

Factory-Verified Replacement

MERYDOM I.1770.50.17.D.1-RV

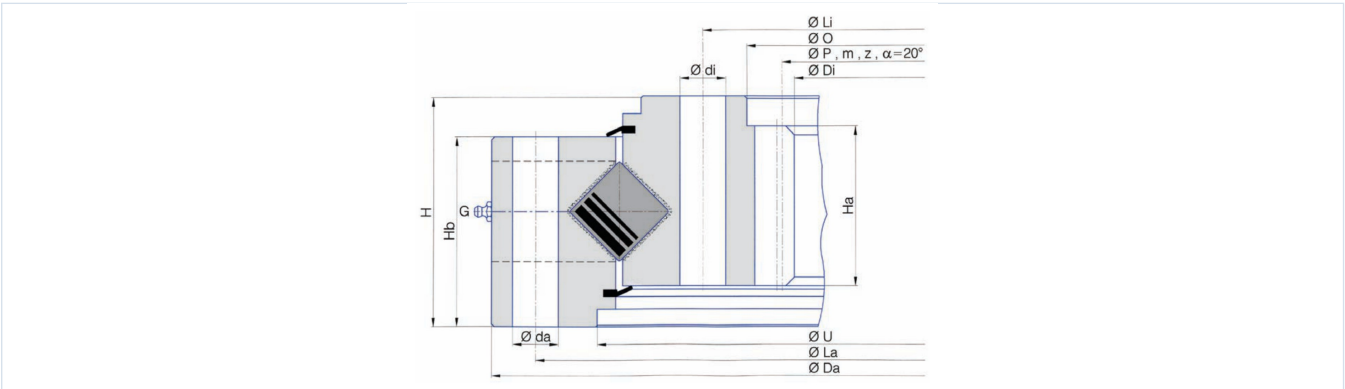
Certified for interchange with Torriani Gianni I.1770.50.17.D.1-RV. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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	REFERENCE
I.1770.50.17.D.1-RV	Torriani Gianni I.1770.50.17.D.1-RV
SERIES	STRUCTURE
I_25_30_40_50_D_R Series	Esferas de contato de quatro pontos
OVERALL OD	OVERALL ID
1,760 mm	1,375 mm
OVERALL HEIGHT	GEAR
150 mm	Engrenagem interna

Published Technical Drawing



i_25_30_40_50_d_r-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.1770.50.17.D.1-RV
Certified interchangeable with	Torriani Gianni I.1770.50.17.D.1-RV
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	RM6YBOZK4VH62BTL7NW2OAMO6Y
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_25_30_40_50_D_R Series
Reference model	I.1770.50.17.D.1-RV
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Overall outside diameter (Da)	1.760 mm
Torriani catalogue dimension U (U)	1.608 mm
Torriani catalogue dimension O (O)	1.440 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (Di)	1.375 mm
Torriani catalogue dimension Ha (Ha)	110 mm
Torriani catalogue dimension Hb (Hb)	125 mm
Overall height (H)	150 mm
Mass (Kg)	845 kg
MOUNTING	
Outer ring bolt circle (La)	1.710 mm
Outer ring mounting-hole count (na)	48
Outer ring mounting-hole specification (da)	31 mm
Inner ring bolt circle (Li)	1.500 mm
Inner ring mounting-hole count (ni)	48
Inner ring mounting-hole specification (di)	31 mm
GEAR	
Gear pitch diameter (P)	1.400 mm
Gear module (m)	14 mm
Gear tooth count (z)	100
PERFORMANCE	
Normal tooth force (Fz_normal)	120 kN
Maximum tooth force (Fz_max)	240 kN
PERFORMANCE RATINGS	

