

## Factory-Verified Replacement

# MERYDOM VSA 201094 N

Certified for interchange with INA VSA 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

VSA 201094 N

## SERIES

## VSA 20 Series

## OVERALL OD

**1,198.1 mm**

## OVERALL HEIGHT

mm

## REFERENCE

**INA VSA 201094 N**

## STRUCTURE

**D irt nokta teması bilyal**

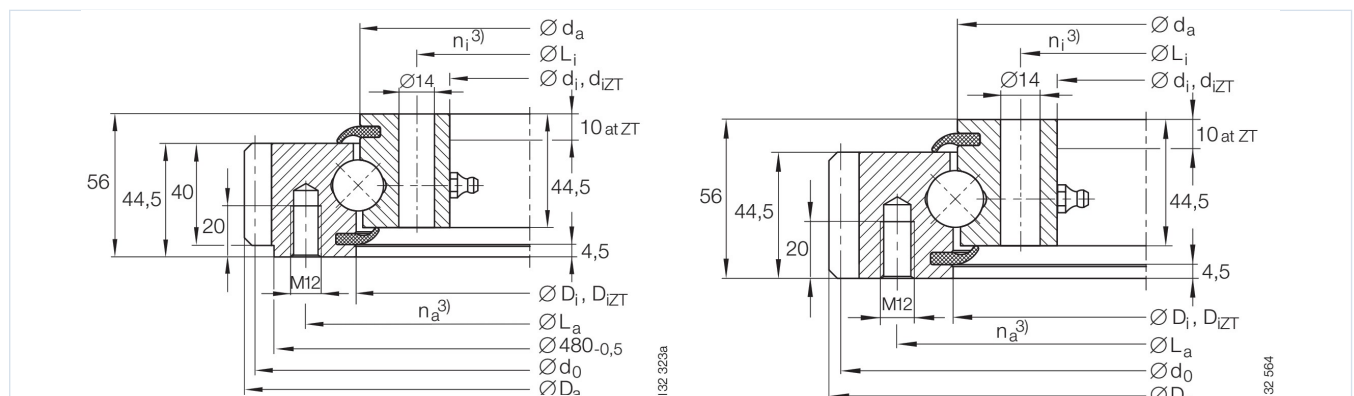
## OVERALL ID

1,022 mm

## GEAR

**D    tan di li**

## Published Technical Drawing



ina-g04-drawing.webp

32 564

## 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 201094 N                           |
| Certified interchangeable with       | INA VSA 201094 N                       |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | 6PSMZTLFO27ULL4I7YOHSLXIV4             |
| 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 20 Series                          |
| Reference model                      | VSA 201094 N                           |
| Bearing structure                    | D rt nokta temasl bilyal               |
| Gear arrangement                     | D tan di li                            |
| DIMENSION                            |                                        |
| Mass (Mass)                          | 91 kg                                  |
| Overall outside diameter (Da)        | 1 198,1 mm                             |
| Overall inside diameter (di)         | 1022+0,7 mm                            |

## Complete Product Data

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| DIMENSION (CONTINUED)                     |               |
|-------------------------------------------|---------------|
| Inside centring diameter (diZT)           | 1 024 mm      |
| Catalog diameter Di (Di)                  | 1095,5+0,7 mm |
| Catalog centring diameter DiZT (DiZT)     | 1 097 mm      |
| Catalog diameter da (da)                  | 1092,5-0,7 mm |
| MOUNTING                                  |               |
| Outer ring bolt circle (La)               | 1 135 mm      |
| Outer ring mounting-hole count (na)       | 44            |
| Inner ring bolt circle (Li)               | 1 048 mm      |
| Inner ring mounting-hole count (ni)       | 48            |
| GEAR                                      |               |
| Gear pitch diameter (d0)                  | 1 184 mm      |
| Gear module (m)                           | 8 mm          |
| Gear tooth count (z)                      | 148           |
| PERFORMANCE                               |               |
| Maximum permissible radial load (Fr perm) | 181,7 kN      |
| Normal tooth force (Fznorm)               | 28,3 kN       |
| Maximum tooth force (Fzmax)               | 42 kN         |
| Basic dynamic axial load rating (Ca)      | 244 kN        |
| Basic static axial load rating (C0a)      | 1 490 kN      |
| Basic dynamic radial load rating (Cr)     | 160 kN        |

