

MERYDOM 10-20 0220/0-03351

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

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	10-20 0220/0-03351
Certified interchangeable with	IMO 10-20 0220/0-03351
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	OLA2XZRSQLA5LML45RP5BWUZMF
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	10-20 0220/0-03351
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Sem engrenagem
DIMENSION	
Assembly weight (G)	16 kg
MOUNTING	
Outer ring mounting-hole count (na)	10

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	10
PERFORMANCE	
Static radial load rating (Co_rad)	181 kN
Static axial load rating (Co_ax)	485 kN
Dynamic radial load rating (C_rad)	177 kN
Dynamic axial load rating (C_ax)	205 kN
PERFORMANCE RATINGS	
Co Rad	181 kN Not simultaneous with other listed dynamic ratings
Co Ax	485 kN Not simultaneous with other listed dynamic ratings
C Rad	177 kN Not simultaneous with other listed dynamic ratings
C Ax	205 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	10 holes - See source drawing
Inner ring mounting	10 holes - See source drawing
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	3

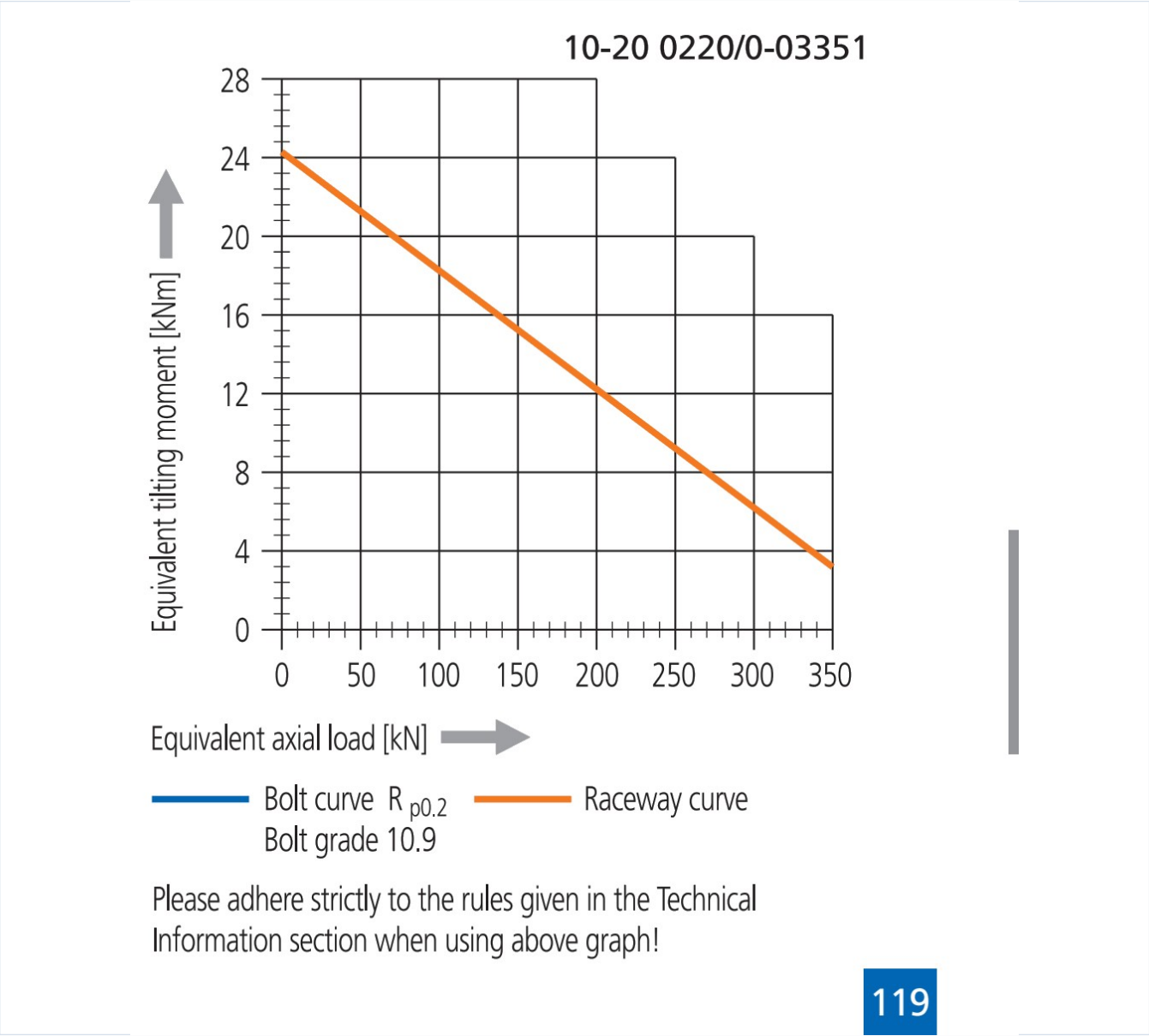
Complete Product Data

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

SOURCE TRACEABILITY (CONTINUED)	
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-10200220003351-curve.webp SHA-256: 21f24d5e4a15e6f182651c01f3192378f432efc7c36e8a8055aff7809472a4bf
Outline Drawing	imo-10200220003351-drawing.webp SHA-256: d366c2b4907264f6c9c4a97494d6e62c6c1d7759deb18f22d03225ad5c db5a82

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-10200220003351-curve.webp | SHA-256: 21f24d5e4a15e6f182651c01f3192378f432efc7c36e8a8055aff7809472a4bf

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

OLA2XZRSQLA5LML45RP5BWUZMF

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-en.pdf

SOURCE LOCATION

PDF page 3 | 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/pt/produtos/rolamentos-de-giro-de-substituicao/imo/10-20-0220-0-03351/>

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