

Factory-Verified Replacement

MERYDOM VU 300574

Certified for interchange with INA VU 300574. 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 300574

REFERENCE

INA VU 300574

SERIES

VU Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

680 mm

OVERALL ID

468 mm

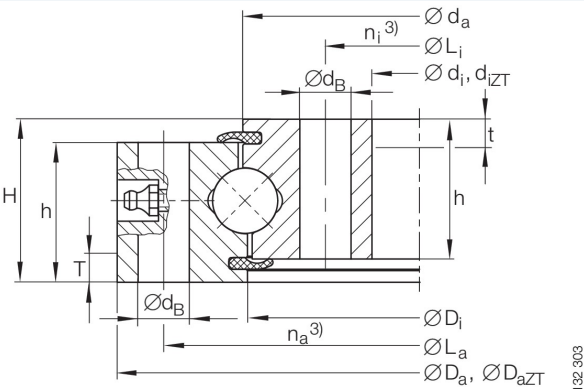
OVERALL HEIGHT

68 mm

GEAR

Senza dentatura

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 300574                              |
| Certified interchangeable with       | INA VU 300574                          |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | QEEMK3WU5FYUAAF7ZUIOLYEPQE             |
| 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 300574                              |
| Bearing structure                    | Sfere a quattro punti di contatto      |
| Gear arrangement                     | Senza dentatura                        |
| DIMENSION                            |                                        |
| Mass (Mass)                          | 82 kg                                  |
| Overall outside diameter (Da)        | 680 mm                                 |
| Outside centring diameter (DaZT)     | 678 mm                                 |

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| DIMENSION (CONTINUED)                     |          |
|-------------------------------------------|----------|
| Overall inside diameter (di)              | 468 mm   |
| Inside centring diameter (diZT)           | 470 mm   |
| Catalog diameter Di (Di)                  | 572 mm   |
| Catalog diameter da (da)                  | 576 mm   |
| Overall height (H)                        | 68 mm    |
| Inner height (h)                          | 61 mm    |
| Outer centring length (T)                 | 10 mm    |
| Inner centring length (t)                 | 10 mm    |
| MOUNTING                                  |          |
| Outer ring bolt circle (La)               | 640 mm   |
| Inner ring bolt circle (Li)               | 508 mm   |
| Outer ring mounting-hole count (na)       | 20       |
| Inner ring mounting-hole count (ni)       | 20       |
| Common mounting-hole diameter (dB)        | 22 mm    |
| PERFORMANCE                               |          |
| Maximum permissible radial load (Fr perm) | 242 kN   |
| Basic dynamic axial load rating (Ca)      | 495 kN   |
| Basic static axial load rating (C0a)      | 1.540 kN |
| Basic dynamic radial load rating (Cr)     | 325 kN   |
| Basic static radial load rating (C0r)     | 690 kN   |

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| PERFORMANCE (CONTINUED)                           |                                                               |
|---------------------------------------------------|---------------------------------------------------------------|
| Radial clearance (Radial clearance)               | 0,08 incl. 0,3 mm                                             |
| Axial tilting clearance (Axial tilting clearance) | 0,13 incl. 0,49 mm                                            |
| PERFORMANCE RATINGS                               |                                                               |
| Rating Radial Static                              | 690 kN   Not simultaneous with other listed dynamic ratings   |
| Rating Axial Static                               | 1.540 kN   Not simultaneous with other listed dynamic ratings |
| Rating Radial Dynamic                             | 325 kN   Not simultaneous with other listed dynamic ratings   |
| Rating Axial Dynamic                              | 495 kN   Not simultaneous with other listed dynamic ratings   |
| Rating Radial Load Max                            | 242 kN   Not simultaneous with other listed dynamic ratings   |
| MOUNTING INTERFACES                               |                                                               |
| Outer ring mounting                               | 20 holes - dB 22 mm                                           |
| Inner ring mounting                               | 20 holes - dB 22 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                                                        |

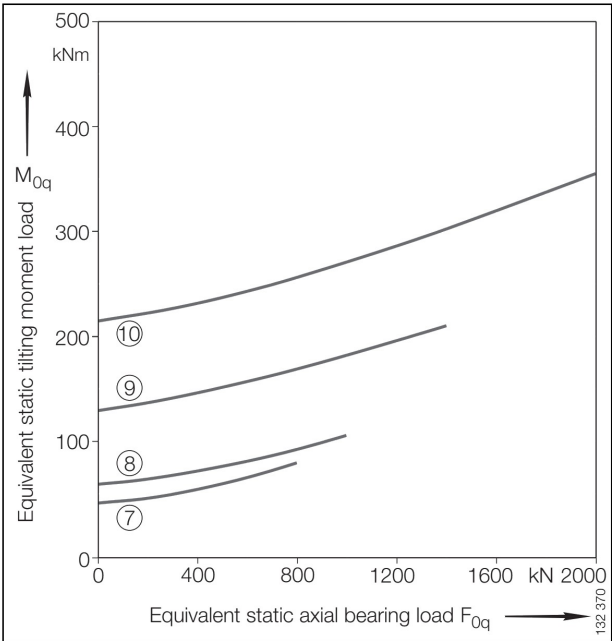
Complete Product Data

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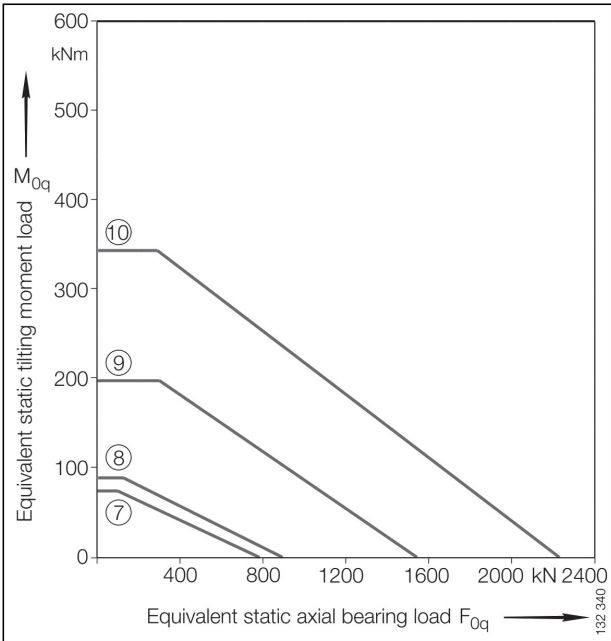
| PUBLISHED TECHNICAL MEDIA |                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------|
| Load Curve Chart          | ina-g13-curve.webp   SHA-256:<br>c10c157dd48bc5eb37cbcacbbd95597d4dfa6224c053cada21c4291eb9ad122a   |
| Outline Drawing           | ina-g13-drawing.webp   SHA-256:<br>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

QEEMK3WU5FYUAAF7ZUIOLYEPQE

### 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

Email: [jovi@merydom.com](mailto:jovi@merydom.com) | Email: [andi@merydom.com](mailto:andi@merydom.com) | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/ina/vu-300574/>

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