

Factory-Verified Replacement

MERYDOM 32-20 2000/2-06790

Certified for interchange with IMO 32-20 2000/2-06790.
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

32-20 2000/2-06790

REFERENCE

IMO 32-20 2000/2-06790

SERIES

320 Series

STRUCTURE

Rulli a tre file

OVERALL OD

2,147 mm

OVERALL ID

1,760 mm

OVERALL HEIGHT

mm

GEAR

Dentatura interna

Published Technical Drawing



imo-32202000206790-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	32-20 2000/2-06790
Certified interchangeable with	IMO 32-20 2000/2-06790
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	TZSOM5WI65GWMGYHM74BZ6WOR2
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	320 Series
Reference model	32-20 2000/2-06790
Bearing structure	Rulli a tre file
Gear arrangement	Dentatura interna
DIMENSION	
Overall outside diameter (Da)	2.147 mm
Overall inside diameter (di)	1.760 mm
Assembly weight (G)	902 kg

Complete Product Data

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MOUNTING	
Outer ring bolt circle (La)	2.095 mm
Inner ring bolt circle (Li)	1.895 mm
Outer ring mounting-hole count (na)	54
GEAR	
Gear pitch diameter (d)	1.776 mm
Gear module (m)	16 mm
Gear tooth count (z)	111
Addendum modification coefficient (x)	-0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	175 kN
Permitted circumferential force, maximum (fz_max)	319 kN
Static radial load rating (Co_rad)	989 kN
Static axial load rating, tension (Co_ax_T)	11.812 kN
Static axial load rating, compression (Co_ax_H)	7.114 kN
Dynamic radial load rating (C_rad)	519 kN
Dynamic axial load rating, tension (C_ax_T)	1.768 kN
Dynamic axial load rating, compression (C_ax_H)	1.307 kN
PERFORMANCE RATINGS	
Fz Norm	175 kN Not simultaneous with other listed dynamic ratings
Fz Max	319 kN Not simultaneous with other listed dynamic ratings

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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	989 kN Not simultaneous with other listed dynamic ratings
Co Ax T	11.812 kN Not simultaneous with other listed dynamic ratings
Co Ax H	7.114 kN Not simultaneous with other listed dynamic ratings
C Rad	519 kN Not simultaneous with other listed dynamic ratings
C Ax T	1.768 kN Not simultaneous with other listed dynamic ratings
C Ax H	1.307 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	54 holes - See source drawing
Inner ring mounting	holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	16 mm
Number of teeth	111
SOURCE TRACEABILITY	
Source document code	IMO_TRIPLE_ROW_ROLLER_EN
Source file	imo_rollendrehverbindung-en.pdf
PDF page	3
Printed page	Not published
Source language	EN
Original unit system	Metric

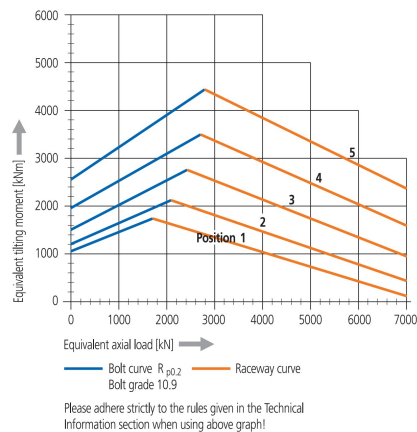
Complete Product Data

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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-32202000206790-curve.webp SHA-256: c66b3159844972ce5a219163728bf303ba1bebe4c16f75f8727f45b7e4f35c09
Outline Drawing	imo-32202000206790-drawing.webp SHA-256: 57299d4a79f6579981866ecb108a0d523f1640eb35e604ad1c148a609fc39af6

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
3 to 5 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. 0.20	max. 0.07
2	max. 0.20	max. 0.07
3	max. 0.25	max. 0.08
4	max. 0.25	max. 0.08
5	max. 0.25	max. 0.08

imo-32202000206790-curve.webp | SHA-256: c66b3159844972ce5a219163728bf303ba1bebe4c16f75f8727f45b7e4f35c09

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

TZSOM5WI65GWMGYHM74BZ6WOR2

SOURCE DOCUMENT

IMO_TRIPLE_ROW_ROLLER_EN

SOURCE FILE

imo_rollendrehverbindung-en.pdf

SOURCE LOCATION

PDF page 3 | 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/32-20-2000-2-06790/>

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