

Factory-Verified Replacement

MERYDOM I.1750.2.30.20.D.6

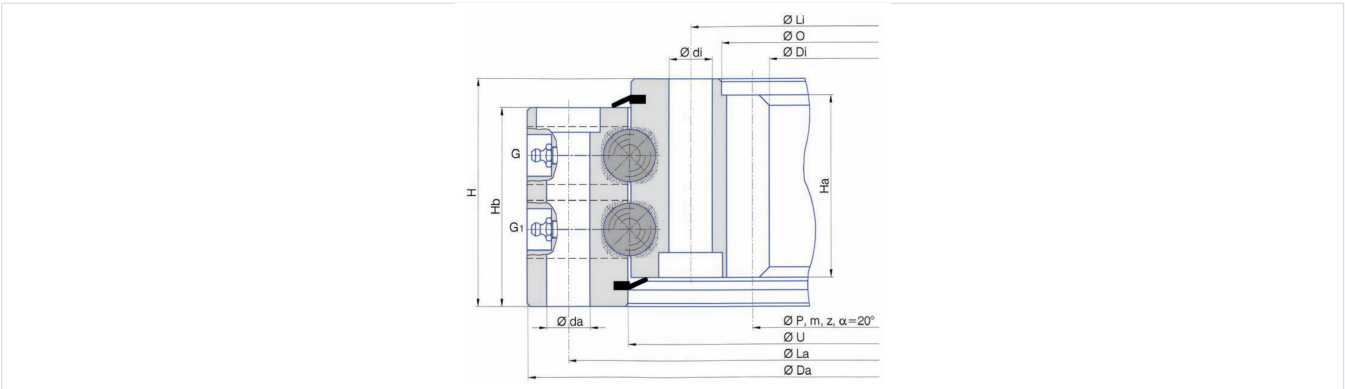
Certified for interchange with Torriani Gianni I.1750.2.30.20.D.6. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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	REFERENCE
I.1750.2.30.20.D.6	Torriani Gianni I.1750.2.30.20.D.6
SERIES	STRUCTURE
I_2_22_25_30_D Series	Four-point contact ball
OVERALL OD	OVERALL ID
1,750 mm	1,418.4 mm
OVERALL HEIGHT	GEAR
120 mm	Internal gear

Published Technical Drawing



i_2_22_25_30_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.1750.2.30.20.D.6
Certified interchangeable with	Torriani Gianni I.1750.2.30.20.D.6
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	NJ4ES5YAQA4WQKYK2VPNMAPQLF
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_2_22_25_30_D Series
Reference model	I.1750.2.30.20.D.6
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Overall outside diameter (Da)	1,750 mm
Torriani catalogue dimension U (U)	1,616 mm
Torriani catalogue dimension O (O)	1,470 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)	1,418.4 mm
Torriani catalogue dimension Ha (Ha)	98 mm
Torriani catalogue dimension Hb (Hb)	110 mm
Overall height (H)	120 mm
Mass (Kg)	564 kg
MOUNTING	
Outer ring bolt circle (La)	1,705 mm
Outer ring mounting-hole count (na)	48
Outer ring mounting-hole specification (da)	25 mm
Inner ring bolt circle (Li)	1,525 mm
Inner ring mounting-hole count (ni)	48
Inner ring mounting-hole specification (di)	25 mm
GEAR	
Gear pitch diameter (P)	1,440 mm
Gear module (m)	12 mm
Gear tooth count (z)	120
PERFORMANCE	
Normal tooth force (Fz_normal)	92 kN
Maximum tooth force (Fz_max)	184 kN
PERFORMANCE RATINGS	