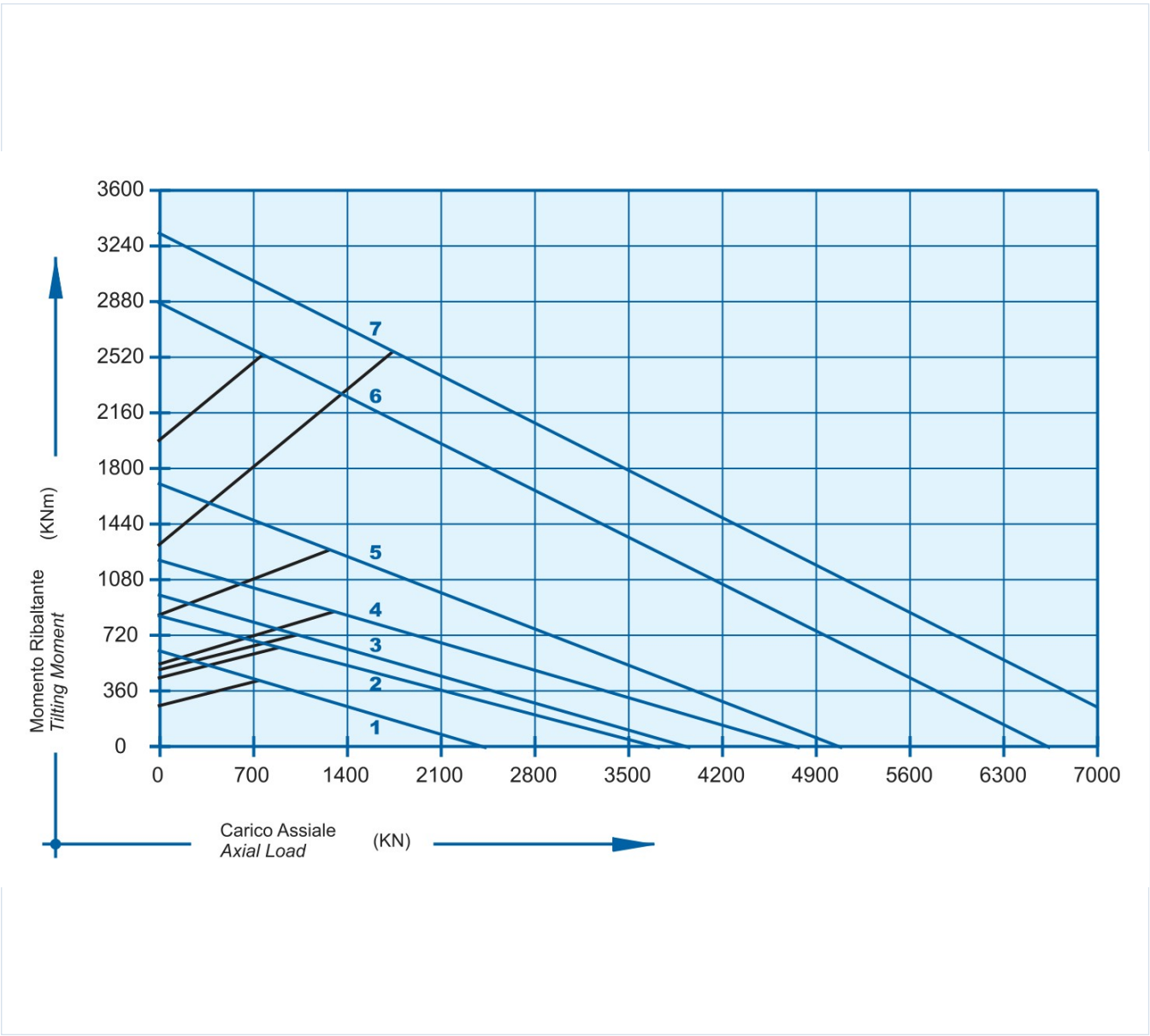
Complete Product Data

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PERFORMANCE RATINGS (CONTINUED)	
Rating Tooth Force Normal	120 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	240 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - da 31 mm
Inner ring mounting	48 holes - di 31 mm
GEAR INTERFACE	
Pitch system	module
Module reference	14 mm
Number of teeth	100
SOURCE TRACEABILITY	
Source document code	TORRIANI_GIANNI_BALL_BEARINGS_CATALOG
Source file	catalogo-torriani-cuscinetti-a-sfere.pdf
PDF page	17
Printed page	17
Source language	IT-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	i_25_30_40_50_d_r-static-load-curve.webp SHA-256: 66b906cb4198099bfb534842664bb40fee555f3fe57d77dac389594e92c472fc
Outline Drawing	i_25_30_40_50_d_r-drawing.webp SHA-256: 36467aaddab979d0f7c3d120cef188a0a9f16153afd23a8244155cd45881c50e

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_25_30_40_50_d_r-static-load-curve.webp | SHA-256:
66b906cb4198099bfb534842664bb40fee555f3fe57d77dac389594e92c472fc

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

RM6YBOZK4VH62BTL7NW2OAMO6Y

SOURCE FILE

catalogo-torriani-cuscinetti-a-sfere
.pdf

VERIFICATION

Level 3 - MERYDOM Engineering
Verified

SOURCE DOCUMENT

TORRIANI_GIANNI_BALL_BEARINGS_CATALOG

SOURCE LOCATION

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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-1770-50-17-d-1-rv/>

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