Factory-Verified Replacement

MERYDOM 12-22 0850/2-01501

Certified for interchange with IMO 12-22 0850/2-01501. 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

12-22 0850/2-01501

REFERENCE

IMO 12-22 0850/2-01501

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

D rt nokta temasl bilyal

OVERALL OD

mm

OVERALL ID

mm

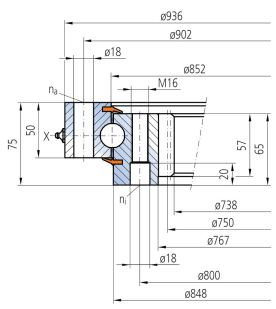
OVERALL HEIGHT

mm

GEAR

ten di li

Published Technical Drawing



imo-12220850201501-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	12-22 0850/2-01501
Certified interchangeable with	IMO 12-22 0850/2-01501
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	UK7WKG4L42YXOAFBIRVUBDBC5V
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	12-22 0850/2-01501
Bearing structure	D rt nokta temasl bilyal
Gear arrangement	ten di li
DIMENSION	
Assembly weight (G)	100 kg
MOUNTING	
Outer ring mounting-hole count (na)	24

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)	24
GEAR	
Gear module (m)	6 mm
Gear tooth count (z)	124
Addendum modification coefficient (x)	-0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	21 kN
Permitted circumferential force, maximum (fz_max)	40 kN
Static radial load rating (Co_rad)	614 kN
Static axial load rating (Co_ax)	1 642 kN
Dynamic radial load rating (C_rad)	256 kN
Dynamic axial load rating (C_ax)	298 kN
PERFORMANCE RATINGS	
Fz Norm	21 kN | Not simultaneous with other listed dynamic ratings
Fz Max	40 kN | Not simultaneous with other listed dynamic ratings
Co Rad	614 kN | Not simultaneous with other listed dynamic ratings
Co Ax	1 642 kN | Not simultaneous with other listed dynamic ratings
C Rad	256 kN | Not simultaneous with other listed dynamic ratings
C Ax	298 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	

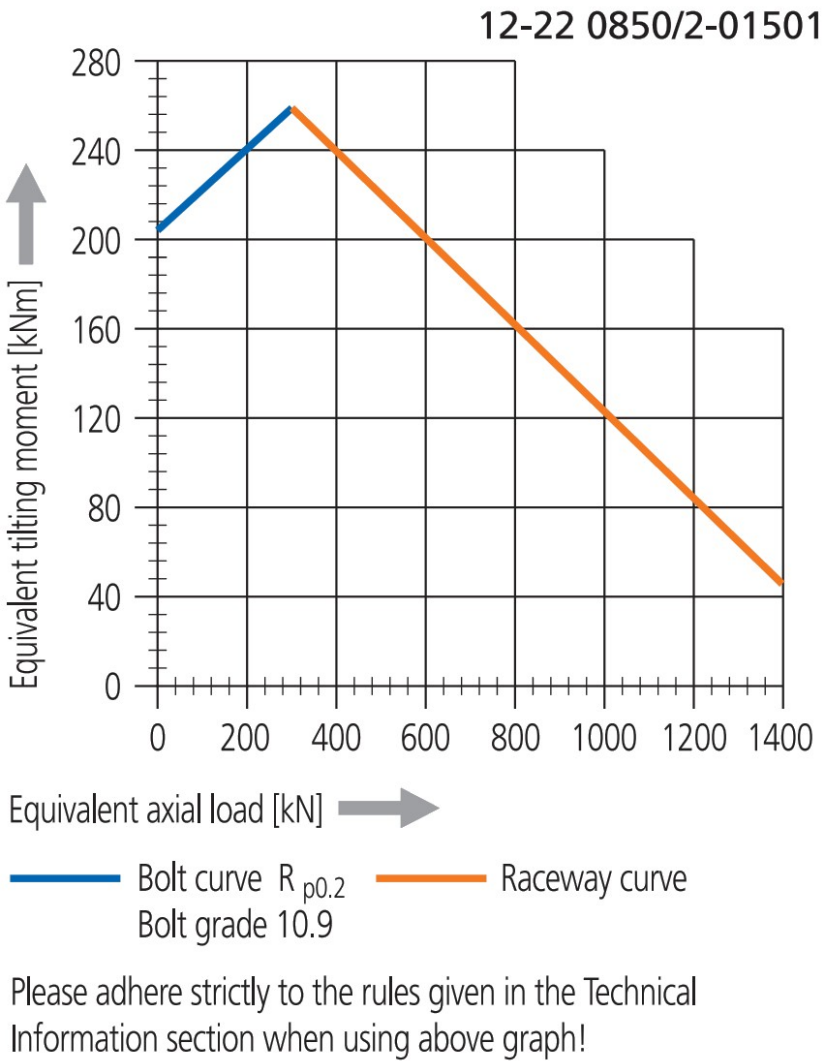
Complete Product Data

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 (CONTINUED)	
Outer ring mounting	24 holes - See source drawing
Inner ring mounting	24 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	124
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	27
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-12220850201501-curve.webp | SHA-256: 0cb2754320b994f2f4009cc182c48b7fc8e9e9870f6a583edf453141173c97a8
Outline Drawing	imo-12220850201501-drawing.webp | SHA-256: 8cd88dac85d21898fce35c3753159009c64a4df94d8756d5de3b8d8d28e89d4d

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-12220850201501-curve.webp | SHA-256: 0cb2754320b994f2f4009cc182c48b7fc8e9e9870f6a583edf453141173c97a8

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

UK7WKG4L42YXOAFBIRVUBDBC5V

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-en.pdf

SOURCE LOCATION

PDF page 27 | 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/tr/urunler/muadil-doner-tabla-rulmanlari/imo/12-22-0850-2-01501/