

Factory-Verified Replacement

MERYDOM VI 160288 N

Certified for interchange with INA VI 160288 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
VI 160288 N

REFERENCE
INA VI 160288 N

SERIES
VI Series

STRUCTURE
D rt nokta temasl bilyal

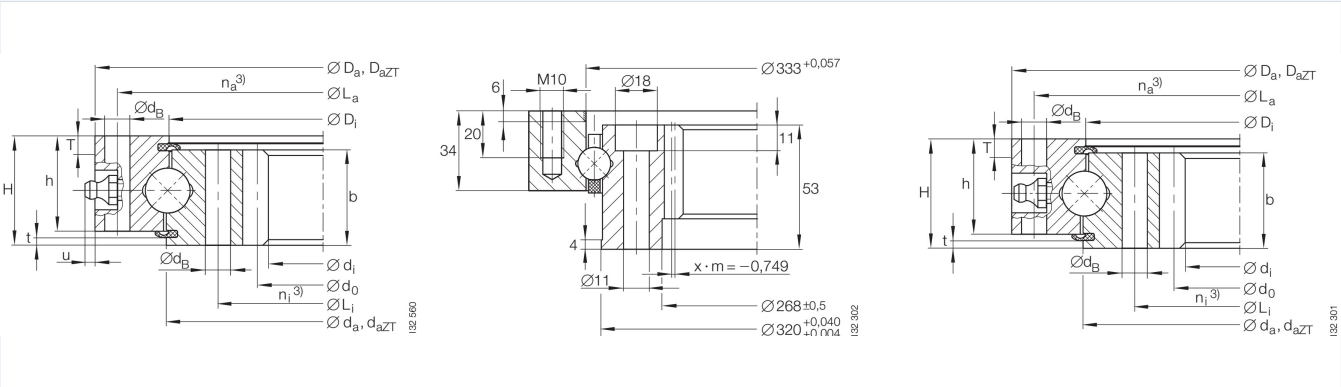
OVERALL OD
340 mm

OVERALL ID
216 mm

OVERALL HEIGHT
39 mm

GEAR
ten di li

Published Technical Drawing



ina-g11-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	VI 160288 N
Certified interchangeable with	INA VI 160288 N
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	IIRCZNERYPKFSR4A44FLV7A2M
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	VI Series
Reference model	VI 160288 N
Bearing structure	D rt nokta temasl bilyal
Gear arrangement	ten di li
DIMENSION	
Mass (Mass)	12 kg
Overall outside diameter (Da)	340 mm
Outside centring diameter (DaZT)	338 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)	
Overall inside diameter (di)	216 mm
Catalog diameter Di (Di)	287 mm
Catalog diameter da (da)	289 mm
Catalog centring diameter daZT (daZT)	287 mm
Overall height (H)	39 mm
Inner height (h)	34 mm
Outer centring length (T)	6 mm
Inner centring length (t)	2,5 mm
Maximum dimension u (u)	9,5 mm
MOUNTING	
Outer ring bolt circle (La)	324 mm
Inner ring bolt circle (Li)	252 mm
Outer ring mounting-hole count (na)	20
Inner ring mounting-hole count (ni)	20
Common mounting-hole diameter (dB)	9 mm
GEAR	
Gear pitch diameter (d0)	224 mm
Gear module (m)	4 mm
Gear tooth count (z)	56
Gear face width (b)	34 mm

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PERFORMANCE	
Maximum permissible radial load (Fr perm)	35 kN
Normal tooth force (Fznorm)	12,3 kN
Maximum tooth force (Fzmax)	17,8 kN
Basic dynamic axial load rating (Ca)	165 kN
Basic static axial load rating (C0a)	420 kN
Basic dynamic radial load rating (Cr)	108 kN
Basic static radial load rating (C0r)	190 kN
PERFORMANCE RATINGS	
Rating Radial Static	190 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	420 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	108 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	165 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	17,8 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	12,3 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	35 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	20 holes - dB 9 mm
Inner ring mounting	20 holes - dB 9 mm
GEAR INTERFACE	
Pitch system	module

