

Factory-Verified Replacement

MERYDOM E.1600.32.00.C

Certified for interchange with Torriani Gianni E.1600.32.00.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
E.1600.32.00.C

REFERENCE
Torriani Gianni E.1600.32.00.C

SERIES
E_32_C Series

STRUCTURE
Sfere a quattro punti di contatto

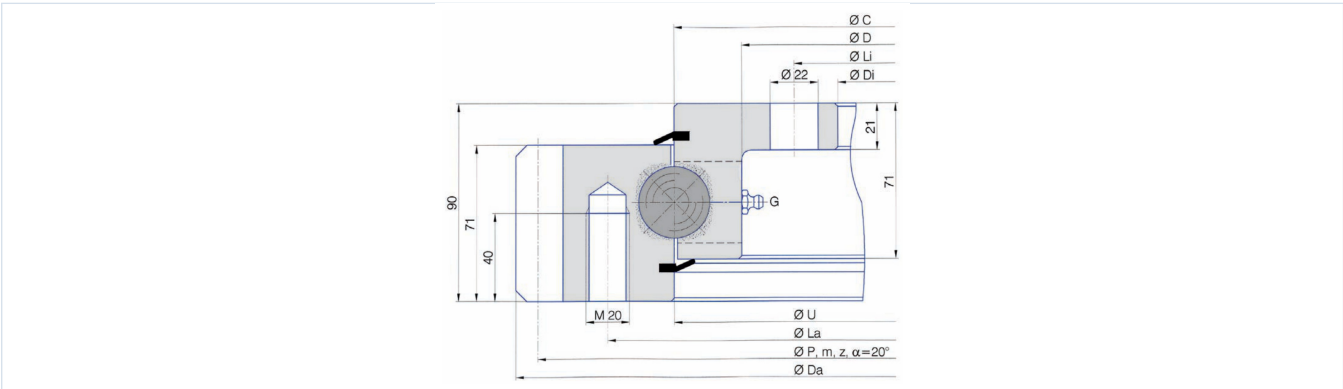
OVERALL OD
1,600 mm

OVERALL ID
1,305 mm

OVERALL HEIGHT
mm

GEAR
Dentatura esterna

Published Technical Drawing



e_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	E.1600.32.00.C
Certified interchangeable with	Torriani Gianni E.1600.32.00.C
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JLPYQ2EV6LMBDMQVAWOAKD4SJV
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	E_32_C Series
Reference model	E.1600.32.00.C
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Overall outside diameter (Da)	1.600 mm
Torriani catalogue dimension B (B)	1.455 mm
Torriani catalogue dimension U (U)	1.455 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Torriani catalogue dimension C (C)	1.393 mm
Overall inside diameter (Di)	1.305 mm
Mass (Kg)	250 kg
MOUNTING	
Outer ring bolt circle (La)	1.516 mm
Outer ring mounting-hole count (na)	48
Inner ring bolt circle (Li)	1.345 mm
Inner ring mounting-hole count (ni)	48
GEAR	
Gear pitch diameter (P)	1.580 mm
Gear module (m)	10 mm
Gear tooth count (z)	158
PERFORMANCE	
Normal tooth force (Fz_normal)	37,85 kN
Maximum tooth force (Fz_max)	75,7 kN
PERFORMANCE RATINGS	
Rating Tooth Force Normal	37,85 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	75,7 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes -

