

MERYDOM 11-50 2355/2-06420

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

External gear

[illegible]

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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 2355/2-06420
Certified interchangeable with	IMO 11-50 2355/2-06420
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	MFON64PMVLKXXQH5RFFHVNWOEW
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 2355/2-06420
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Overall outside diameter (Da)	2,604.8 mm
Overall inside diameter (di)	2,184 mm
MOUNTING	
Outer ring bolt circle (La)	1,024 mm

Complete Product Data

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MOUNTING (CONTINUED)	
Outer ring mounting-hole count (na)	2,460
Common mounting-hole diameter (B)	2,250 mm
Inner ring bolt circle (Li)	54 mm
Inner ring mounting-hole count (ni)	2,560
GEAR	
Gear pitch diameter (d)	16 mm
Gear module (m)	160 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)	4,118 kN
Static axial load rating (Co_ax)	11,020 kN
Dynamic radial load rating (C_rad)	1,223 kN
Dynamic axial load rating (C_ax)	1,425 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	4,118 kN Not simultaneous with other listed dynamic ratings
Co Ax	11,020 kN Not simultaneous with other listed dynamic ratings

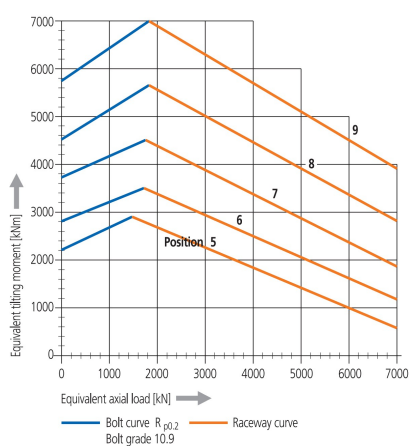
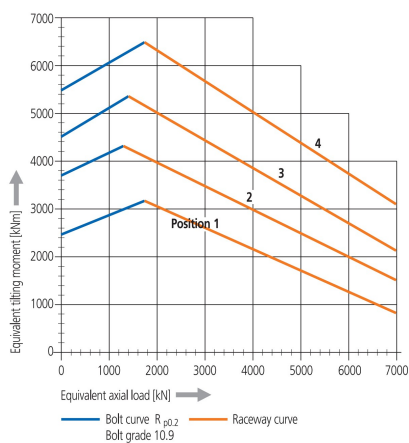
Complete Product Data

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	1,223 kN Not simultaneous with other listed dynamic ratings
C Ax	1,425 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	2460 holes - B 2250 mm
Inner ring mounting	2560 holes - B 2250 mm
GEAR INTERFACE	
Pitch system	module
Module reference	160 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-11502355206420-curve.webp SHA-256: fb7b69dbe418b7a5ff8c2a58674c5866dbd20c666f3eabf6662bd0db9fb076dd
Outline Drawing	imo-11502355206420-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-11502355206420-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 MFON64PMVLKXXQH5RFFHVNWOEW	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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/imo/11-50-2355-2-06420/>

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