

Factory-Verified Replacement

MERYDOM VSA 250955 N

Certified for interchange with INA VSA 250955 N. 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

VSA 250955 N

REFERENCE

INA VSA 250955 N

SERIES

VSA 25 Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

1,096 mm

OVERALL ID

855 mm

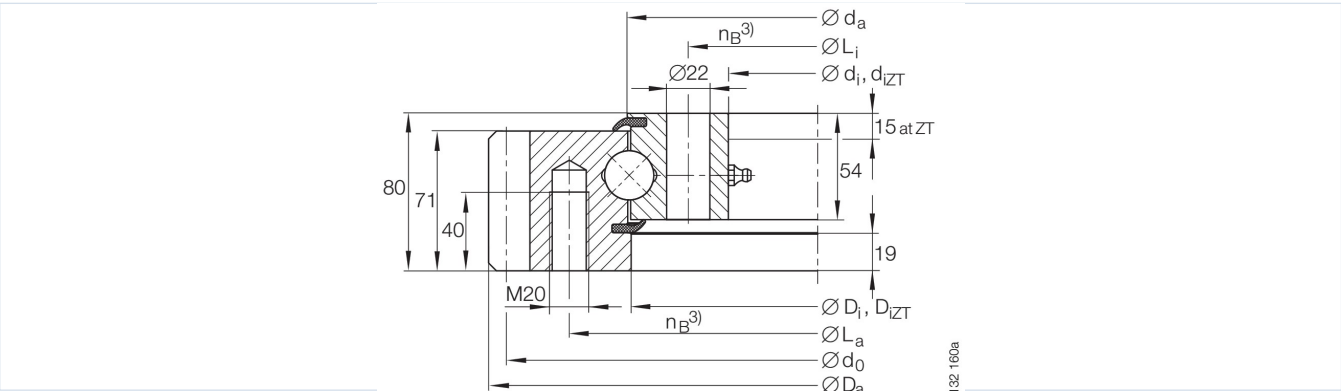
OVERALL HEIGHT

mm

GEAR

Engrenagem externa

Published Technical Drawing



ina-g07-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	VSA 250955 N
Certified interchangeable with	INA VSA 250955 N
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	YACUOY2QJ7D2HUAMQ4A2PA4XUA
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	VSA 25 Series
Reference model	VSA 250955 N
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem externa
DIMENSION	
Mass (Mass)	155 kg
Overall outside diameter (Da)	1.096 mm
Overall inside diameter (di)	855 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)	
Inside centring diameter (diZT)	857 mm
Catalog diameter Di (Di)	953 mm
Catalog centring diameter DiZT (DiZT)	955 mm
Catalog diameter da (da)	957 mm
MOUNTING	
Outer ring bolt circle (La)	1.016 mm
Inner ring bolt circle (Li)	895 mm
Common mounting-hole count (nB)	30
GEAR	
Gear pitch diameter (d0)	1.080 mm
Gear module (m)	9 mm
Gear tooth count (z)	120
PERFORMANCE	
Maximum permissible radial load (Fr perm)	363 kN
Normal tooth force (Fznorm)	55,1 kN
Maximum tooth force (Fzmax)	80,2 kN
Basic dynamic axial load rating (Ca)	500 kN
Basic static axial load rating (C0a)	2.850 kN
Basic dynamic radial load rating (Cr)	330 kN
Basic static radial load rating (C0r)	1.280 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
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	1.280 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	2.850 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	330 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	500 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	80,2 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	55,1 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	363 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	
Pitch system	module
Module reference	9 mm
Number of teeth	120
SOURCE TRACEABILITY	
Source document code	INA-SLEWING-RINGS-CATALOGUE-404-2012
Source file	404_de_en_1.pdf

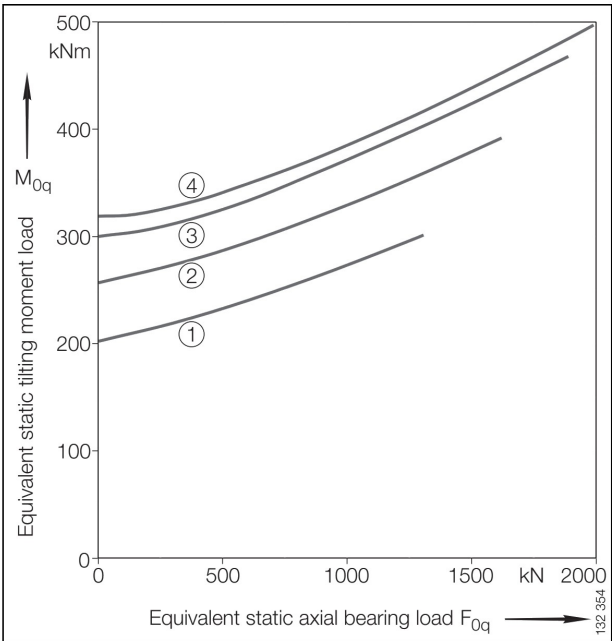
Complete Product Data

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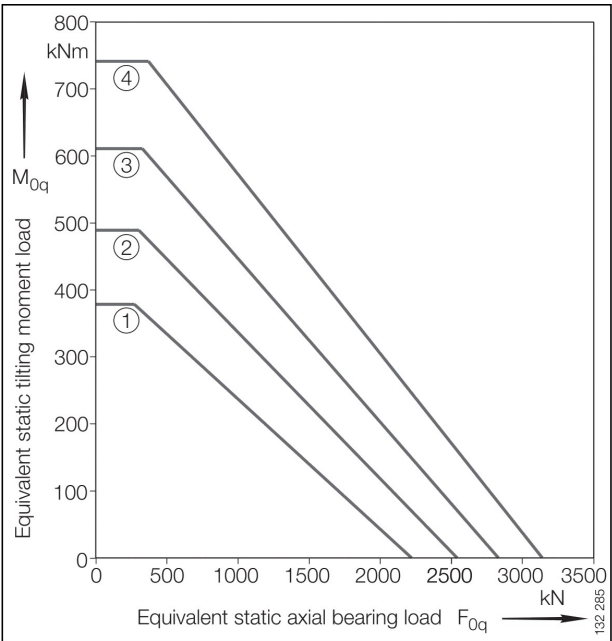
SOURCE TRACEABILITY (CONTINUED)	
PDF page	66
Printed page	64
Source language	EN-DE
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g07-curve.webp SHA-256: 28e671cd49b81a18c7d3ea5b26ebde06b0ab2b0eb687d72a13ccd54f7b ac79c2
Outline Drawing	ina-g07-drawing.webp SHA-256: 25af4a3506a617926cab52f52f4926d1a0dda691f6d4220264c56e900 b1feca

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-g07-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**YACUOY2QJ7D2HUAMQ4A2PA4XUA****SOURCE DOCUMENT****INA-SLEWING-RINGS-CATALOGUE-404-2012****SOURCE FILE****404_de_en_1.pdf****SOURCE LOCATION****PDF page 66 | Printed page 64****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/pt/produtos/rolamentos-de-giro-de-substituicao/ina/vsa-250955-n/>

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