

Factory-Verified Replacement

MERYDOM I.1100.32.00.C

Certified for interchange with Torriani Gianni I.1100.32.00.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
I.1100.32.00.C

REFERENCE
Torriani Gianni I.1100.32.00.C

SERIES
I_32_C Series

STRUCTURE
Esferas de contato de quatro pontos

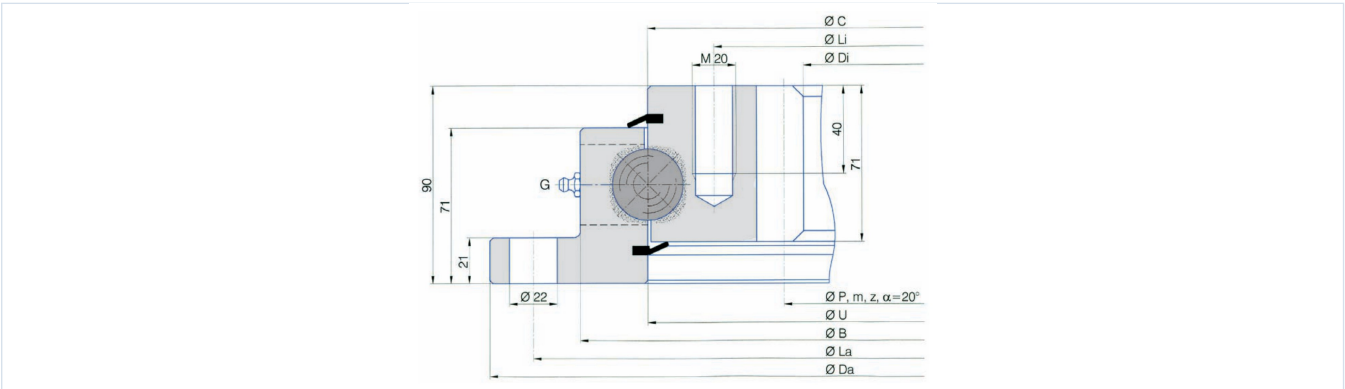
OVERALL OD
1,100 mm

OVERALL ID
812 mm

OVERALL HEIGHT
mm

GEAR
Engrenagem interna

Published Technical Drawing



i_32_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	I.1100.32.00.C
Certified interchangeable with	Torriani Gianni I.1100.32.00.C
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	DCFSFPP7ZKNICDKS4GEH54RTGJ
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_32_C Series
Reference model	I.1100.32.00.C
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Overall outside diameter (Da)	1.100 mm
Torriani catalogue dimension B (B)	1.017 mm
Torriani catalogue dimension U (U)	955 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)	955 mm
Overall inside diameter (Di)	812 mm
Mass (Kg)	159 kg
MOUNTING	
Outer ring bolt circle (La)	1.060 mm
Outer ring mounting-hole count (na)	30
Inner ring bolt circle (Li)	894 mm
Inner ring mounting-hole count (ni)	30
GEAR	
Gear pitch diameter (P)	830 mm
Gear module (m)	10 mm
Gear tooth count (z)	83
PERFORMANCE	
Normal tooth force (Fz_normal)	42,1 kN
Maximum tooth force (Fz_max)	84,2 kN
PERFORMANCE RATINGS	
Rating Tooth Force Normal	42,1 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	84,2 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	30 holes -

