

Factory-Verified Replacement

MERYDOM 11-25 0537/1-05677

Certified for interchange with IMO 11-25 0537/1-05677.
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

11-25 0537/1-05677

REFERENCE

IMO 11-25 0537/1-05677

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Four-point contact ball

OVERALL OD

mm

OVERALL ID

mm

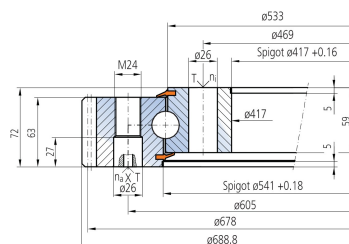
OVERALL HEIGHT

mm

GEAR

External gear

Published Technical Drawing



imo-11250537105677-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	11-25 0537/1-05677
Certified interchangeable with	IMO 11-25 0537/1-05677
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	KKESRY6T3WGMQBFSMGELATWGZO
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	11-25 0537/1-05677
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Assembly weight (G)	137 kg
MOUNTING	
Outer ring mounting-hole count (na)	36

Complete Product Data

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	35*
GEAR	
Gear module (m)	10 mm
Gear tooth count (z)	81
Addendum modification coefficient (x)	0.5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	68 kN
Permitted circumferential force, maximum (fz_max)	117 kN
Static radial load rating (Co_rad)	899 kN
Static axial load rating (Co_ax)	2,406 kN
Dynamic radial load rating (C_rad)	486 kN
Dynamic axial load rating (C_ax)	565 kN
PERFORMANCE RATINGS	
Fz Norm	68 kN Not simultaneous with other listed dynamic ratings
Fz Max	117 kN Not simultaneous with other listed dynamic ratings
Co Rad	899 kN Not simultaneous with other listed dynamic ratings
Co Ax	2,406 kN Not simultaneous with other listed dynamic ratings
C Rad	486 kN Not simultaneous with other listed dynamic ratings
C Ax	565 kN Not simultaneous with other listed dynamic ratings

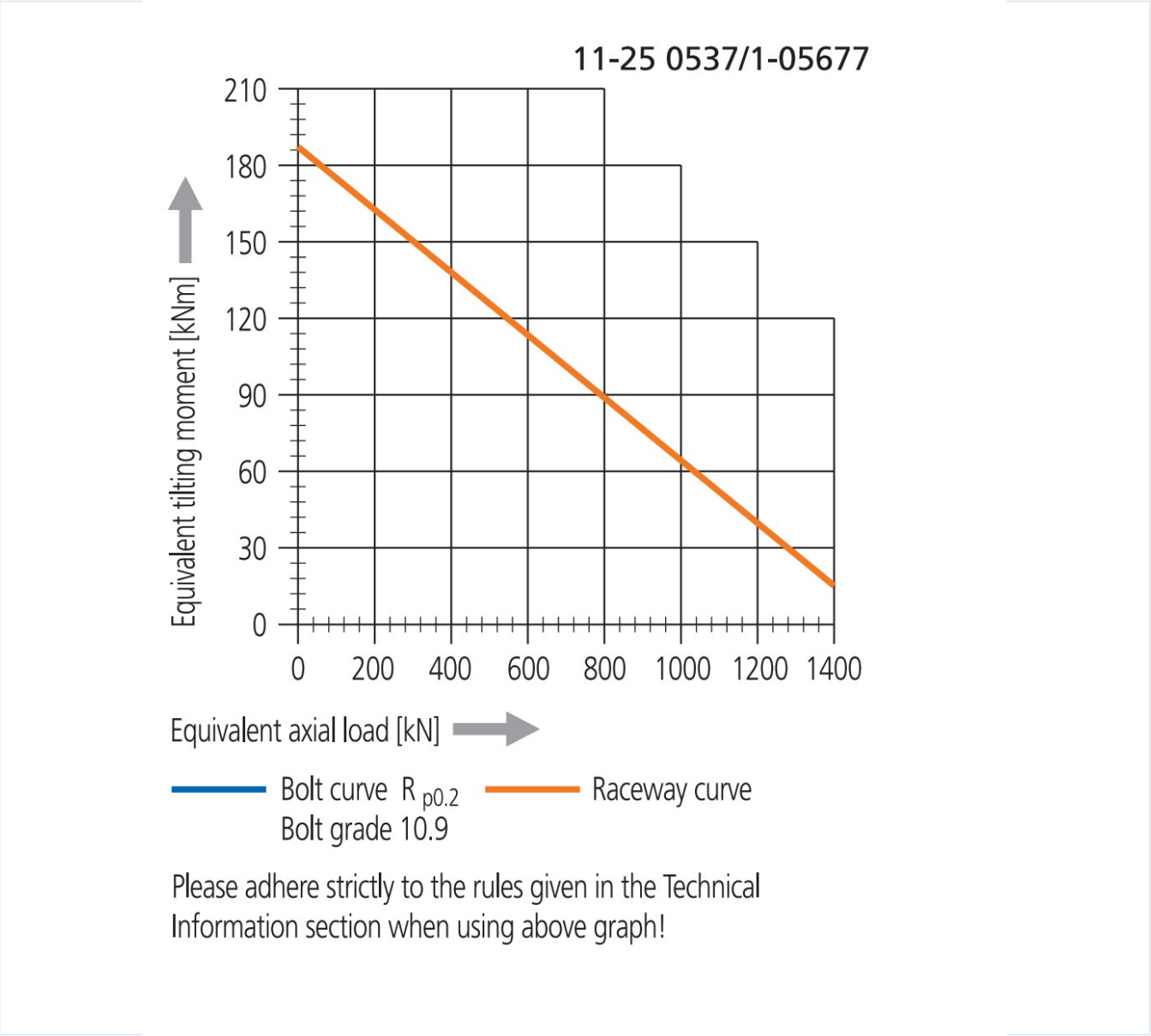
Complete Product Data

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

MOUNTING INTERFACES	
Outer ring mounting	36 holes - See source drawing
Inner ring mounting	35 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	81
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	17
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-11250537105677-curve.webp SHA-256: ad871d48ab0b556756ae36849fedbfe7e36be15a033cb03317a2ef4fbe d4b690
Outline Drawing	imo-11250537105677-drawing.webp SHA-256: 449aceb1eb14c52d3f4a10e12b7782b4a14c065be4dd3c9f604fc25cc4 563e85

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.



imo-11250537105677-curve.webp | SHA-256: ad871d48ab0b556756ae36849fedbfe7e36be15a033cb03317a2ef4fbed4b690

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 KKESRY6T3WGMQBFSMGELATWGZO	SOURCE DOCUMENT IMO_OTHER_STANDARD_BALL_EN
SOURCE FILE imo_weitere_standard-kugeldrehverbindungen-en.pdf	SOURCE LOCATION PDF page 17 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/11-25-0537-1-05677/>

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