

Factory-Verified Replacement

MERYDOM I.535.22.00.D.3.V

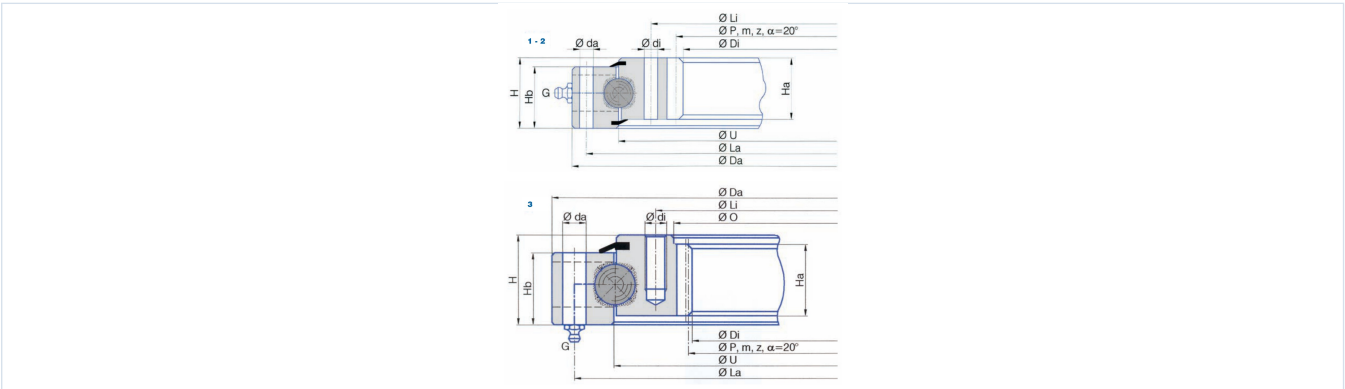
Certified for interchange with Torriani Gianni I.535.22.00.D.3.V. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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.535.22.00.D.3.V	Torriani Gianni I.535.22.00.D.3.V
SERIES	STRUCTURE
I_16_22_D Series	Sfere a quattro punti di contatto
OVERALL OD	OVERALL ID
535 mm	380 mm
OVERALL HEIGHT	GEAR
50 mm	Dentatura interna

Published Technical Drawing



i_16_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	I.535.22.00.D.3.V
Certified interchangeable with	Torriani Gianni I.535.22.00.D.3.V
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SA3HR6WHAADNTMQK3OVOIR2NCZ
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_16_22_D Series
Reference model	I.535.22.00.D.3.V
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura interna
DIMENSION	
Overall outside diameter (Da)	535 mm
Torriani catalogue dimension U (U)	466,5 mm
Torriani catalogue dimension O (O)	400 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Di)	380 mm
Torriani catalogue dimension Ha (Ha)	40 mm
Torriani catalogue dimension Hb (Hb)	40 mm
Overall height (H)	50 mm
Mass (Kg)	32 kg
MOUNTING	
Outer ring bolt circle (La)	510 mm
Outer ring mounting-hole count (na)	16
Outer ring mounting-hole specification (da)	13 mm
Inner ring bolt circle (Li)	420 mm
Inner ring mounting-hole count (ni)	16
Inner ring mounting-hole specification (di)	M12x1.25 mm
GEAR	
Gear pitch diameter (P)	384 mm
Gear module (m)	4 mm
Gear tooth count (z)	96
PERFORMANCE	
Normal tooth force (Fz_normal)	11 kN
Maximum tooth force (Fz_max)	22 kN
PERFORMANCE RATINGS	

