Factory-Verified Replacement

MERYDOM I.505.20.00.C

Certified for interchange with Torriani Gianni I.505.20.00.C. 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.505.20.00.C

REFERENCE

Torriani Gianni I.505.20.00.C

SERIES

I_20_C Series

STRUCTURE

D rt nokta temasl bilyal

OVERALL OD

518 mm

OVERALL ID

326.5 mm

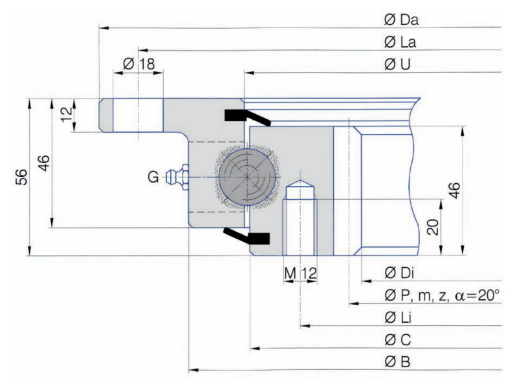
OVERALL HEIGHT

mm

GEAR

ten di li

Published Technical Drawing



i_20_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.505.20.00.C
Certified interchangeable with	Torriani Gianni I.505.20.00.C
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	5X42YXEWPHUPVCVMBP5MBUF2SC
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_20_C Series
Reference model	I.505.20.00.C
Bearing structure	D rt nokta temasl bilyal
Gear arrangement	ten di li
DIMENSION	
Overall outside diameter (Da)	518 mm
Torriani catalogue dimension B (B)	453 mm
Torriani catalogue dimension U (U)	415,5 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)	412,5 mm
Overall inside diameter (Di)	326,5 mm
Mass (Kg)	27 kg
MOUNTING	
Outer ring bolt circle (La)	490 mm
Outer ring mounting-hole count (na)	8
Inner ring bolt circle (Li)	375 mm
Inner ring mounting-hole count (ni)	12
GEAR	
Gear pitch diameter (P)	335 mm
Gear module (m)	5 mm
Gear tooth count (z)	67
PERFORMANCE	
Normal tooth force (Fz_normal)	11,4 kN
Maximum tooth force (Fz_max)	22,8 kN
PERFORMANCE RATINGS	
Rating Tooth Force Normal	11,4 kN | Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	22,8 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	8 holes -

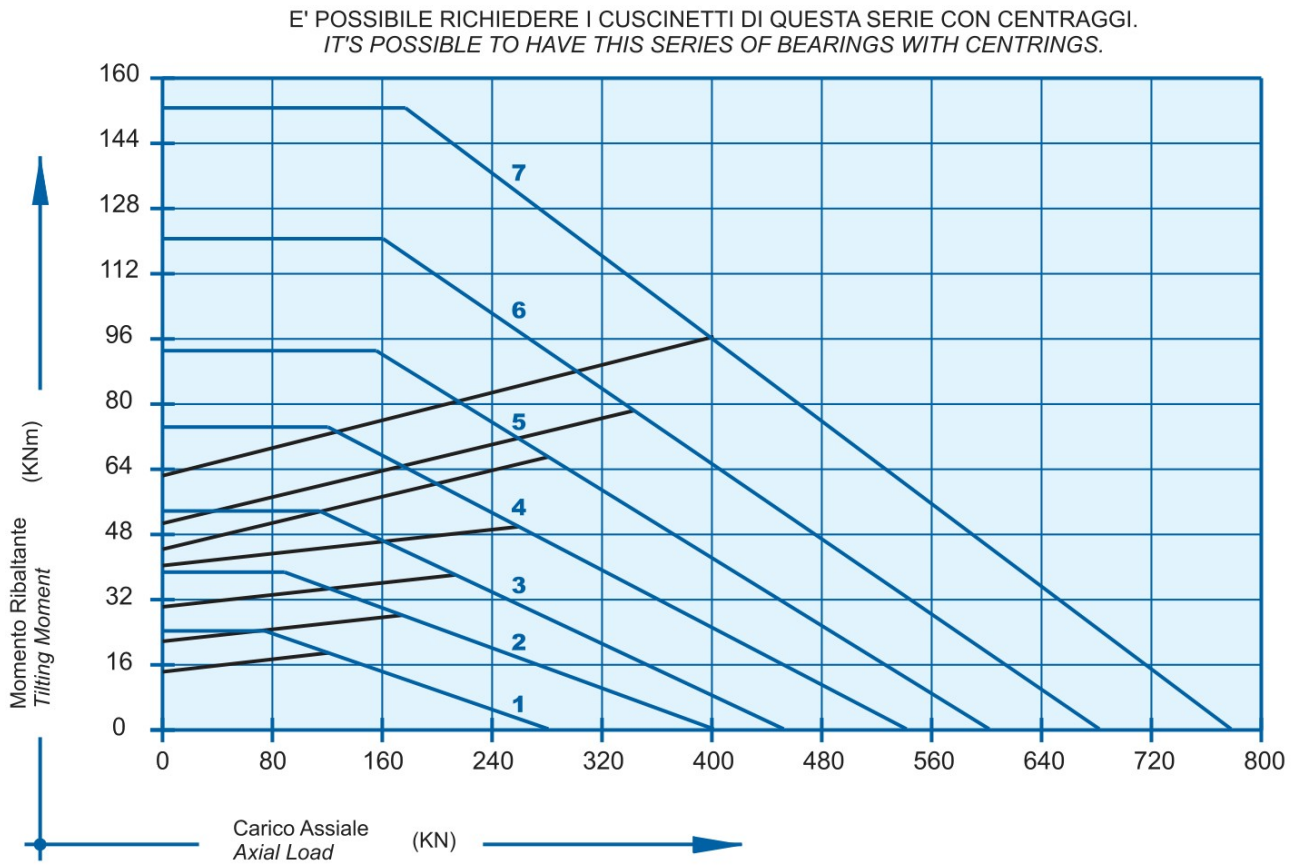
Complete Product Data

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	12 holes -
GEAR INTERFACE	
Pitch system	module
Module reference	5 mm
Number of teeth	67
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	11
Printed page	11
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_20_c-static-load-curve.webp | SHA-256: 5a135f87a9d1b4e0c9e31fa5ef65c7ad6c35426bcb65e6223baae2b57905e25b
Outline Drawing	i_20_c-drawing.webp | SHA-256: a75859a2429bfb8ebc842f0647e12ea679d7b4dd13ab9651bbd3406739686c3c

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_20_c-static-load-curve.webp | SHA-256: 5a135f87a9d1b4e0c9e31fa5ef65c7ad6c35426bcb65e6223baae2b57905e25b

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

5X42YXEWPHUPVCVMBP5MBUF2SC

SOURCE DOCUMENT

TORRIANI_GIANNI_BALL_BEARINGS_CATALOG

SOURCE FILE

catalogo-torriani-cuscinetti-a-sfere.pdf

SOURCE LOCATION

PDF page 11 | Printed page 11

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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/torriani-gianni/i-505-20-00-c/