

Factory-Verified Replacement

MERYDOM VU 250380

Certified for interchange with INA VU 250380. 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 250380

REFERENCE

INA VU 250380

SERIES

VU Series

STRUCTURE

Four-point contact ball

OVERALL OD

485 mm

OVERALL ID

275 mm

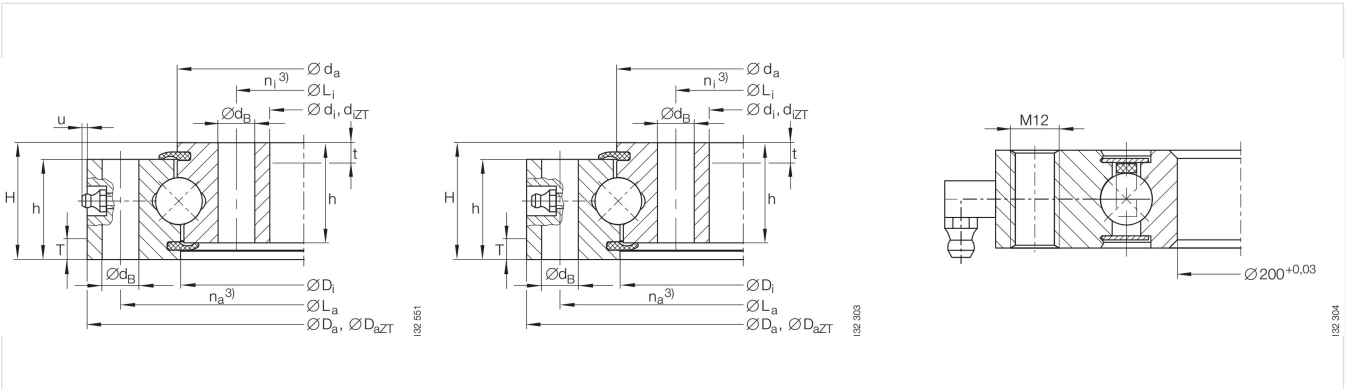
OVERALL HEIGHT

55 mm

GEAR

Ungeared

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 250380
Certified interchangeable with	INA VU 250380
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	AWGA7KJ66767X4BNVGQX4SEDA2
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 250380
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Mass (Mass)	44 kg
Overall outside diameter (Da)	485 mm
Outside centring diameter (DaZT)	483 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (di)	275 mm
Inside centring diameter (diZT)	277 mm
Catalog diameter Di (Di)	379 mm
Catalog diameter da (da)	381 mm
Overall height (H)	55 mm
Inner height (h)	50 mm
Outer centring length (T)	8 mm
Inner centring length (t)	8 mm
MOUNTING	
Outer ring bolt circle (La)	453 mm
Inner ring bolt circle (Li)	307 mm
Common mounting-hole diameter (dB)	18 mm
Outer ring mounting-hole count (na)	16
Inner ring mounting-hole count (ni)	16
PERFORMANCE	
Maximum permissible radial load (Fr perm)	124.8 kN
Basic dynamic axial load rating (Ca)	350 kN
Basic static axial load rating (C0a)	800 kN
Basic dynamic radial load rating (Cr)	230 kN
Basic static radial load rating (C0r)	360 kN

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PERFORMANCE (CONTINUED)	
Radial clearance (Radial clearance)	0,06 incl. 0,25 mm
Axial tilting clearance (Axial tilting clearance)	0,11 incl. 0,41 mm
PERFORMANCE RATINGS	
Rating Radial Static	360 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	800 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	230 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	350 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	124.8 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	16 holes - dB 18 mm
Inner ring mounting	16 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

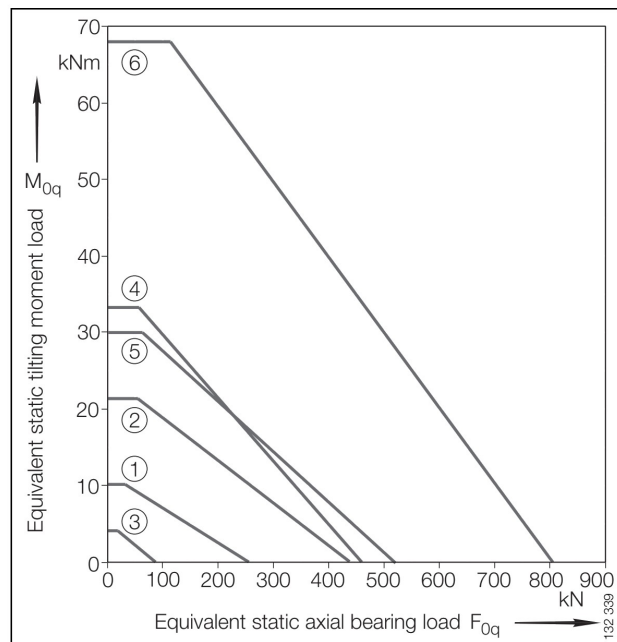
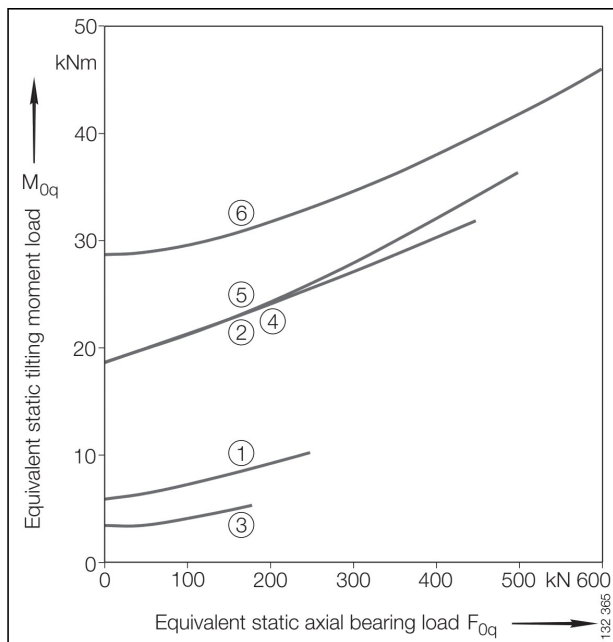
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PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g12-curve.webp SHA-256: 1eb83426df52b19595171e63bd9e930b800461bd5847bdab534664f92d141097
Outline Drawing	ina-g12-drawing.webp SHA-256: b2585d522c29c1b420c9edc396c1ef5e477b3c81799f68d333725df739812316

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.



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 AWGA7KJ66767X4BNVGQX4SEDA2	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 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/ina/vu-250380/>

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