

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	11-25 0693/2-04976
Certified interchangeable with	IMO 11-25 0693/2-04976
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	AB6OE3XVIAR7NM4HUA5YU62CGW
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	11-25 0693/2-04976
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem externa
DIMENSION	
Assembly weight (G)	132 kg
MOUNTING	
Outer ring mounting-hole count (na)	42

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	42
GEAR	
Gear module (m)	10 mm
Gear tooth count (z)	81
Addendum modification coefficient (x)	0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	64 kN
Permitted circumferential force, maximum (fz_max)	111 kN
Static radial load rating (Co_rad)	514 kN
Static axial load rating (Co_ax)	1.376 kN
Dynamic radial load rating (C_rad)	285 kN
Dynamic axial load rating (C_ax)	332 kN
PERFORMANCE RATINGS	
Fz Norm	64 kN Not simultaneous with other listed dynamic ratings
Fz Max	111 kN Not simultaneous with other listed dynamic ratings
Co Rad	514 kN Not simultaneous with other listed dynamic ratings
Co Ax	1.376 kN Not simultaneous with other listed dynamic ratings
C Rad	285 kN Not simultaneous with other listed dynamic ratings
C Ax	332 kN Not simultaneous with other listed dynamic ratings

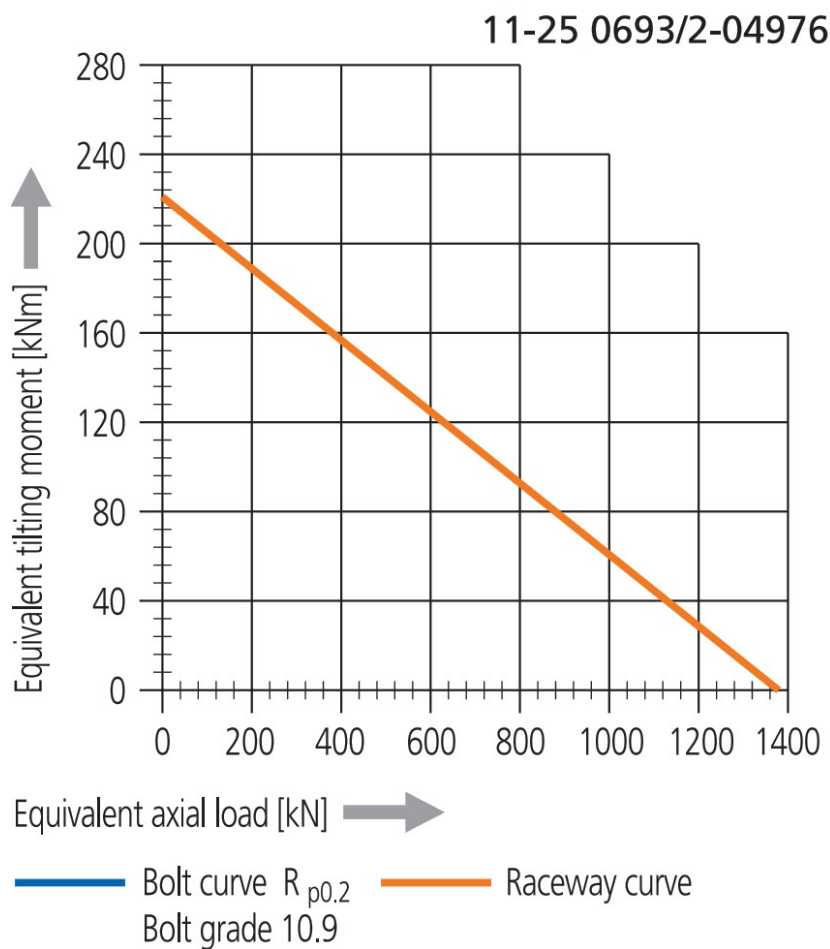
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MOUNTING INTERFACES	
Outer ring mounting	42 holes - See source drawing
Inner ring mounting	42 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	81
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	19
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-11250693204976-curve.webp SHA-256: c45d6ff9451c04619a7b4cef2a1af28ace18f5b4b9f780b3b3a4eff956217e5f
Outline Drawing	imo-11250693204976-drawing.webp SHA-256: 06403fb6cca59bfb0a150ea0f6eb011ab3fb95b478af0c357c1c8391ddc720ff

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-11250693204976-curve.webp | SHA-256: c45d6ff9451c04619a7b4cef2a1af28ace18f5b4b9f780b3b3a4eff956217e5f

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

AB6OE3XVIAR7NM4HUA5YU62CGW

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-en.pdf

SOURCE LOCATION

PDF page 19 | 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/11-25-0693-2-04976/>

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