

Factory-Verified Replacement

MERYDOM VA 160302 N

Certified for interchange with INA VA 160302 N. 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

VA 160302 N

REFERENCE

INA VA 160302 N

SERIES

VA Series

STRUCTURE

D rt nokta temasl bilyal

OVERALL OD

384 mm

OVERALL ID

238 mm

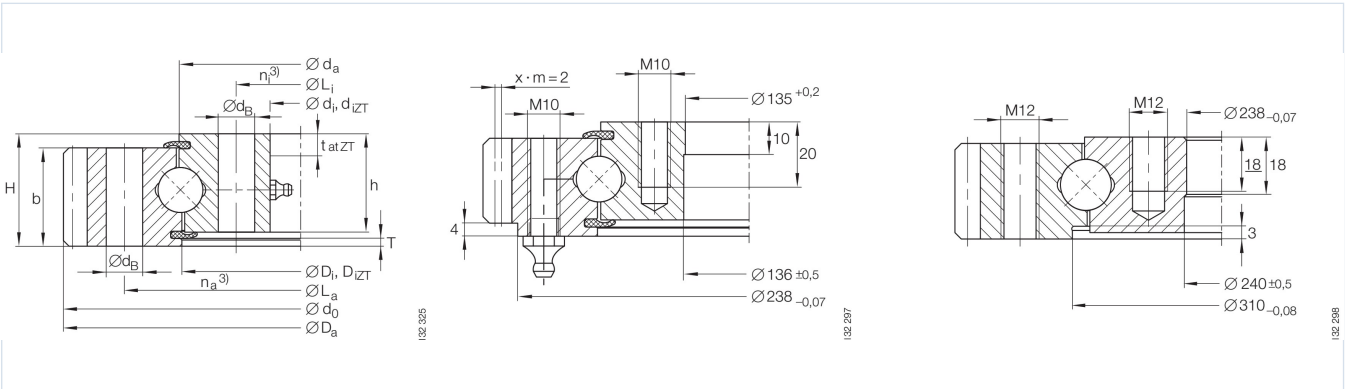
OVERALL HEIGHT

32 mm

GEAR

D tan di li

Published Technical Drawing



ina-g10-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	VA 160302 N
Certified interchangeable with	INA VA 160302 N
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	7POP5QSB2P265OXV3NGXAWQIDS
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	INA
Reference series	VA Series
Reference model	VA 160302 N
Bearing structure	D rt nokta temasl bilyal
Gear arrangement	D tan di li
DIMENSION	
Mass (Mass)	14 kg
Overall outside diameter (Da)	384 mm
Overall inside diameter (di)	238 mm

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.

DIMENSION (CONTINUED)	
Catalog diameter da (da)	302,3 mm
Overall height (H)	32 mm
Inner height (h)	30 mm
MOUNTING	
Outer ring bolt circle (La)	343 mm
Inner ring bolt circle (Li)	262 mm
Outer ring mounting-hole count (na)	20
Inner ring mounting-hole count (ni)	20
GEAR	
Gear pitch diameter (d0)	376 mm
Gear module (m)	4 mm
Gear tooth count (z)	94
Gear face width (b)	30 mm
PERFORMANCE	
Maximum permissible radial load (Fr perm)	82,6 kN
Basic dynamic axial load rating (Ca)	168 kN
Basic static axial load rating (C0a)	445 kN
Basic dynamic radial load rating (Cr)	110 kN
Basic static radial load rating (C0r)	200 kN
Normal tooth force (Fznorm)	11 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fzmax)	16,1 kN
PERFORMANCE RATINGS	
Rating Radial Static	200 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	445 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	110 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	168 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	16,1 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	11 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	82,6 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	20 holes - See source drawing
Inner ring mounting	20 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	4 mm
Number of teeth	94
SOURCE TRACEABILITY	
Source document code	INA-SLEWING-RINGS-CATALOGUE-404-2012
Source file	404_de_en_1.pdf
PDF page	72

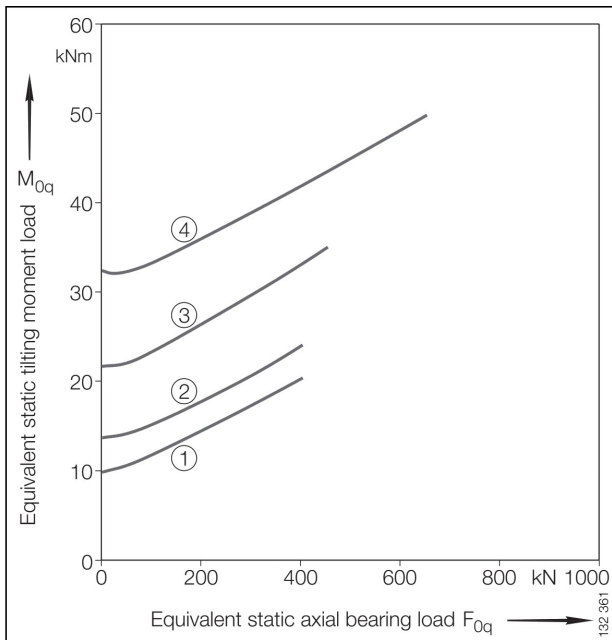
Complete Product Data

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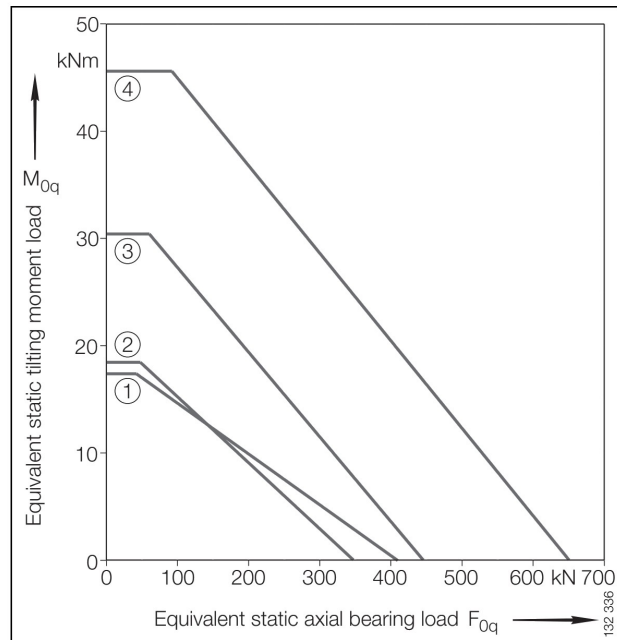
SOURCE TRACEABILITY (CONTINUED)	
Printed page	70
Source language	EN-DE
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g10-curve.webp SHA-256: c06f84f6c37bea7edebe0061b06aa286a66664931e67da47ab10d65bc74cebba
Outline Drawing	ina-g10-drawing.webp SHA-256: 31aaf2770d43a1825059ca4c4cd4af6c117c25e0048688f77d24515da43dfc09

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.



Static limiting load diagram



Static limiting load diagram

ina-g10-curve.webp | SHA-256: c06f84f6c37bea7edebe0061b06aa286a66664931e67da47ab10d65bc74cebba

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 7POP5QSB2P265OXV3NGXAWQIDS	SOURCE DOCUMENT INA-SLEWING-RINGS-CATALOGUE-404-2012
SOURCE FILE 404_de_en_1.pdf	SOURCE LOCATION PDF page 72 Printed page 70
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/tr/urunler/muadil-doner-tabla-rulmanlari/ina/va-160302-n/>

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