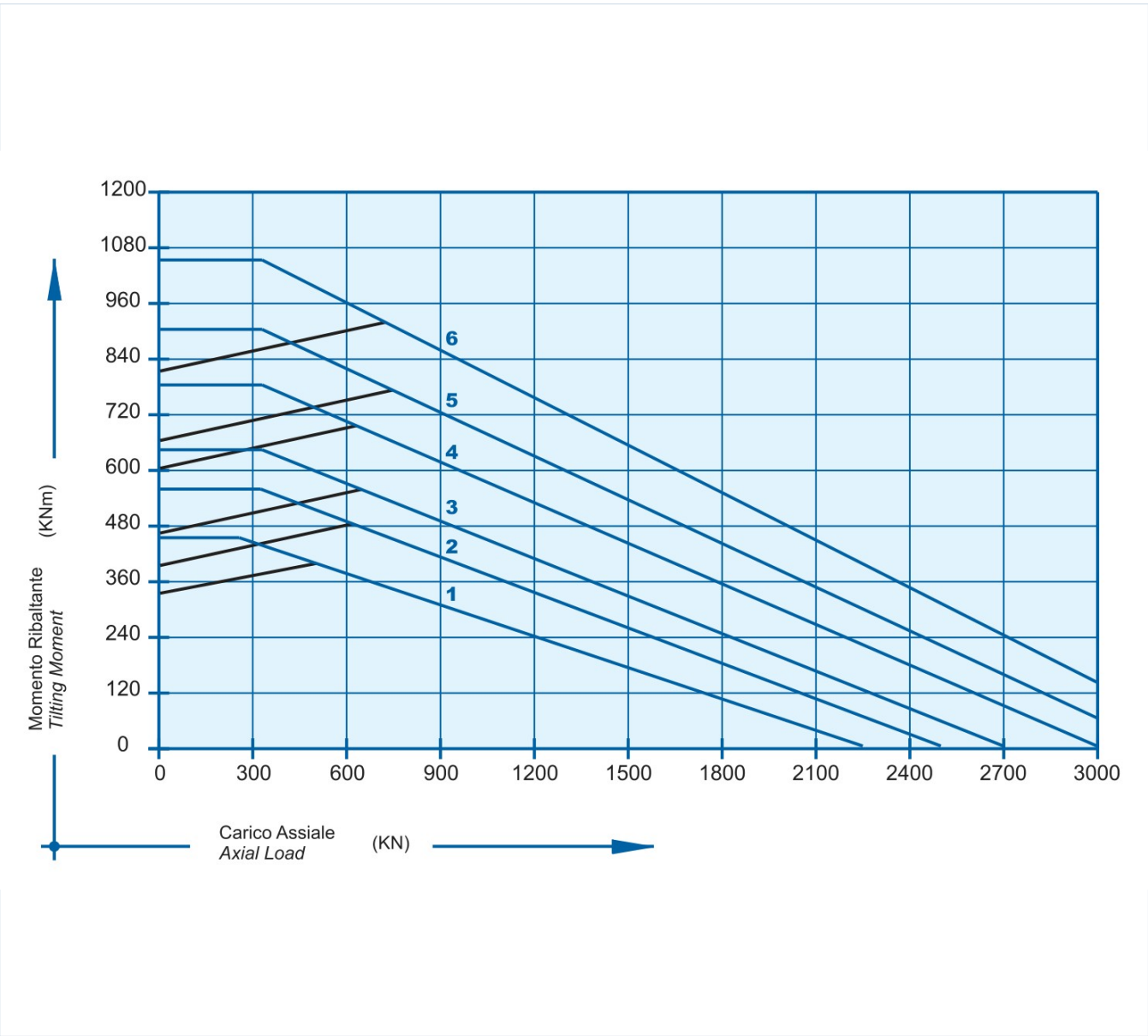
Complete Product Data

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MOUNTING INTERFACES (CONTINUED)	
Inner ring mounting	30 holes -
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	83
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	12
Printed page	12
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_32_c-static-load-curve.webp SHA-256: 2ac0c47a5a83adf8457572c8ce7f75d99ca8f051c8fe79fb3768b79ca4a625f4
Outline Drawing	i_32_c-drawing.webp SHA-256: 4385bce5c7c9a612044e985f963f07204efeea2ea413304f8ffda2f2ef4d08c0

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_32_c-static-load-curve.webp | SHA-256: 2ac0c47a5a83adf8457572c8ce7f75d99ca8f051c8fe79fb3768b79ca4a625f4

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

DCFSFPP7ZKNICDKS4GEH54RTGJ

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-1100-32-00-c/>

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