

Factory-Verified Replacement

MERYDOM I.810.32.00.D.1

Certified for interchange with Torriani Gianni I.810.32.00.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

I.810.32.00.D.1

REFERENCE

Torriani Gianni I.810.32.00.D.1

SERIES

I_32_D Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

810 mm

OVERALL ID

601 mm

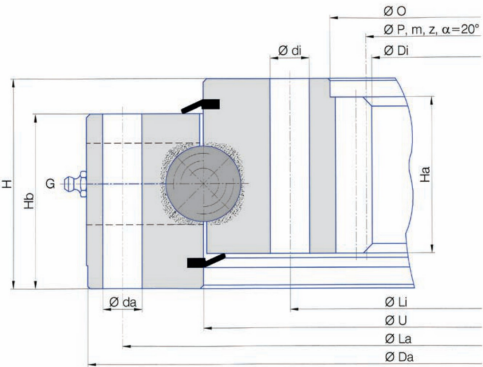
OVERALL HEIGHT

80 mm

GEAR

Engrenagem interna

Published Technical Drawing



i_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	I.810.32.00.D.1
Certified interchangeable with	Torriani Gianni I.810.32.00.D.1
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	Y3LKV7GI7USOBYVQ6CJ4D2YY6
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_32_D Series
Reference model	I.810.32.00.D.1
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Overall outside diameter (Da)	810 mm
Torriani catalogue dimension U (U)	720 mm
Torriani catalogue dimension O (O)	630 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)	601 mm
Torriani catalogue dimension Ha (Ha)	60 mm
Torriani catalogue dimension Hb (Hb)	68 mm
Overall height (H)	80 mm
Mass (Kg)	110 kg
MOUNTING	
Outer ring bolt circle (La)	780 mm
Outer ring mounting-hole count (na)	20
Outer ring mounting-hole specification (da)	18 mm
Inner ring bolt circle (Li)	660 mm
Inner ring mounting-hole count (ni)	20
Inner ring mounting-hole specification (di)	18 mm
GEAR	
Gear pitch diameter (P)	612 mm
Gear module (m)	6 mm
Gear tooth count (z)	102
PERFORMANCE	
Normal tooth force (Fz_normal)	18 kN
Maximum tooth force (Fz_max)	36 kN
PERFORMANCE RATINGS	

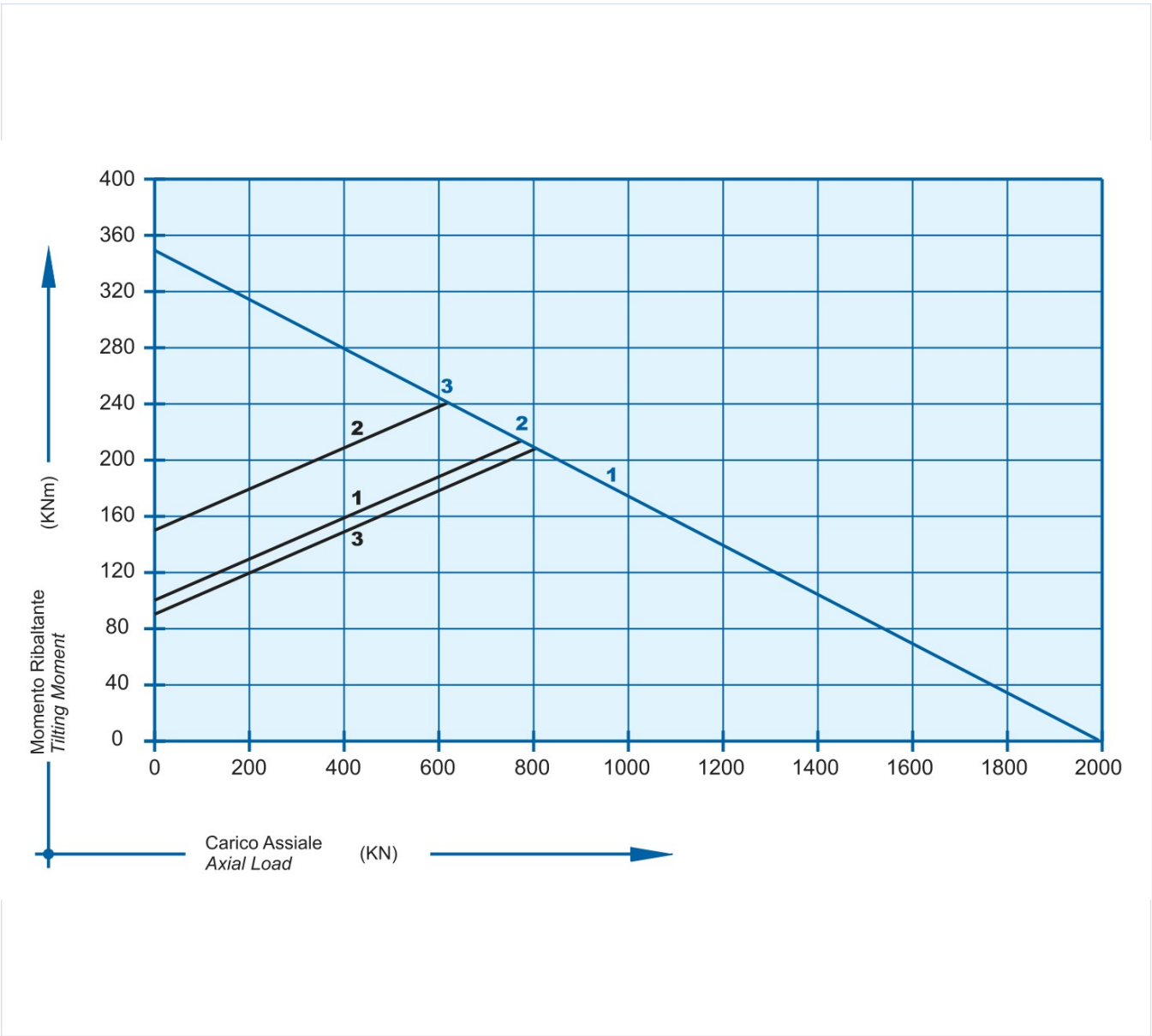
Complete Product Data

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PERFORMANCE RATINGS (CONTINUED)	
Rating Tooth Force Normal	18 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	36 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	20 holes - da 18 mm
Inner ring mounting	20 holes - di 18 mm
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	102
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	15
Printed page	15
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_32_d-static-load-curve.webp SHA-256: c7088c914b07cea5fb4e92fc2de825c33b5179f82e9219ffccb90557263c3c54
Outline Drawing	i_32_d-drawing.webp SHA-256: cf9a2c4f6aea81a6e612a094971ef9ad7b2d1c19f0746865717291d54592c8db

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_32_d-static-load-curve.webp | SHA-256: c7088c914b07cea5fb4e92fc2de825c33b5179f82e9219ffccb90557263c3c54

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

Y3LKV7GI7USOBYVQ6CJ4D2YY6

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 15 | Printed page 15

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/pt/produtos/rolamentos-de-giro-de-substituicao/torriani-gianni/i-810-32-00-d-1/>

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