

Factory-Verified Replacement

MERYDOM 11-32 1600/1-02300

Certified for interchange with IMO 11-32 1600/1-02300.
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

11-32 1600/1-02300

REFERENCE

IMO 11-32 1600/1-02300

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Four-point contact ball

OVERALL OD

mm

OVERALL ID

mm

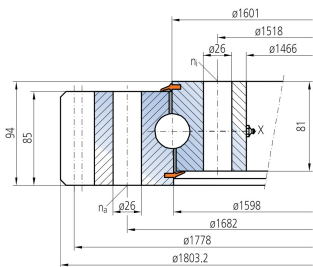
OVERALL HEIGHT

mm

GEAR

External gear

Published Technical Drawing



imo-11321600102300-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	11-32 1600/1-02300
Certified interchangeable with	IMO 11-32 1600/1-02300
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	5UM5NKOJFOMVU3MM2CXWV6DN5Y
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	11-32 1600/1-02300
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Assembly weight (G)	479 kg
MOUNTING	
Outer ring mounting-hole count (na)	40

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.

MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	40
GEAR	
Gear module (m)	14 mm
Gear tooth count (z)	126
Addendum modification coefficient (x)	0.5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	85 kN
Permitted circumferential force, maximum (fz_max)	145 kN
Static radial load rating (Co_rad)	1,497 kN
Static axial load rating (Co_ax)	4,005 kN
Dynamic radial load rating (C_rad)	503 kN
Dynamic axial load rating (C_ax)	586 kN
PERFORMANCE RATINGS	
Fz Norm	85 kN Not simultaneous with other listed dynamic ratings
Fz Max	145 kN Not simultaneous with other listed dynamic ratings
Co Rad	1,497 kN Not simultaneous with other listed dynamic ratings
Co Ax	4,005 kN Not simultaneous with other listed dynamic ratings
C Rad	503 kN Not simultaneous with other listed dynamic ratings
C Ax	586 kN Not simultaneous with other listed dynamic ratings

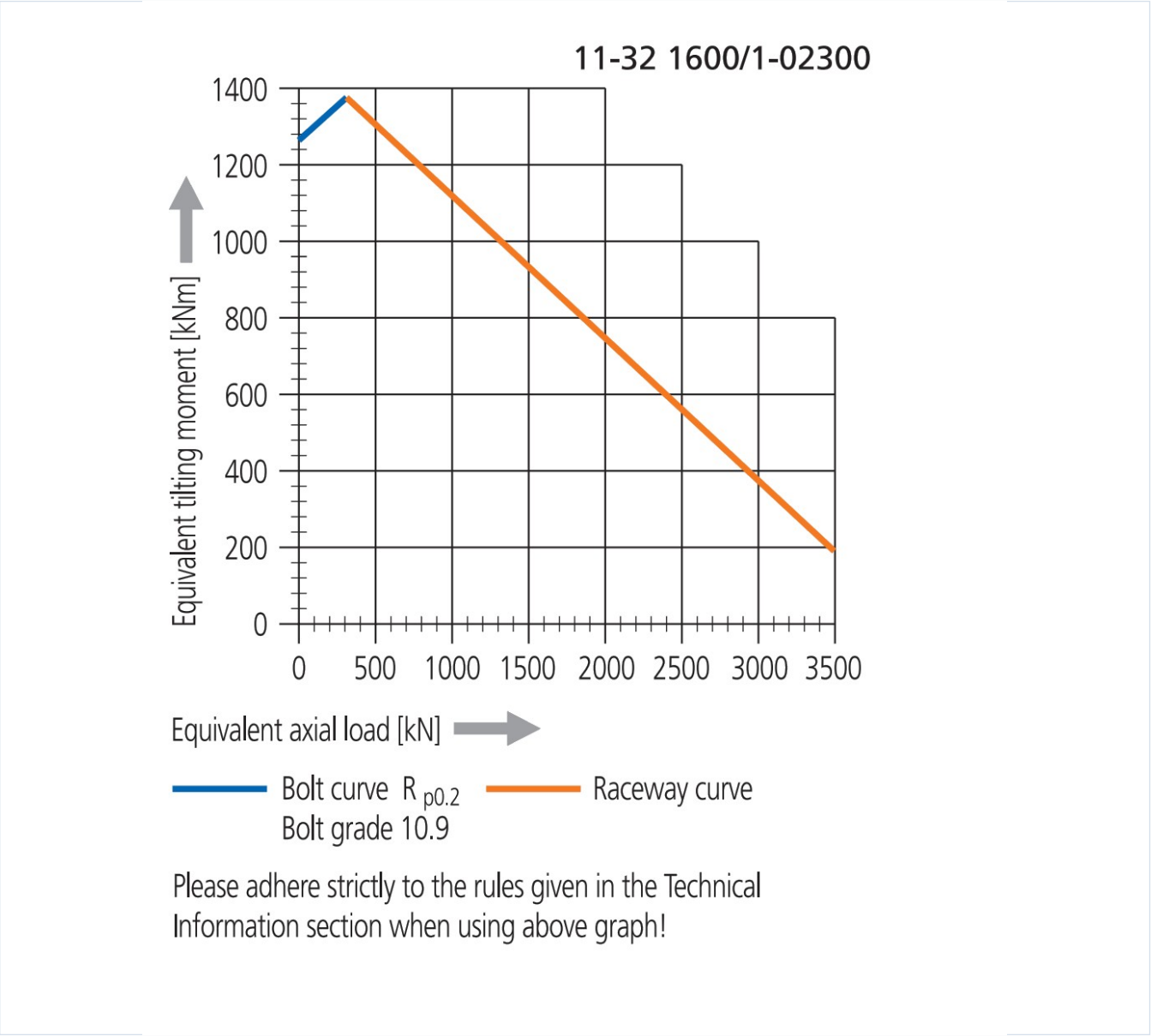
Complete Product Data

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

MOUNTING INTERFACES	
Outer ring mounting	40 holes - See source drawing
Inner ring mounting	40 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	14 mm
Number of teeth	126
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	23
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-11321600102300-curve.webp SHA-256: 09f5aa7ca65d3aae369dbc8b76d615c32062f207af9801d1903956d42851d003
Outline Drawing	imo-11321600102300-drawing.webp SHA-256: 9271e703986d2c87869f827aab48d838e05edefb4a4b8083e1a2d8e9a1f9e3b7

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-11321600102300-curve.webp | SHA-256: 09f5aa7ca65d3aae369dbc8b76d615c32062f207af9801d1903956d42851d003

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 5UM5NKOJFOMVU3MM2CXWV6DN5Y	SOURCE DOCUMENT IMO_OTHER_STANDARD_BALL_EN
SOURCE FILE imo_weitere_standard-kugeldrehverbindungen-en.pdf	SOURCE LOCATION PDF page 23 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/11-32-1600-1-02300/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.