Factory-Verified Replacement

MERYDOM 92-32 1055/1-06225

Certified for interchange with IMO 92-32 1055/1-06225. 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
92-32 1055/1-06225

REFERENCE
IMO 92-32 1055/1-06225

SERIES
932 Series

STRUCTURE
Ball bearing with flange rings

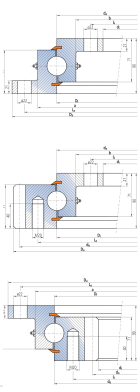
OVERALL OD
1,200 mm

OVERALL ID
912 mm

OVERALL HEIGHT
mm

GEAR
Internal gear

Published Technical Drawing



imo-92321055106225-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	92-32 1055/1-06225
Certified interchangeable with	IMO 92-32 1055/1-06225
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	YE7SOBMUJ4PED3ZR2BGEZI22MV
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	932 Series
Reference model	92-32 1055/1-06225
Bearing structure	Ball bearing with flange rings
Gear arrangement	Internal gear
DIMENSION	
Overall outside diameter (Da)	1,200 mm
Overall inside diameter (di)	912 mm
Assembly weight (G)	176 kg

Complete Product Data

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MOUNTING	
Outer ring bolt circle (La)	1,160 mm
Outer ring mounting-hole count (na)	30
Inner ring bolt circle (Li)	994 mm
Inner ring mounting-hole count (ni)	30
GEAR	
Gear pitch diameter (d)	930 mm
Gear module (m)	10 mm
Gear tooth count (z)	93
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	47 kN
Permitted circumferential force, maximum (fz_max)	86 kN
Static radial load rating (Co_rad)	1,137 kN
Static axial load rating (Co_ax)	3,043 kN
Dynamic radial load rating (C_rad)	427 kN
Dynamic axial load rating (C_ax)	497 kN
PERFORMANCE RATINGS	
Fz Norm	47 kN | Not simultaneous with other listed dynamic ratings
Fz Max	86 kN | Not simultaneous with other listed dynamic ratings
Co Rad	1,137 kN | Not simultaneous with other listed dynamic ratings
Co Ax	3,043 kN | Not simultaneous with other listed dynamic ratings

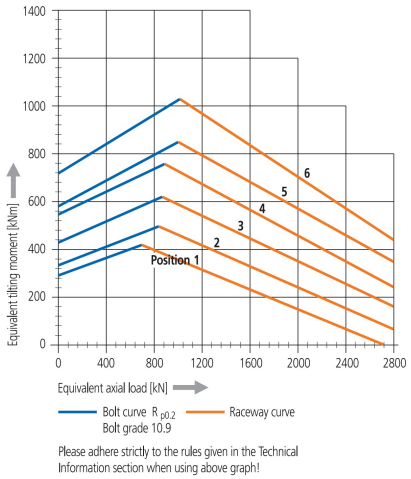
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

PERFORMANCE RATINGS (CONTINUED)	
C Rad	427 kN | Not simultaneous with other listed dynamic ratings
C Ax	497 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	30 holes - See source drawing
Inner ring mounting	30 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	93
SOURCE TRACEABILITY	
Source document code	IMO_FLANGE_BALL_EN
Source file	imo_kugeldrehverbindung_mit_flanschring-en.pdf
PDF page	7
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-92321055106225-curve.webp | SHA-256: a44feff5429d64f7d07f60850d7264707f422d0db41338a7dd379f06d9b83d9f
Outline Drawing	imo-92321055106225-drawing.webp | SHA-256: a7b3ea7414e98cf4e3b3dbefec2ad21c277d1a7289ac0de3d5305f88df9f914f

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!

Radial clearance: 0 - 0.2 mm
Axial tilting clearance: 0 - 0.4 mm
Bearing ring material: C45N
6 Taper type grease nipples on the circumference
Mounting holes equally spaced
Raceway system supplied pre-lubricated.
Dimensions without tolerances DIN ISO 2768 coarse

imo-92321055106225-curve.webp | SHA-256: a44feff5429d64f7d07f60850d7264707f422d0db41338a7dd379f06d9b83d9f

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

YE7SOBMUJ4PED3ZR2BGEZI22MV

SOURCE DOCUMENT

IMO_FLANGE_BALL_EN

SOURCE FILE

imo_kugeldrehverbindung_mit_flanschring-en.pdf

SOURCE LOCATION

PDF page 7 | 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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: https://rotnex.com/products/slewing-bearing-replacements/imo/92-32-1055-1-06225/