

Factory-Verified Replacement

MERYDOM VLI 201094 N

Certified for interchange with INA VLI 201094 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

VLI 201094 N

SERIES

VLI 20 Series

OVERALL OD

1,198 mm

OVERALL HEIGHT

mm

REFERENCE

INA VLI 201094 N

STRUCTURE

Four-point contact ball

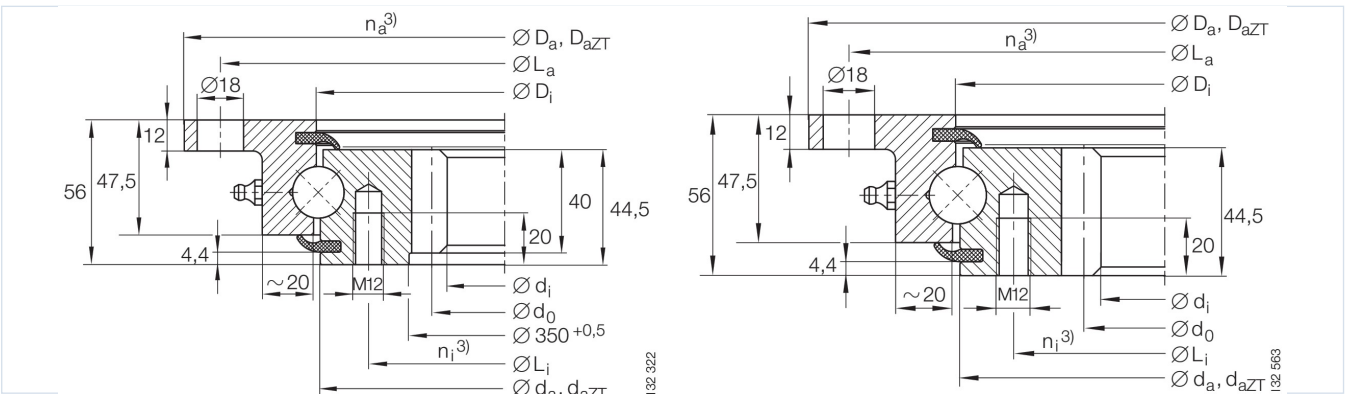
OVERALL ID

984 mm

GEAR

Internal gear

Published Technical Drawing



ina-g02-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	VLI 201094 N
Certified interchangeable with	INA VLI 201094 N
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	WSHHOKEHY3C6PGCPZY67OQVE57
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	VLI 20 Series
Reference model	VLI 201094 N
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (Mass)	81.5 kg
Overall outside diameter (Da)	1198-0,7 mm
Outside centring diameter (DaZT)	1,196 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (di)	984 mm
Catalog diameter Di (Di)	1095,5+0,7 mm
Catalog diameter da (da)	1092,5-0,7 1 mm
Catalog centring diameter daZT (daZT)	91 mm
MOUNTING	
Outer ring bolt circle (La)	1,170 mm
Outer ring mounting-hole count (na)	16
Inner ring bolt circle (Li)	1,055 mm
Inner ring mounting-hole count (ni)	24
GEAR	
Gear pitch diameter (d0)	1,000 mm
Gear module (m)	8 mm
Gear tooth count (z)	125
PERFORMANCE	
Maximum permissible radial load (Fr perm)	99.1 kN
Normal tooth force (Fznorm)	31.4 kN
Maximum tooth force (Fzmax)	46.7 kN
Basic dynamic axial load rating (Ca)	244 kN
Basic static axial load rating (C0a)	770 kN
Basic dynamic radial load rating (Cr)	160 kN

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PERFORMANCE (CONTINUED)	
Basic static radial load rating (C _{0r})	290 kN
PERFORMANCE RATINGS	
Rating Radial Static	290 kN Not simultaneous with other listed dynamic ratings
Rating Axial Static	770 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	160 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	244 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	46.7 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	31.4 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	99.1 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	16 holes - See source drawing
Inner ring mounting	24 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	125
SOURCE TRACEABILITY	
Source document code	INA-SLEWING-RINGS-CATALOGUE-404-2012
Source file	404_de_en_1.pdf
PDF page	56

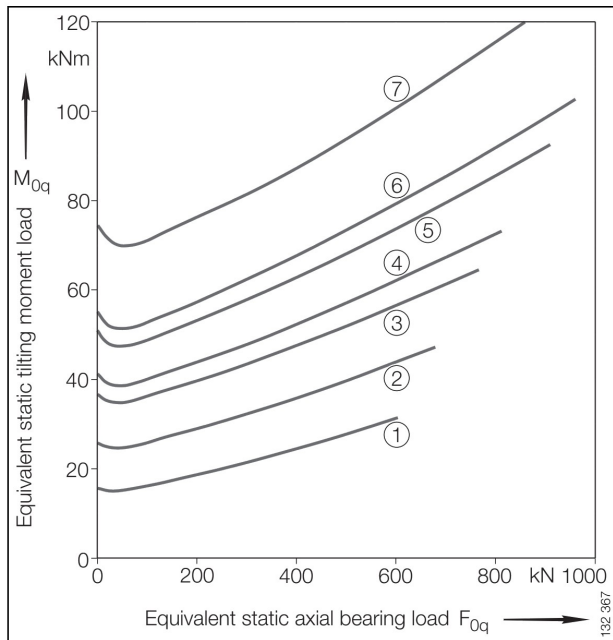
Complete Product Data

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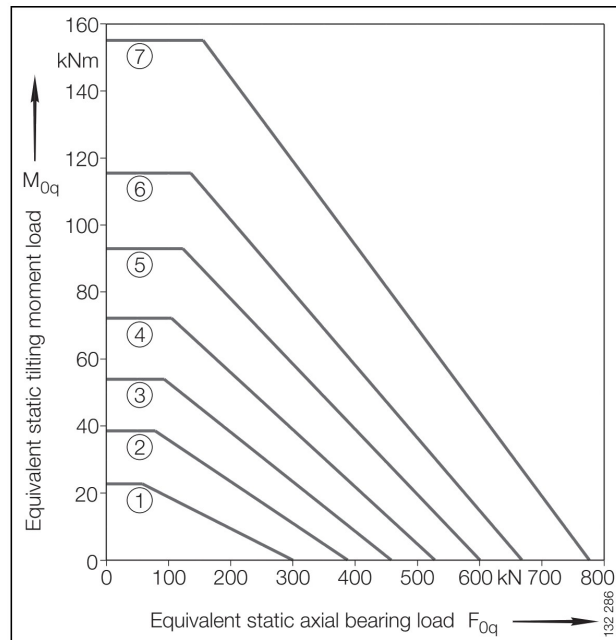
SOURCE TRACEABILITY (CONTINUED)	
Printed page	54
Source language	EN-DE
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g02-curve.webp SHA-256: 67b1110bb78cbb8ad73ff038dd22c2e522e8f81299dd1fd561b69d622dc87819
Outline Drawing	ina-g02-drawing.webp SHA-256: bc168375639e36d3e8c04c1abd5d716b56de2ddddf269d674cd7d75bed7b8b1b

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-g02-curve.webp | SHA-256: 67b1110bb78cbb8ad73ff038dd22c2e522e8f81299dd1fd561b69d622dc87819

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

WSHHOKEHY3C6PGCPZY67OQVE57

SOURCE DOCUMENT

INA-SLEWING-RINGS-CATALOGUE-404-2012

SOURCE FILE

404_de_en_1.pdf

SOURCE LOCATION

PDF page 56 | Printed page 54

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/vli-201094-n/>

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