

Factory-Verified Replacement

MERYDOM 11-16 0200/1-08113

Certified for interchange with IMO 11-16 0200/1-08113.
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

11-16 0200/1-08113

REFERENCE

IMO 11-16 0200/1-08113

SERIES

116 Series

STRUCTURE

Four-point contact ball

OVERALL OD

280 mm

OVERALL ID

140 mm

OVERALL HEIGHT

mm

GEAR

External gear

Published Technical Drawing



imo-11160200108113-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	11-16 0200/1-08113
Certified interchangeable with	IMO 11-16 0200/1-08113
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	HNY7AX2E3QMFMK2QIMP4TTYCG
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	116 Series
Reference model	11-16 0200/1-08113
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Overall outside diameter (Da)	280 mm
Overall inside diameter (di)	140 mm
MOUNTING	
Outer ring bolt circle (La)	9 mm

Complete Product Data

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MOUNTING (CONTINUED)	
Outer ring mounting-hole count (na)	240
Common mounting-hole diameter (B)	12 mm
Inner ring bolt circle (Li)	160 mm
Inner ring mounting-hole count (ni)	12
GEAR	
Gear pitch diameter (d)	272 mm
Gear module (m)	4 mm
Gear tooth count (z)	68
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	9.2 kN
Permitted circumferential force, maximum (fz_max)	17 kN
Static radial load rating (Co_rad)	101 kN
Static axial load rating (Co_ax)	207 kN
Dynamic radial load rating (C_rad)	99 kN
Dynamic axial load rating (C_ax)	85 kN
PERFORMANCE RATINGS	
Fz Norm	9.2 kN Not simultaneous with other listed dynamic ratings
Fz Max	17 kN Not simultaneous with other listed dynamic ratings
Co Rad	101 kN Not simultaneous with other listed dynamic ratings
Co Ax	207 kN Not simultaneous with other listed dynamic ratings

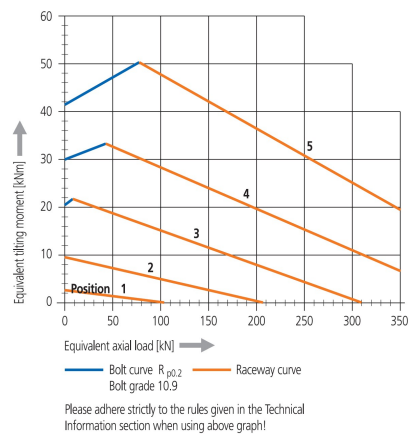
Complete Product Data

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	99 kN Not simultaneous with other listed dynamic ratings
C Ax	85 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	240 holes - B 12 mm
Inner ring mounting	12 holes - B 12 mm
GEAR INTERFACE	
Pitch system	module
Module reference	4 mm
Number of teeth	68
SOURCE TRACEABILITY	
Source document code	IMO_SINGLE_ROW_BALL_EN
Source file	imo_dkugeldrehverbindungen_einreihig-en.pdf
PDF page	5
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-11160200108113-curve.webp SHA-256: 3e78ff549181fb76735f046e9a6643dc9307c29da8729dae36534cb78b92430a
Outline Drawing	imo-11160200108113-drawing.webp SHA-256: e8e7ffe7b491d68b9ee46db6a2a12ff34e6b488b5e46e111b8fea530945238e1

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-11160200108113-curve.webp | SHA-256: 3e78ff549181fb76735f046e9a6643dc9307c29da8729dae36534cb78b92430a

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 HNY7AX2E3QMhFMK2QIMP4TTYCG	SOURCE DOCUMENT IMO_SINGLE_ROW_BALL_EN
SOURCE FILE imo_dkugeldrehverbindungen_einreihig-en.pdf	SOURCE LOCATION PDF page 5 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/11-16-0200-1-08113/>

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