

Factory-Verified Replacement

MERYDOM V30S021

Certified for interchange with La Leonessa V30S021. 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

V30S021

SERIES

1R Series

OVERALL OD

1,290 mm

OVERALL HEIGHT

114 mm

REFERENCE

La Leonessa V30S021

STRUCTURE

Sfere a quattro punti di contatto

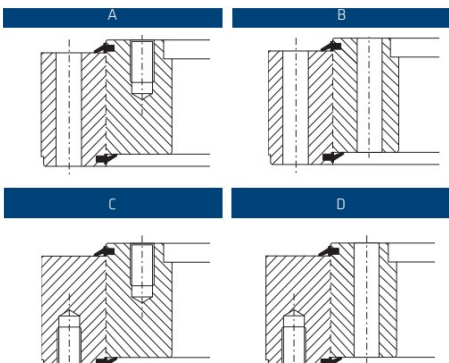
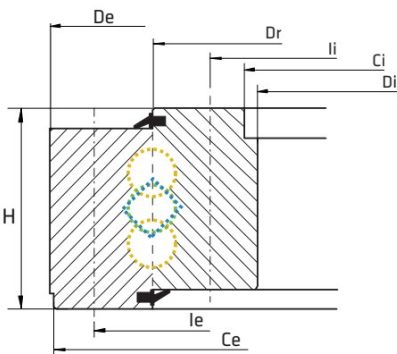
OVERALL ID

1,198 mm

GEAR

Senza dentatura

Published Technical Drawing



la-leonessa-1r-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                        | V30S021                                |
| Certified interchangeable with       | La Leonessa V30S021                    |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | TU6CARQ6Q572TPW5FIIQJHTNGY             |
| MATERIALS                            |                                        |
| Configurable ring material options   | 42CrMo / 50Mn                          |
| Seal material                        | NBR - Nitrile rubber                   |
| Configurable spacer material options | Engineering nylon / Brass              |
| IDENTIFICATION                       |                                        |
| Reference brand                      | La Leonessa                            |
| Reference series                     | 1R Series                              |
| Reference model                      | V30S021                                |
| Bearing structure                    | Sfere a quattro punti di contatto      |
| Gear arrangement                     | Senza dentatura                        |
| DIMENSION                            |                                        |
| Mass (P)                             | 340 kg                                 |
| Overall outside diameter (De)        | 1.290 mm                               |
| Overall inside diameter (Di)         | 1.198 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 height (H)                          | 114 mm                                                         |
| Dim Dr (Dr)                                 | 1.116,5 mm                                                     |
| Dim Centering External (Ce)                 | 1.240 -0,5/0 mm                                                |
| Dim Centering Internal (Ci)                 | 984 0/+0,5 mm                                                  |
| MOUNTING                                    |                                                                |
| Outer ring bolt circle (Ie)                 | 1.198 mm                                                       |
| Outer ring mounting-hole count (ne)         | 40                                                             |
| Outer ring mounting-hole specification (Me) | M20                                                            |
| Inner ring bolt circle (Ii)                 | 1.035 mm                                                       |
| Inner ring mounting-hole count (ni)         | 40                                                             |
| Inner ring mounting-hole specification (Mi) | M20                                                            |
| PERFORMANCE                                 |                                                                |
| Basic static axial load rating (C0a)        | 4.770 kN                                                       |
| Static tilting moment rating (M0r)          | 1.059 kNm                                                      |
| MISCELLANEOUS                               |                                                                |
| Pattern (Schema)                            | B                                                              |
| PERFORMANCE RATINGS                         |                                                                |
| Rating Axial Static                         | 4.770 kN   Not simultaneous with other listed dynamic ratings  |
| Rating Tilting Moment Static                | 1.059 kNm   Not simultaneous with other listed dynamic ratings |
| MOUNTING INTERFACES                         |                                                                |

