

Factory-Verified Replacement

MERYDOM E.403.22.00.D.1

Certified for interchange with Torriani Gianni E.403.22.00.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.403.22.00.D.1

SERIES
E_22_D Series

OVERALL OD
403.5 mm

OVERALL HEIGHT
55 mm

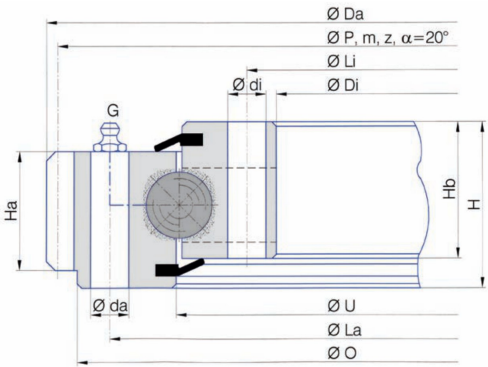
REFERENCE
Torriani Gianni E.403.22.00.D.1

STRUCTURE
Four-point contact ball

OVERALL ID
235 mm

GEAR
External gear

Published Technical Drawing



e_22_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.403.22.00.D.1
Certified interchangeable with	Torriani Gianni E.403.22.00.D.1
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	33L3GHUJMAF3TBTCTX5P2DDGSF
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_22_D Series
Reference model	E.403.22.00.D.1
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Overall outside diameter (Da)	403.5 mm
Torriani catalogue dimension U (U)	380 mm
Torriani catalogue dimension O (O)	310 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Di)	235 mm
Torriani catalogue dimension Ha (Ha)	39 mm
Torriani catalogue dimension Hb (Hb)	47 mm
Overall height (H)	55 mm
Mass (Kg)	23 kg
MOUNTING	
Outer ring bolt circle (La)	358 mm
Outer ring mounting-hole count (na)	24
Outer ring mounting-hole specification (da)	13 mm
Inner ring bolt circle (Li)	259 mm
Inner ring mounting-hole count (ni)	28-1
Inner ring mounting-hole specification (di)	13 mm
GEAR	
Gear pitch diameter (P)	396 mm
Gear module (m)	4.5 mm
Gear tooth count (z)	88
PERFORMANCE	
Normal tooth force (Fz_normal)	8.5 kN
Maximum tooth force (Fz_max)	17 kN
PERFORMANCE RATINGS	

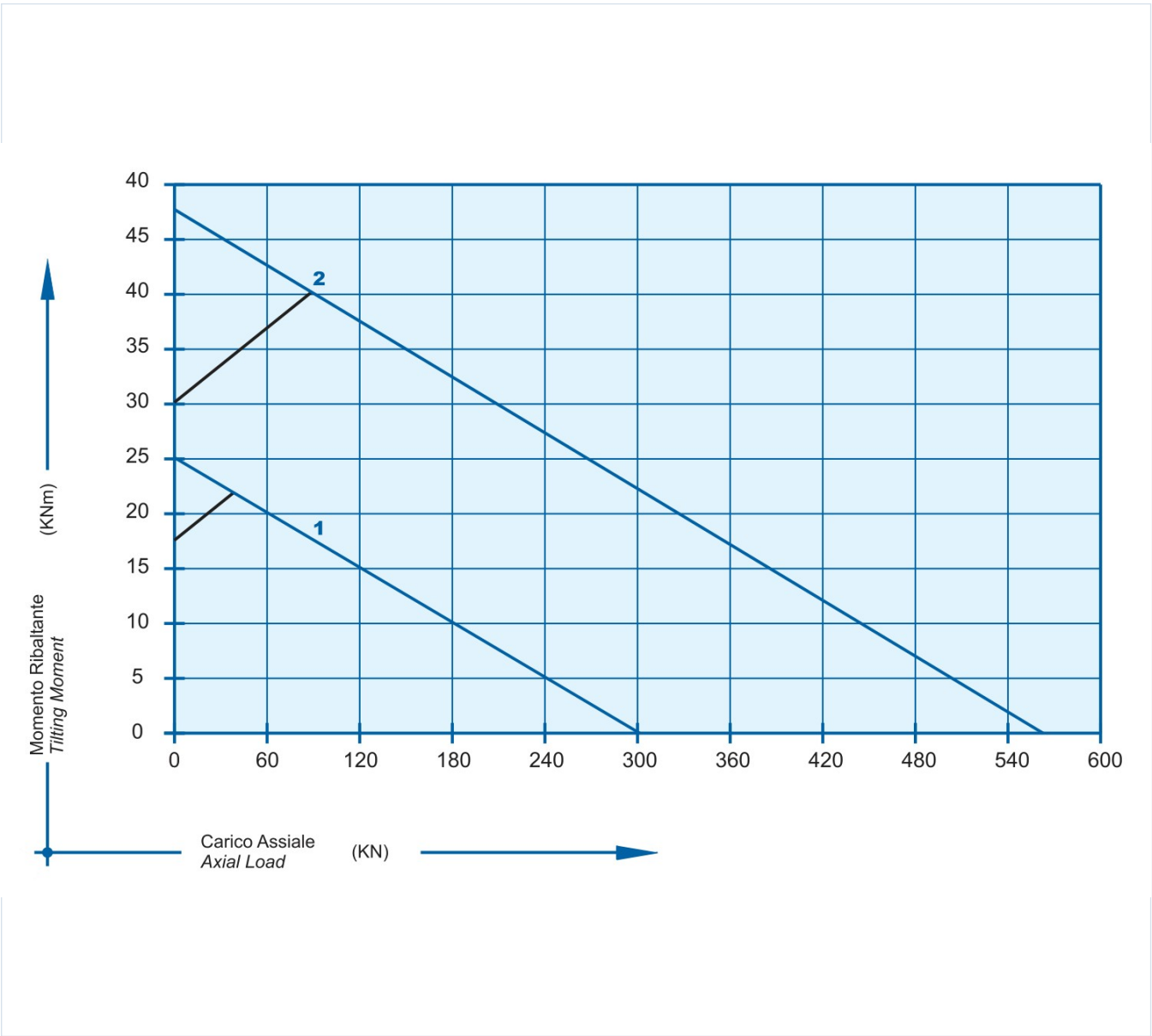
Complete Product Data

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	8.5 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	17 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - da 13 mm
Inner ring mounting	holes - di 13 mm
GEAR INTERFACE	
Pitch system	module
Module reference	4.5 mm
Number of teeth	88
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	22
Printed page	22
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	e_22_d-static-load-curve.webp SHA-256: 15405bf66b92e42a394f7b0235b67dd949919a51b2d1eff193b69c46f9773331
Outline Drawing	e_22_d-drawing.webp SHA-256: 12e8ebf15078796521478c6ac1ac01969e514e8bb20639a647aa6a14d4915f0d

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_22_d-static-load-curve.webp | SHA-256: 15405bf66b92e42a394f7b0235b67dd949919a51b2d1eff193b69c46f9773331

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

33L3GHUJMAF3TBTCTX5P2DDGSF

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-403-22-00-d-1/>

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