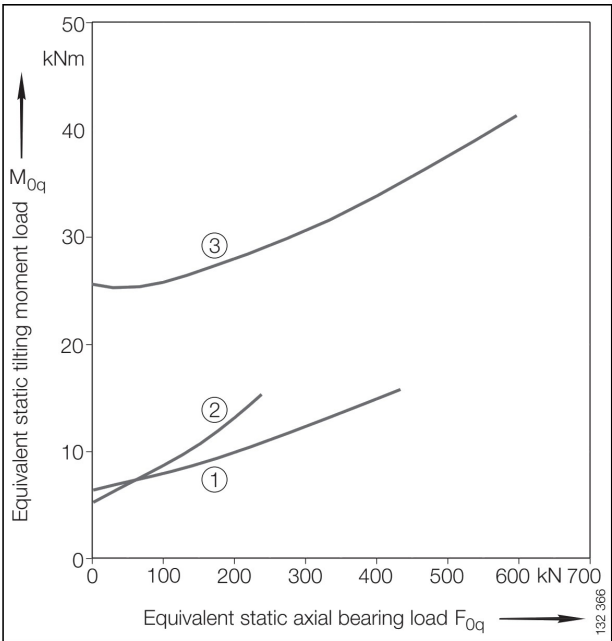
Complete Product Data

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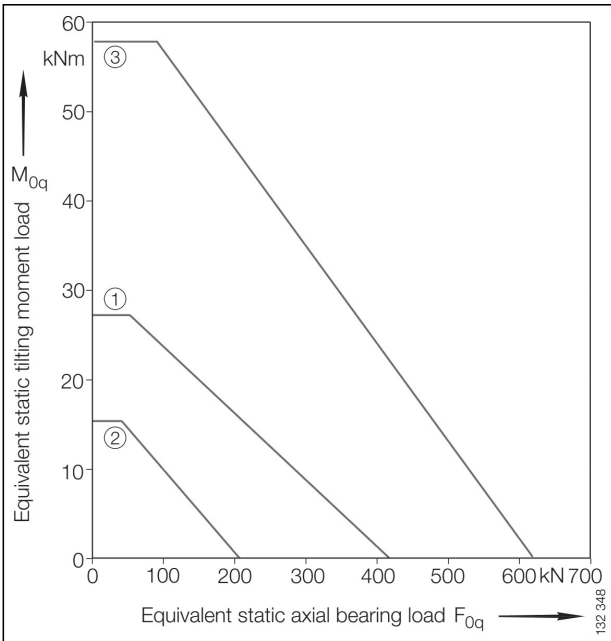
GEAR INTERFACE (CONTINUED)	
Module reference	4 mm
Number of teeth	56
SOURCE TRACEABILITY	
Source document code	INA-SLEWING-RINGS-CATALOGUE-404-2012
Source file	404_de_en_1.pdf
PDF page	74
Printed page	72
Source language	EN-DE
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g11-curve.webp SHA-256: 599623ffe9f69d5a2cfb7c658646d8f438eb592d63a330e8e44e4b53aed8cbc
Outline Drawing	ina-g11-drawing.webp SHA-256: bf65cacaec869f9fd9579b893bd90d362660d22e1c6c07017221223540d66b87

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-g11-curve.webp | SHA-256: 599623ffe9f69d5a2cfb7c658646d8f438eb592d63a330e8e44e4b53aeed8cbc

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

IIRCZNERSYPKFSR4A44FLV7A2M

SOURCE DOCUMENT

INA-SLEWING-RINGS-CATALOGUE-404-2012

SOURCE FILE

404_de_en_1.pdf

SOURCE LOCATION

PDF page 74 | Printed page 72

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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/ina/vi-160288-n/>

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