

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	41-20 0969/2-05532
Certified interchangeable with	IMO 41-20 0969/2-05532
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	ZJ3SRR24U5Q7WJDDAQH6EQMHBA
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	41-20 0969/2-05532
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Assembly weight (G)	213 kg
MOUNTING	
Outer ring mounting-hole count (na)	30

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	30
GEAR	
Gear module (m)	8 mm
Gear tooth count (z)	131
Addendum modification coefficient (x)	1.07
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	45 kN
Permitted circumferential force, maximum (fz_max)	80 kN
Static radial load rating (Co_rad)	798 kN
Static axial load rating (Co_ax)	2,135 kN
Dynamic radial load rating (C_rad)	231 kN
Dynamic axial load rating (C_ax)	363 kN
PERFORMANCE RATINGS	
Fz Norm	45 kN Not simultaneous with other listed dynamic ratings
Fz Max	80 kN Not simultaneous with other listed dynamic ratings
Co Rad	798 kN Not simultaneous with other listed dynamic ratings
Co Ax	2,135 kN Not simultaneous with other listed dynamic ratings
C Rad	231 kN Not simultaneous with other listed dynamic ratings
C Ax	363 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	

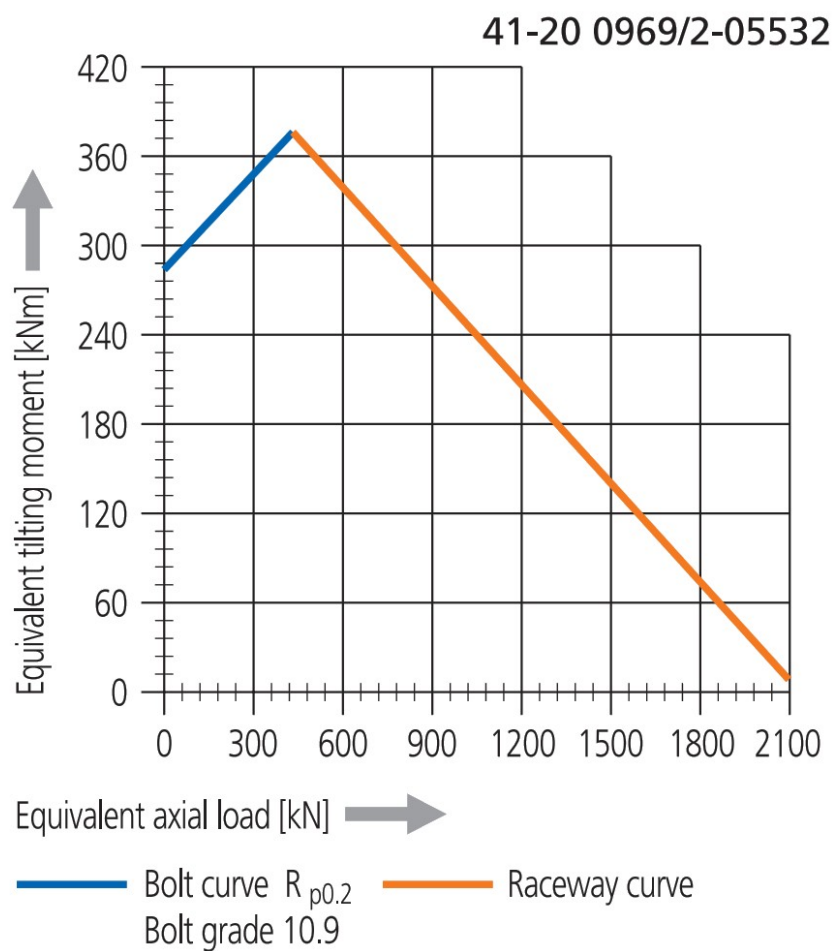
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MOUNTING INTERFACES (CONTINUED)	
Outer ring mounting	30 holes - See source drawing
Inner ring mounting	30 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	131
SOURCE TRACEABILITY	
Source document 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-41200969205532-curve.webp SHA-256: 25d0e6bce97f2934df0bf56363c1c719ec3bf24673dea8792898fda8d6 43203b
Outline Drawing	imo-41200969205532-drawing.webp SHA-256: ec9bc438625fb4306f3347d5f06bc8e4af4ad21ef45e20b87626475f11 1da75a

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-41200969205532-curve.webp | SHA-256: 25d0e6bce97f2934df0bf56363c1c719ec3bf24673dea8792898fda8d643203b

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 ZJ3SRR24U5Q7WJDDAQH6EQMHBA	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/products/slewing-bearing-replacements/imo/41-20-0969-2-05532/>

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