

Factory-Verified Replacement

MERYDOM VA 140188 V

Certified for interchange with INA VA 140188 V. 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 140188 V

REFERENCE
INA VA 140188 V

SERIES
VA Series

STRUCTURE
Sfere a quattro punti di contatto

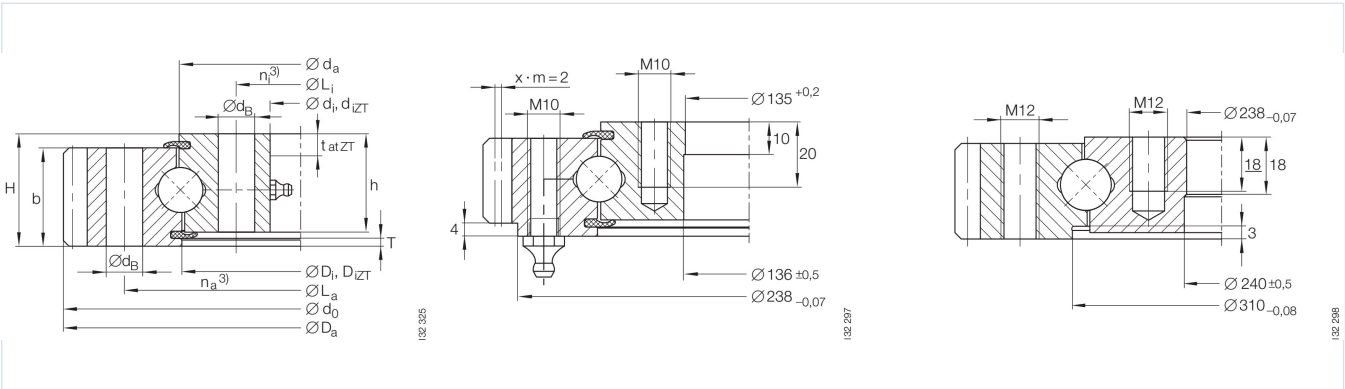
OVERALL OD
259.36 mm

OVERALL ID
135 mm

OVERALL HEIGHT
35 mm

GEAR
Dentatura esterna

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 140188 V
Certified interchangeable with	INA VA 140188 V
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	DAKF76LLQ4AHCYKKQ3HLJSH26A
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 140188 V
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Mass (Mass)	7,5 kg
Overall outside diameter (Da)	259,36 mm
Overall inside diameter (di)	135 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 Di (Di)	189 mm
Catalog diameter da (da)	187 mm
Overall height (H)	35 mm
Inner height (h)	30 mm
MOUNTING	
Outer ring bolt circle (La)	222 mm
Inner ring bolt circle (Li)	154 mm
Outer ring mounting-hole count (na)	16
Inner ring mounting-hole count (ni)	16
GEAR	
Gear pitch diameter (d0)	248 mm
Gear module (m)	4 mm
Gear tooth count (z)	62
Gear face width (b)	26 mm
PERFORMANCE	
Maximum permissible radial load (Fr perm)	44,8 kN
Basic dynamic axial load rating (Ca)	118 kN
Basic static axial load rating (C0a)	410 kN
Basic dynamic radial load rating (Cr)	77 kN
Basic static radial load rating (C0r)	185 kN

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PERFORMANCE (CONTINUED)	
Normal tooth force (Fznorm)	10,4 kN
Maximum tooth force (Fzmax)	15,3 kN
PERFORMANCE RATINGS	
Rating Radial Static	185 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	410 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	77 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	118 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	15,3 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	10,4 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	44,8 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	16 holes - See source drawing
Inner ring mounting	16 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	4 mm
Number of teeth	62
SOURCE TRACEABILITY	
Source document code	INA-SLEWING-RINGS-CATALOGUE-404-2012
Source file	404_de_en_1.pdf

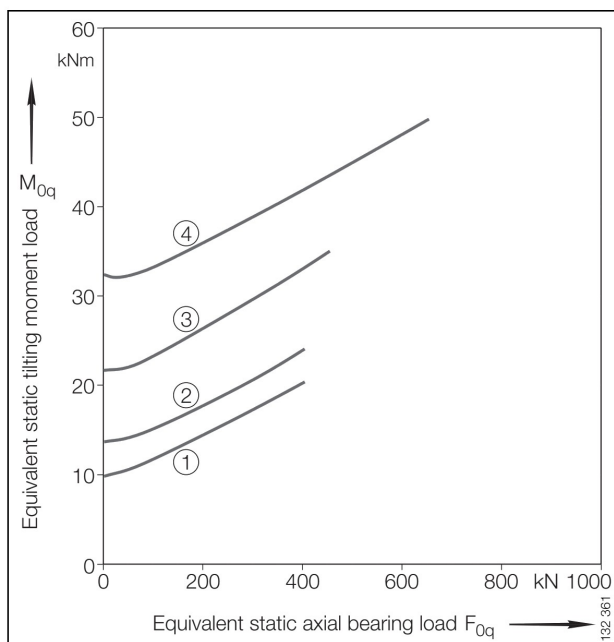
Complete Product Data

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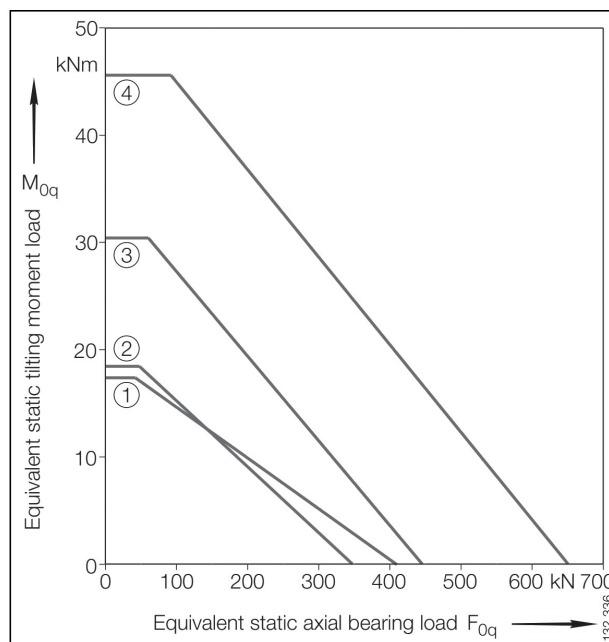
SOURCE TRACEABILITY (CONTINUED)	
PDF page	72
Printed page	70
Source language	EN-DE
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g10-curve.webp SHA-256: c06f84f6c37bea7edebe0061b06aa286a66664931e67da47ab10d65bc74cebba
Outline Drawing	ina-g10-drawing.webp SHA-256: 31aaf2770d43a1825059ca4c4cd4af6c117c25e0048688f77d24515da43dfc09

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

DAKF76LLQ4AHCYKKQ3HLJSH26A

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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/ina/va-140188-v/>

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