

MERYDOM I.1200.32.00.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.1200.32.00.C

SERIES

I_32_C Series

OVERALL OD

1,200 mm

OVERALL HEIGHT

mm

REFERENCE

Torriani Gianni I.1200.32.00.C

STRUCTURE

Sfere a quattro punti di contatto

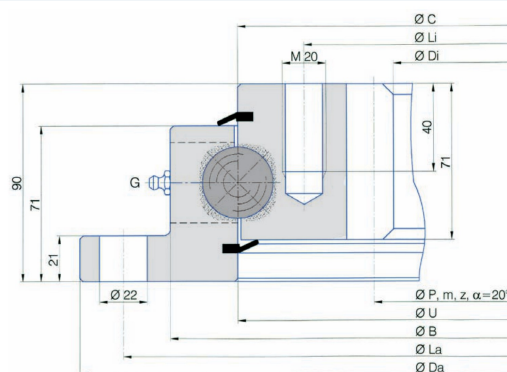
OVERALL ID

912 mm

GEAR

Dentatura 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.1200.32.00.C
Certified interchangeable with	Torriani Gianni I.1200.32.00.C
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	KOLMFKKLOANEYSGJR5MG5OZ7QG
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.1200.32.00.C
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura interna
DIMENSION	
Overall outside diameter (Da)	1.200 mm
Torriani catalogue dimension B (B)	1.117 mm
Torriani catalogue dimension U (U)	1.055 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Torriani catalogue dimension C (C)	1.055 mm
Overall inside diameter (Di)	912 mm
Mass (Kg)	176 kg
MOUNTING	
Outer ring bolt circle (La)	1.160 mm
Outer ring mounting-hole count (na)	30
Inner ring bolt circle (Li)	994 mm
Inner ring mounting-hole count (ni)	30
GEAR	
Gear pitch diameter (P)	930 mm
Gear module (m)	10 mm
Gear tooth count (z)	93
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	30 holes -

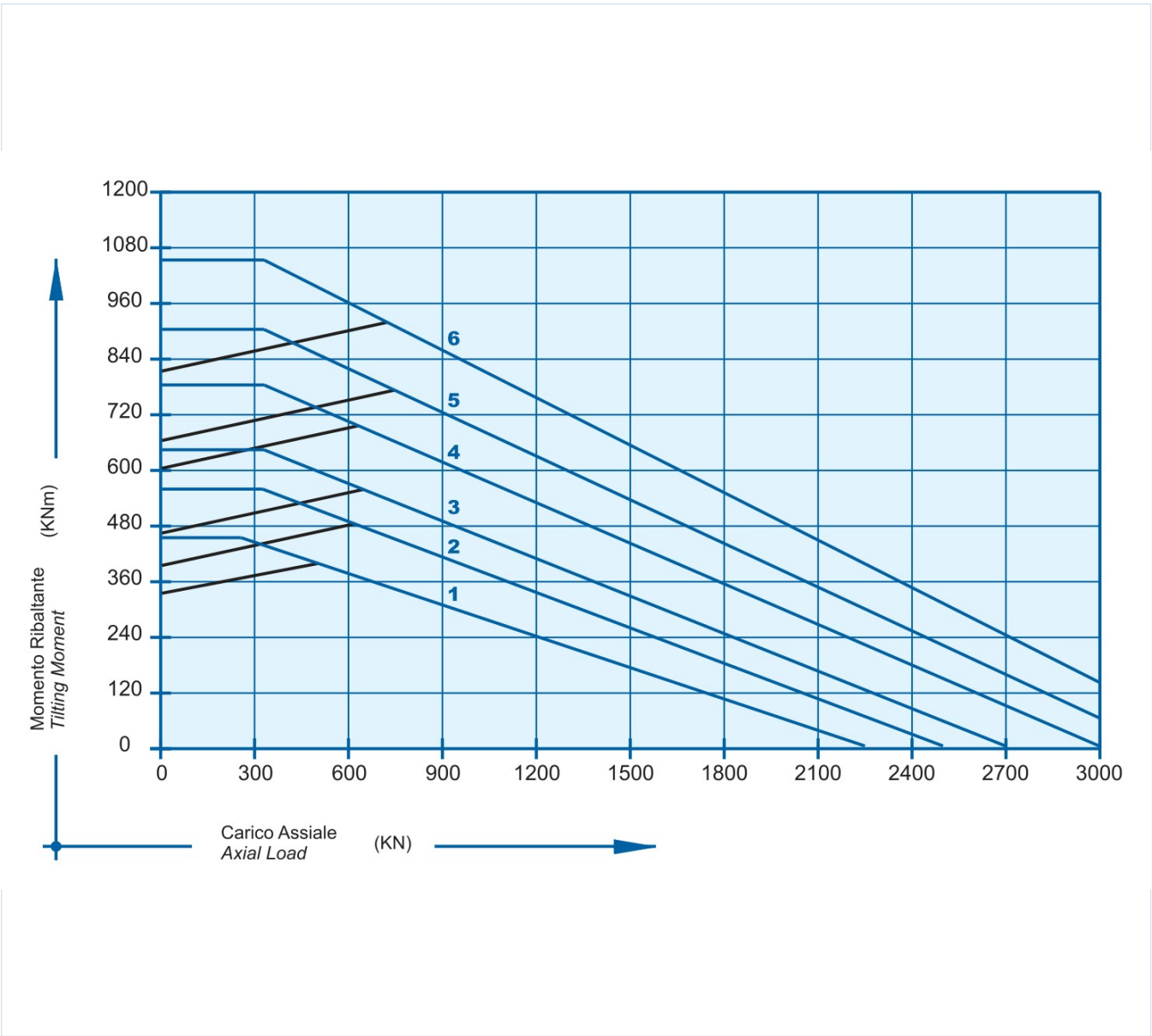
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MOUNTING INTERFACES (CONTINUED)	
Inner ring mounting	30 holes -
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	93
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
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 KOLMFKKLOANEYSGJR5MG5OZ7QG	SOURCE DOCUMENT TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
SOURCE FILE catalogo-torriani-cuscinetti-a-sfere.pdf	SOURCE LOCATION PDF page 12 Printed page 12
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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/torriani-gianni/i-1200-32-00-c/>

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