

Factory-Verified Replacement

MERYDOM E.1805.45.17.D.3-R

Certified for interchange with Torriani Gianni E.1805.45.17.D.3-R. 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.1805.45.17.D.3-R

REFERENCE

Torriani Gianni E.1805.45.17.D.3-R

SERIES

E_30_45_50_D_R Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

1,805 mm

OVERALL ID

1,437 mm

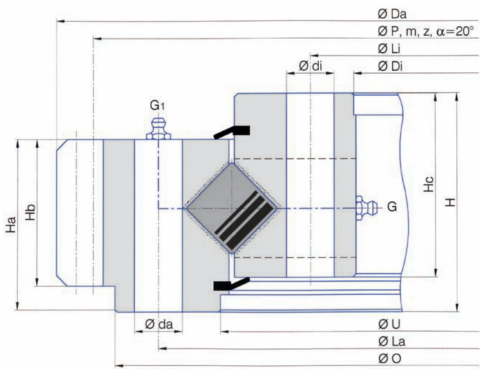
OVERALL HEIGHT

140 mm

GEAR

Dentatura esterna

Published Technical Drawing



e_30_45_50_d_r-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.1805.45.17.D.3-R
Certified interchangeable with	Torriani Gianni E.1805.45.17.D.3-R
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	EIJTP4HPDEDW3RFZNGXGGAZYPS
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_30_45_50_D_R Series
Reference model	E.1805.45.17.D.3-R
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Overall outside diameter (Da)	1.805 mm
Torriani catalogue dimension U (U)	1.730 mm
Torriani catalogue dimension O (O)	1.608 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)	1.437 mm
Torriani catalogue dimension Ha (Ha)	120 mm
Torriani catalogue dimension Hb (Hb)	115 mm
Overall height (H)	140 mm
Mass (Kg)	750 kg
MOUNTING	
Outer ring bolt circle (La)	1.671 mm
Outer ring mounting-hole count (na)	60
Outer ring mounting-hole specification (da)	M27 mm
Inner ring bolt circle (Li)	1.485 mm
Inner ring mounting-hole count (ni)	60
Inner ring mounting-hole specification (di)	30 mm
GEAR	
Gear pitch diameter (P)	1.744 mm
Gear module (m)	16 mm
Gear tooth count (z)	109
PERFORMANCE	
Normal tooth force (Fz_normal)	167 kN
Maximum tooth force (Fz_max)	334 kN
PERFORMANCE RATINGS	

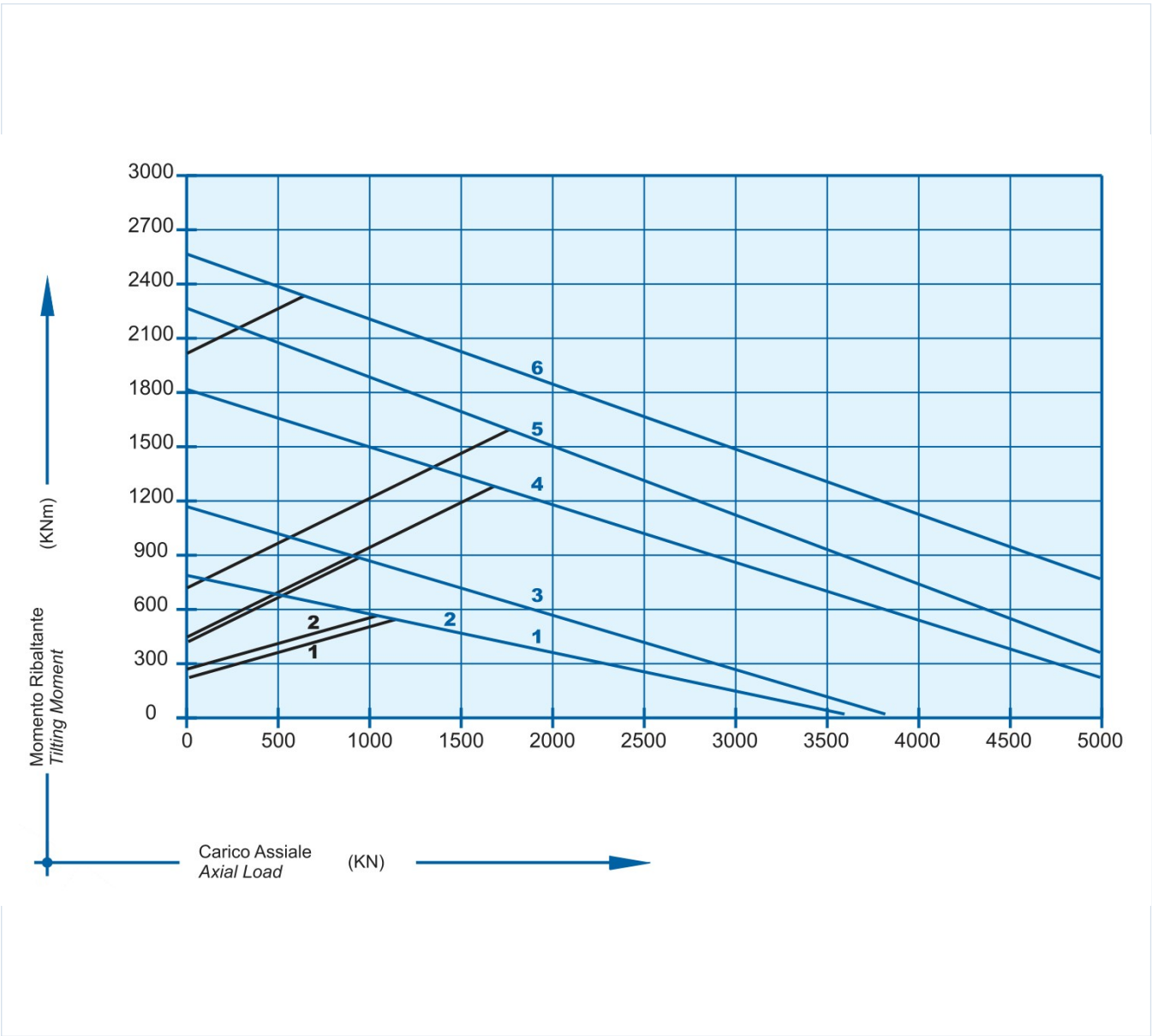
Complete Product Data

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	167 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	334 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	60 holes - da M27
Inner ring mounting	60 holes - di 30 mm
GEAR INTERFACE	
Pitch system	module
Module reference	16 mm
Number of teeth	109
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	26
Printed page	26
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	e_30_45_50_d_r-static-load-curve.webp SHA-256: 84c21e8d0b13287fe3185d5b1177950cd5d90659a568c419de998196da9d13b0
Outline Drawing	e_30_45_50_d_r-drawing.webp SHA-256: c1455855782f5156b2ab765b670add23ffd342f00ac7ba983ebbe1d3943f526a

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_30_45_50_d_r-static-load-curve.webp | SHA-256:
84c21e8d0b13287fe3185d5b1177950cd5d90659a568c419de998196da9d13b0

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

EIJTP4HPDEDW3RFZNGXGGAZYPS

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-1805-45-17-d-3-r/>

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