

Factory-Verified Replacement

MERYDOM VU 200220

Certified for interchange with INA VU 200220. 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

VU 200220

REFERENCE

INA VU 200220

SERIES

VU Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

302 mm

OVERALL ID

138 mm

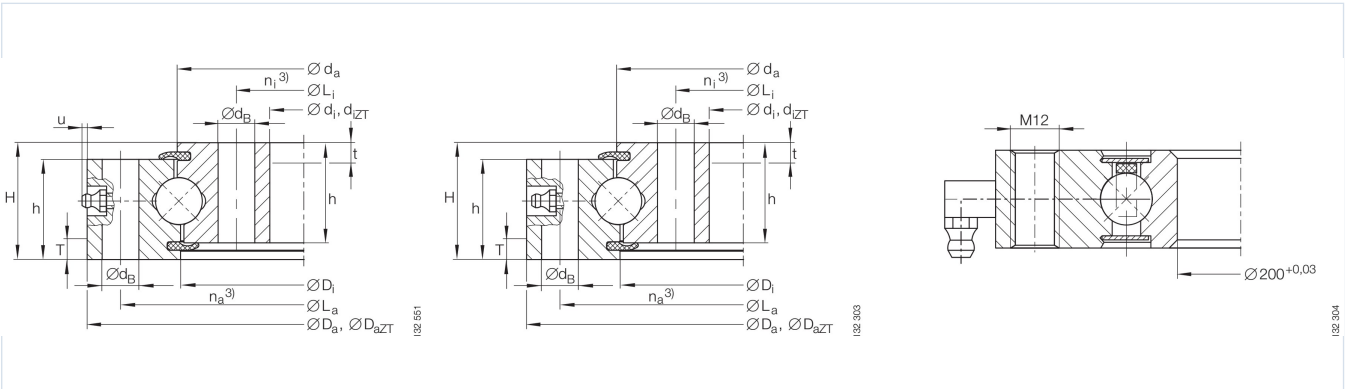
OVERALL HEIGHT

46 mm

GEAR

Sem engrenagem

Published Technical Drawing



ina-g12-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	VU 200220
Certified interchangeable with	INA VU 200220
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	LWV5REYZKVB7Q6XGO5GFNW7QO
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	VU Series
Reference model	VU 200220
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Sem engrenagem
DIMENSION	
Mass (Mass)	16 kg
Overall outside diameter (Da)	302 mm
Outside centring diameter (DaZT)	300 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)	138 mm
Inside centring diameter (diZT)	140 mm
Catalog diameter Di (Di)	219 mm
Catalog diameter da (da)	221 mm
Overall height (H)	46 mm
Inner height (h)	41 mm
Outer centring length (T)	6 mm
Inner centring length (t)	6 mm
MOUNTING	
Outer ring bolt circle (La)	270 mm
Inner ring bolt circle (Li)	170 mm
Common mounting-hole diameter (dB)	18 mm
Outer ring mounting-hole count (na)	10
Inner ring mounting-hole count (ni)	10
PERFORMANCE	
Maximum permissible radial load (Fr perm)	78 kN
Basic dynamic axial load rating (Ca)	201 kN
Basic static axial load rating (C0a)	435 kN
Basic dynamic radial load rating (Cr)	132 kN
Basic static radial load rating (C0r)	197 kN

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.

PERFORMANCE (CONTINUED)	
Radial clearance (Radial clearance)	0,05 incl. 0,2 mm
Axial tilting clearance (Axial tilting clearance)	0,08 incl. 0,33 mm
PERFORMANCE RATINGS	
Rating Radial Static	197 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	435 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	132 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	201 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	78 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	10 holes - dB 18 mm
Inner ring mounting	10 holes - dB 18 mm
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	INA-SLEWING-RINGS-CATALOGUE-404-2012
Source file	404_de_en_1.pdf
PDF page	76
Printed page	74
Source language	EN-DE
Original unit system	Metric

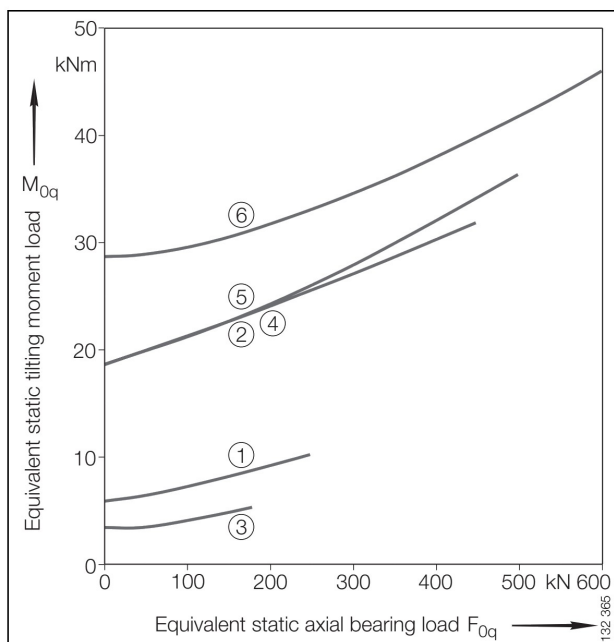
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

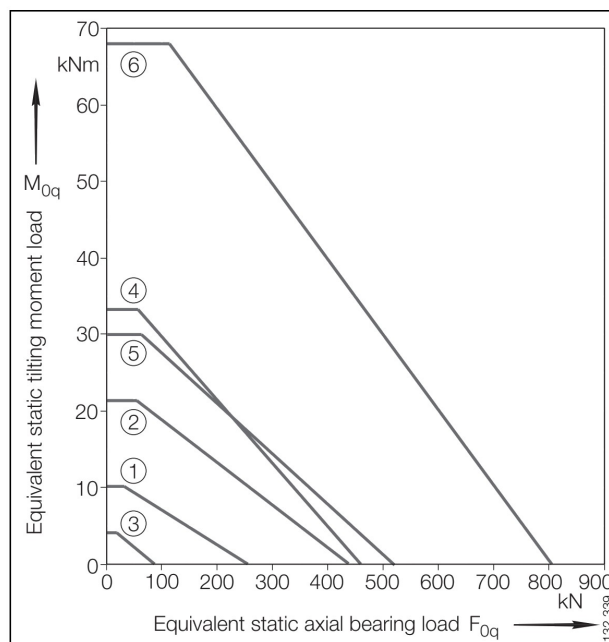
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g12-curve.webp SHA-256: 1eb83426df52b19595171e63bd9e930b800461bd5847bdab534664f92d141097
Outline Drawing	ina-g12-drawing.webp SHA-256: b2585d522c29c1b420c9edc396c1ef5e477b3c81799f68d333725df739812316

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-g12-curve.webp | SHA-256: 1eb83426df52b19595171e63bd9e930b800461bd5847bdab534664f92d141097

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**LWV5REYZKVB7Q6XGO5GFNW7QO****SOURCE DOCUMENT****INA-SLEWING-RINGS-CATALOGUE-404-2012****SOURCE FILE****404_de_en_1.pdf****SOURCE LOCATION****PDF page 76 | Printed page 74****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 17705201170Product page: <https://rotnex.com/pt/produtos/rolamentos-de-giro-de-substituicao/ina/vu-200220/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.