

Factory-Verified Replacement

MERYDOM 41-32 1160/2-00991

Certified for interchange with IMO 41-32 1160/2-00991. 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

41-32 1160/2-00991

REFERENCE

IMO 41-32 1160/2-00991

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

mm

OVERALL ID

mm

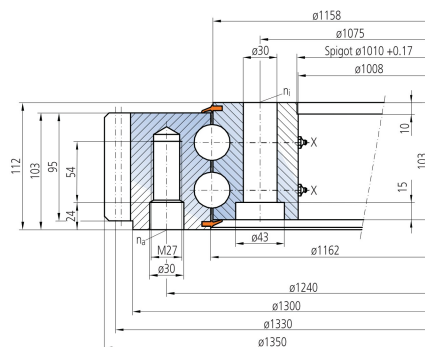
OVERALL HEIGHT

mm

GEAR

Engrenagem externa

Published Technical Drawing



imo-41321160200991-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	41-32 1160/2-00991
Certified interchangeable with	IMO 41-32 1160/2-00991
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	4QFF5EYOXAS2QCX6ARGPGAX7KT
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	41-32 1160/2-00991
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem externa
DIMENSION	
Assembly weight (G)	429 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)	10 mm
Gear tooth count (z)	132
Addendum modification coefficient (x)	0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	73 kN
Permitted circumferential force, maximum (fz_max)	131 kN
Static radial load rating (Co_rad)	1.545 kN
Static axial load rating (Co_ax)	4.134 kN
Dynamic radial load rating (C_rad)	594 kN
Dynamic axial load rating (C_ax)	692 kN
PERFORMANCE RATINGS	
Fz Norm	73 kN Not simultaneous with other listed dynamic ratings
Fz Max	131 kN Not simultaneous with other listed dynamic ratings
Co Rad	1.545 kN Not simultaneous with other listed dynamic ratings
Co Ax	4.134 kN Not simultaneous with other listed dynamic ratings
C Rad	594 kN Not simultaneous with other listed dynamic ratings
C Ax	692 kN Not simultaneous with other listed dynamic ratings

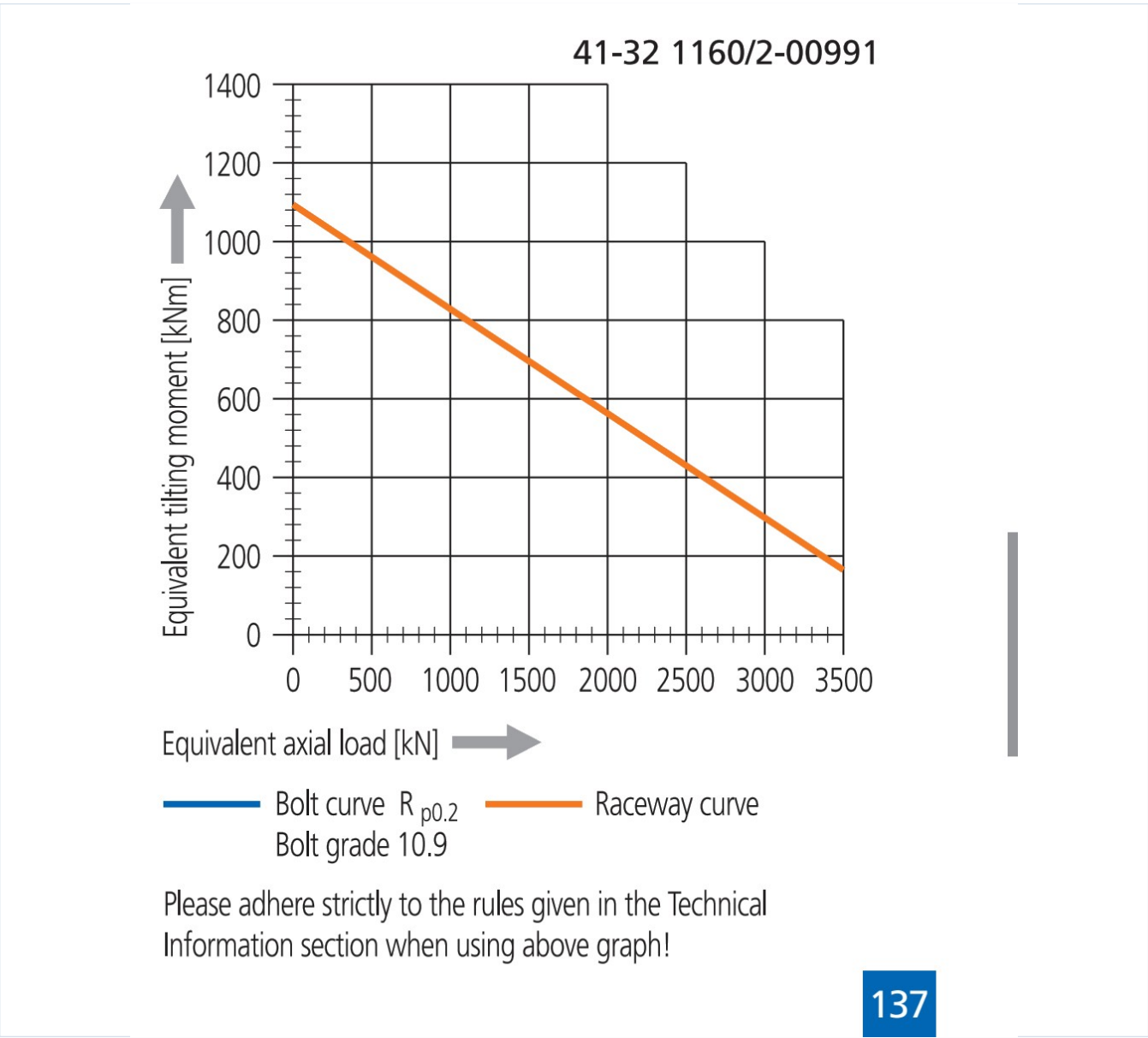
Complete Product Data

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	10 mm
Number of teeth	132
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	21
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-41321160200991-curve.webp SHA-256: 1b777ea49e755a3a9aa5925bd327eacb7415c1c54c408be547d927fcd1 c9eee0
Outline Drawing	imo-41321160200991-drawing.webp SHA-256: dd2eb0a942d4bdacf61cfee91065c44f1f9c2fb2147b2a0f421145acae 8f0f8c

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-41321160200991-curve.webp | SHA-256: 1b777ea49e755a3a9aa5925bd327each7415c1c54c408be547d927fcd1c9eee0

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

4QFF5EYOXAS2QCX6ARGPGAX7KT

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-en.pdf

SOURCE LOCATION

PDF page 21 | 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/41-32-1160-2-00991/>

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