Factory-Verified Replacement

MERYDOM 32-40 3150/2-07480

Certified for interchange with IMO 32-40 3150/2-07480. 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
32-40 3150/2-07480

REFERENCE
IMO 32-40 3150/2-07480

SERIES
340 Series

STRUCTURE
Rolos de tr s carreiras

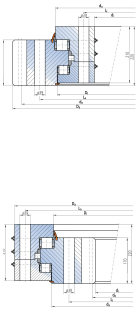
OVERALL OD
3,388 mm

OVERALL ID
2,794 mm

OVERALL HEIGHT
mm

GEAR
Engrenagem interna

Published Technical Drawing



imo-32403150207480-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	32-40 3150/2-07480
Certified interchangeable with	IMO 32-40 3150/2-07480
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	Z5KJOQ2XYZGG6XOUIE6XF5ITB5
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	340 Series
Reference model	32-40 3150/2-07480
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Engrenagem interna
DIMENSION	
Overall outside diameter (Da)	3.388 mm
Overall inside diameter (di)	2.794 mm
Assembly weight (G)	3.683 kg

Complete Product Data

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MOUNTING	
Outer ring bolt circle (La)	3.310 mm
Inner ring bolt circle (Li)	2.985 mm
Outer ring mounting-hole count (na)	56
GEAR	
Gear pitch diameter (d)	2.816 mm
Gear module (m)	22 mm
Gear tooth count (z)	128
Addendum modification coefficient (x)	-0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	357 kN
Permitted circumferential force, maximum (fz_max)	658 kN
Static radial load rating (Co_rad)	2.751 kN
Static axial load rating, tension (Co_ax_T)	31.469 kN
Static axial load rating, compression (Co_ax_H)	17.362 kN
Dynamic radial load rating (C_rad)	1.214 kN
Dynamic axial load rating, tension (C_ax_T)	5.834 kN
Dynamic axial load rating, compression (C_ax_H)	4.365 kN
PERFORMANCE RATINGS	
Fz Norm	357 kN | Not simultaneous with other listed dynamic ratings
Fz Max	658 kN | Not simultaneous with other listed dynamic ratings

Complete Product Data

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PERFORMANCE RATINGS (CONTINUED)	
Co Rad	2.751 kN | Not simultaneous with other listed dynamic ratings
Co Ax T	31.469 kN | Not simultaneous with other listed dynamic ratings
Co Ax H	17.362 kN | Not simultaneous with other listed dynamic ratings
C Rad	1.214 kN | Not simultaneous with other listed dynamic ratings
C Ax T	5.834 kN | Not simultaneous with other listed dynamic ratings
C Ax H	4.365 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	56 holes - See source drawing
Inner ring mounting	holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	22 mm
Number of teeth	128
SOURCE TRACEABILITY	
Source document code	IMO_TRIPLE_ROW_ROLLER_EN
Source file	imo_rollendrehverbindung-en.pdf
PDF page	9
Printed page	Not published
Source language	EN
Original unit system	Metric

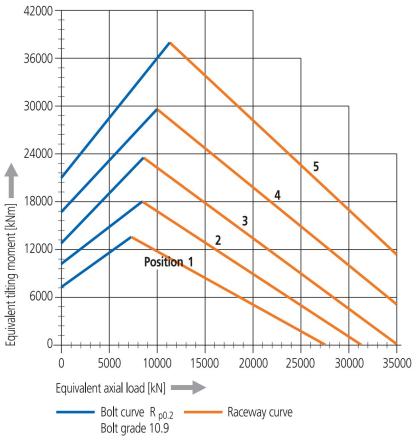
Complete Product Data

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

PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-32403150207480-curve.webp | SHA-256: af7870c3b822781584a12c9a045a5691ff08e5119a9637b500682b1503e28283
Outline Drawing	imo-32403150207480-drawing.webp | SHA-256: 8f585ced0929924bc03dec92a38e86c901a4352e7dfc43e29b6746b00807b865

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!

Bearing ring material: 42CrMo4V
7 to 14 Taper type grease nipples on each circumferential row
Mounting holes equally spaced
Raceway system supplied pre-lubricated
Dimensions without tolerances DIN ISO 2768 coarse

Clearances

Position	Radial clearance	Axial clearance
1	max. 0.40	max. 0.13
2	max. 0.50	max. 0.15
3	max. 0.50	max. 0.15
4	max. 0.50	max. 0.17
5	max. 0.60	max. 0.20

imo-32403150207480-curve.webp | SHA-256: af7870c3b822781584a12c9a045a5691ff08e5119a9637b500682b1503e28283

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

Z5KJOQ2XYZGG6XOUIE6XF5ITB5

SOURCE DOCUMENT

IMO_TRIPLE_ROW_ROLLER_EN

SOURCE FILE

imo_rollendrehverbindung-en.pdf

SOURCE LOCATION

PDF page 9 | 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/pt/produtos/rolamentos-de-giro-de-substituicao/imo/32-40-3150-2-07480/