

MERYDOM 12-32 1384/2-04719

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

12-32 1384/2-04719

IMO 12-32 1384/2-04719

OTHER_STANDARD_BALL Series

Four-point contact ball

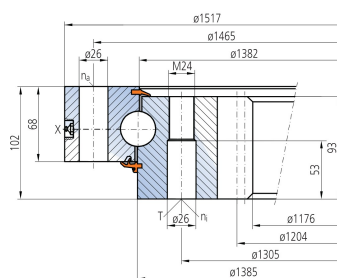
mm

mm

mm

Internal gear

Published Technical Drawing



imo-12321384204719-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	12-32 1384/2-04719
Certified interchangeable with	IMO 12-32 1384/2-04719
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	HX62COXORBCLPNZGSQ3FAAM4LD
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	IMO
Reference series	OTHER_STANDARD_BALL Series
Reference model	12-32 1384/2-04719
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Assembly weight (G)	289 kg
MOUNTING	
Outer ring mounting-hole count (na)	60

Complete Product Data

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	60
GEAR	
Gear module (m)	12 mm
Gear tooth count (z)	103
Addendum modification coefficient (x)	-0.5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	81 kN
Permitted circumferential force, maximum (fz_max)	138 kN
Static radial load rating (Co_rad)	1,865 kN
Static axial load rating (Co_ax)	4,990 kN
Dynamic radial load rating (C_rad)	635 kN
Dynamic axial load rating (C_ax)	740 kN
PERFORMANCE RATINGS	
Fz Norm	81 kN Not simultaneous with other listed dynamic ratings
Fz Max	138 kN Not simultaneous with other listed dynamic ratings
Co Rad	1,865 kN Not simultaneous with other listed dynamic ratings
Co Ax	4,990 kN Not simultaneous with other listed dynamic ratings
C Rad	635 kN Not simultaneous with other listed dynamic ratings
C Ax	740 kN Not simultaneous with other listed dynamic ratings

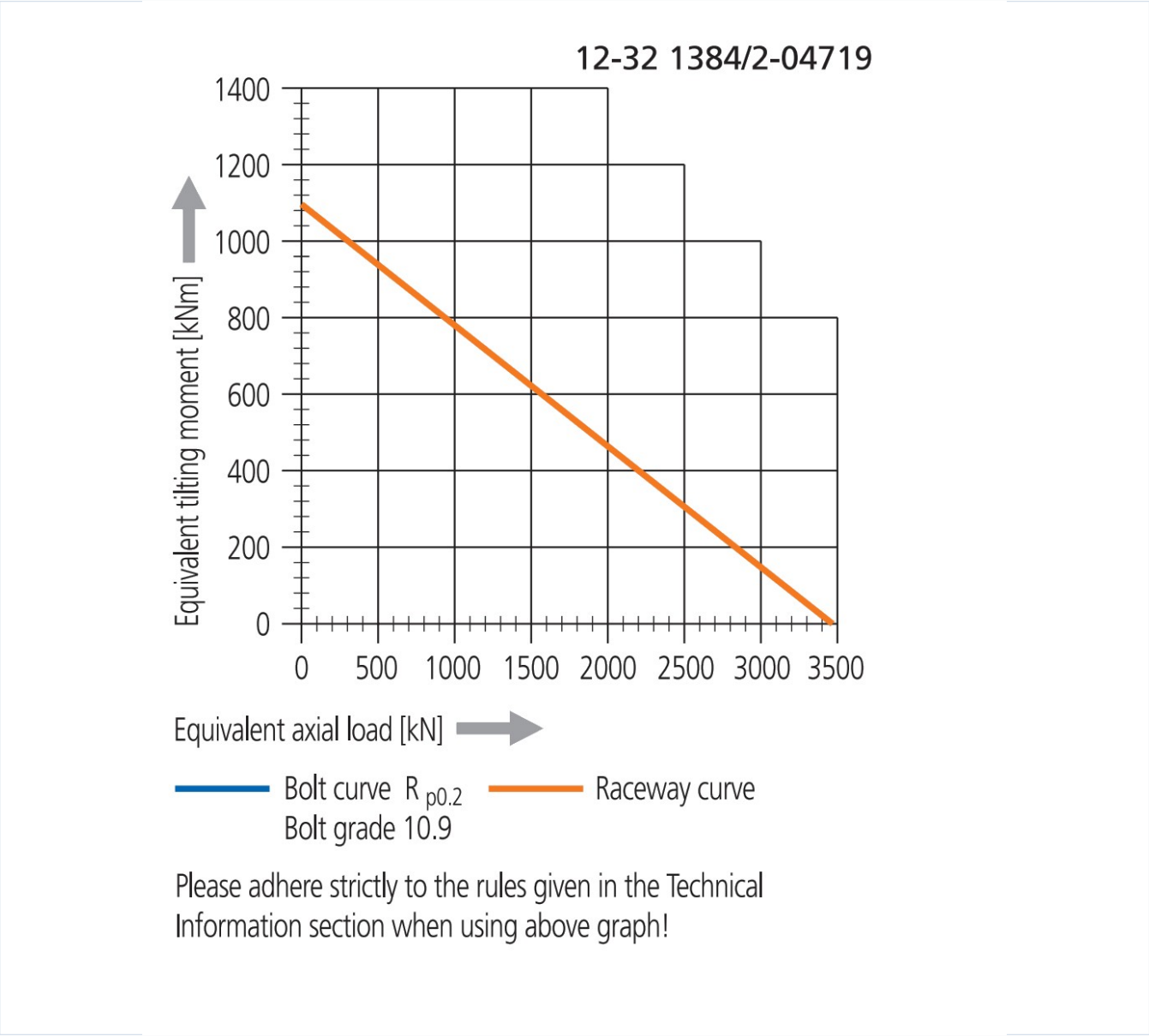
Complete Product Data

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	
Outer ring mounting	60 holes - See source drawing
Inner ring mounting	60 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	103
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	31
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-12321384204719-curve.webp SHA-256: 16cff83b81f074211b4191c9c05428d81f0982cb5161104a544e3cbd111aa66f
Outline Drawing	imo-12321384204719-drawing.webp SHA-256: 9f8888ac33591a86bdd1895433d3633031d1df8ad172a6d82bec4eb0d0564be

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.



imo-12321384204719-curve.webp | SHA-256: 16cff83b81f074211b4191c9c05428d81f0982cb5161104a544e3cbd111aa66f

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 HX62COXORBCLPNZGSQ3FAAM4LD	SOURCE DOCUMENT IMO_OTHER_STANDARD_BALL_EN
SOURCE FILE imo_weitere_standard-kugeldrehverbindungen-en.pdf	SOURCE LOCATION PDF page 31 Printed page Not published
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/products/slewing-bearing-replacements/imo/12-32-1384-2-04719/>

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