Factory-Verified Replacement

MERYDOM 32-25 2800/2-06890

Certified for interchange with IMO 32-25 2800/2-06890. 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
32-25 2800/2-06890

REFERENCE
IMO 32-25 2800/2-06890

SERIES
325 Series

STRUCTURE
Three-row roller

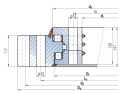
OVERALL OD
2,981 mm

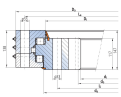
OVERALL ID
2,500 mm

OVERALL HEIGHT
mm

GEAR
Internal gear

Published Technical Drawing





imo-32252800206890-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	32-25 2800/2-06890
Certified interchangeable with	IMO 32-25 2800/2-06890
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	LMNBL5MWXGQ23VYBR5YCSKP2AI
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	325 Series
Reference model	32-25 2800/2-06890
Bearing structure	Three-row roller
Gear arrangement	Internal gear
DIMENSION	
Overall outside diameter (Da)	2,981 mm
Overall inside diameter (di)	2,500 mm
Assembly weight (G)	1,767 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)	2,915 mm
Inner ring bolt circle (Li)	2,675 mm
Outer ring mounting-hole count (na)	60
GEAR	
Gear pitch diameter (d)	2,520 mm
Gear module (m)	20 mm
Gear tooth count (z)	126
Addendum modification coefficient (x)	-0.5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	248 kN
Permitted circumferential force, maximum (fz_max)	449 kN
Static radial load rating (Co_rad)	2,194 kN
Static axial load rating, tension (Co_ax_T)	20,232 kN
Static axial load rating, compression (Co_ax_H)	11,901 kN
Dynamic radial load rating (C_rad)	907 kN
Dynamic axial load rating, tension (C_ax_T)	2,908 kN
Dynamic axial load rating, compression (C_ax_H)	2,121 kN
PERFORMANCE RATINGS	
Fz Norm	248 kN | Not simultaneous with other listed dynamic ratings
Fz Max	449 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	2,194 kN | Not simultaneous with other listed dynamic ratings
Co Ax T	20,232 kN | Not simultaneous with other listed dynamic ratings
Co Ax H	11,901 kN | Not simultaneous with other listed dynamic ratings
C Rad	907 kN | Not simultaneous with other listed dynamic ratings
C Ax T	2,908 kN | Not simultaneous with other listed dynamic ratings
C Ax H	2,121 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	20 mm
Number of teeth	126
SOURCE TRACEABILITY	
Source document code	IMO_TRIPLE_ROW_ROLLER_EN
Source file	imo_rollendrehverbindung-en.pdf
PDF page	5
Printed page	Not published
Source language	EN
Original unit system	Metric

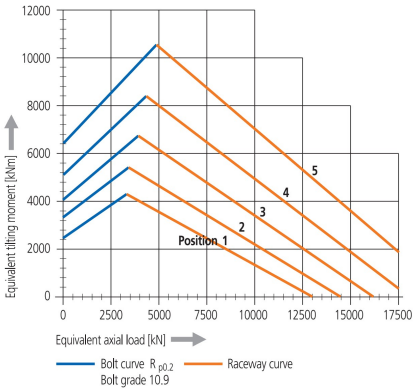
Complete Product Data

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-32252800206890-curve.webp | SHA-256: 52fbf5d8f3417d1f45453755727ddb33f4e8035b7d1cb58bbf178a361750b964
Outline Drawing	imo-32252800206890-drawing.webp | SHA-256: c93b57739309bfc78224ae6fc12277f40eb63d85c06edb9c8f25e9948b36272a

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
6 to 10 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. 0.25	max. 0.08
2	max. 0.25	max. 0.08
3	max. 0.33	max. 0.10
4	max. 0.33	max. 0.10
5	max. 0.40	max. 0.13

imo-32252800206890-curve.webp | SHA-256: 52fbf5d8f3417d1f45453755727ddb33f4e8035b7d1cb58bbf178a361750b964

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

LMNBL5MWXGQ23VYBR5YCSKP2AI

SOURCE DOCUMENT

IMO_TRIPLE_ROW_ROLLER_EN

SOURCE FILE

imo_rollendrehverbindung-en.pdf

SOURCE LOCATION

PDF page 5 | 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/products/slewing-bearing-replacements/imo/32-25-2800-2-06890/