

MERYDOM 12-32 1582/2-04505

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

Engrenagem interna

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 1582/2-04505
Certified interchangeable with	IMO 12-32 1582/2-04505
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	MCGVPXXUXMT3A7TYXSBVNADC4B
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 1582/2-04505
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Assembly weight (G)	469 kg
MOUNTING	
Outer ring mounting-hole count (na)	60

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	60
GEAR	
Gear module (m)	16 mm
Gear tooth count (z)	86
Addendum modification coefficient (x)	-.050
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	122 kN
Permitted circumferential force, maximum (fz_max)	204 kN
Static radial load rating (Co_rad)	2.413 kN
Static axial load rating (Co_ax)	6.456 kN
Dynamic radial load rating (C_rad)	667 kN
Dynamic axial load rating (C_ax)	778 kN
PERFORMANCE RATINGS	
Fz Norm	122 kN Not simultaneous with other listed dynamic ratings
Fz Max	204 kN Not simultaneous with other listed dynamic ratings
Co Rad	2.413 kN Not simultaneous with other listed dynamic ratings
Co Ax	6.456 kN Not simultaneous with other listed dynamic ratings
C Rad	667 kN Not simultaneous with other listed dynamic ratings
C Ax	778 kN Not simultaneous with other listed dynamic ratings

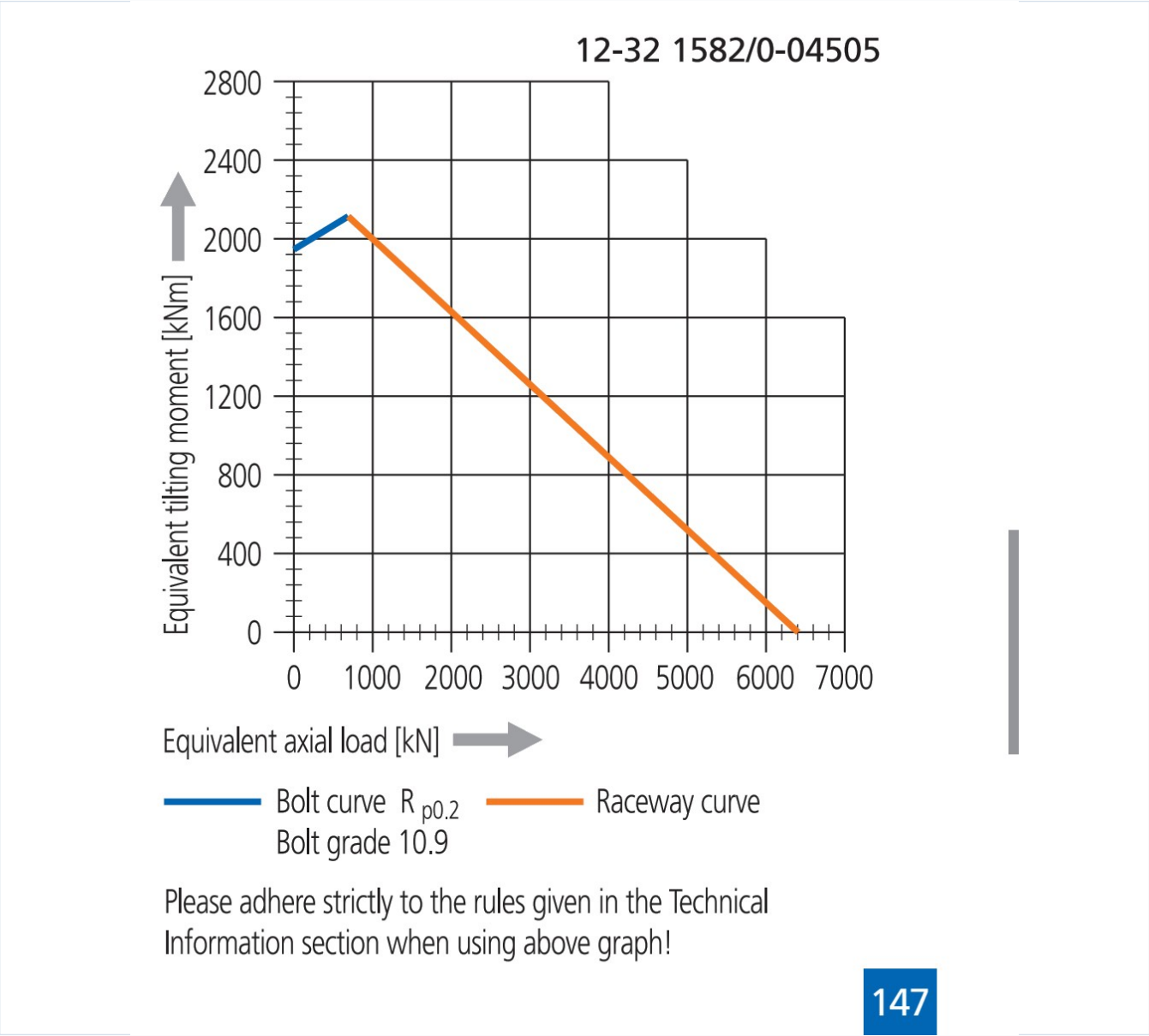
Complete Product Data

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MOUNTING INTERFACES	
Outer ring mounting	60 holes - See source drawing
Inner ring mounting	60 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	16 mm
Number of teeth	86
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	31
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-12321582204505-curve.webp SHA-256: fd8c12d57f9f7c93565d641d5bf6b49c351dd4e67510ad499656893b6d b81568
Outline Drawing	imo-12321582204505-drawing.webp SHA-256: e61b0fe643a91a6981a8018526b9063b408d5616e265362e9d955ab631 b97ba2

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-12321582204505-curve.webp | SHA-256: fd8c12d57f9f7c93565d641d5bf6b49c351dd4e67510ad499656893b6db81568

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

MCGVPXXUXMT3A7TYXSBVNADC4B

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-en.pdf

SOURCE LOCATION

PDF page 31 | 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/12-32-1582-2-04505/>

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