

Factory-Verified Replacement

MERYDOM VS171A00

Certified for interchange with La Leonessa VS171A00. 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  
**VS171A00**

SERIES  
**1S Series**

OVERALL OD  
**1,716 mm**

OVERALL HEIGHT  
**87 mm**

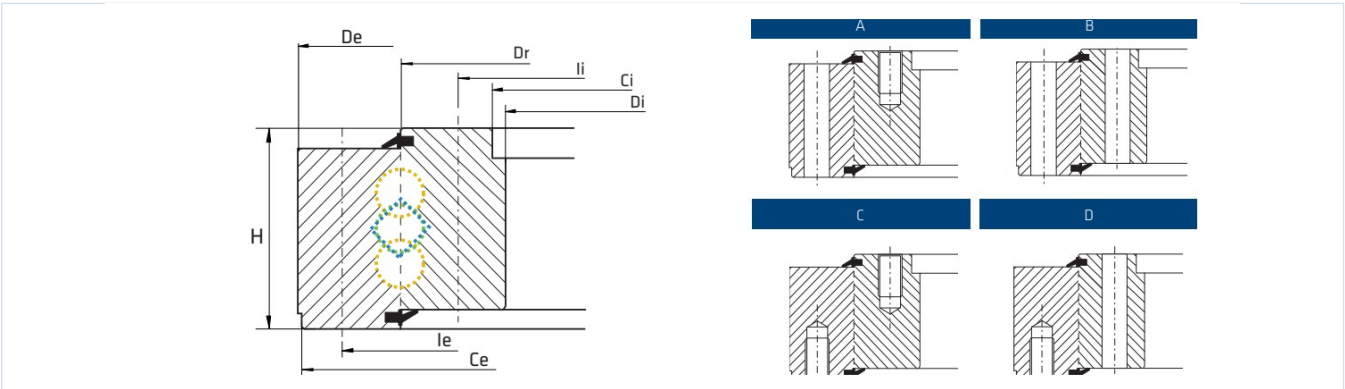
REFERENCE  
**La Leonessa VS171A00**

STRUCTURE  
**Sfere a quattro punti di contatto**

OVERALL ID  
**1,510 mm**

GEAR  
**Senza dentatura**

Published Technical Drawing



la-leonessa-1s-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                        | VS171A00                               |
| Certified interchangeable with       | La Leonessa VS171A00                   |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | RSRFGSBR3XZON4YNWE44H2QEYS             |
| 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                     | 1S Series                              |
| Reference model                      | VS171A00                               |
| Bearing structure                    | Sfere a quattro punti di contatto      |
| Gear arrangement                     | Senza dentatura                        |
| DIMENSION                            |                                        |
| Mass (P)                             | 305 kg                                 |
| Overall outside diameter (De)        | 1.716 mm                               |
| Overall inside diameter (Di)         | 1.510 mm                               |

Complete Product Data

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| DIMENSION (CONTINUED)                       |                                                                |
|---------------------------------------------|----------------------------------------------------------------|
| Overall height (H)                          | 87 mm                                                          |
| Dim Dr (Dr)                                 | 1.609,5 mm                                                     |
| Dim Centering Internal (Ci)                 | 1.512 +0,5/0 mm                                                |
| MOUNTING                                    |                                                                |
| Outer ring bolt circle (Ie)                 | 1.678 mm                                                       |
| Outer ring mounting-hole count (ne)         | 15                                                             |
| Outer ring mounting-hole specification (Me) | M16                                                            |
| Inner ring bolt circle (Ii)                 | 1.545 mm                                                       |
| Inner ring mounting-hole count (ni)         | 15                                                             |
| Inner ring mounting-hole specification (Mi) | M16                                                            |
| PERFORMANCE                                 |                                                                |
| Basic static axial load rating (C0a)        | 7.380 kN                                                       |
| Static tilting moment rating (M0r)          | 2.882 kNm                                                      |
| MISCELLANEOUS                               |                                                                |
| Pattern (Schema)                            | A                                                              |
| PERFORMANCE RATINGS                         |                                                                |
| Rating Axial Static                         | 7.380 kN   Not simultaneous with other listed dynamic ratings  |
| Rating Tilting Moment Static                | 2.882 kNm   Not simultaneous with other listed dynamic ratings |
| MOUNTING INTERFACES                         |                                                                |
| Outer ring mounting                         | 15 holes - 15; M16                                             |

