

Factory-Verified Replacement

MERYDOM VU 200405

Certified for interchange with INA VU 200405. 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 200405

SERIES

VU Series

OVERALL OD

474 mm

OVERALL HEIGHT

46 mm

REFERENCE

INA VU 200405

STRUCTURE

Four-point contact ball

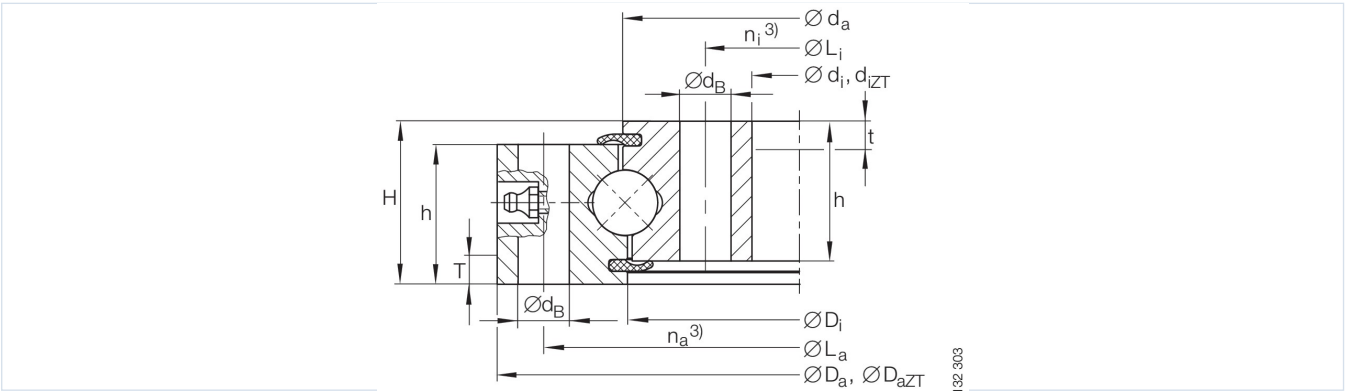
OVERALL ID

336 mm

GEAR

Ungeared

Published Technical Drawing



ina-g13-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 200405
Certified interchangeable with	INA VU 200405
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	XWNTOC2POPXWGEEVL3UPXRHF67
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 200405
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Mass (Mass)	25 kg
Overall outside diameter (Da)	474 mm
Outside centring diameter (DaZT)	472 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (di)	336 mm
Inside centring diameter (diZT)	338 mm
Catalog diameter Di (Di)	404 mm
Catalog diameter da (da)	406 mm
Overall height (H)	46 mm
Inner height (h)	41 mm
Outer centring length (T)	7 mm
Inner centring length (t)	7 mm
MOUNTING	
Outer ring bolt circle (La)	450 mm
Inner ring bolt circle (Li)	360 mm
Outer ring mounting-hole count (na)	30
Inner ring mounting-hole count (ni)	30
Common mounting-hole diameter (dB)	14 mm
PERFORMANCE	
Maximum permissible radial load (Fr perm)	123.9 kN
Basic dynamic axial load rating (Ca)	260 kN
Basic static axial load rating (C0a)	810 kN
Basic dynamic radial load rating (Cr)	169 kN
Basic static radial load rating (C0r)	360 kN

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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	360 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	810 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	169 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	260 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	123.9 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	30 holes - dB 14 mm
Inner ring mounting	30 holes - dB 14 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	78
Printed page	76
Source language	EN-DE
Original unit system	Metric

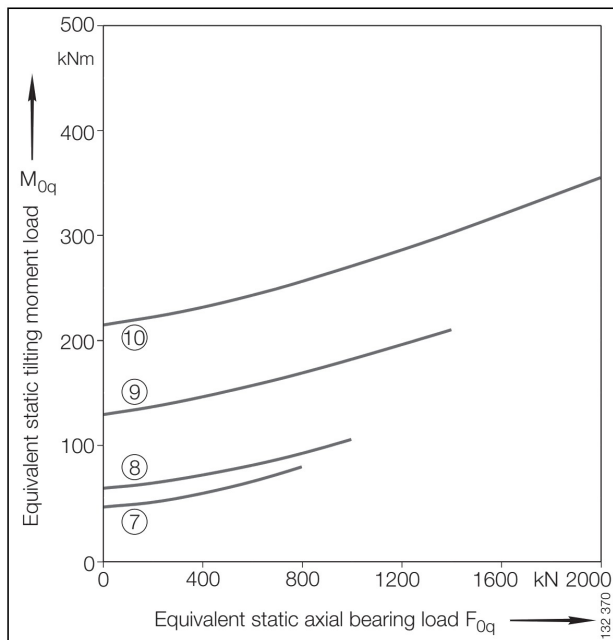
Complete Product Data

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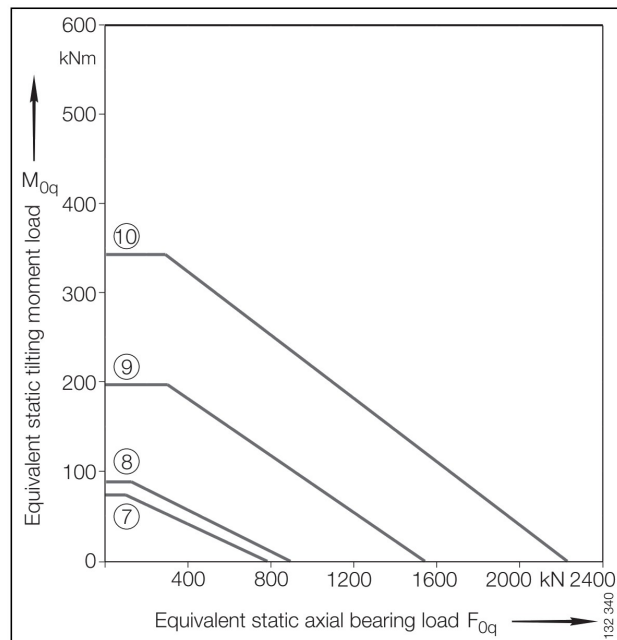
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g13-curve.webp SHA-256: c10c157dd48bc5eb37cbcacbbd95597d4dfa6224c053cada21c4291eb9ad122a
Outline Drawing	ina-g13-drawing.webp SHA-256: efee236a09246679c0dbed47b17003f106c8cf18f577c27a00b12a0e611d08ce

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-g13-curve.webp | SHA-256: c10c157dd48bc5eb37cbcacbbd95597d4dfa6224c053cada21c4291eb9ad122a

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 XWNTOC2POPXWGEEVL3UPXRHF67	SOURCE DOCUMENT INA-SLEWING-RINGS-CATALOGUE-404-2012
SOURCE FILE 404_de_en_1.pdf	SOURCE LOCATION PDF page 78 Printed page 76
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/products/slewing-bearing-replacements/ina/vu-200405/>

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