

Factory-Verified Replacement

MERYDOM VSU 251055

Certified for interchange with INA VSU 251055. 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

VSU 251055

REFERENCE

INA VSU 251055

SERIES

VSU 25 Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

1,155 mm

OVERALL ID

955 mm

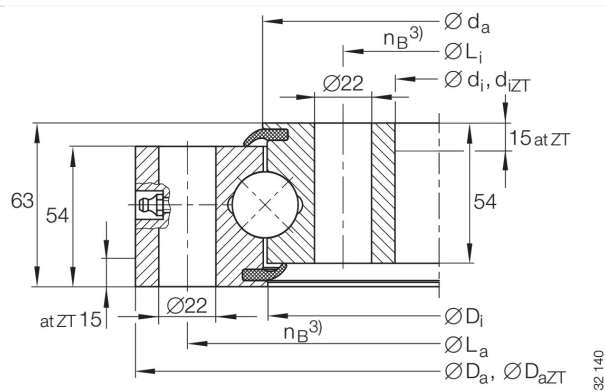
OVERALL HEIGHT

mm

GEAR

Senza dentatura

Published Technical Drawing



ina-g09-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	VSU 251055
Certified interchangeable with	INA VSU 251055
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	P3GZPF7XGQKFNXRGIVGBHOJ2LY
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	VSU 25 Series
Reference model	VSU 251055
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Senza dentatura
DIMENSION	
Mass (Mass)	128 kg
Overall outside diameter (Da)	1.155 mm
Outside centring diameter (DaZT)	1.153 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)	
Catalog diameter Di (Di)	1.053 mm
Catalog diameter da (da)	1.057 mm
Overall inside diameter (di)	955 mm
Inside centring diameter (diZT)	957 mm
MOUNTING	
Outer ring bolt circle (La)	1.115 mm
Inner ring bolt circle (Li)	995 mm
Common mounting-hole count (nB)	30
PERFORMANCE	
Maximum permissible radial load (Fr perm)	363,3 kN
Basic dynamic axial load rating (Ca)	520 kN
Basic static axial load rating (C0a)	3.150 kN
Basic dynamic radial load rating (Cr)	340 kN
Basic static radial load rating (C0r)	1.410 kN
Radial clearance (Radial clearance)	0,03 incl. 0,13 mm
Axial tilting clearance (Axial tilting clearance)	0,05 incl. 0,24 mm
PERFORMANCE RATINGS	
Rating Radial Static	1.410 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	3.150 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	340 kN Not simultaneous with other listed dynamic ratings

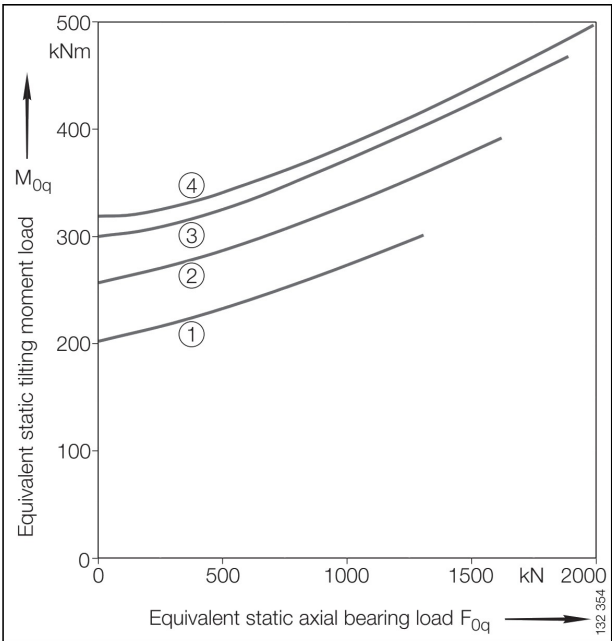
Complete Product Data

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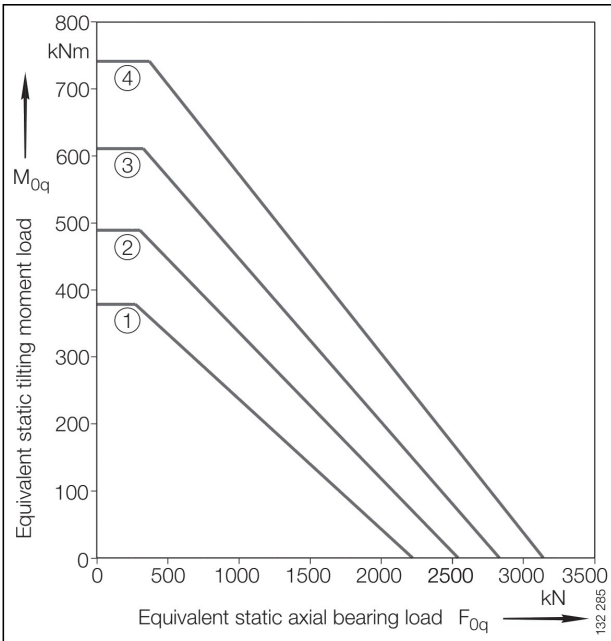
PERFORMANCE RATINGS (CONTINUED)	
Rating Axial Dynamic	520 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	363,3 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	30 holes - See source drawing
Inner ring mounting	30 holes - See source drawing
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	70
Printed page	68
Source language	EN-DE
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g09-curve.webp SHA-256: 28e671cd49b81a18c7d3ea5b26ebde06b0ab2b0eb687d72a13ccd54f7b ac79c2
Outline Drawing	ina-g09-drawing.webp SHA-256: 8258cb7d7c8ac7d472e3d0fce9ce329986fc2aad585596aaf0d1bb8b88 a3e01d

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-g09-curve.webp | SHA-256: 28e671cd49b81a18c7d3ea5b26ebde06b0ab2b0eb687d72a13ccd54f7bac79c2

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**P3GZPF7XGQKFNXRGIVGBHOJ2LY****SOURCE DOCUMENT****INA-SLEWING-RINGS-CATALOGUE-404-2012****SOURCE FILE****404_de_en_1.pdf****SOURCE LOCATION****PDF page 70 | Printed page 68****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/vsu-251055/>

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