

Factory-Verified Replacement

MERYDOM 12-32 1159/2-01512

Certified for interchange with IMO 12-32 1159/2-01512.
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 1159/2-01512

REFERENCE

IMO 12-32 1159/2-01512

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

mm

OVERALL ID

mm

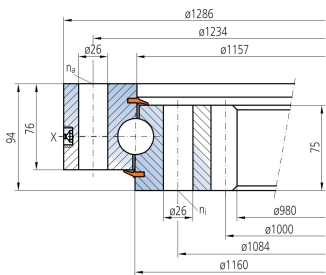
OVERALL HEIGHT

mm

GEAR

Dentatura interna

Published Technical Drawing



imo-12321159201512-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 1159/2-01512
Certified interchangeable with	IMO 12-32 1159/2-01512
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	EHMK5YIGY463QK22F2DURPCPCV
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 1159/2-01512
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura interna
DIMENSION	
Assembly weight (G)	269 kg
MOUNTING	
Outer ring mounting-hole count (na)	42

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 (CONTINUED)	
Inner ring mounting-hole count (ni)	42
GEAR	
Gear module (m)	10 mm
Gear tooth count (z)	100
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	64 kN
Permitted circumferential force, maximum (fz_max)	112 kN
Static radial load rating (Co_rad)	1.084 kN
Static axial load rating (Co_ax)	2.901 kN
Dynamic radial load rating (C_rad)	447 kN
Dynamic axial load rating (C_ax)	521 kN
PERFORMANCE RATINGS	
Fz Norm	64 kN Not simultaneous with other listed dynamic ratings
Fz Max	112 kN Not simultaneous with other listed dynamic ratings
Co Rad	1.084 kN Not simultaneous with other listed dynamic ratings
Co Ax	2.901 kN Not simultaneous with other listed dynamic ratings
C Rad	447 kN Not simultaneous with other listed dynamic ratings
C Ax	521 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	42 holes - See source drawing

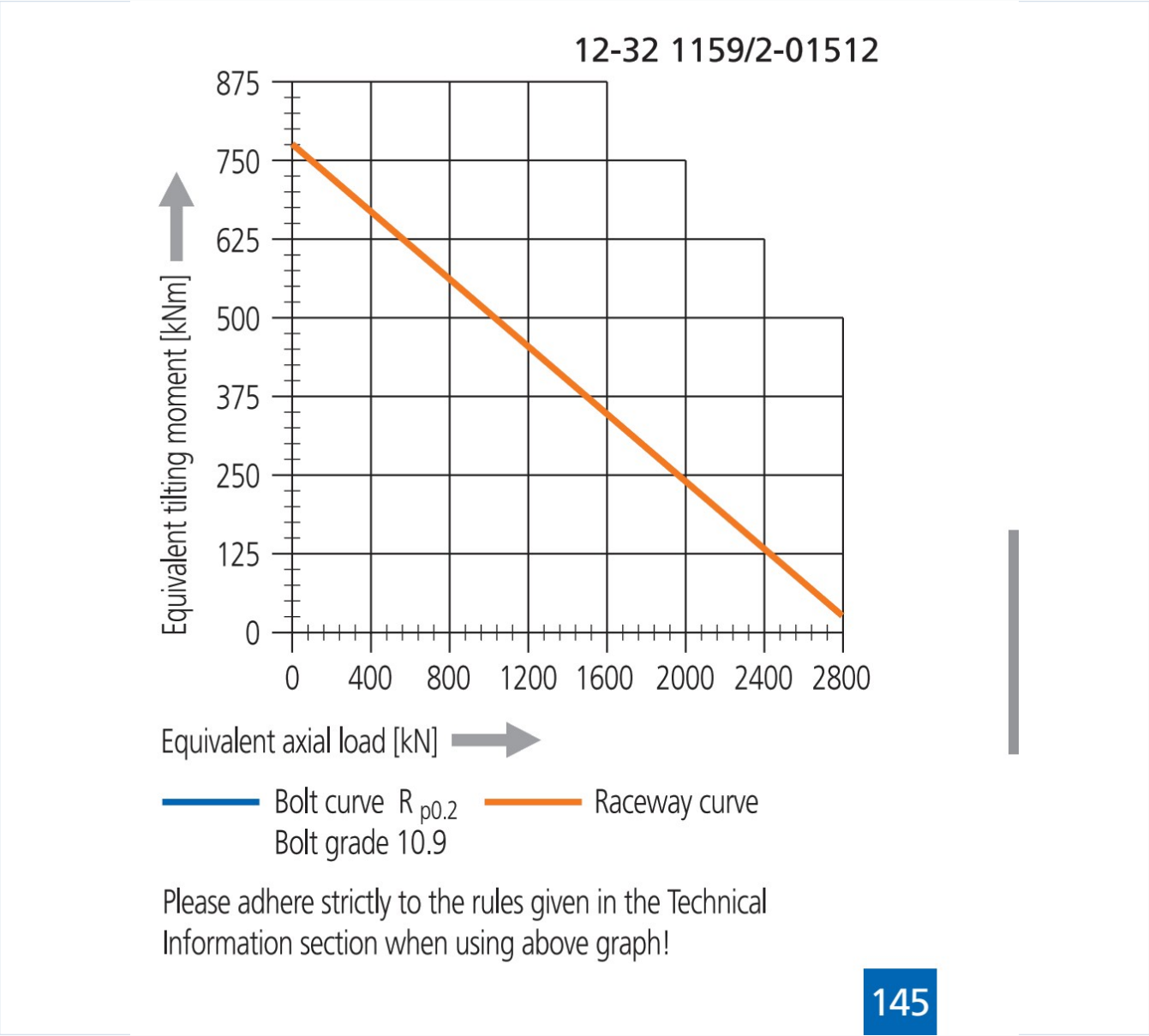
Complete Product Data

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 (CONTINUED)	
Inner ring mounting	42 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	100
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-12321159201512-curve.webp SHA-256: 107df459f07518efc635bc5b839f19aec8ada8627cc3db2d135e501fea50532c
Outline Drawing	imo-12321159201512-drawing.webp SHA-256: 1c8bb00f7128a2f56274679669b8ecad3085e20aa3f97bd22f2d9b8fae27a97f

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-12321159201512-curve.webp | SHA-256: 107df459f07518efc635bc5b839f19aec8ada8627cc3db2d135e501fea50532c

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

EHMK5YIGY463QK22F2DURPCPCV

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/imo/12-32-1159-2-01512/>

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