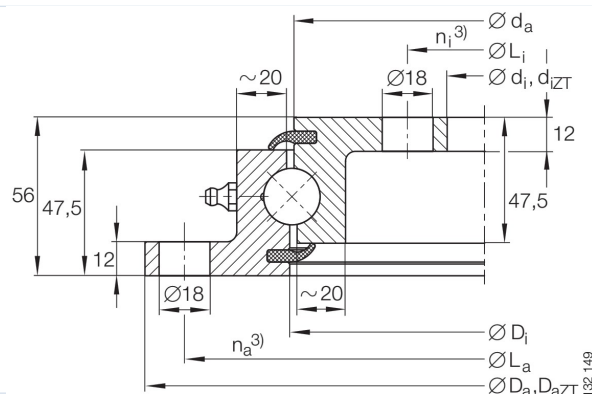


MERYDOM VLU 200544

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

Ung geared

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 200544
Certified interchangeable with	INA VLU 200544
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	IZN7ZP2653SY4IYRV6V7KRULQY
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 200544
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Mass (Mass)	31 kg
Overall outside diameter (Da)	648-0,5 mm
Outside centring diameter (DaZT)	646 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)	434+0,5 mm
Inside centring diameter (diZT)	436 mm
Catalog diameter Di (Di)	545,5+0,5 mm
Catalog diameter da (da)	542,5-0,5 mm
MOUNTING	
Outer ring bolt circle (La)	620 mm
Outer ring mounting-hole count (na)	10
Inner ring bolt circle (Li)	462 mm
Inner ring mounting-hole count (ni)	14
PERFORMANCE	
Maximum permissible radial load (Fr perm)	72.5 kN
Basic dynamic axial load rating (Ca)	188 kN
Basic static axial load rating (C0a)	385 kN
Basic dynamic radial load rating (Cr)	123 kN
Basic static radial load rating (C0r)	145 kN
PERFORMANCE RATINGS	
Rating Radial Static	145 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	385 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	123 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	188 kN Not simultaneous with other listed dynamic ratings

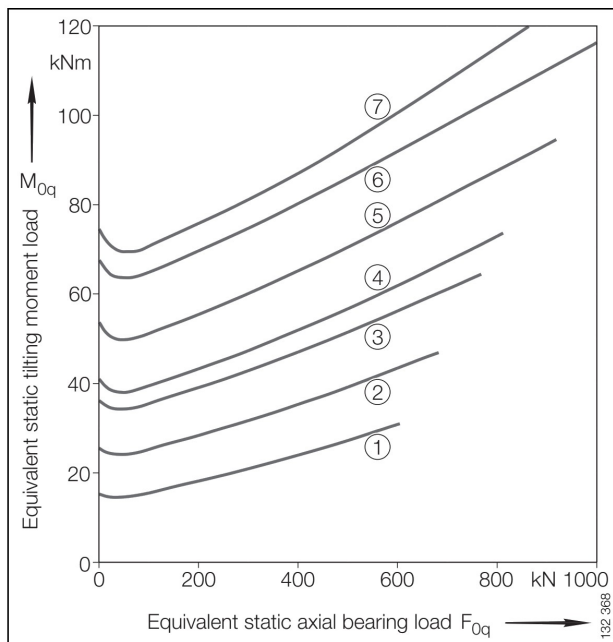
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

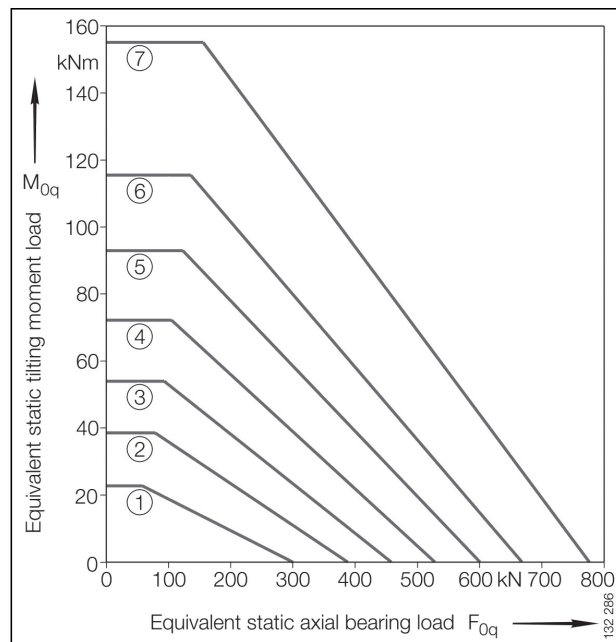
PERFORMANCE RATINGS (CONTINUED)	
Rating Radial Load Max	72.5 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	10 holes - See source drawing
Inner ring mounting	14 holes - See source drawing
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE 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

IZN7ZP2653SY4IYRV6V7KRULQY

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 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/ina/vlu-200544/>

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