

Factory-Verified Replacement

MERYDOM E.972.25.00.D.3

Certified for interchange with Torriani Gianni E.972.25.00.D.3. 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.972.25.00.D.3

REFERENCE
Torriani Gianni E.972.25.00.D.3

SERIES
E_25_D Series

STRUCTURE
Four-point contact ball

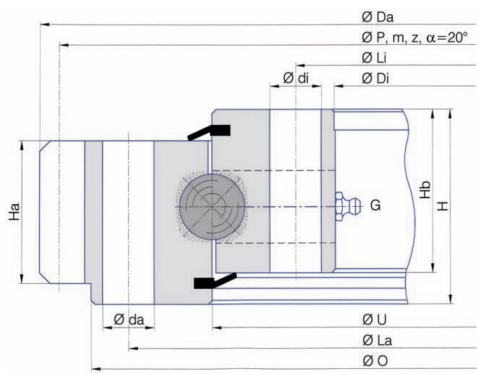
OVERALL OD
972 mm

OVERALL ID
766 mm

OVERALL HEIGHT
70 mm

GEAR
External gear

Published Technical Drawing



e_25_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.972.25.00.D.3
Certified interchangeable with	Torriani Gianni E.972.25.00.D.3
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	T5R3LUCA5D3JLCYGXKLEQJ2IAD
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_25_D Series
Reference model	E.972.25.00.D.3
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Overall outside diameter (Da)	972 mm
Torriani catalogue dimension U (U)	942 mm
Torriani catalogue dimension O (O)	854 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)	766 mm
Torriani catalogue dimension Ha (Ha)	58 mm
Torriani catalogue dimension Hb (Hb)	60 mm
Overall height (H)	70 mm
Mass (Kg)	108 kg
MOUNTING	
Outer ring bolt circle (La)	912 mm
Outer ring mounting-hole count (na)	36
Outer ring mounting-hole specification (da)	M16 mm
Inner ring bolt circle (Li)	796 mm
Inner ring mounting-hole count (ni)	36
Inner ring mounting-hole specification (di)	18 mm
GEAR	
Gear pitch diameter (P)	960 mm
Gear module (m)	6 mm
Gear tooth count (z)	160
PERFORMANCE	
Normal tooth force (Fz_normal)	15 kN
Maximum tooth force (Fz_max)	30 kN
PERFORMANCE RATINGS	

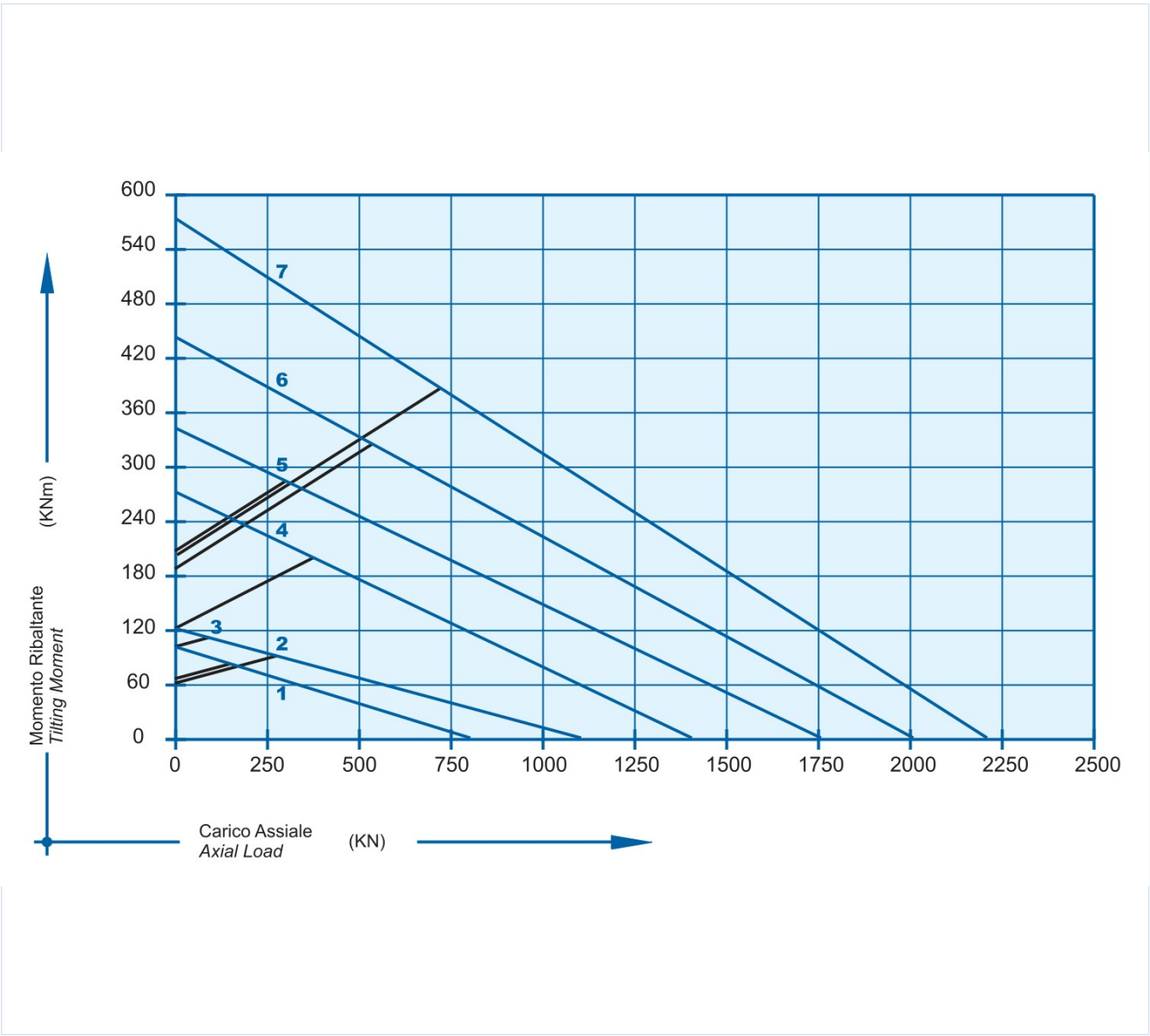
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

PERFORMANCE RATINGS (CONTINUED)	
Rating Tooth Force Normal	15 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	30 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - da M16
Inner ring mounting	36 holes - di 18 mm
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	160
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	23
Printed page	23
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	e_25_d-static-load-curve.webp SHA-256: e57d4159ed0c1e6230b018d00804d10296cc4fe04bf5b21ebea6ee133455a7aa
Outline Drawing	e_25_d-drawing.webp SHA-256: 05b276ac966b79ee98c8513bb7e7ce52b11ea02f8439df48c2af6e4bc52bb09c

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_25_d-static-load-curve.webp | SHA-256: e57d4159ed0c1e6230b018d00804d10296cc4fe04bf5b21ebea6ee133455a7aa

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

T5R3LUCA5D3JLCYGXKLEQJ2IAD

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/products/slewing-bearing-replacements/torriani-gianni/e-972-25-00-d-3/>

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