

MERYDOM VLU 200644

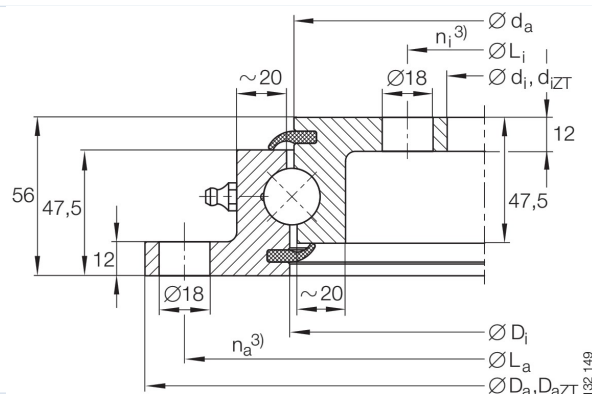
Certified for interchange with INA VLU 200644. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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	REFERENCE
VLU 200644	INA VLU 200644
SERIES	STRUCTURE
VLU 20 Series	Esferas de contato de quatro pontos
OVERALL OD	OVERALL ID
748 mm	534 mm
OVERALL HEIGHT	GEAR
mm	Sem engrenagem

Published Technical Drawing



ina-g03-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	VLU 200644
Certified interchangeable with	INA VLU 200644
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	ZCZNN04ESJZDJHI4GMXEEH76VU
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	VLU 20 Series
Reference model	VLU 200644
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Sem engrenagem
DIMENSION	
Mass (Mass)	36,5 kg
Overall outside diameter (Da)	748-0,6 mm
Outside centring diameter (DaZT)	746 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)	534+0,6 mm
Inside centring diameter (diZT)	536 mm
Catalog diameter Di (Di)	645,5+0,6 mm
Catalog diameter da (da)	642,5-0,6 mm
MOUNTING	
Outer ring bolt circle (La)	720 mm
Outer ring mounting-hole count (na)	12
Inner ring bolt circle (Li)	562 mm
Inner ring mounting-hole count (ni)	16
PERFORMANCE	
Maximum permissible radial load (Fr perm)	85,5 kN
Basic dynamic axial load rating (Ca)	200 kN
Basic static axial load rating (C0a)	455 kN
Basic dynamic radial load rating (Cr)	131 kN
Basic static radial load rating (C0r)	171 kN
PERFORMANCE RATINGS	
Rating Radial Static	171 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	455 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	131 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	200 kN Not simultaneous with other listed dynamic ratings

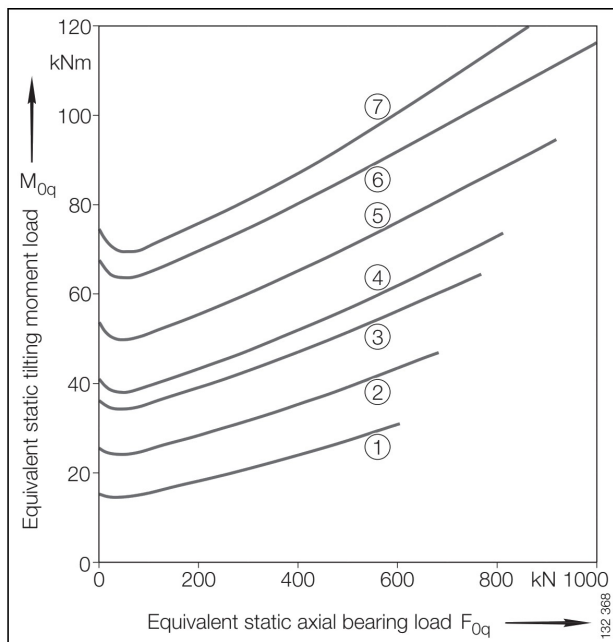
Complete Product Data

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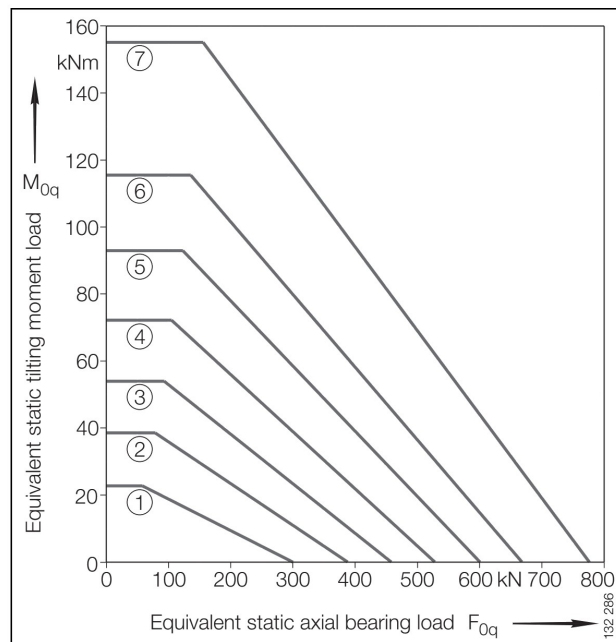
PERFORMANCE RATINGS (CONTINUED)	
Rating Radial Load Max	85,5 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	12 holes - See source drawing
Inner ring mounting	16 holes - See source drawing
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	INA-SLEWING-RINGS-CATALOGUE-404-2012
Source file	404_de_en_1.pdf
PDF page	58
Printed page	56
Source language	EN-DE
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g03-curve.webp SHA-256: cff27b58b12704b80d7150774a8956a40efcfc41ebf59baad3d0fc43f9b9df18
Outline Drawing	ina-g03-drawing.webp SHA-256: 2238543c6b966c164acacdd601e31d0ee488b3c761dcb50f7c7171ebb093bd44

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-g03-curve.webp | SHA-256: cff27b58b12704b80d7150774a8956a40efcfc41ebf59baad3d0fc43f9b9df18

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**ZCZNN04ESJZDJHI4GMXEEH76VU****SOURCE DOCUMENT****INA-SLEWING-RINGS-CATALOGUE-404-2012****SOURCE FILE****404_de_en_1.pdf****SOURCE LOCATION****PDF page 58 | Printed page 56****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/vlu-200644/>

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