

MERYDOM 81-40 2795/2-07610

Certified for interchange with IMO 81-40 2795/2-07610.
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.

REFERENCE

IMO 81-40 2795/2-07610

STRUCTURE

Esferas de duplo contato axial

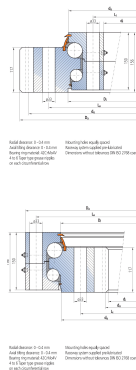
OVERALL ID

2,645 mm

GEAR

Engrenagem externa

Published Technical Drawing



imo-81402795207610-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	81-40 2795/2-07610
Certified interchangeable with	IMO 81-40 2795/2-07610
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	QLZHUBZBRPRTUNZNFW3JE2I5SB
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	81-40 2795/2-07610
Bearing structure	Esferas de duplo contato axial
Gear arrangement	Engrenagem externa
DIMENSION	
Overall outside diameter (Da)	3.096 mm
Overall inside diameter (di)	2.645 mm
Assembly weight (G)	1.723 kg

Complete Product Data

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MOUNTING	
Outer ring bolt circle (La)	2.930 mm
Inner ring bolt circle (Li)	2.700 mm
Outer ring mounting-hole count (na)	54
GEAR	
Gear pitch diameter (d)	3.040 mm
Gear module (m)	20 mm
Gear tooth count (z)	152
Addendum modification coefficient (x)	0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	233 kN
Permitted circumferential force, maximum (fz_max)	408 kN
Static radial load rating (Co_rad)	2.625 kN
Static axial load rating, tension (Co_ax_T)	13.201 kN
Static axial load rating, compression (Co_ax_H)	10.778 kN
Dynamic radial load rating (C_rad)	580 kN
Dynamic axial load rating, tension (C_ax_T)	1.375 kN
Dynamic axial load rating, compression (C_ax_H)	1.091 kN
PERFORMANCE RATINGS	
Fz Norm	233 kN Not simultaneous with other listed dynamic ratings
Fz Max	408 kN Not simultaneous with other listed dynamic ratings

Complete Product Data

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PERFORMANCE RATINGS (CONTINUED)	
Co Rad	2.625 kN Not simultaneous with other listed dynamic ratings
Co Ax T	13.201 kN Not simultaneous with other listed dynamic ratings
Co Ax H	10.778 kN Not simultaneous with other listed dynamic ratings
C Rad	580 kN Not simultaneous with other listed dynamic ratings
C Ax T	1.375 kN Not simultaneous with other listed dynamic ratings
C Ax H	1.091 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	54 holes - See source drawing
Inner ring mounting	holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	20 mm
Number of teeth	152
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

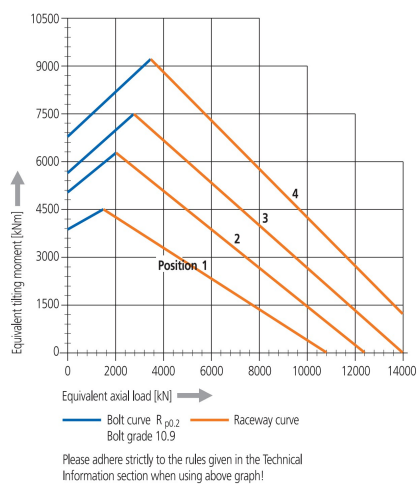
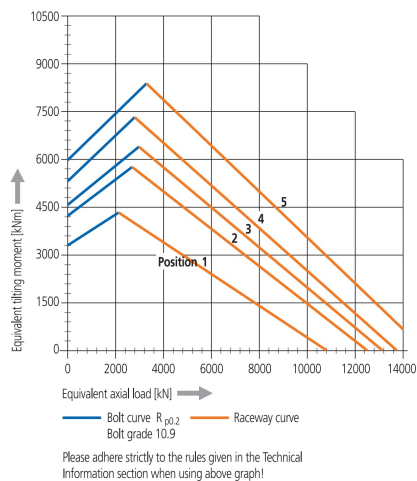
Complete Product Data

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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-81402795207610-curve.webp SHA-256: d974974b85b828218d457eb64135dd69f9e8145051cdff9b20b2fa8914808aef
Outline Drawing	imo-81402795207610-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-81402795207610-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

QLZHUBZBRPRTUNZNFW3JE2I5SB

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/81-40-2795-2-07610/>

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