

Factory-Verified Replacement

MERYDOM 11-50 2645/2-06430

Certified for interchange with IMO 11-50 2645/2-06430.
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

11-50 2645/2-06430

REFERENCE

IMO 11-50 2645/2-06430

SERIES

150 Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

2,892.8 mm

OVERALL ID

2,474 mm

OVERALL HEIGHT

mm

GEAR

Dentatura esterna

Published Technical Drawing



imo-11502645206430-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	11-50 2645/2-06430
Certified interchangeable with	IMO 11-50 2645/2-06430
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	7REEDFGHJLBO4Z4T4MOLPJ7I24
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	150 Series
Reference model	11-50 2645/2-06430
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Overall outside diameter (Da)	2.892,8 mm
Overall inside diameter (di)	2.474 mm
MOUNTING	
Outer ring bolt circle (La)	1.142 mm

Complete Product Data

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MOUNTING (CONTINUED)	
Outer ring mounting-hole count (na)	2.750
Common mounting-hole diameter (B)	2.540 mm
Inner ring bolt circle (Li)	60 mm
Inner ring mounting-hole count (ni)	2.848
GEAR	
Gear pitch diameter (d)	16 mm
Gear module (m)	178 mm
Gear tooth count (z)	0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	155 kN
Permitted circumferential force, maximum (fz_max)	273 kN
Static radial load rating (Co_rad)	4.625 kN
Static axial load rating (Co_ax)	12.378 kN
Dynamic radial load rating (C_rad)	1.279 kN
Dynamic axial load rating (C_ax)	1.490 kN
PERFORMANCE RATINGS	
Fz Norm	155 kN Not simultaneous with other listed dynamic ratings
Fz Max	273 kN Not simultaneous with other listed dynamic ratings
Co Rad	4.625 kN Not simultaneous with other listed dynamic ratings
Co Ax	12.378 kN Not simultaneous with other listed dynamic ratings

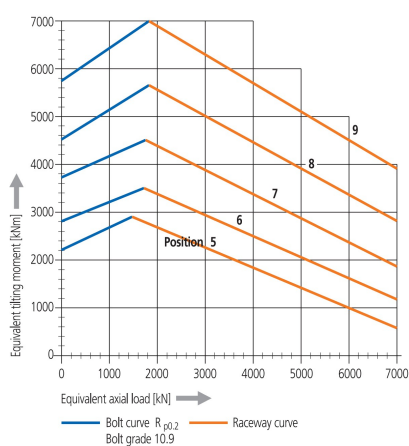
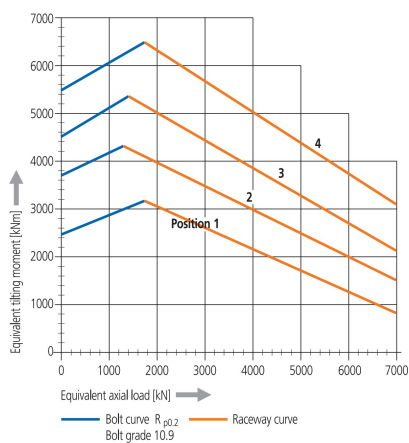
Complete Product Data

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)	
C Rad	1.279 kN Not simultaneous with other listed dynamic ratings
C Ax	1.490 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	2750 holes - B 2540 mm
Inner ring mounting	2848 holes - B 2540 mm
GEAR INTERFACE	
Pitch system	module
Module reference	178 mm
Number of teeth	0
SOURCE TRACEABILITY	
Source document code	IMO_SINGLE_ROW_BALL_EN
Source file	imo_dkugeldrehverbindungen_einreihig-en.pdf
PDF page	13
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-11502645206430-curve.webp SHA-256: fb7b69dbe418b7a5ff8c2a58674c5866dbd20c666f3eabf6662bd0db9fb076dd
Outline Drawing	imo-11502645206430-drawing.webp SHA-256: 172d7f31aafdd5324d091758b0edd2aa38df01e5b1e32b6e090e6333f73cdb16

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.



Radial clearance: 0 - 0.4 mm
Axial clearance: 0 - 0.75 mm
Bearing ring material: 42CrMo4V
9 to 12 Taper type grease nipples on circumference
Mounting holes equally spaced
Raceway system supplied pre-lubricated
Dimensions without tolerances DIN ISO 2768 coarse

imo-11502645206430-curve.webp | SHA-256: fb7b69dbe418b7a5ff8c2a58674c5866dbd20c666f3eabf6662bd0db9fb076dd

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**7REEDFGHJLBO4Z4T4MOLPJ7I24****SOURCE DOCUMENT****IMO_SINGLE_ROW_BALL_EN****SOURCE FILE****imo_dkugeldrehverbindungen_einreihig-en.pdf****SOURCE LOCATION****PDF page 13 | 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 17705201170Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/imo/11-50-2645-2-06430/>

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