

Factory-Verified Replacement

MERYDOM 10-32 0550/0-05642

Certified for interchange with IMO 10-32 0550/0-05642.
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

10-32 0550/0-05642

REFERENCE

IMO 10-32 0550/0-05642

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

mm

OVERALL ID

mm

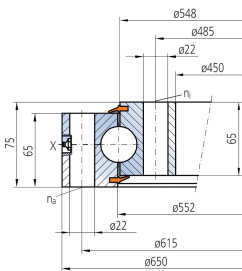
OVERALL HEIGHT

mm

GEAR

Sem engrenagem

Published Technical Drawing



imo-10320550005642-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	10-32 0550/0-05642
Certified interchangeable with	IMO 10-32 0550/0-05642
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	7ZZXNIVCABBHWQBKEGSEUEC5PJ
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	10-32 0550/0-05642
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Sem engrenagem
DIMENSION	
Assembly weight (G)	75 kg
MOUNTING	
Outer ring mounting-hole count (na)	24

Complete Product Data

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	24
PERFORMANCE	
Static radial load rating (Co_rad)	514 kN
Static axial load rating (Co_ax)	1.377 kN
Dynamic radial load rating (C_rad)	339 kN
Dynamic axial load rating (C_ax)	394 kN
PERFORMANCE RATINGS	
Co Rad	514 kN Not simultaneous with other listed dynamic ratings
Co Ax	1.377 kN Not simultaneous with other listed dynamic ratings
C Rad	339 kN Not simultaneous with other listed dynamic ratings
C Ax	394 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - See source drawing
Inner ring mounting	24 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	9

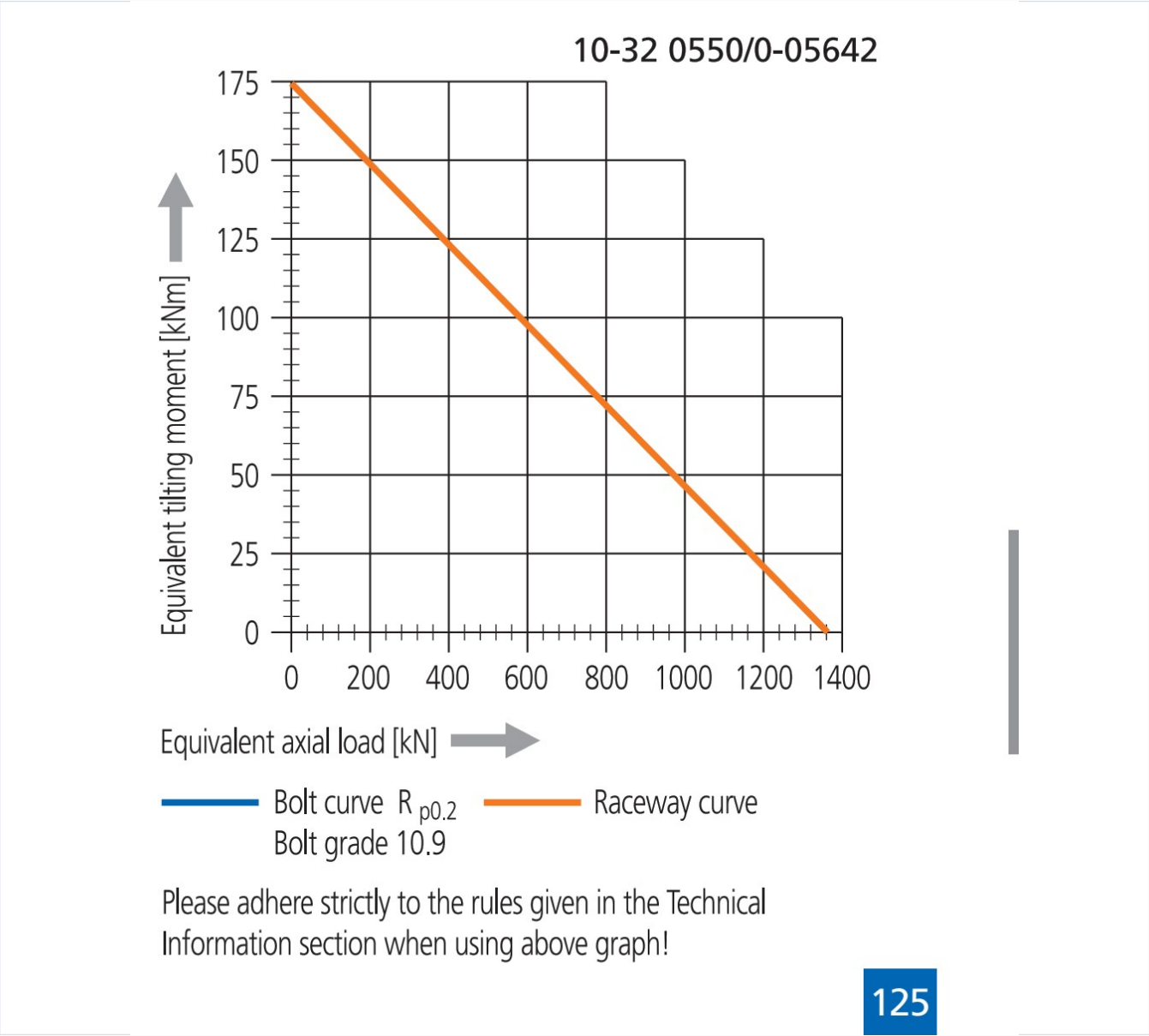
Complete Product Data

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-10320550005642-curve.webp SHA-256: c02de1081a3642d0b5609ea5ad76fd7d4261a7a752414fb67f8bcbcc0694bf23
Outline Drawing	imo-10320550005642-drawing.webp SHA-256: 524b64860450b6018a0fd4abfdd825df8cc4af2489fc5bc94bdadeb0d1fc6cf8

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-10320550005642-curve.webp | SHA-256: c02de1081a3642d0b5609ea5ad76fd7d4261a7a752414fb67f8bcbcc0694bf23

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

7ZZXNIVCABBHWQBKEGSEUEC5PJ

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-en.pdf

SOURCE LOCATION

PDF page 9 | 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/10-32-0550-0-05642/>

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