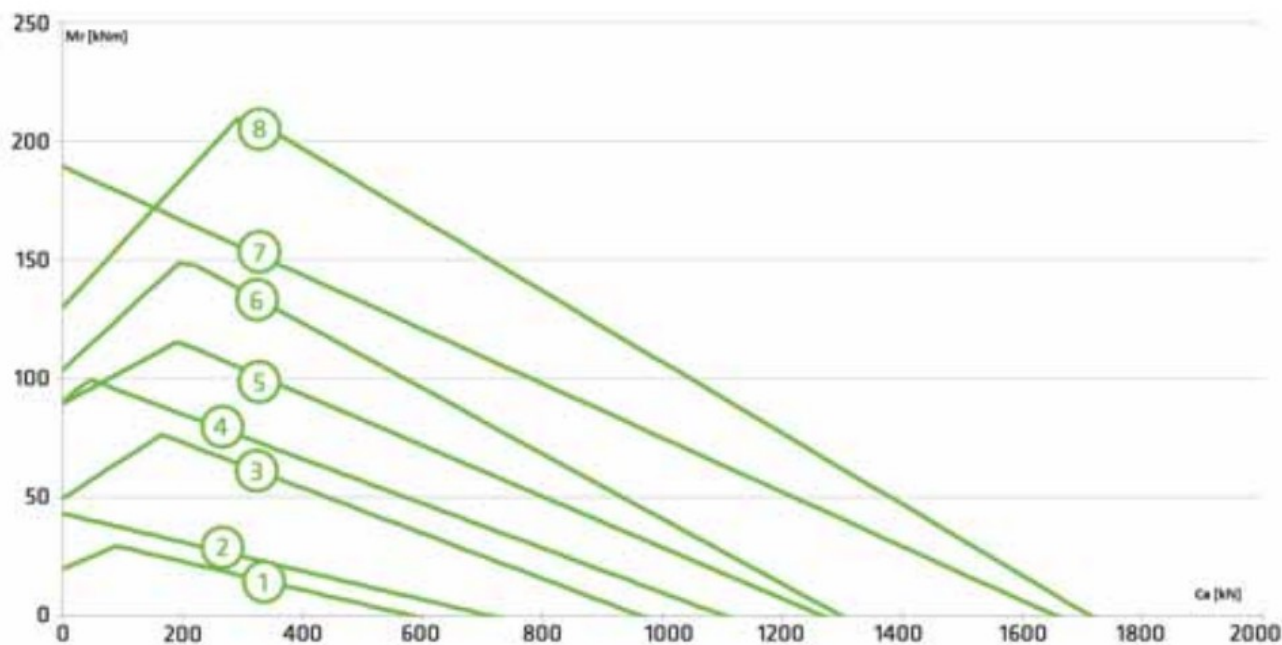
Complete Product Data

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|                                 |                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------|
| MOUNTING INTERFACES (CONTINUED) |                                                                                                                      |
| Inner ring mounting             | 15 holes - 15; M16                                                                                                   |
| 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                        | 12                                                                                                                   |
| Printed page                    | 12                                                                                                                   |
| Source language                 | EN                                                                                                                   |
| Original unit system            | Metric                                                                                                               |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                                      |
| Load Curve Chart                | la-leonessa-1s-static_load_curve.webp   SHA-256:<br>713d02f616f09913cdcc02f3aeffc4a1730f28dceaa348c35af5e5c7d669a49c |
| Outline Drawing                 | la-leonessa-1s-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-1s-static\_load\_curve.webp | SHA-256:  
713d02f616f09913cdcc02f3aeffc4a1730f28dceaa348c35af5e5c7d669a49c

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

**RSRFGSBR3XZON4YNWE44H2QEYS**

### SOURCE DOCUMENT

**LA-LEONESSA-UNGEARED-CATALOG-2017**

### SOURCE FILE

**SLEWING-BEARINGS-WITHOUT-GEAR.pdf**

### SOURCE LOCATION

**PDF page 12 | Printed page 12**

### 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/vs171a00/>

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