

Factory-Verified Replacement

MERYDOM E.816.32.00.D.1

Certified for interchange with Torriani Gianni E.816.32.00.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
E.816.32.00.D.1

REFERENCE
Torriani Gianni E.816.32.00.D.1

SERIES
E_32_D Series

STRUCTURE
Sfere a quattro punti di contatto

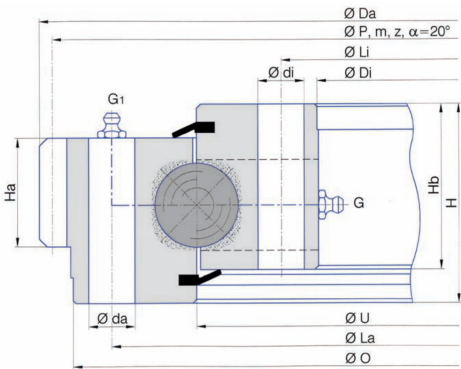
OVERALL OD
816 mm

OVERALL ID
574 mm

OVERALL HEIGHT
90 mm

GEAR
Dentatura esterna

Published Technical Drawing



e_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	E.816.32.00.D.1
Certified interchangeable with	Torriani Gianni E.816.32.00.D.1
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	KYCHQYMI3FC7SFIOTOC4A4M3WW
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_D Series
Reference model	E.816.32.00.D.1
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Overall outside diameter (Da)	816 mm
Torriani catalogue dimension U (U)	781 mm
Torriani catalogue dimension O (O)	682 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)	574 mm
Torriani catalogue dimension Ha (Ha)	65 mm
Torriani catalogue dimension Hb (Hb)	70 mm
Overall height (H)	90 mm
Mass (Kg)	120 kg
MOUNTING	
Outer ring bolt circle (La)	753 mm
Outer ring mounting-hole count (na)	18
Outer ring mounting-hole specification (da)	22 mm
Inner ring bolt circle (Li)	604 mm
Inner ring mounting-hole count (ni)	18
Inner ring mounting-hole specification (di)	22 mm
GEAR	
Gear pitch diameter (P)	792 mm
Gear module (m)	6 mm
Gear tooth count (z)	132
PERFORMANCE	
Normal tooth force (Fz_normal)	17 kN
Maximum tooth force (Fz_max)	34 kN
PERFORMANCE RATINGS	

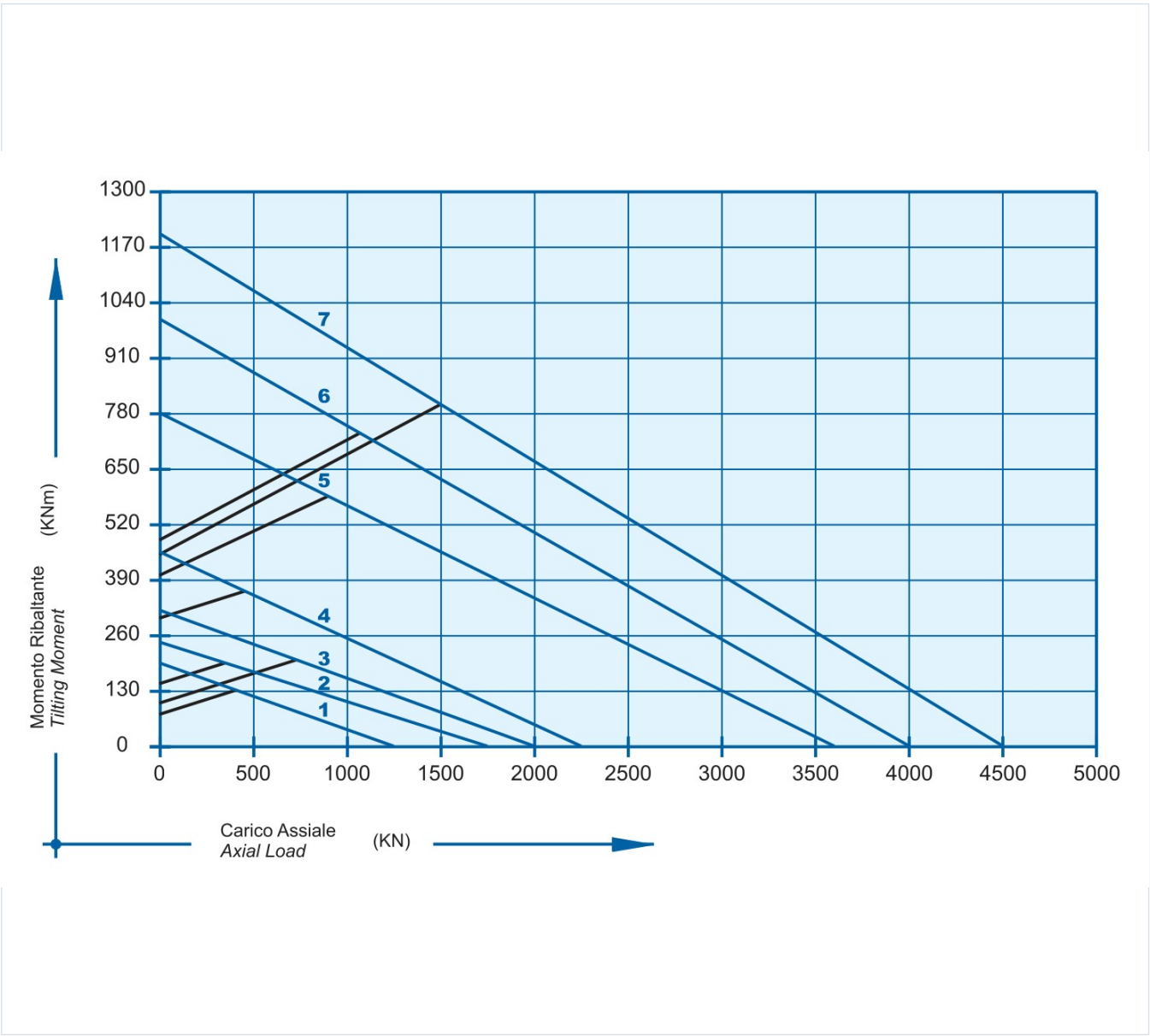
Complete Product Data

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PERFORMANCE RATINGS (CONTINUED)	
Rating Tooth Force Normal	17 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	34 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	18 holes - da 22 mm
Inner ring mounting	18 holes - di 22 mm
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	132
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	24
Printed page	24
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	e_32_d-static-load-curve.webp SHA-256: 917541c22d8309b08848582b4cc52dc479f90c7a3c3c88b8715c70b200 aea6e3
Outline Drawing	e_32_d-drawing.webp SHA-256: 3df8452fea94c8b1cd463c286acf2287ab2ff88fad9b507203344f8cc3 613e05

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_d-static-load-curve.webp | SHA-256: 917541c22d8309b08848582b4cc52dc479f90c7a3c3c88b8715c70b200aea6e3

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

KYCHQYMI3FC7SFIOTOC4A4M3WW

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 24 | Printed page 24

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-816-32-00-d-1/>

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