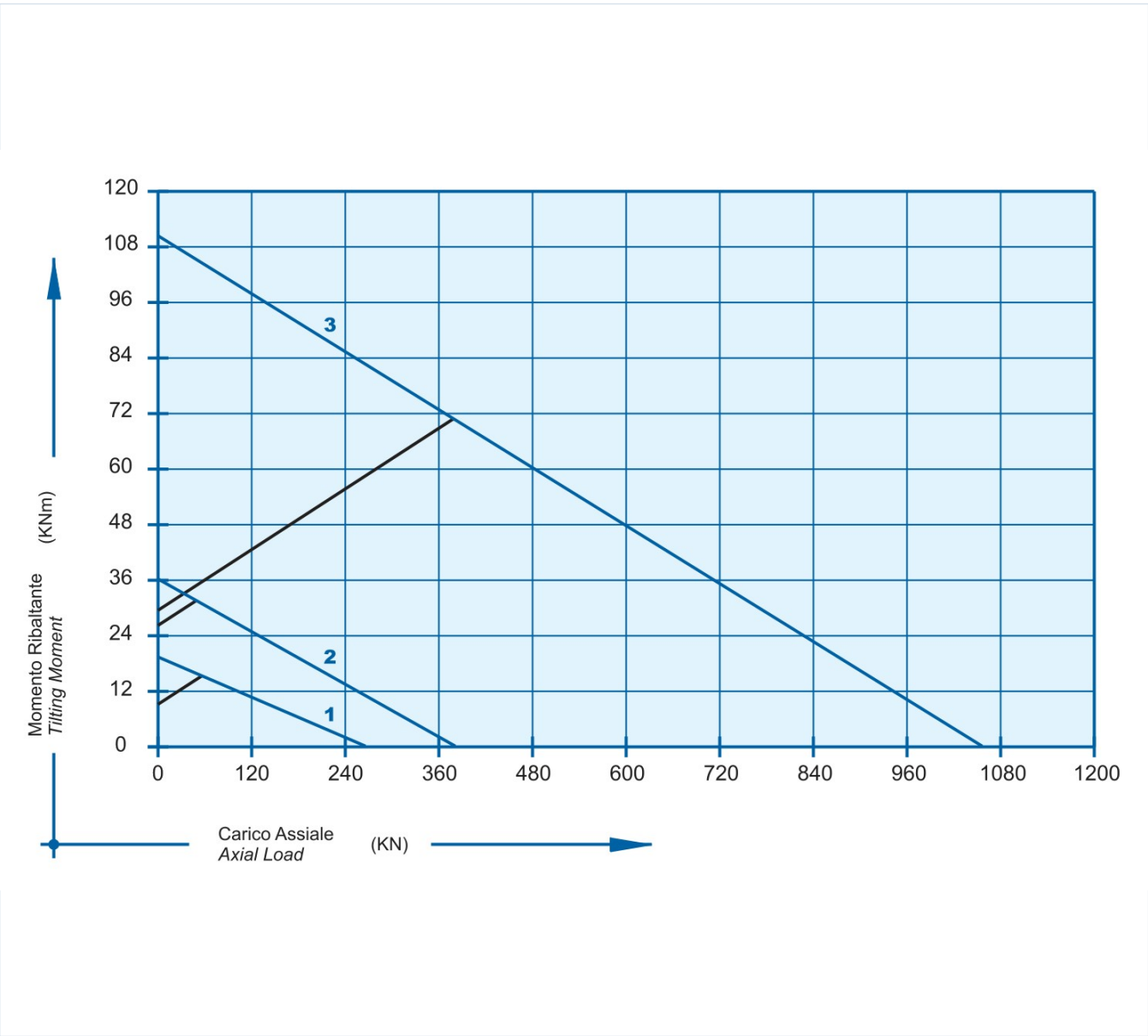
Complete Product Data

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PERFORMANCE RATINGS (CONTINUED)	
Rating Tooth Force Normal	11 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	22 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	16 holes - da 13 mm
Inner ring mounting	16 holes - di M12x1.25
GEAR INTERFACE	
Pitch system	module
Module reference	4 mm
Number of teeth	96
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	13
Printed page	13
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_16_22_d-static-load-curve.webp SHA-256: a1f8dbb33d04a7d5e1d85ebb8c1ee82884c01862cd145477948b1d7f5230d90d
Outline Drawing	i_16_22_d-drawing.webp SHA-256: 5d060bc99620dee44e8cac69abb59956c0b988d734ab8ea31d1f1dedca d3a34c

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_16_22_d-static-load-curve.webp | SHA-256: a1f8dbb33d04a7d5e1d85ebb8c1ee82884c01862cd145477948b1d7f5230d90d

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

SA3HR6WHAADNTMQK3OVOIR2NCZ

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/i-535-22-00-d-3-v/>

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