

Factory-Verified Replacement

MERYDOM 10-22 0404/0-04475

Certified for interchange with IMO 10-22 0404/0-04475.
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 0404/0-04475

REFERENCE

IMO 10-22 0404/0-04475

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Four-point contact ball

OVERALL OD

mm

OVERALL ID

mm

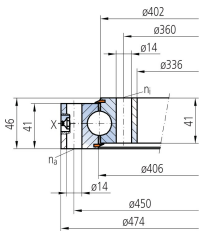
OVERALL HEIGHT

mm

GEAR

Ungeared

Published Technical Drawing



imo-10220404004475-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 0404/0-04475
Certified interchangeable with	IMO 10-22 0404/0-04475
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	Z5MMSXGUTIK3NLVT73R4SSNWBO
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 0404/0-04475
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Assembly weight (G)	22 kg
MOUNTING	
Outer ring mounting-hole count (na)	29*

Complete Product Data

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	30
PERFORMANCE	
Static radial load rating (Co_rad)	242 kN
Static axial load rating (Co_ax)	649 kN
Dynamic radial load rating (C_rad)	193 kN
Dynamic axial load rating (C_ax)	225 kN
PERFORMANCE RATINGS	
Co Rad	242 kN Not simultaneous with other listed dynamic ratings
Co Ax	649 kN Not simultaneous with other listed dynamic ratings
C Rad	193 kN Not simultaneous with other listed dynamic ratings
C Ax	225 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	29 holes - See source drawing
Inner ring mounting	30 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

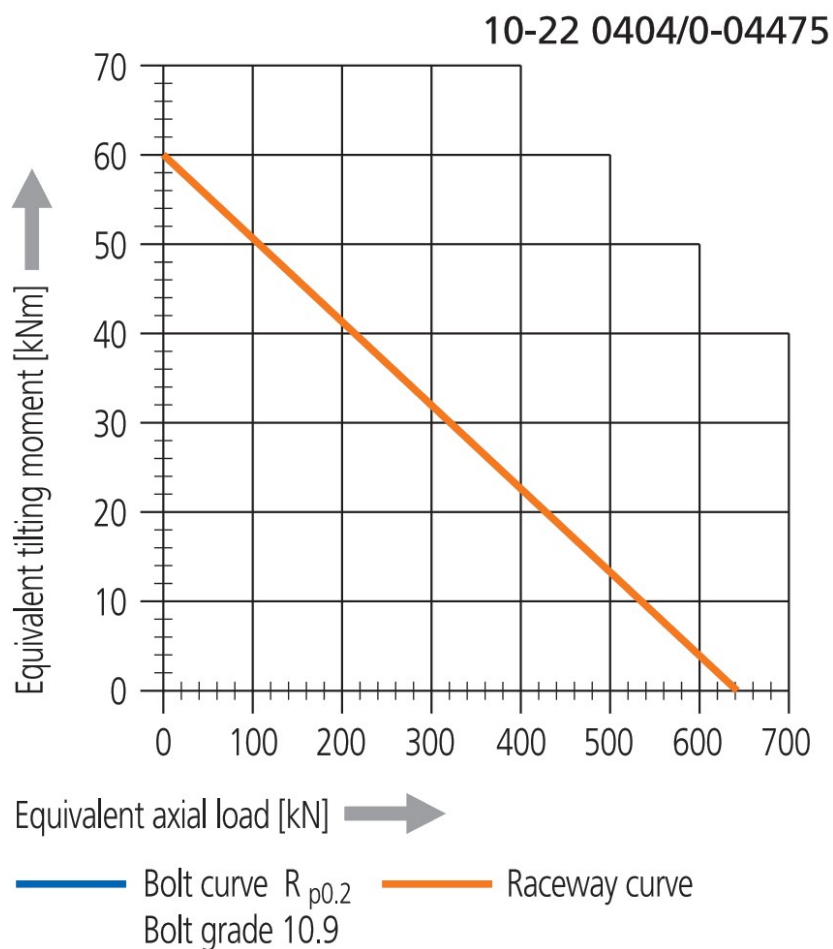
Complete Product Data

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-10220404004475-curve.webp SHA-256: 7dd3b1dbd165df9def8e6ec6a851fb3e0a9a39998879f6a1e035351b4e10da3f
Outline Drawing	imo-10220404004475-drawing.webp SHA-256: b9327280bab0d3e97b0f0d9649d94f8f4fc939323ea9c50aa299664104645999

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.



Please adhere strictly to the rules given in the Technical Information section when using above graph!

imo-10220404004475-curve.webp | SHA-256: 7dd3b1dbd165df9def8e6ec6a851fb3e0a9a39998879f6a1e035351b4e10da3f

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

Z5MMSXGUTIK3NLVT73R4SSNWBO

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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/imo/10-22-0404-0-04475/>

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