

Factory-Verified Replacement

MERYDOM I.816.32.10.D.1

Certified for interchange with Torriani Gianni I.816.32.10.D.1. 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.816.32.10.D.1

REFERENCE
Torriani Gianni I.816.32.10.D.1

SERIES
I_32_D Series

STRUCTURE
Four-point contact ball

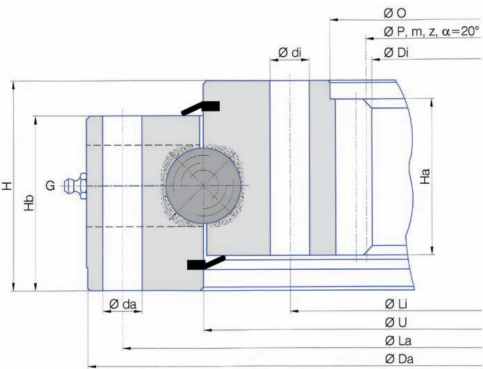
OVERALL OD
815 mm

OVERALL ID
568.9 mm

OVERALL HEIGHT
90 mm

GEAR
Internal gear

Published Technical Drawing



i_32_d-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.816.32.10.D.1
Certified interchangeable with	Torriani Gianni I.816.32.10.D.1
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	K6KTB4BYBW2TROECEAI4SLE5JI
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_D Series
Reference model	I.816.32.10.D.1
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Overall outside diameter (Da)	815 mm
Torriani catalogue dimension U (U)	712.5 mm
Torriani catalogue dimension O (O)	605 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)	568.9 mm
Torriani catalogue dimension Ha (Ha)	67 mm
Torriani catalogue dimension Hb (Hb)	75 mm
Overall height (H)	90 mm
Mass (Kg)	143 kg
MOUNTING	
Outer ring bolt circle (La)	785 mm
Outer ring mounting-hole count (na)	18
Outer ring mounting-hole specification (da)	17 mm
Inner ring bolt circle (Li)	640 mm
Inner ring mounting-hole count (ni)	18
Inner ring mounting-hole specification (di)	17 mm
GEAR	
Gear pitch diameter (P)	574 mm
Gear module (m)	7 mm
Gear tooth count (z)	82
PERFORMANCE	
Normal tooth force (Fz_normal)	31 kN
Maximum tooth force (Fz_max)	62 kN
PERFORMANCE RATINGS	

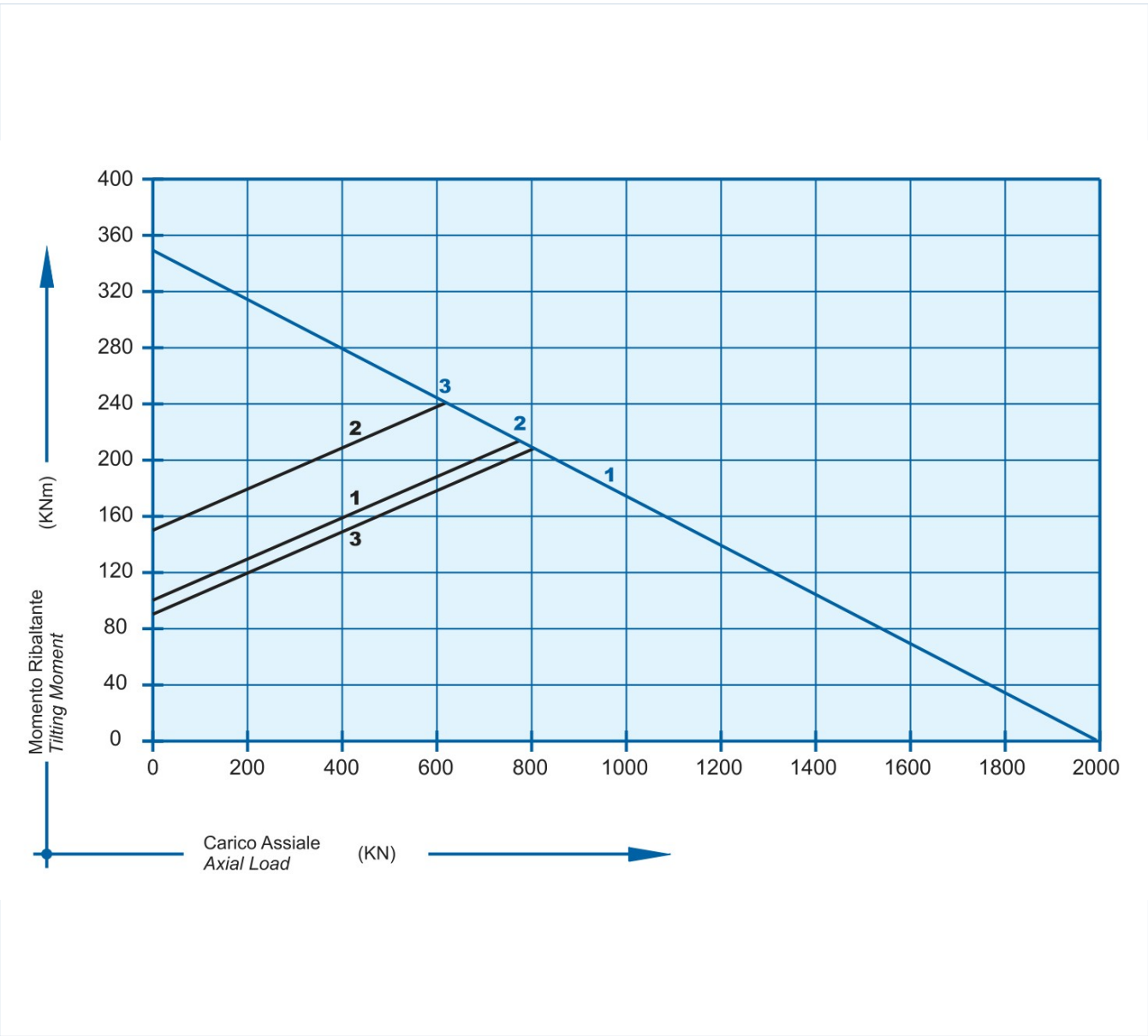
Complete Product Data

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PERFORMANCE RATINGS (CONTINUED)	
Rating Tooth Force Normal	31 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	62 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	18 holes - da 17 mm
Inner ring mounting	18 holes - di 17 mm
GEAR INTERFACE	
Pitch system	module
Module reference	7 mm
Number of teeth	82
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	15
Printed page	15
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_32_d-static-load-curve.webp SHA-256: c7088c914b07cea5fb4e92fc2de825c33b5179f82e9219ffccb90557263c3c54
Outline Drawing	i_32_d-drawing.webp SHA-256: cf9a2c4f6aea81a6e612a094971ef9ad7b2d1c19f0746865717291d54592c8db

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_d-static-load-curve.webp | SHA-256: c7088c914b07cea5fb4e92fc2de825c33b5179f82e9219ffccb90557263c3c54

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 K6KTB4BYBW2TROECEAI4SLE5JI	SOURCE DOCUMENT TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
SOURCE FILE catalogo-torriani-cuscinetti-a-sfere.pdf	SOURCE LOCATION PDF page 15 Printed page 15
VERIFICATION Level 3 - MERYDOM Engineering Verified	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/products/slewing-bearing-replacements/torriani-gianni/i-816-32-10-d-1/>

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