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| PERFORMANCE (CONTINUED)                            |                                                               |
|----------------------------------------------------|---------------------------------------------------------------|
| Basic static radial load rating (C <sub>0r</sub> ) | 660 kN                                                        |
| PERFORMANCE RATINGS                                |                                                               |
| Rating Radial Static                               | 660 kN   Not simultaneous with other listed dynamic ratings   |
| Rating Axial Static                                | 1 490 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                             | 42 kN   Not simultaneous with other listed dynamic ratings    |
| Rating Tooth Force Normal                          | 28,3 kN   Not simultaneous with other listed dynamic ratings  |
| Rating Radial Load Max                             | 181,7 kN   Not simultaneous with other listed dynamic ratings |
| MOUNTING INTERFACES                                |                                                               |
| Outer ring mounting                                | 44 holes - See source drawing                                 |
| Inner ring mounting                                | 48 holes - See source drawing                                 |
| GEAR INTERFACE                                     |                                                               |
| Pitch system                                       | module                                                        |
| Module reference                                   | 8 mm                                                          |
| Number of teeth                                    | 148                                                           |
| SOURCE TRACEABILITY                                |                                                               |
| Source document code                               | INA-SLEWING-RINGS-CATALOGUE-404-2012                          |
| Source file                                        | 404_de_en_1.pdf                                               |
| PDF page                                           | 60                                                            |

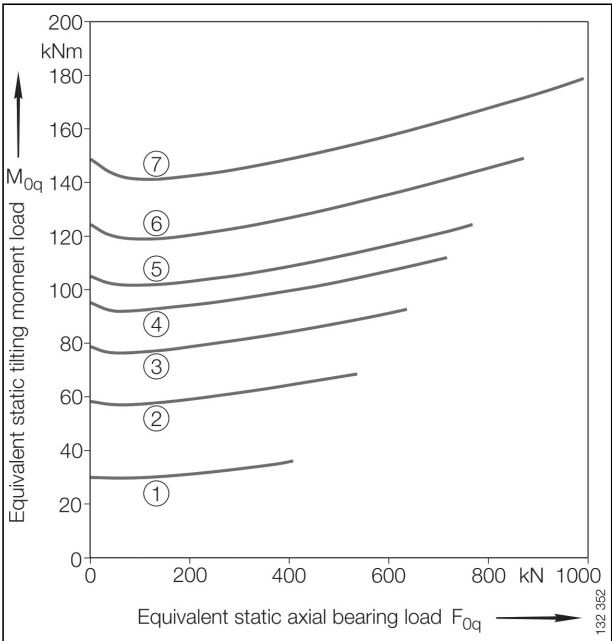
Complete Product Data

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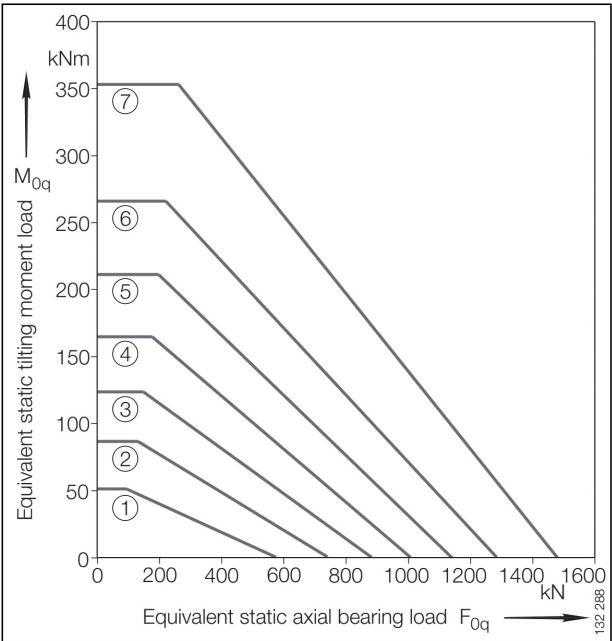
| SOURCE TRACEABILITY (CONTINUED) |                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------|
| Printed page                    | 58                                                                                                  |
| Source language                 | EN-DE                                                                                               |
| Original unit system            | Metric                                                                                              |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                     |
| Load Curve Chart                | ina-g04-curve.webp   SHA-256:<br>bc90ef6b06bd5b88e28acf15d86874931dcf598e3a9f103ae06adc5032440b56   |
| Outline Drawing                 | ina-g04-drawing.webp   SHA-256:<br>a5869bfa877f8eacaa47abdb5a51f27f3f77bd3957cc427d2ebd639d378a5a2b |

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-g04-curve.webp | SHA-256: bc90ef6b06bd5b88e28acf15d86874931dcf598e3a9f103ae06adc5032440b56

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****6PSMZTLFO27ULL4I7YOHSLXIV4****SOURCE DOCUMENT****INA-SLEWING-RINGS-CATALOGUE-404-2012****SOURCE FILE****404\_de\_en\_1.pdf****SOURCE LOCATION****PDF page 60 | Printed page 58****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](mailto:jovi@merydom.com) | Email: [andi@merydom.com](mailto:andi@merydom.com) | WhatsApp: +86 17705201170Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/ina/vsa-201094-n/>

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