

MERYDOM 11-25 1845/1-03705

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 1845/1-03705

REFERENCE

IMO 11-25 1845/1-03705

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Four-point contact ball

OVERALL OD

mm

OVERALL ID

mm

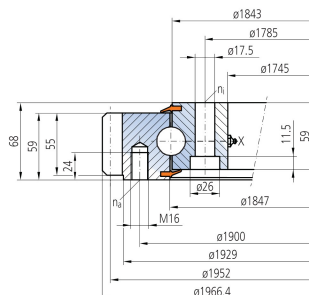
OVERALL HEIGHT

mm

GEAR

External gear

Published Technical Drawing



imo-11251845103705-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 1845/1-03705
Certified interchangeable with	IMO 11-25 1845/1-03705
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	RM5VWJMVYETAL7ZTYZBWILB7ZK
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 1845/1-03705
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Assembly weight (G)	261 kg
MOUNTING	
Outer ring mounting-hole count (na)	36

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 (CONTINUED)	
Inner ring mounting-hole count (ni)	36
GEAR	
Gear module (m)	8 mm
Gear tooth count (z)	244
Addendum modification coefficient (x)	0
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	27 kN
Permitted circumferential force, maximum (fz_max)	48 kN
Static radial load rating (Co_rad)	1,951 kN
Static axial load rating (Co_ax)	5,220 kN
Dynamic radial load rating (C_rad)	543 kN
Dynamic axial load rating (C_ax)	633 kN
PERFORMANCE RATINGS	
Fz Norm	27 kN Not simultaneous with other listed dynamic ratings
Fz Max	48 kN Not simultaneous with other listed dynamic ratings
Co Rad	1,951 kN Not simultaneous with other listed dynamic ratings
Co Ax	5,220 kN Not simultaneous with other listed dynamic ratings
C Rad	543 kN Not simultaneous with other listed dynamic ratings
C Ax	633 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	

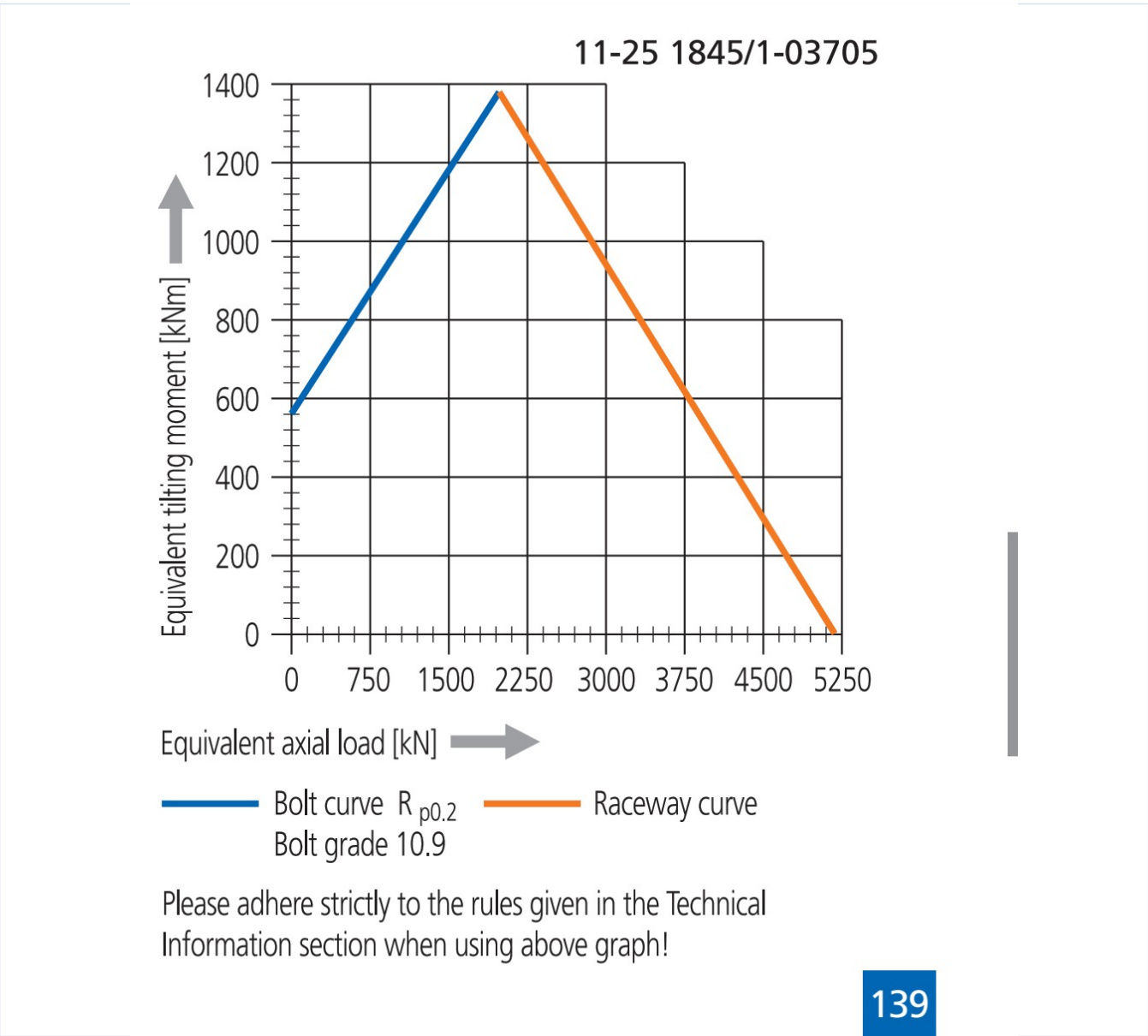
Complete Product Data

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 (CONTINUED)	
Outer ring mounting	36 holes - See source drawing
Inner ring mounting	36 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	244
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	23
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-11251845103705-curve.webp SHA-256: 6e0c03304f3e80b778d99a8ec57f67b2424cc68139c1838752589b847b45a461
Outline Drawing	imo-11251845103705-drawing.webp SHA-256: c31d4b9f5fa0ea8814c2f7367d47cf3e64b225ff9eb8643ba6ca2ef0a67f2587

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-11251845103705-curve.webp | SHA-256: 6e0c03304f3e80b778d99a8ec57f67b2424cc68139c1838752589b847b45a461

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 RM5VWJMVYETAL7ZTYZBWILB7ZK	SOURCE DOCUMENT IMO_OTHER_STANDARD_BALL_EN
SOURCE FILE imo_weitere_standard-kugeldrehverbindungen-en.pdf	SOURCE LOCATION PDF page 23 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 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/imo/11-25-1845-1-03705/>

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