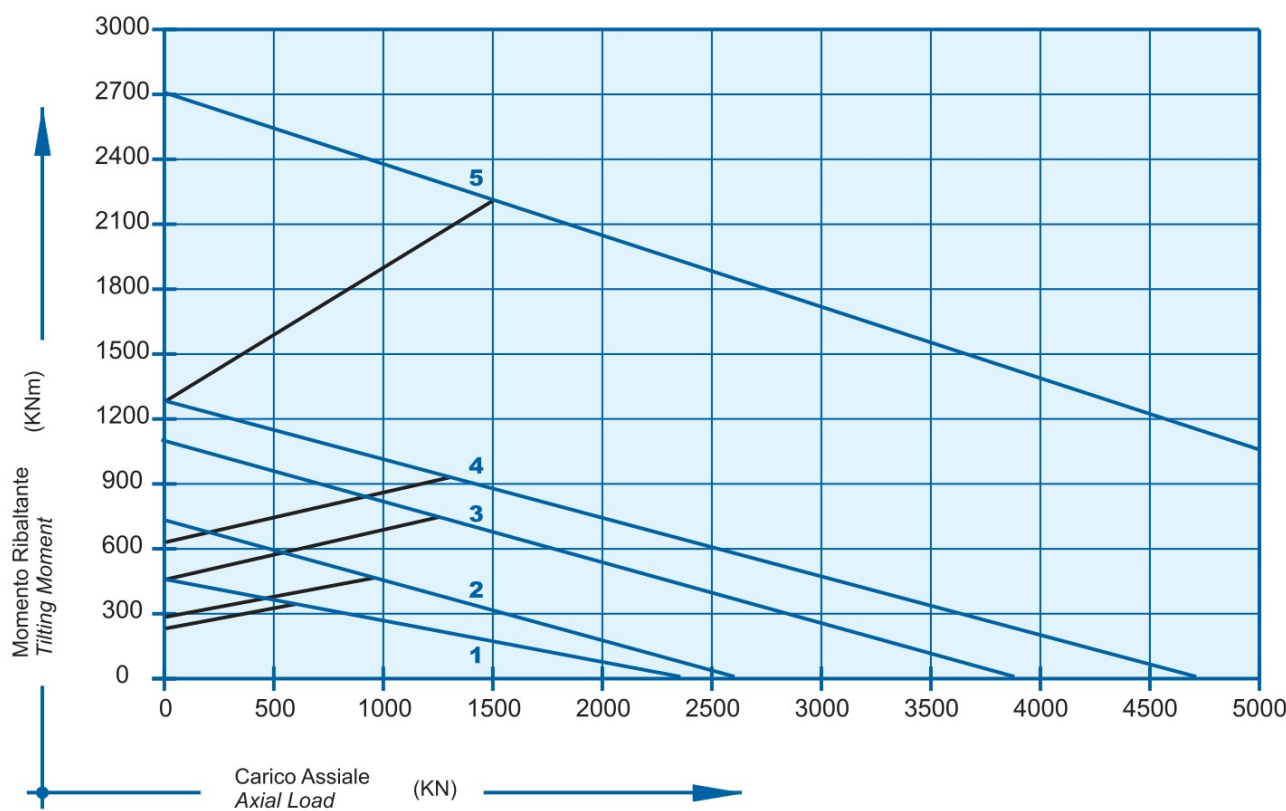
Complete Product Data

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	92 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	184 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - da 25 mm
Inner ring mounting	48 holes - di 25 mm
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	120
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	16
Printed page	16
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_2_22_25_30_d-static-load-curve.webp SHA-256: 8a929693c5c5c9cf294f6df95dbe58bb77a84200cdd4521b9927f710b09d6aeb
Outline Drawing	i_2_22_25_30_d-drawing.webp SHA-256: 50febd277ba0f94457fcc735ae6216caf2ea0011c4de8a6d445db79abe9694b5

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_2_22_25_30_d-static-load-curve.webp | SHA-256:
8a929693c5c9cf294f6df95dbe58bb77a84200cdd4521b9927f710b09d6aeb

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

NJ4ES5YAQA4WQKYK2VPNMAPQLF

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 16 | Printed page 16

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/i-1750-2-30-20-d-6/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.