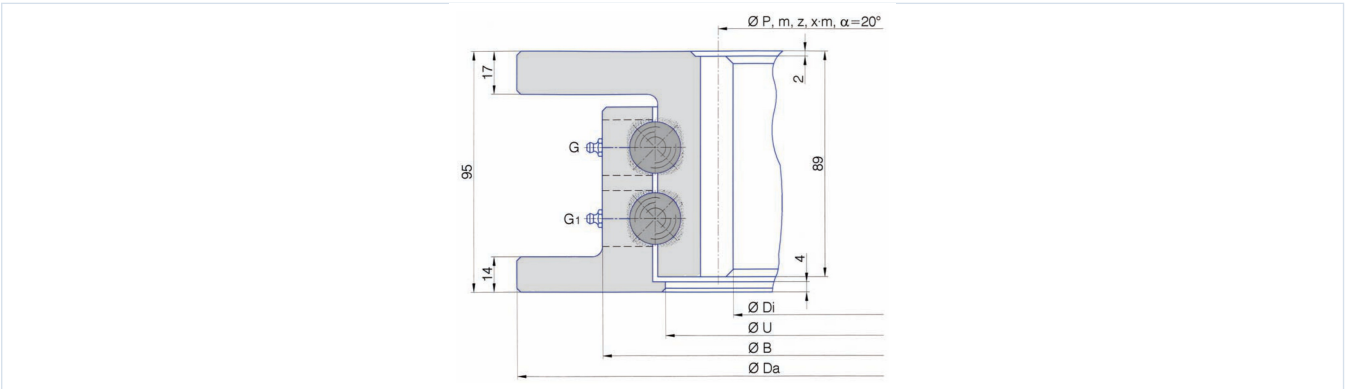
OVERALL OD
880 mm

OVERALL ID
707 mm

OVERALL HEIGHT
mm

GEAR
Engrenagem interna

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.880.2.20.00.A
Certified interchangeable with	Torriani Gianni I.880.2.20.00.A
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	AKAYFC5GDQRC4U3E6T6BCMY7ZW
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.880.2.20.00.A
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Overall outside diameter (Da)	880 mm
Torriani catalogue dimension B (B)	814 mm
Torriani catalogue dimension U (U)	764 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Di)	707 mm
Mass (Kg)	90 kg
GEAR	
Gear pitch diameter (P)	720 mm
Gear module (m)	6 mm
Gear tooth count (z)	120
Addendum modification product x*m (xm)	0,5 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	120

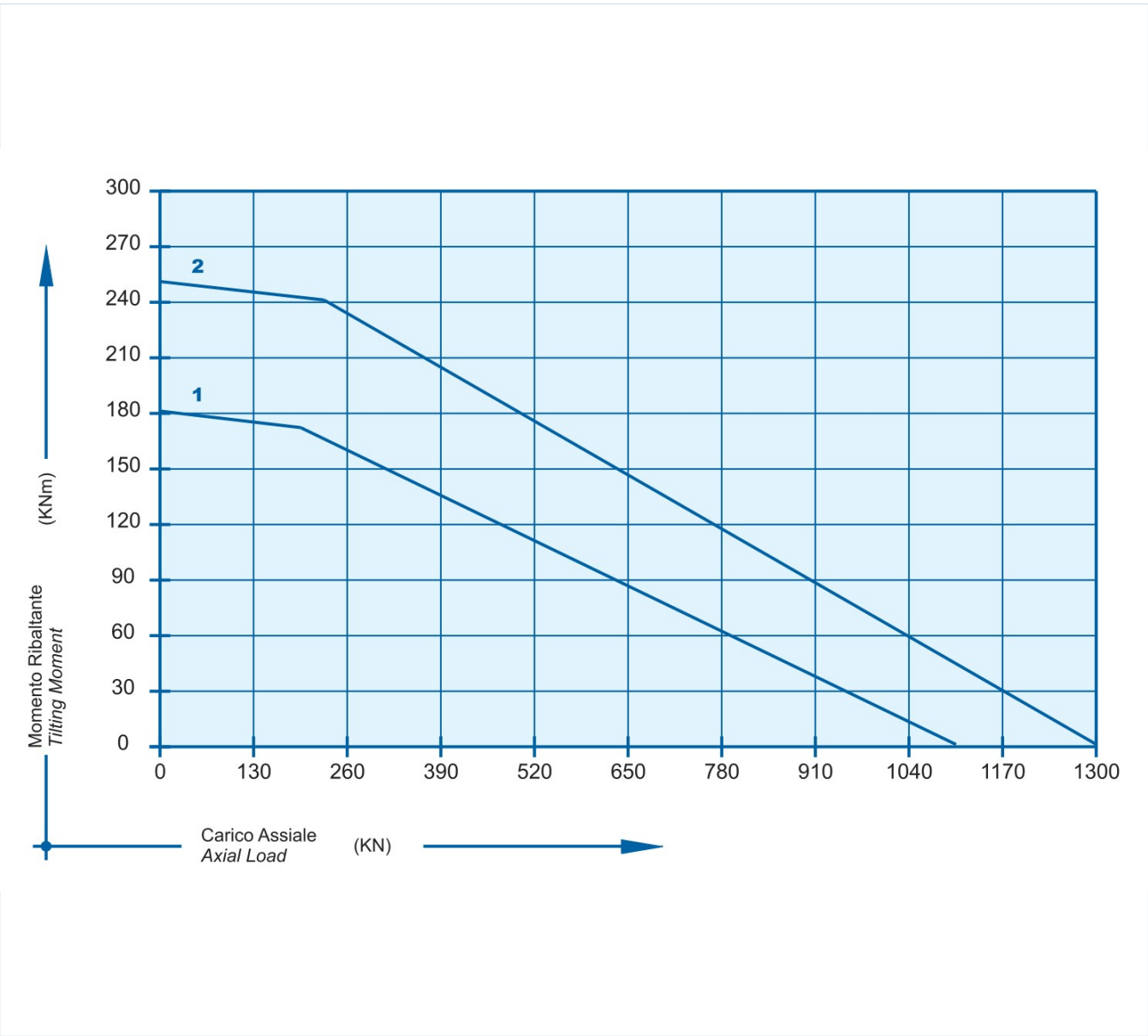
Complete Product Data

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

AKAYFC5GDQRC4U3E6T6BCMY7ZW

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

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Product page: <https://rotnex.com/pt/produtos/rolamentos-de-giro-de-substituicao/torriani-gianni/i-880-2-20-00-a/>

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