

MERYDOM 1.800.22.00.A

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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.800.22.00.A
Certified interchangeable with	Torriani Gianni I.800.22.00.A
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	QPM4I4GQUK5XCGTEDCD4VOPGNJ
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_22_A Series
Reference model	I.800.22.00.A
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Overall outside diameter (Da)	805 mm
Torriani catalogue dimension B (B)	739 mm
Torriani catalogue dimension U (U)	687 mm

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DIMENSION (CONTINUED)	
Overall inside diameter (Di)	636 mm
Mass (Kg)	68 kg
GEAR	
Gear pitch diameter (P)	648 mm
Gear module (m)	6 mm
Gear tooth count (z)	108
PERFORMANCE	
Normal tooth force (Fz_normal)	16.3 kN
Maximum tooth force (Fz_max)	32.6 kN
PERFORMANCE RATINGS	
Rating Tooth Force Normal	16.3 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	32.6 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	holes -
Inner ring mounting	holes -
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	108
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG

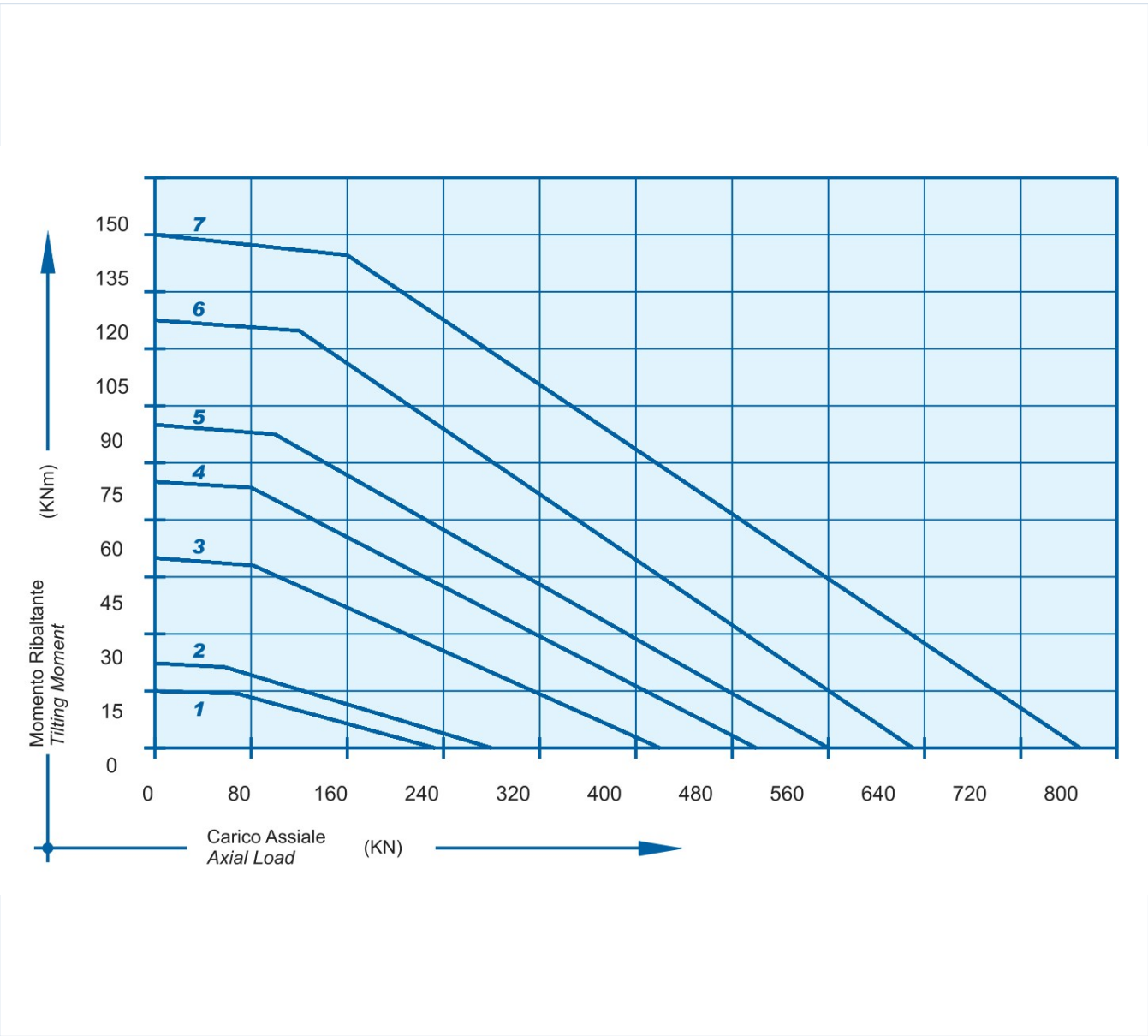
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY (CONTINUED)	
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	6
Printed page	6
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_22_a-static-load-curve.webp SHA-256: a25aa0fd73e7b85fbd416e293afbb54641c249288e65b738debce11f3456bdb5
Outline Drawing	i_22_a-drawing.webp SHA-256: 0c6eab96b8b1ce6149c14fc6c2b49dca636f9e6d12ee782a7ef9d6a12ae7ae71

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_22_a-static-load-curve.webp | SHA-256: a25aa0fd73e7b85fbd416e293afbb54641c249288e65b738debce11f3456bdb5

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 QPM4I4GQUK5XCGTEDCD4VOPGNJ	SOURCE DOCUMENT TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
SOURCE FILE catalogo-torriani-cuscinetti-a-sfere.pdf	SOURCE LOCATION PDF page 6 Printed page 6
VERIFICATION Level 3 - MERYDOM Engineering Verified	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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/torriani-gianni/i-800-22-00-a/>

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