

MERYDOM I.1600.32.00.C

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

MERYDOM MODEL

I.1600.32.00.C

SERIES

I_32_C Series

OVERALL OD

1,600 mm

OVERALL HEIGHT

mm

REFERENCE

Torriani Gianni I.1600.32.00.C

STRUCTURE

Esferas de contato de quatro pontos

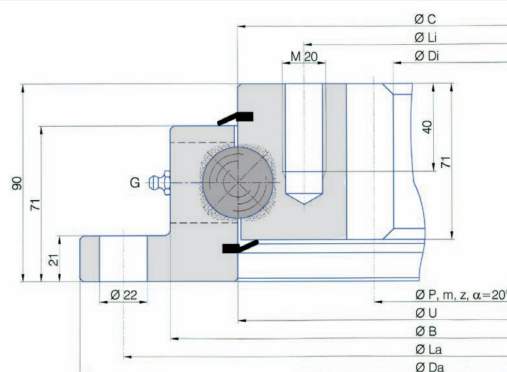
OVERALL ID

1,310 mm

GEAR

Engrenagem interna

Published Technical Drawing



i_32_c-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.1600.32.00.C
Certified interchangeable with	Torriani Gianni I.1600.32.00.C
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	HITAMVRPSANJGZB6UKKL3XC7R7
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_C Series
Reference model	I.1600.32.00.C
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Overall outside diameter (Da)	1.600 mm
Torriani catalogue dimension B (B)	1.517 mm
Torriani catalogue dimension U (U)	1.455 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)	
Torriani catalogue dimension C (C)	1.455 mm
Overall inside diameter (Di)	1.310 mm
Mass (Kg)	243 kg
MOUNTING	
Outer ring bolt circle (La)	1.560 mm
Outer ring mounting-hole count (na)	48
Inner ring bolt circle (Li)	1.394 mm
Inner ring mounting-hole count (ni)	48
GEAR	
Gear pitch diameter (P)	1.330 mm
Gear module (m)	10 mm
Gear tooth count (z)	133
PERFORMANCE	
Normal tooth force (Fz_normal)	42,1 kN
Maximum tooth force (Fz_max)	84,2 kN
PERFORMANCE RATINGS	
Rating Tooth Force Normal	42,1 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	84,2 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes -

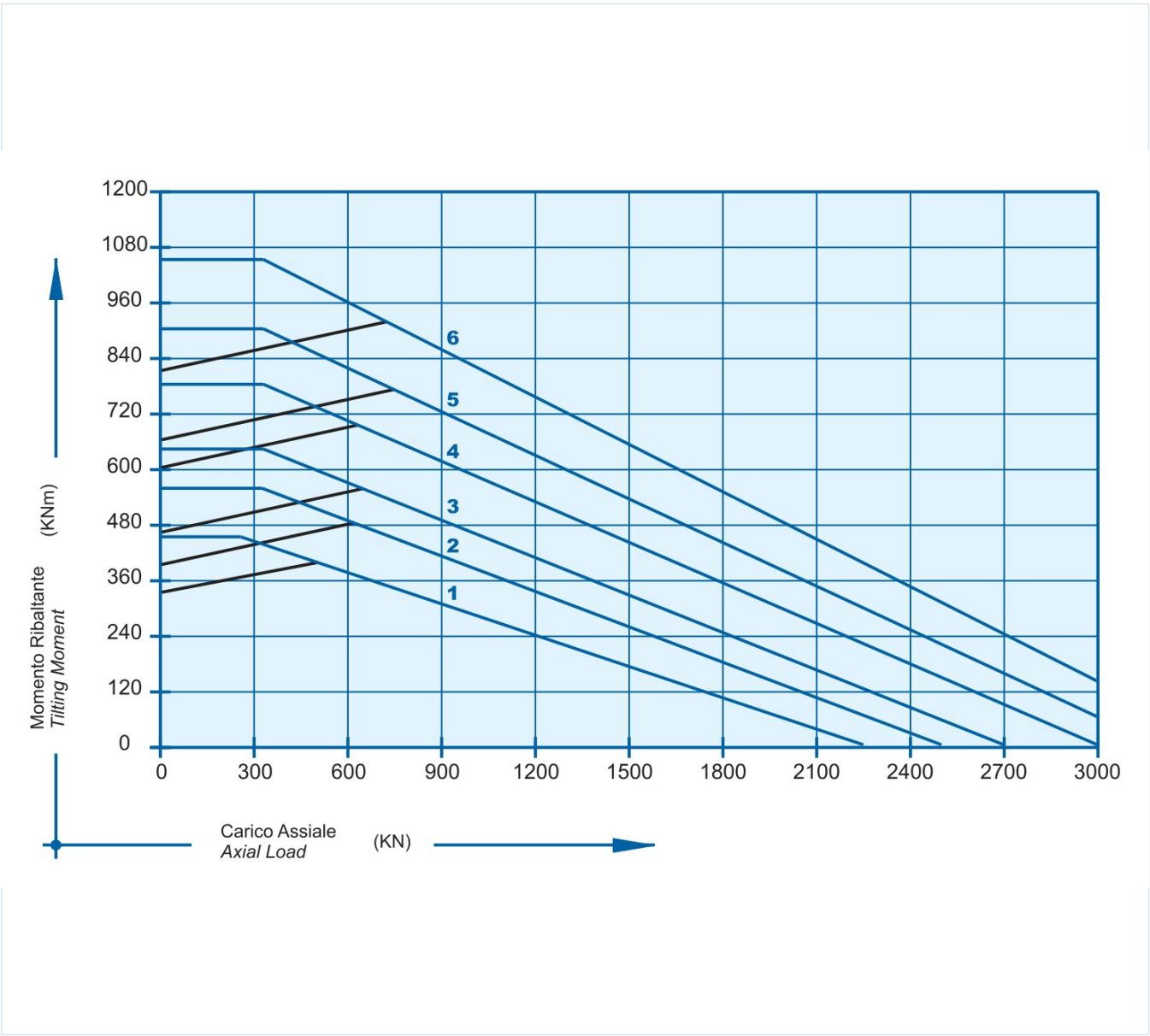
Complete Product Data

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

MOUNTING INTERFACES (CONTINUED)	
Inner ring mounting	48 holes -
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	133
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	12
Printed page	12
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_32_c-static-load-curve.webp SHA-256: 2ac0c47a5a83adf8457572c8ce7f75d99ca8f051c8fe79fb3768b79ca4a625f4
Outline Drawing	i_32_c-drawing.webp SHA-256: 4385bce5c7c9a612044e985f963f07204efeea2ea413304f8ffda2f2ef4d08c0

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_c-static-load-curve.webp | SHA-256: 2ac0c47a5a83adf8457572c8ce7f75d99ca8f051c8fe79fb3768b79ca4a625f4

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

HITAMVRPSANJGZB6UKKL3XC7R7

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 12 | Printed page 12

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-1600-32-00-c/>

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.