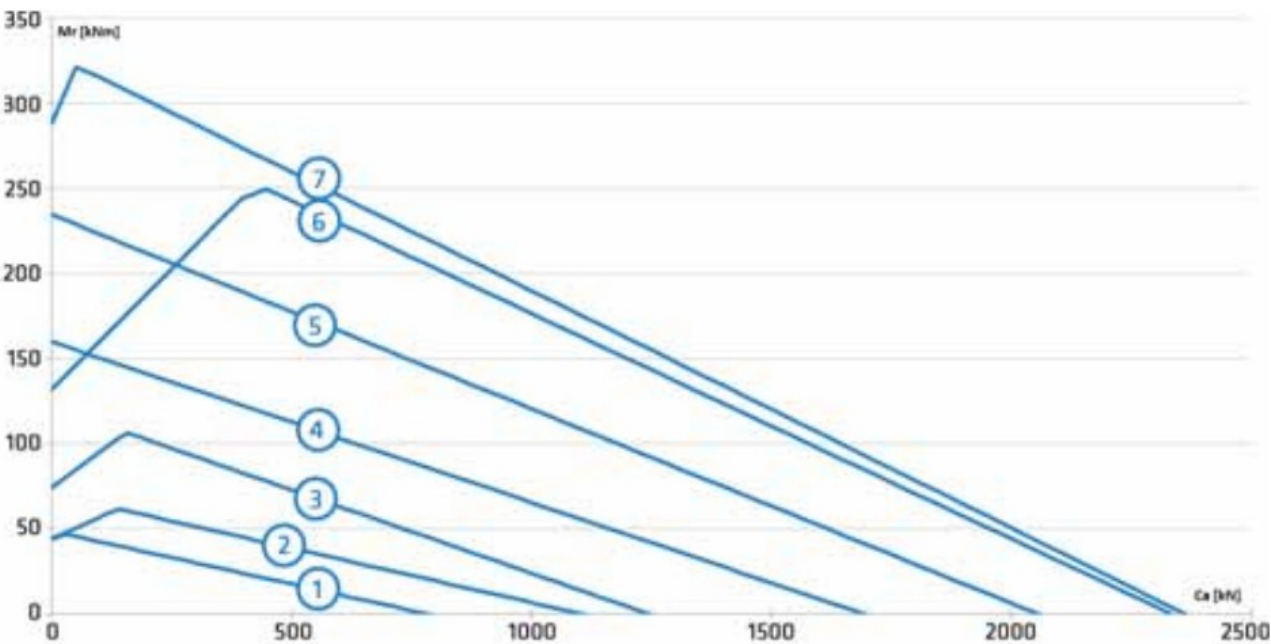
# Complete Product Data

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

| MOUNTING INTERFACES (CONTINUED) |                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Outer ring mounting             | 40 holes - 40; M20                                                                                                   |
| Inner ring mounting             | 40 holes - 40; M20                                                                                                   |
| GEAR INTERFACE                  |                                                                                                                      |
| Integral gear                   | Not applicable - ungeared bearing                                                                                    |
| SOURCE TRACEABILITY             |                                                                                                                      |
| Source document code            | LA-LEONESSA-UNGEARED-CATALOG-2017                                                                                    |
| Source file                     | SLEWING-BEARINGS-WITHOUT-GEAR.pdf                                                                                    |
| PDF page                        | 8                                                                                                                    |
| Printed page                    | 8                                                                                                                    |
| Source language                 | EN                                                                                                                   |
| Original unit system            | Metric                                                                                                               |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                                      |
| Load Curve Chart                | la-leonessa-1r-static_load_curve.webp   SHA-256:<br>ca44819ab8b892e781d45588013fe35a227cd108ab101a3ef61d4b7f05e373ea |
| Outline Drawing                 | la-leonessa-1r-drawing.webp   SHA-256:<br>4a923085cb91a56ef5e6fb7c569b7ef7d45a30c435f21fe886282908e4c75ec4           |

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.



la-leonessa-1r-static\_load\_curve.webp | SHA-256:  
ca44819ab8b892e781d45588013fe35a227cd108ab101a3ef61d4b7f05e373ea

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

TU6CARQ6Q572TPW5FIIOJHTNGY

### SOURCE DOCUMENT

LA-LEONESSA-UNGEARED-CATALOG-2017

### SOURCE FILE

SLEWING-BEARINGS-WITHOUT-GEAR.pdf

### SOURCE LOCATION

PDF page 8 | Printed page 8

### 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 17705201170

Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/la-leonessa/v30s021/>

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