

Factory-Verified Replacement

MERYDOM I.700.22.00.A-T

Certified for interchange with Torriani Gianni I.700.22.00.A-T. 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.700.22.00.A-T

REFERENCE
Torriani Gianni I.700.22.00.A-T

SERIES
I_22_A_T Series

STRUCTURE
Sfere a quattro punti di contatto

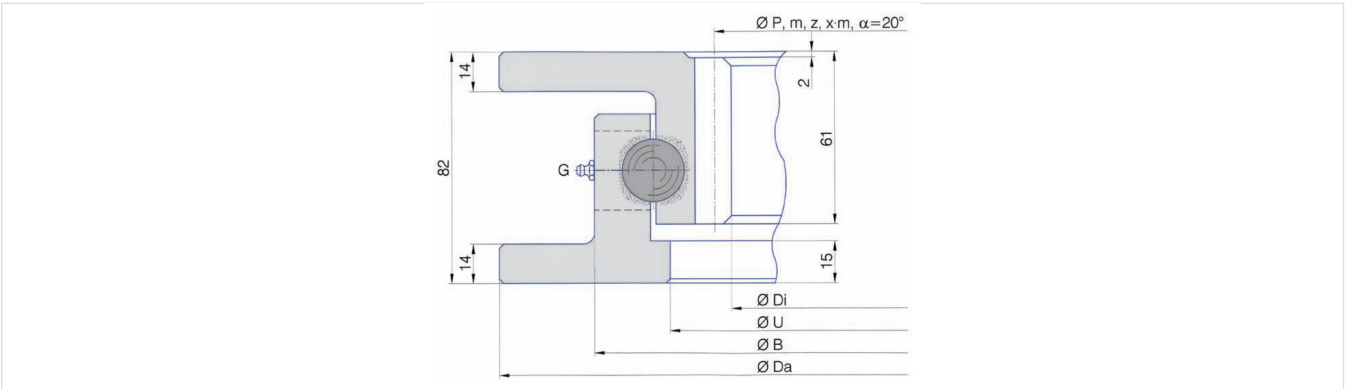
OVERALL OD
699 mm

OVERALL ID
530 mm

OVERALL HEIGHT
mm

GEAR
Dentatura interna

Published Technical Drawing



i_22_a_t-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.700.22.00.A-T
Certified interchangeable with	Torriani Gianni I.700.22.00.A-T
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	MCOSEWZUT77HEWETDX3DR3EKKN
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_T Series
Reference model	I.700.22.00.A-T
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura interna
DIMENSION	
Overall outside diameter (Da)	699 mm
Torriani catalogue dimension B (B)	631 mm
Torriani catalogue dimension U (U)	579 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)	530 mm
Mass (Kg)	59 kg
GEAR	
Gear pitch diameter (P)	540 mm
Gear module (m)	5 mm
Gear tooth count (z)	108
PERFORMANCE	
Normal tooth force (Fz_normal)	11,3 kN
Maximum tooth force (Fz_max)	22,6 kN
PERFORMANCE RATINGS	
Rating Tooth Force Normal	11,3 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	22,6 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	5 mm
Number of teeth	108
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG

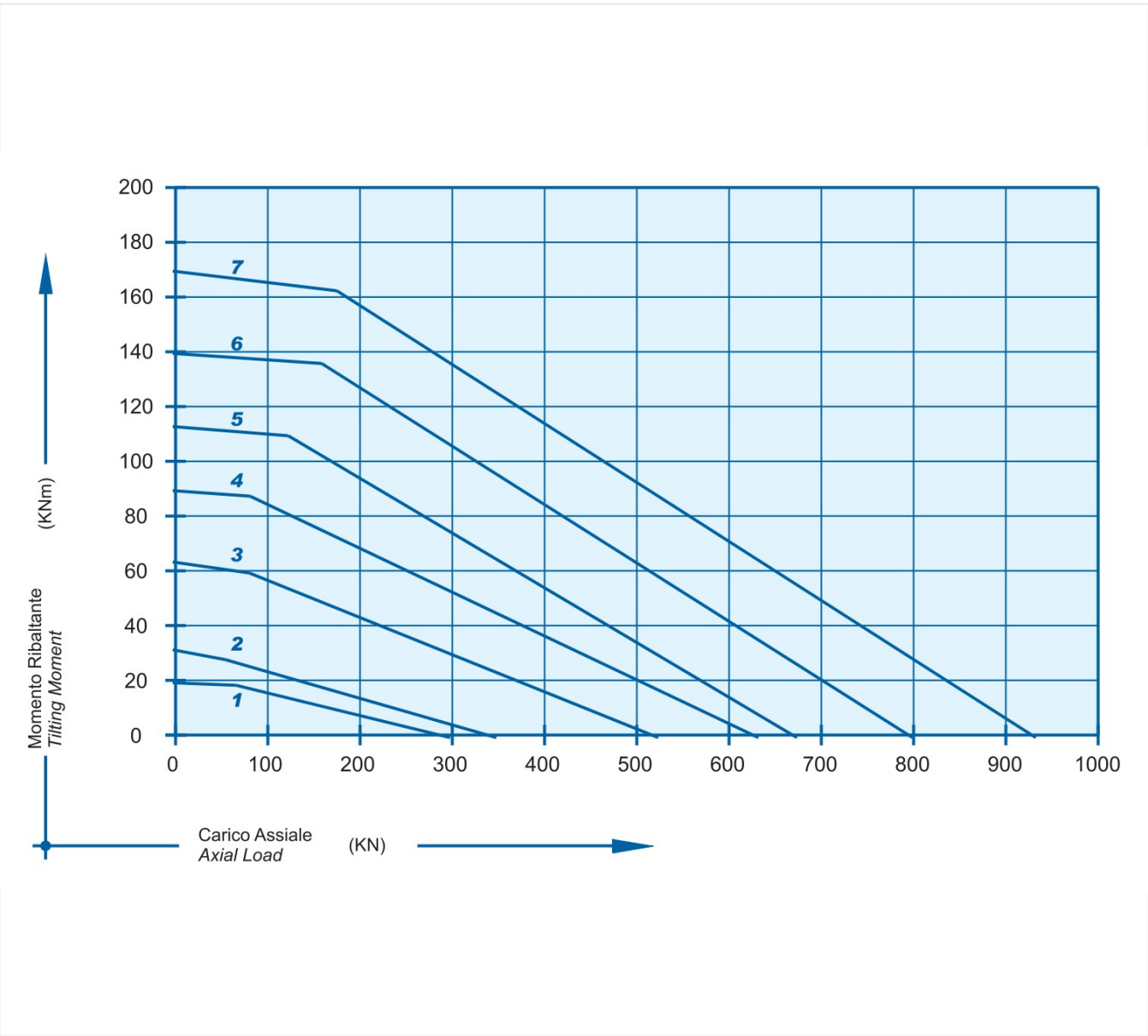
Complete Product Data

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	7
Printed page	7
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_22_a_t-static-load-curve.webp SHA-256: 39bb963665aed1fea4f0efe28198cad92ab4639432a8d1a7b7f7aef41e019972
Outline Drawing	i_22_a_t-drawing.webp SHA-256: 1f7df92120cb55992294068ba4cdb17fd078beaf5b0900b23c8b016492b3465d

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_t-static-load-curve.webp | SHA-256: 39bb963665aed1fea4f0efe28198cad92ab4639432a8d1a7b7f7aef41e019972

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

MCOSEWZUT77HEWETDX3DR3EKKN

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 7 | Printed page 7

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-700-22-00-a-t/>

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.