

Factory-Verified Replacement

MERYDOM 12-32 1128/2-04945

Certified for interchange with IMO 12-32 1128/2-04945.
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

12-32 1128/2-04945

REFERENCE

IMO 12-32 1128/2-04945

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

mm

OVERALL ID

mm

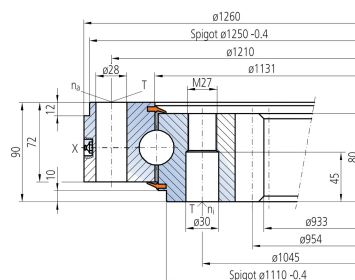
OVERALL HEIGHT

mm

GEAR

Engrenagem interna

Published Technical Drawing



imo-12321128204945-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 1128/2-04945
Certified interchangeable with	IMO 12-32 1128/2-04945
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	MUR5T5BSSKGTD2R3BOTP5NHQGZ
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 1128/2-04945
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Assembly weight (G)	280 kg
MOUNTING	
Outer ring mounting-hole count (na)	40

Complete Product Data

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	40
GEAR	
Gear module (m)	12 mm
Gear tooth count (z)	77
Addendum modification coefficient (x)	-1,25
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	61 kN
Permitted circumferential force, maximum (fz_max)	100 kN
Static radial load rating (Co_rad)	1.055 kN
Static axial load rating (Co_ax)	2.823 kN
Dynamic radial load rating (C_rad)	442 kN
Dynamic axial load rating (C_ax)	515 kN
PERFORMANCE RATINGS	
Fz Norm	61 kN Not simultaneous with other listed dynamic ratings
Fz Max	100 kN Not simultaneous with other listed dynamic ratings
Co Rad	1.055 kN Not simultaneous with other listed dynamic ratings
Co Ax	2.823 kN Not simultaneous with other listed dynamic ratings
C Rad	442 kN Not simultaneous with other listed dynamic ratings
C Ax	515 kN Not simultaneous with other listed dynamic ratings

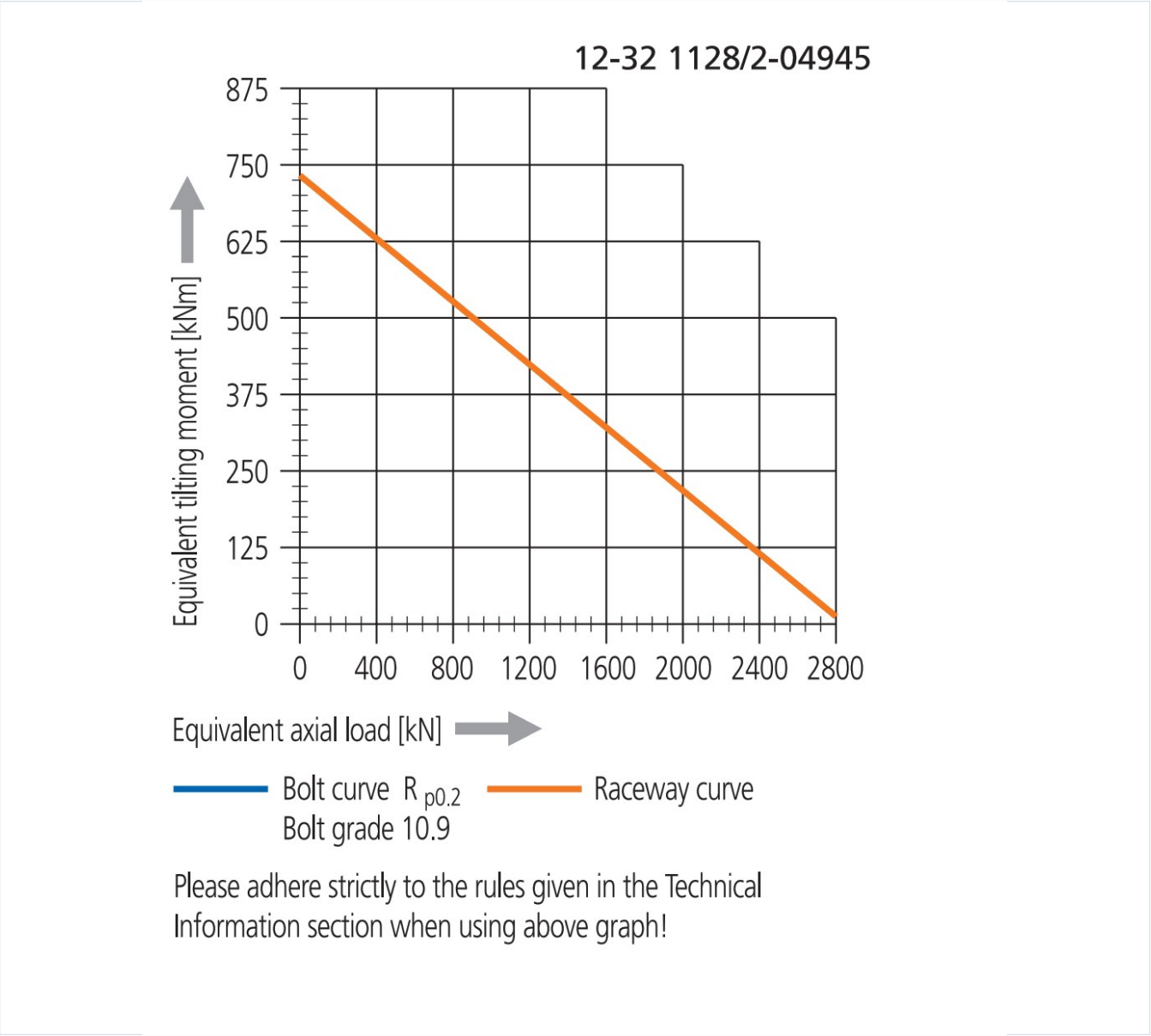
Complete Product Data

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	40 holes - See source drawing
Inner ring mounting	40 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	77
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	29
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-12321128204945-curve.webp SHA-256: ac20da38e45fb9dd8a67a478c62c0bb1d241ef70b8967e56a6e6a92f9938d06a
Outline Drawing	imo-12321128204945-drawing.webp SHA-256: 9b8cf81b398ee54e470d04add6da3f2d4c1d29b6d3a1f6040537733502ea02e7

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-12321128204945-curve.webp | SHA-256: ac20da38e45fb9dd8a67a478c62c0bb1d241ef70b8967e56a6e6a92f9938d06a

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 MUR5T5BSSKGTD2R3BOTP5NHQGZ	SOURCE DOCUMENT IMO_OTHER_STANDARD_BALL_EN
SOURCE FILE imo_weitere_standard-kugeldrehverbin dungen-en.pdf	SOURCE LOCATION PDF page 29 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/12-32-1128-2-04945/>

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