Factory-Verified Replacement

MERYDOM 32-50 4000/2-07580

Certified for interchange with IMO 32-50 4000/2-07580. 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
32-50 4000/2-07580

REFERENCE
IMO 32-50 4000/2-07580

SERIES
350 Series

STRUCTURE
Rolos de tr s carreiras

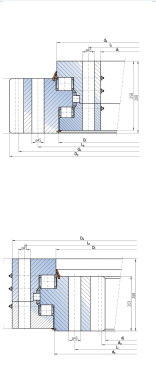
OVERALL OD
4,265 mm

OVERALL ID
3,576 mm

OVERALL HEIGHT
mm

GEAR
Engrenagem interna

Published Technical Drawing



imo-32504000207580-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	32-50 4000/2-07580
Certified interchangeable with	IMO 32-50 4000/2-07580
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CXCJIAJNP6UUREPZBGUJRBMLA5
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	350 Series
Reference model	32-50 4000/2-07580
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Engrenagem interna
DIMENSION	
Overall outside diameter (Da)	4.265 mm
Overall inside diameter (di)	3.576 mm
Assembly weight (G)	6.623 kg

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	
Outer ring bolt circle (La)	4.175 mm
Inner ring bolt circle (Li)	3.800 mm
Outer ring mounting-hole count (na)	60
GEAR	
Gear pitch diameter (d)	3.600 mm
Gear module (m)	24 mm
Gear tooth count (z)	150
Addendum modification coefficient (x)	-0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	440 kN
Permitted circumferential force, maximum (fz_max)	820 kN
Static radial load rating (Co_rad)	5.190 kN
Static axial load rating, tension (Co_ax_T)	46.745 kN
Static axial load rating, compression (Co_ax_H)	25.070 kN
Dynamic radial load rating (C_rad)	1.980 kN
Dynamic axial load rating, tension (C_ax_T)	9.018 kN
Dynamic axial load rating, compression (C_ax_H)	6.654 kN
PERFORMANCE RATINGS	
Fz Norm	440 kN | Not simultaneous with other listed dynamic ratings
Fz Max	820 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)	
Co Rad	5.190 kN | Not simultaneous with other listed dynamic ratings
Co Ax T	46.745 kN | Not simultaneous with other listed dynamic ratings
Co Ax H	25.070 kN | Not simultaneous with other listed dynamic ratings
C Rad	1.980 kN | Not simultaneous with other listed dynamic ratings
C Ax T	9.018 kN | Not simultaneous with other listed dynamic ratings
C Ax H	6.654 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	60 holes - See source drawing
Inner ring mounting	holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	24 mm
Number of teeth	150
SOURCE TRACEABILITY	
Source document code	IMO_TRIPLE_ROW_ROLLER_EN
Source file	imo_rollendrehverbindung-en.pdf
PDF page	11
Printed page	Not published
Source language	EN
Original unit system	Metric

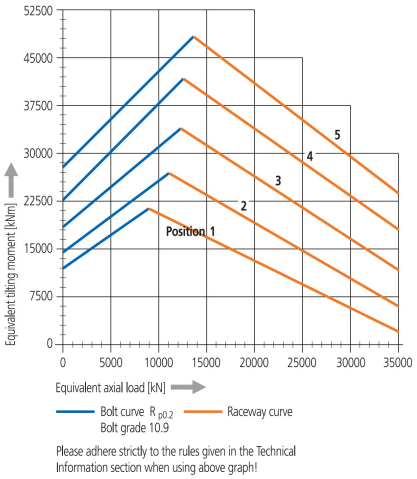
Complete Product Data

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-32504000207580-curve.webp | SHA-256: 349b78fd17d31ca91c8b0290eca95f596c945350821c6df1c34d3e5f01362791
Outline Drawing	imo-32504000207580-drawing.webp | SHA-256: 74b10d2067fc6e3149e8a36ce5e54f33b8557b3c5f8a7275fe12adcec39427f0

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
8 to 12 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. 0.5	max. 0.15
2	max. 0.5	max. 0.15
3	max. 0.5	max. 0.17
4	max. 0.6	max. 0.20
5	max. 0.6	max. 0.20

imo-32504000207580-curve.webp | SHA-256: 349b78fd17d31ca91c8b0290eca95f596c945350821c6df1c34d3e5f01362791

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

CXCJIAJNP6UUREPZBGUJRBMLA5

SOURCE DOCUMENT

IMO_TRIPLE_ROW_ROLLER_EN

SOURCE FILE

imo_rollendrehverbindung-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/pt/produtos/rolamentos-de-giro-de-substituicao/imo/32-50-4000-2-07580/