

MERYDOM 82-40 2950/2-07635

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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	82-40 2950/2-07635
Certified interchangeable with	IMO 82-40 2950/2-07635
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	A46JDBQM3QLSIJSGF3WETJMRX6
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	840 Series
Reference model	82-40 2950/2-07635
Bearing structure	Esferas de duplo contato axial
Gear arrangement	Engrenagem interna
DIMENSION	
Overall outside diameter (Da)	3.100 mm
Overall inside diameter (di)	2.646 mm
Assembly weight (G)	1.764 kg

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MOUNTING	
Outer ring bolt circle (La)	3.045 mm
Inner ring bolt circle (Li)	2.815 mm
Outer ring mounting-hole count (na)	60
GEAR	
Gear pitch diameter (d)	2.664 mm
Gear module (m)	18 mm
Gear tooth count (z)	148
Addendum modification coefficient (x)	-0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	214 kN
Permitted circumferential force, maximum (fz_max)	385 kN
Static radial load rating (Co_rad)	2.786 kN
Static axial load rating, tension (Co_ax_T)	13.934 kN
Static axial load rating, compression (Co_ax_H)	11.439 kN
Dynamic radial load rating (C_rad)	594 kN
Dynamic axial load rating, tension (C_ax_T)	1.403 kN
Dynamic axial load rating, compression (C_ax_H)	1.117 kN
PERFORMANCE RATINGS	
Fz Norm	214 kN Not simultaneous with other listed dynamic ratings
Fz Max	385 kN Not simultaneous with other listed dynamic ratings

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PERFORMANCE RATINGS (CONTINUED)	
Co Rad	2.786 kN Not simultaneous with other listed dynamic ratings
Co Ax T	13.934 kN Not simultaneous with other listed dynamic ratings
Co Ax H	11.439 kN Not simultaneous with other listed dynamic ratings
C Rad	594 kN Not simultaneous with other listed dynamic ratings
C Ax T	1.403 kN Not simultaneous with other listed dynamic ratings
C Ax H	1.117 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	60 holes - See source drawing
Inner ring mounting	holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	18 mm
Number of teeth	148
SOURCE TRACEABILITY	
Source document code	IMO_DOUBLE_AXIAL_EN
Source file	imo_doppel-axial-drehverbindungen-en.pdf
PDF page	3
Printed page	Not published
Source language	EN
Original unit system	Metric

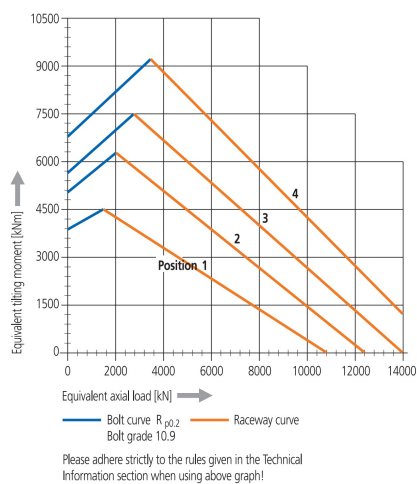
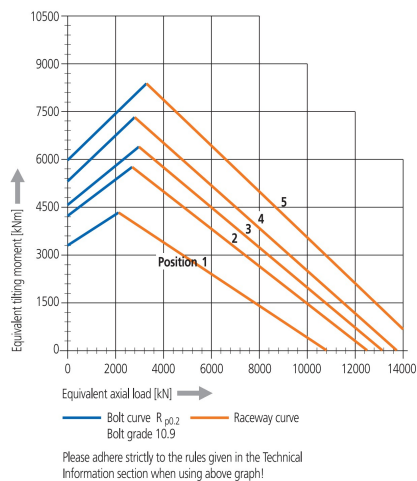
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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-82402950207635-curve.webp SHA-256: d974974b85b828218d457eb64135dd69f9e8145051cdff9b20b2fa8914808aef
Outline Drawing	imo-82402950207635-drawing.webp SHA-256: 72f379d99754407dadfdb948cf3cb00e6c5701f0c9558abe84e87dde521323c5

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-82402950207635-curve.webp | SHA-256: d974974b85b828218d457eb64135dd69f9e8145051cdf9b20b2fa8914808aef

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

A46JDBQM3QLSIJSGF3WETJMRX6

SOURCE DOCUMENT

IMO_DOUBLE_AXIAL_EN

SOURCE FILE

imo_doppel-axial-drehverbindungen-en.pdf

SOURCE LOCATION

PDF page 3 | 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/82-40-2950-2-07635/>

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