

Factory-Verified Replacement

MERYDOM 10-22 0308/0-00270

Certified for interchange with IMO 10-22 0308/0-00270.
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

10-22 0308/0-00270

REFERENCE

IMO 10-22 0308/0-00270

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

mm

OVERALL ID

mm

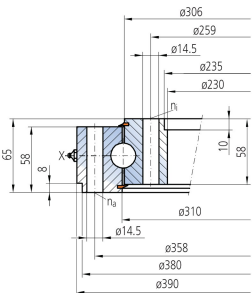
OVERALL HEIGHT

mm

GEAR

Sem engrenagem

Published Technical Drawing



imo-10220308000270-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	10-22 0308/0-00270
Certified interchangeable with	IMO 10-22 0308/0-00270
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	3QVAA5LTL5IUQU34GI467PGTQQ
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	10-22 0308/0-00270
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Sem engrenagem
DIMENSION	
Assembly weight (G)	28 kg
MOUNTING	
Outer ring mounting-hole count (na)	24

Complete Product Data

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	28
PERFORMANCE	
Static radial load rating (Co_rad)	185 kN
Static axial load rating (Co_ax)	494 kN
Dynamic radial load rating (C_rad)	172 kN
Dynamic axial load rating (C_ax)	200 kN
PERFORMANCE RATINGS	
Co Rad	185 kN Not simultaneous with other listed dynamic ratings
Co Ax	494 kN Not simultaneous with other listed dynamic ratings
C Rad	172 kN Not simultaneous with other listed dynamic ratings
C Ax	200 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - See source drawing
Inner ring mounting	28 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	5

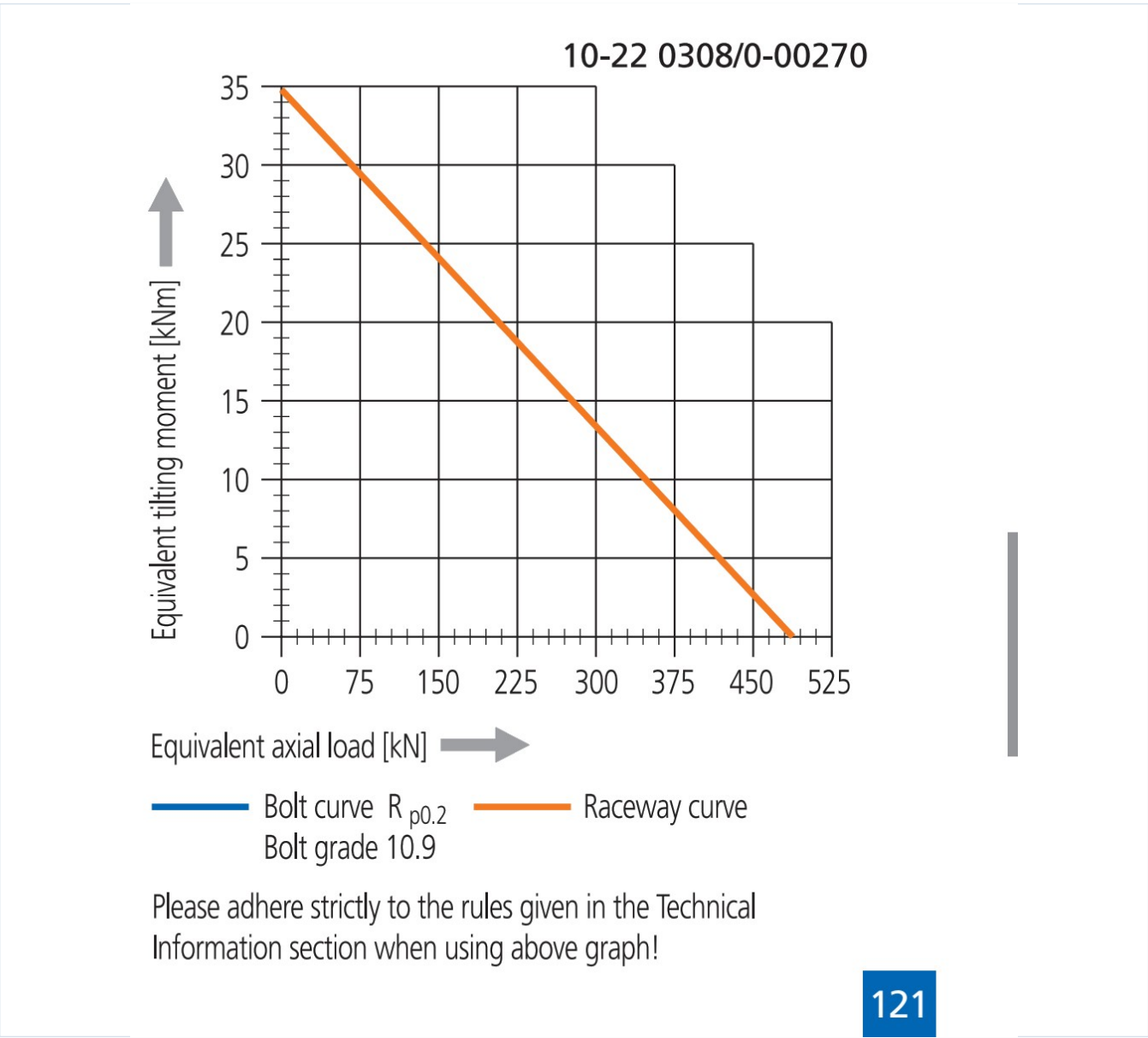
Complete Product Data

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-10220308000270-curve.webp SHA-256: f2be44cd22adf4fce99e97e263c50fa6c6b49204276c0c84b2a4366d79856b84
Outline Drawing	imo-10220308000270-drawing.webp SHA-256: 731ca46a6965877ffae1853b27c6ec64353682e86a34ca2c47d8a90be3cb7129

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-10220308000270-curve.webp | SHA-256: f2be44cd22adf4fce99e97e263c50fa6c6b49204276c0c84b2a4366d79856b84

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

3QVAA5LTL5IUQU34GI467PGTQQ

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-en.pdf

SOURCE LOCATION

PDF page 5 | 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/10-22-0308-0-00270/>

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