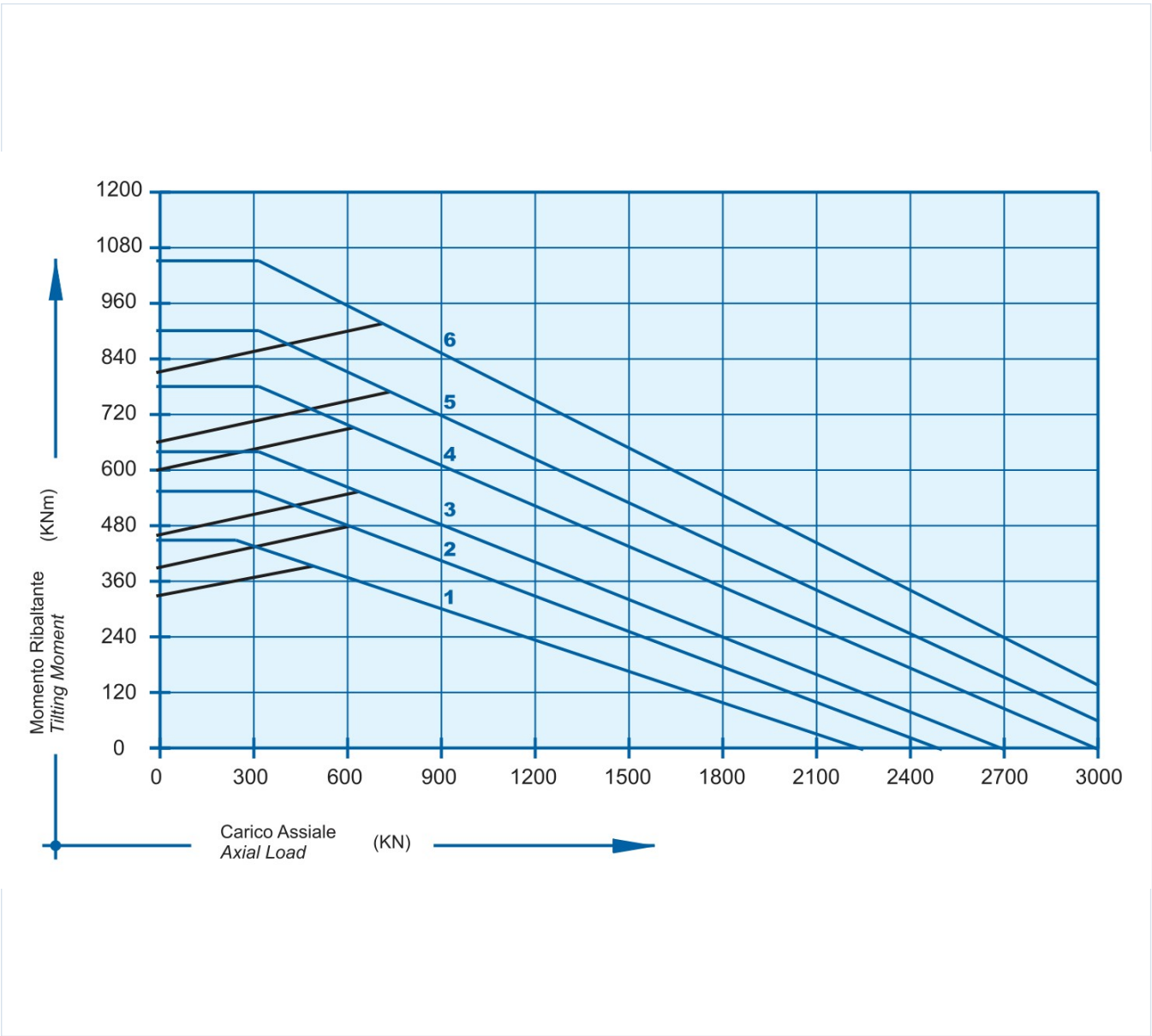
Complete Product Data

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MOUNTING INTERFACES (CONTINUED)	
Inner ring mounting	48 holes -
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	158
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	21
Printed page	21
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	e_32_c-static-load-curve.webp SHA-256: d3422832f8eb0335c6aded071bbbac0a7f8ba1dc5251ba8845d2fd85eb906d7e
Outline Drawing	e_32_c-drawing.webp SHA-256: 776aa1780d6a7120047f6834ba49e250fe06f3d0b4e5c71b43a8b62643a0c94b

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.



e_32_c-static-load-curve.webp | SHA-256: d3422832f8eb0335c6aded071bbbac0a7f8ba1dc5251ba8845d2fd85eb906d7e

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

JLPYQ2EV6LMBDMQVAWOAKD4SJV

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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/torriani-gianni/e-1600-32-00-c/>

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