Factory-Verified Replacement

MERYDOM 90-20 0641/0-07033

Certified for interchange with IMO 90-20 0641/0-07033. 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

90-20 0641/0-07033

REFERENCE

IMO 90-20 0641/0-07033

SERIES

920 Series

STRUCTURE

Cuscinetto a sfere con anelli flangiati

OVERALL OD

747 mm

OVERALL ID

535 mm

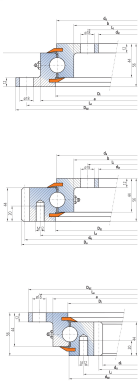
OVERALL HEIGHT

mm

GEAR

Senza dentatura

Published Technical Drawing



imo-90200641007033-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	90-20 0641/0-07033
Certified interchangeable with	IMO 90-20 0641/0-07033
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	KPXNSCZHP3RXHKJFC2Y7DXNXAZ
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	920 Series
Reference model	90-20 0641/0-07033
Bearing structure	Cuscinetto a sfere con anelli flangiati
Gear arrangement	Senza dentatura
DIMENSION	
Overall outside diameter (Da)	747 mm
Overall inside diameter (di)	535 mm
Assembly weight (G)	40 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)	720 mm
Outer ring mounting-hole count (na)	12
Inner ring bolt circle (Li)	562 mm
Inner ring mounting-hole count (ni)	16
PERFORMANCE	
Static radial load rating (Co_rad)	184 kN
Static axial load rating (Co_ax)	429 kN
Dynamic radial load rating (C_rad)	184 kN
Dynamic axial load rating (C_ax)	185 kN
PERFORMANCE RATINGS	
Co Rad	184 kN | Not simultaneous with other listed dynamic ratings
Co Ax	429 kN | Not simultaneous with other listed dynamic ratings
C Rad	184 kN | Not simultaneous with other listed dynamic ratings
C Ax	185 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	12 holes - See source drawing
Inner ring mounting	16 holes - See source drawing
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	

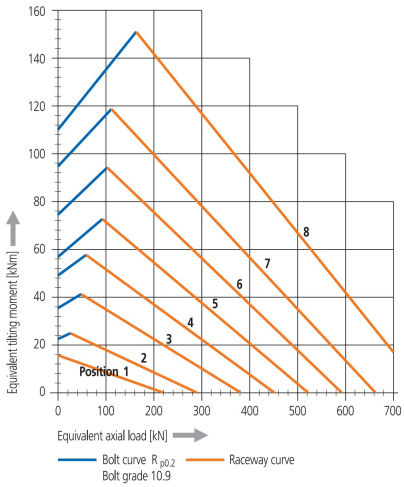
Complete Product Data

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

SOURCE TRACEABILITY (CONTINUED)	
Source document code	IMO_FLANGE_BALL_EN
Source file	imo_kugeldrehverbindung_mit_flanschring-en.pdf
PDF page	5
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-90200641007033-curve.webp | SHA-256: 19d2fe2a291fdbc2526400e39b60e5ffe7a0367df12ae58e259f81caa4d5966f
Outline Drawing	imo-90200641007033-drawing.webp | SHA-256: 9994aab92535c0bbe186166cc3049e209de39ef1dbfdd1df8785e382810a2749

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: C45N
4 Taper type grease nipples on the circumference
Mounting holes equally spaced
Raceway system supplied pre-lubricated
Dimensions without tolerances DIN ISO 2768 coarse

Clearance of precision version

Position	Radial Clearance	Axial Clearance
1	max. 0.03	max. 0.03
2	max. 0.03	max. 0.03
3	max. 0.03	max. 0.03
4	max. 0.04	max. 0.04
5	max. 0.04	max. 0.04
6	max. 0.05	max. 0.05
7	max. 0.05	max. 0.05
8	max. 0.06	max. 0.06

imo-90200641007033-curve.webp | SHA-256: 19d2fe2a291fdbc2526400e39b60e5ffe7a0367df12ae58e259f81caa4d5966f

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

KPXNSCZHP3RXHKJFC2Y7DXNXAZ

SOURCE DOCUMENT

IMO_FLANGE_BALL_EN

SOURCE FILE

imo_kugeldrehverbindung_mit_flanschring-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

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Product page: https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/imo/90-20-0641-0-07033/