

MERYDOM 11-16 0235/1-01933

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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	11-16 0235/1-01933
Certified interchangeable with	IMO 11-16 0235/1-01933
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	US64MJVNFO4GKCZAXF2REHPA2G
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	11-16 0235/1-01933
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem externa
DIMENSION	
Assembly weight (G)	30 kg
MOUNTING	
Outer ring mounting-hole count (na)	24

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	23*
GEAR	
Gear module (m)	5 mm
Gear tooth count (z)	80
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	10,6 kN
Permitted circumferential force, maximum (fz_max)	20,3 kN
Static radial load rating (Co_rad)	229 kN
Static axial load rating (Co_ax)	614 kN
Dynamic radial load rating (C_rad)	209 kN
Dynamic axial load rating (C_ax)	242 kN
PERFORMANCE RATINGS	
Fz Norm	10,6 kN Not simultaneous with other listed dynamic ratings
Fz Max	20,3 kN Not simultaneous with other listed dynamic ratings
Co Rad	229 kN Not simultaneous with other listed dynamic ratings
Co Ax	614 kN Not simultaneous with other listed dynamic ratings
C Rad	209 kN Not simultaneous with other listed dynamic ratings
C Ax	242 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - See source drawing

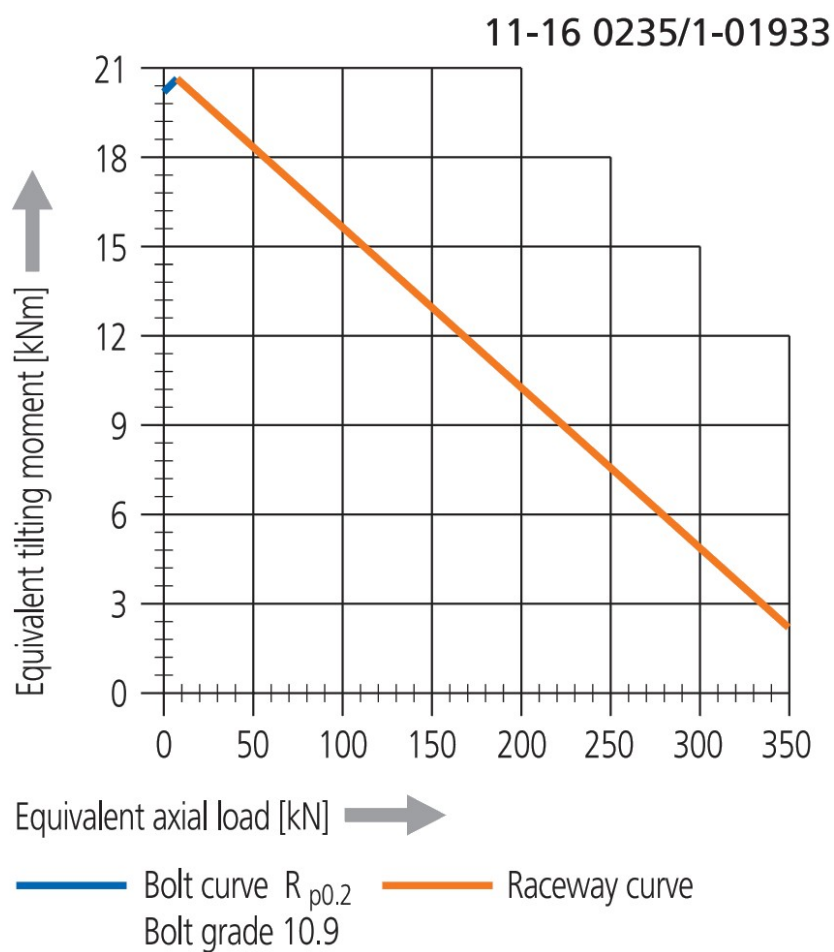
Complete Product Data

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MOUNTING INTERFACES (CONTINUED)	
Inner ring mounting	23 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	5 mm
Number of teeth	80
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	15
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-11160235101933-curve.webp SHA-256: 43c551e3e442aa2278ff695b2b1eddf1ba536d048b8438d2e92cb8eabe f1b785
Outline Drawing	imo-11160235101933-drawing.webp SHA-256: c7e126b251000b4eb9138146c0a1cfa44e55ea5065e1d6a7e859dd2b12 7696cb

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-11160235101933-curve.webp | SHA-256: 43c551e3e442aa2278ff695b2b1eddf1ba536d048b8438d2e92cb8eabef1b785

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

US64MJVNFO4GKCZAXF2REHPA2G

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-en.pdf

SOURCE LOCATION

PDF page 15 | 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/pt/produtos/rolamentos-de-giro-de-substituicao/imo/11-16-0235-1-01933/>

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