

Factory-Verified Replacement

MERYDOM 11-25 1255/1-03150

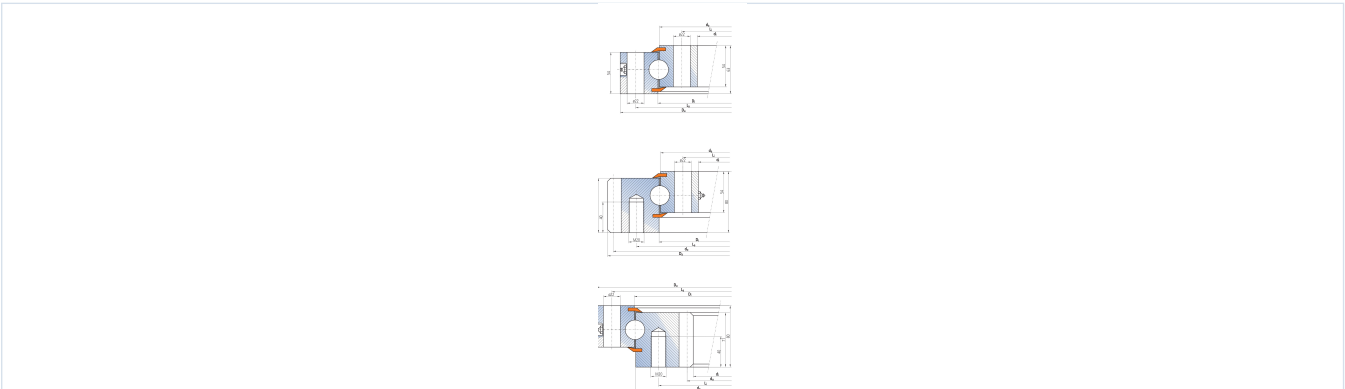
Certified for interchange with IMO 11-25 1255/1-03150.
This document consolidates the public product record,
complete published specifications, technical media,
source traceability and engineering confirmation notes.

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	REFERENCE
11-25 1255/1-03150	IMO 11-25 1255/1-03150
SERIES	STRUCTURE
125 Series	Sfere a quattro punti di contatto
OVERALL OD	OVERALL ID
1,398 mm	1,155 mm
OVERALL HEIGHT	GEAR
mm	Dentatura esterna

Published Technical Drawing



imo-11251255103150-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	11-25 1255/1-03150
Certified interchangeable with	IMO 11-25 1255/1-03150
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	P5PGIRW44UGQ6J6EHW6EMZSNE5
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	125 Series
Reference model	11-25 1255/1-03150
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Overall outside diameter (Da)	1.398 mm
Overall inside diameter (di)	1.155 mm
MOUNTING	
Outer ring bolt circle (La)	201 mm

Complete Product Data

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MOUNTING (CONTINUED)	
Outer ring mounting-hole count (na)	1.316
Common mounting-hole diameter (B)	42 mm
Inner ring bolt circle (Li)	1.195 mm
Inner ring mounting-hole count (ni)	42
GEAR	
Gear pitch diameter (d)	1.380 mm
Gear module (m)	10 mm
Gear tooth count (z)	138
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	43 kN
Permitted circumferential force, maximum (fz_max)	76 kN
Static radial load rating (Co_rad)	1.240 kN
Static axial load rating (Co_ax)	3.346 kN
Dynamic radial load rating (C_rad)	364 kN
Dynamic axial load rating (C_ax)	424 kN
PERFORMANCE RATINGS	
Fz Norm	43 kN Not simultaneous with other listed dynamic ratings
Fz Max	76 kN Not simultaneous with other listed dynamic ratings
Co Rad	1.240 kN Not simultaneous with other listed dynamic ratings
Co Ax	3.346 kN Not simultaneous with other listed dynamic ratings

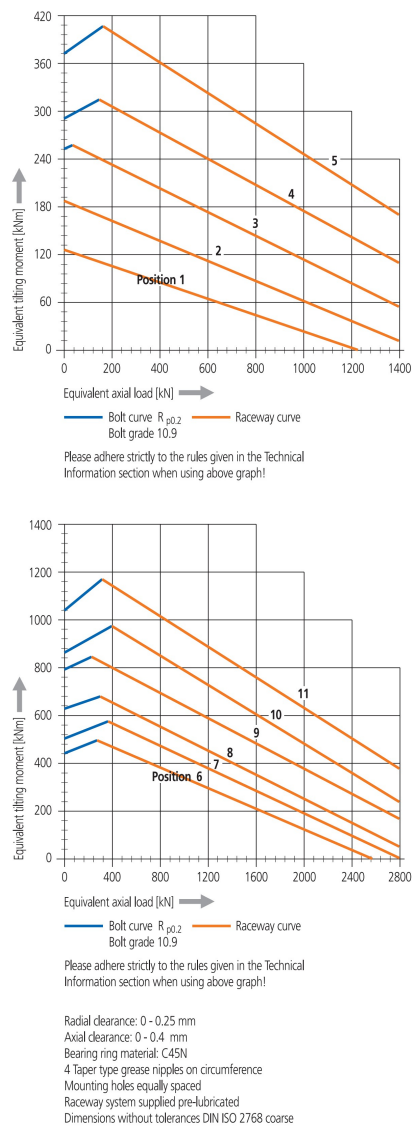
Complete Product Data

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PERFORMANCE RATINGS (CONTINUED)	
C Rad	364 kN Not simultaneous with other listed dynamic ratings
C Ax	424 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	1316 holes - B 42 mm
Inner ring mounting	42 holes - B 42 mm
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	138
SOURCE TRACEABILITY	
Source document code	IMO_SINGLE_ROW_BALL_EN
Source file	imo_dkugeldrehverbindungen_einreihig-en.pdf
PDF page	11
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-11251255103150-curve.webp SHA-256: ef242f703ea11704bdb9793ea79efabed993f8188faac34ceb6e0c7dc04e6247
Outline Drawing	imo-11251255103150-drawing.webp SHA-256: 806f4774c02ec65b7588ba1d66881a2184d32a044cd674ef98bede5cbf53f13

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-11251255103150-curve.webp | SHA-256: ef242f703ea11704bdb9793ea79efabed993f8188faac34ceb6e0c7dc04e6247

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

P5PGIRW44UGQ6J6EHW6EMZSNE5

SOURCE DOCUMENT

IMO_SINGLE_ROW_BALL_EN

SOURCE FILE

imo_dkugeldrehverbindungen_einreihig-en.pdf

SOURCE LOCATION

PDF page 11 | 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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/imo/11-25-1255-1-03150/>

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