

Factory-Verified Replacement

MERYDOM VU 140179

Certified for interchange with INA VU 140179. 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 140179

REFERENCE

INA VU 140179

SERIES

VU Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

234 mm

OVERALL ID

124.5 mm

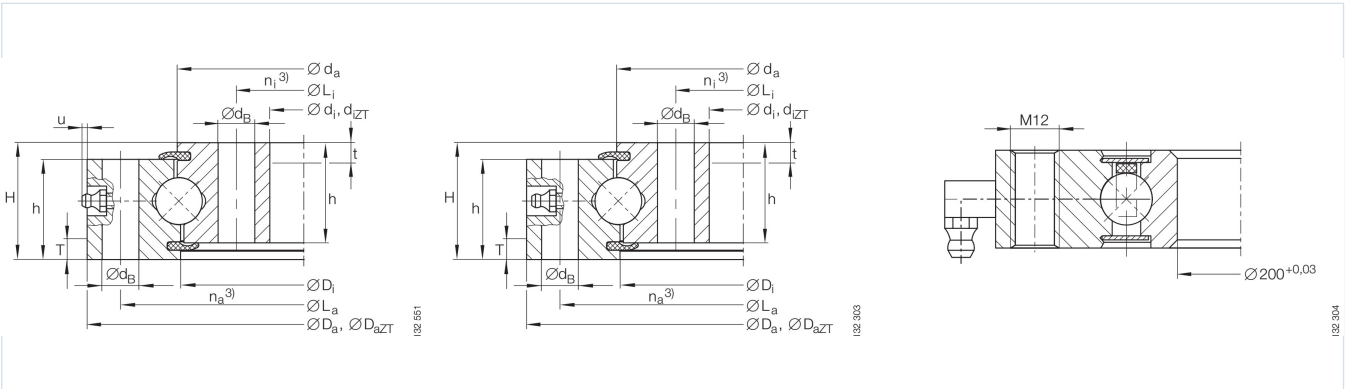
OVERALL HEIGHT

35 mm

GEAR

Senza dentatura

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 140179
Certified interchangeable with	INA VU 140179
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	VWF2LIKCY7Q42VZXADNSR3HPCZ
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 140179
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Senza dentatura
DIMENSION	
Mass (Mass)	7 kg
Overall outside diameter (Da)	234 mm
Outside centring diameter (DaZT)	232 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)	124,5 mm
Inside centring diameter (diZT)	126,5 mm
Catalog diameter Di (Di)	178 mm
Catalog diameter da (da)	180 mm
Overall height (H)	35 mm
Inner height (h)	30 mm
Outer centring length (T)	5 mm
Inner centring length (t)	5 mm
Maximum dimension u (u)	3 mm
MOUNTING	
Outer ring bolt circle (La)	214 mm
Inner ring bolt circle (Li)	144,5 mm
Common mounting-hole diameter (dB)	11 mm
Outer ring mounting-hole count (na)	12
Inner ring mounting-hole count (ni)	12
PERFORMANCE	
Maximum permissible radial load (Fr perm)	33,6 kN
Basic dynamic axial load rating (Ca)	115 kN
Basic static axial load rating (C0a)	255 kN
Basic dynamic radial load rating (Cr)	75 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Basic static radial load rating (C _{0r})	114 kN
Radial clearance (Radial clearance)	0,04 incl. 0,14 mm
Axial tilting clearance (Axial tilting clearance)	0,07 incl. 0,23 mm
PERFORMANCE RATINGS	
Rating Radial Static	114 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	255 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	75 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	115 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	33,6 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	12 holes - dB 11 mm
Inner ring mounting	12 holes - dB 11 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

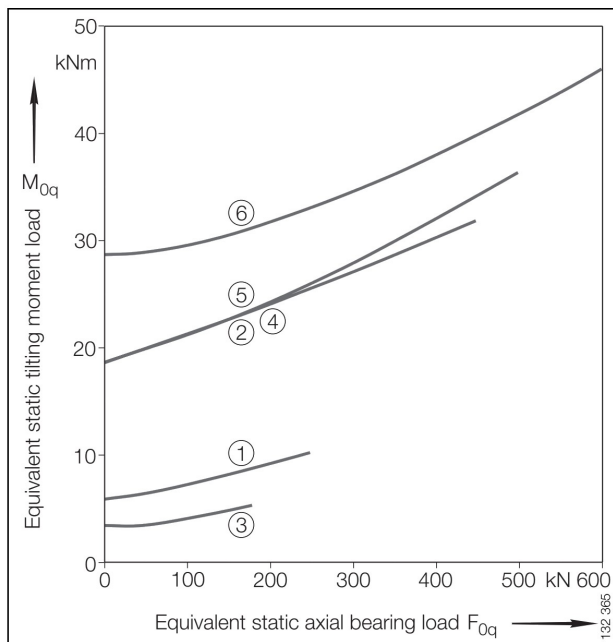
Complete Product Data

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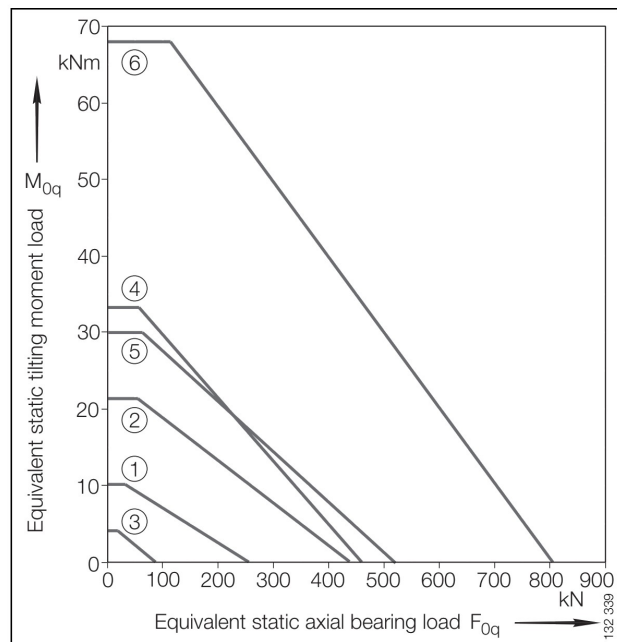
SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g12-curve.webp SHA-256: 1eb83426df52b19595171e63bd9e930b800461bd5847bdab534664f92d141097
Outline Drawing	ina-g12-drawing.webp SHA-256: b2585d522c29c1b420c9edc396c1ef5e477b3c81799f68d333725df739812316

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**VWF2LIKCY7Q42VZXADNSR3HPCZ****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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/ina/vu-140179/>

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