

Factory-Verified Replacement

MERYDOM 32-40 4500/2-07510

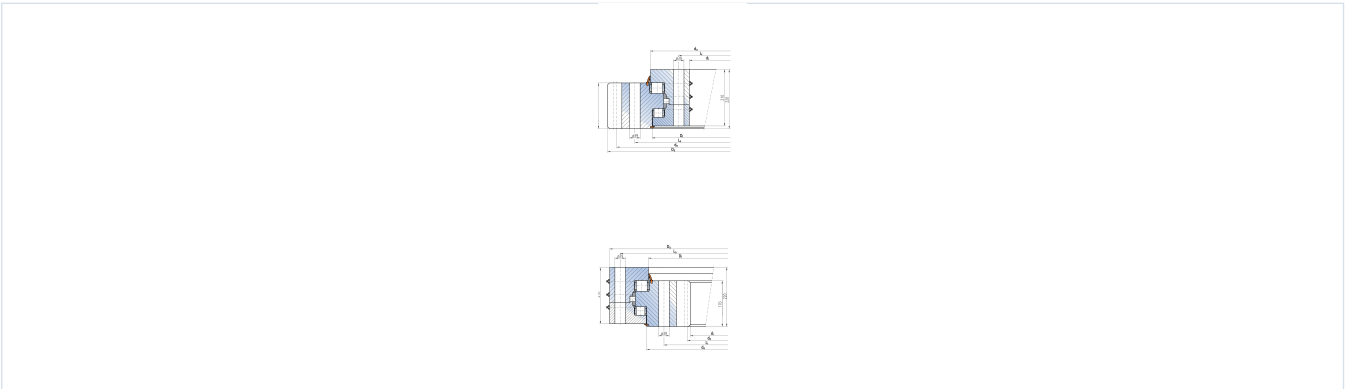
Certified for interchange with IMO 32-40 4500/2-07510.
This document consolidates the public product record,
complete published specifications, technical media,
source traceability and engineering confirmation notes.

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
32-40 4500/2-07510	IMO 32-40 4500/2-07510
SERIES	STRUCTURE
340 Series	s ral makaral
OVERALL OD	OVERALL ID
4,738 mm	4,128 mm
OVERALL HEIGHT	GEAR
mm	ten di li

Published Technical Drawing



imo-32404500207510-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 4500/2-07510
Certified interchangeable with	IMO 32-40 4500/2-07510
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	AZP5SWU772EMSQIUFAUBRHA6SR
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 4500/2-07510
Bearing structure	s ral makaral
Gear arrangement	ten di li
DIMENSION	
Overall outside diameter (Da)	4 738 mm
Overall inside diameter (di)	4 128 mm
Assembly weight (G)	5 367 kg

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MOUNTING	
Outer ring bolt circle (La)	4 660 mm
Inner ring bolt circle (Li)	4 335 mm
Outer ring mounting-hole count (na)	84
GEAR	
Gear pitch diameter (d)	4 152 mm
Gear module (m)	24 mm
Gear tooth count (z)	173
Addendum modification coefficient (x)	-0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	398 kN
Permitted circumferential force, maximum (fz_max)	740 kN
Static radial load rating (Co_rad)	3 905 kN
Static axial load rating, tension (Co_ax_T)	44 956 kN
Static axial load rating, compression (Co_ax_H)	24 501 kN
Dynamic radial load rating (C_rad)	1 461 kN
Dynamic axial load rating, tension (C_ax_T)	7 122 kN
Dynamic axial load rating, compression (C_ax_H)	5 270 kN
PERFORMANCE RATINGS	
Fz Norm	398 kN Not simultaneous with other listed dynamic ratings
Fz Max	740 kN Not simultaneous with other listed dynamic ratings

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PERFORMANCE RATINGS (CONTINUED)	
Co Rad	3 905 kN Not simultaneous with other listed dynamic ratings
Co Ax T	44 956 kN Not simultaneous with other listed dynamic ratings
Co Ax H	24 501 kN Not simultaneous with other listed dynamic ratings
C Rad	1 461 kN Not simultaneous with other listed dynamic ratings
C Ax T	7 122 kN Not simultaneous with other listed dynamic ratings
C Ax H	5 270 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	84 holes - See source drawing
Inner ring mounting	holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	24 mm
Number of teeth	173
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

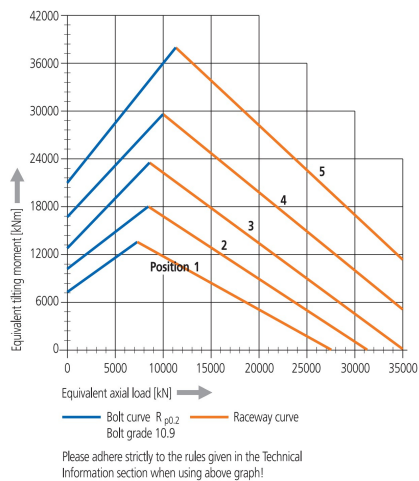
Complete Product Data

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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-32404500207510-curve.webp SHA-256: af7870c3b822781584a12c9a045a5691ff08e5119a9637b500682b1503e28283
Outline Drawing	imo-32404500207510-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.



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-32404500207510-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 AZP5SWU772EMSQIUFAUBRHA6SR	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

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Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/imo/32-40-4500-2-07510/>

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