

MERYDOM 10-25 0371/0-00181

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

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	10-25 0371/0-00181
Certified interchangeable with	IMO 10-25 0371/0-00181
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	QYPQC7KIT6M2Y2OTEXGOZJMINJ
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	OTHER_STANDARD_BALL Series
Reference model	10-25 0371/0-00181
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Assembly weight (G)	43 kg
MOUNTING	
Outer ring mounting-hole count (na)	16

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	16
PERFORMANCE	
Static radial load rating (Co_rad)	282 kN
Static axial load rating (Co_ax)	755 kN
Dynamic radial load rating (C_rad)	226 kN
Dynamic axial load rating (C_ax)	263 kN
PERFORMANCE RATINGS	
Co Rad	282 kN Not simultaneous with other listed dynamic ratings
Co Ax	755 kN Not simultaneous with other listed dynamic ratings
C Rad	226 kN Not simultaneous with other listed dynamic ratings
C Ax	263 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	16 holes - See source drawing
Inner ring mounting	16 holes - See source drawing
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	7

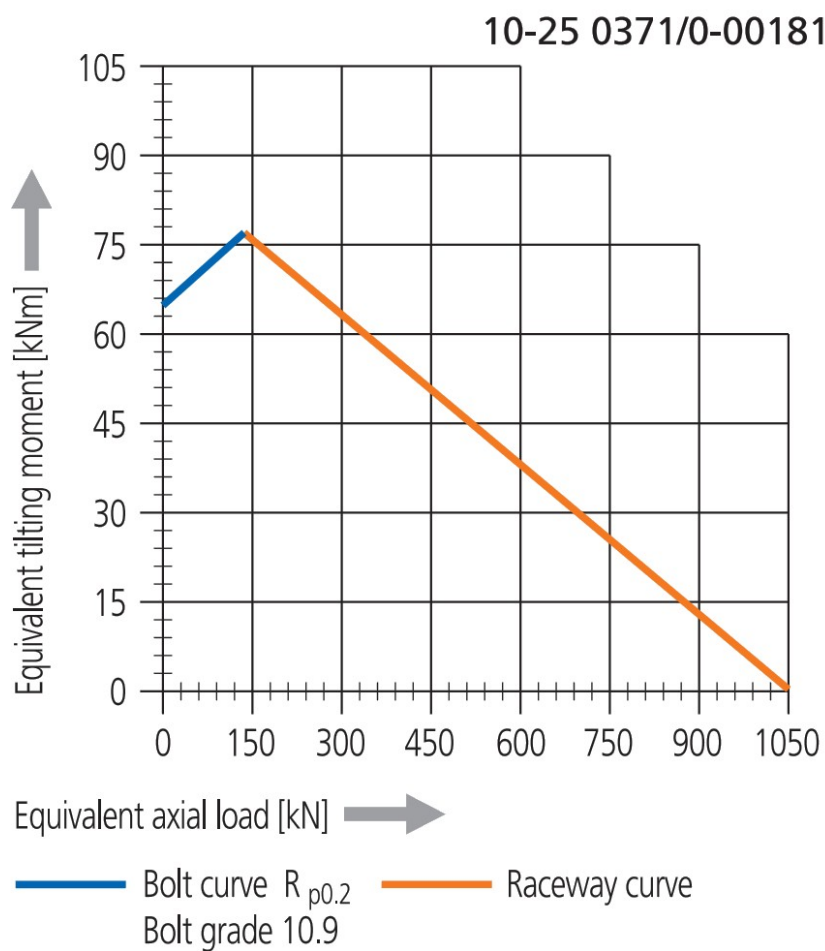
Complete Product Data

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)	
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-10250371000181-curve.webp SHA-256: f5bc387c01bcc6945c6810a184e9619ac11f1e52f35c3e36dcb51443b586149a
Outline Drawing	imo-10250371000181-drawing.webp SHA-256: bb375e9d1a384ff8c93aeda482792980dcf7496ad0f79bed896deb6bac92264f

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!

imo-10250371000181-curve.webp | SHA-256: f5bc387c01bcc6945c6810a184e9619ac11f1e52f35c3e36dcb51443b586149a

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 QYPQC7KIT6M2Y2OTEXGOZJMINJ	SOURCE DOCUMENT IMO_OTHER_STANDARD_BALL_EN
SOURCE FILE imo_weitere_standard-kugeldrehverbindungen-en.pdf	SOURCE LOCATION PDF page 7 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/10-25-0371-0-00181/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.