

Factory-Verified Replacement

MERYDOM VI061A01

Certified for interchange with La Leonessa VI061A01. 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

VI061A01

SERIES

1SI Series

OVERALL OD

616 mm

OVERALL HEIGHT

56 mm

REFERENCE

La Leonessa VI061A01

STRUCTURE

Esferas de contato de quatro pontos

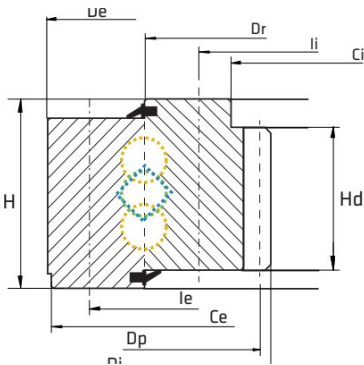
OVERALL ID

445.5 mm

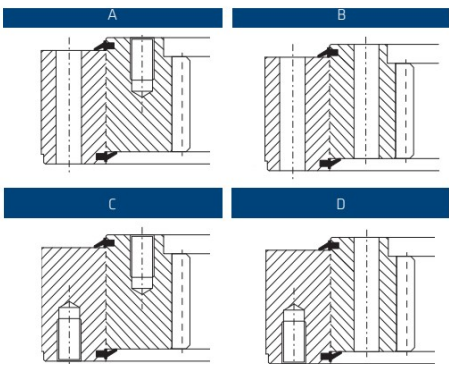
GEAR

Engrenagem interna

Published Technical Drawing



la-leonessa-1si-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                        | VI061A01                               |
| Certified interchangeable with       | La Leonessa VI061A01                   |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | TXBMK4L2W72ZVELVKJJGZC4SM6             |
| 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                     | 1SI Series                             |
| Reference model                      | VI061A01                               |
| Bearing structure                    | Esferas de contato de quatro pontos    |
| Gear arrangement                     | Engrenagem interna                     |
| DIMENSION                            |                                        |
| Mass (P)                             | 44 kg                                  |
| Overall outside diameter (De)        | 616 mm                                 |
| Overall inside diameter (Di)         | 445,5 mm                               |

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| DIMENSION (CONTINUED)                       |          |
|---------------------------------------------|----------|
| Overall height (H)                          | 56 mm    |
| Dim Dr (Dr)                                 | 542 mm   |
| MOUNTING                                    |          |
| Outer ring bolt circle (Ie)                 | 590 mm   |
| Outer ring mounting-hole count (ne)         | 32       |
| Outer ring mounting-hole specification (Me) | M14      |
| Inner ring bolt circle (Ii)                 | 505 mm   |
| Inner ring mounting-hole count (ni)         | 32       |
| Inner ring mounting-hole specification (Mi) | M14      |
| GEAR                                        |          |
| Gear module (m)                             | 6 mm     |
| Gear tooth count (z)                        | 76       |
| Liebherr catalogue gear dimension k*m (km)  | 0,75 mm  |
| Gear pitch diameter (Dp)                    | 456 mm   |
| Gear Tooth Height (Hd)                      | 46 mm    |
| PERFORMANCE                                 |          |
| Basic static axial load rating (C0a)        | 1.280 kN |
| Static tilting moment rating (M0r)          | 138 kNm  |
| Normal tooth force (Fnom)                   | 20 kN    |
| Maximum tooth force (Fmax)                  | 40 kN    |

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| MISCELLANEOUS                |                                                               |
|------------------------------|---------------------------------------------------------------|
| Pattern (Schema)             | A                                                             |
| PERFORMANCE RATINGS          |                                                               |
| Rating Axial Static          | 1.280 kN   Not simultaneous with other listed dynamic ratings |
| Rating Tilting Moment Static | 138 kNm   Not simultaneous with other listed dynamic ratings  |
| Rating Tooth Force Normal    | 20 kN   Not simultaneous with other listed dynamic ratings    |
| Rating Tooth Force Max       | 40 kN   Not simultaneous with other listed dynamic ratings    |
| MOUNTING INTERFACES          |                                                               |
| Outer ring mounting          | 32 holes - 32; M14                                            |
| Inner ring mounting          | 32 holes - 32; M14                                            |
| GEAR INTERFACE               |                                                               |
| Pitch system                 | module                                                        |
| Module reference             | 6 mm                                                          |
| Number of teeth              | 76                                                            |
| SOURCE TRACEABILITY          |                                                               |
| Source document code         | LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017                        |
| Source file                  | SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf                       |
| PDF page                     | 4                                                             |
| Printed page                 | 4                                                             |
| Source language              | EN                                                            |
| Original unit system         | Metric                                                        |

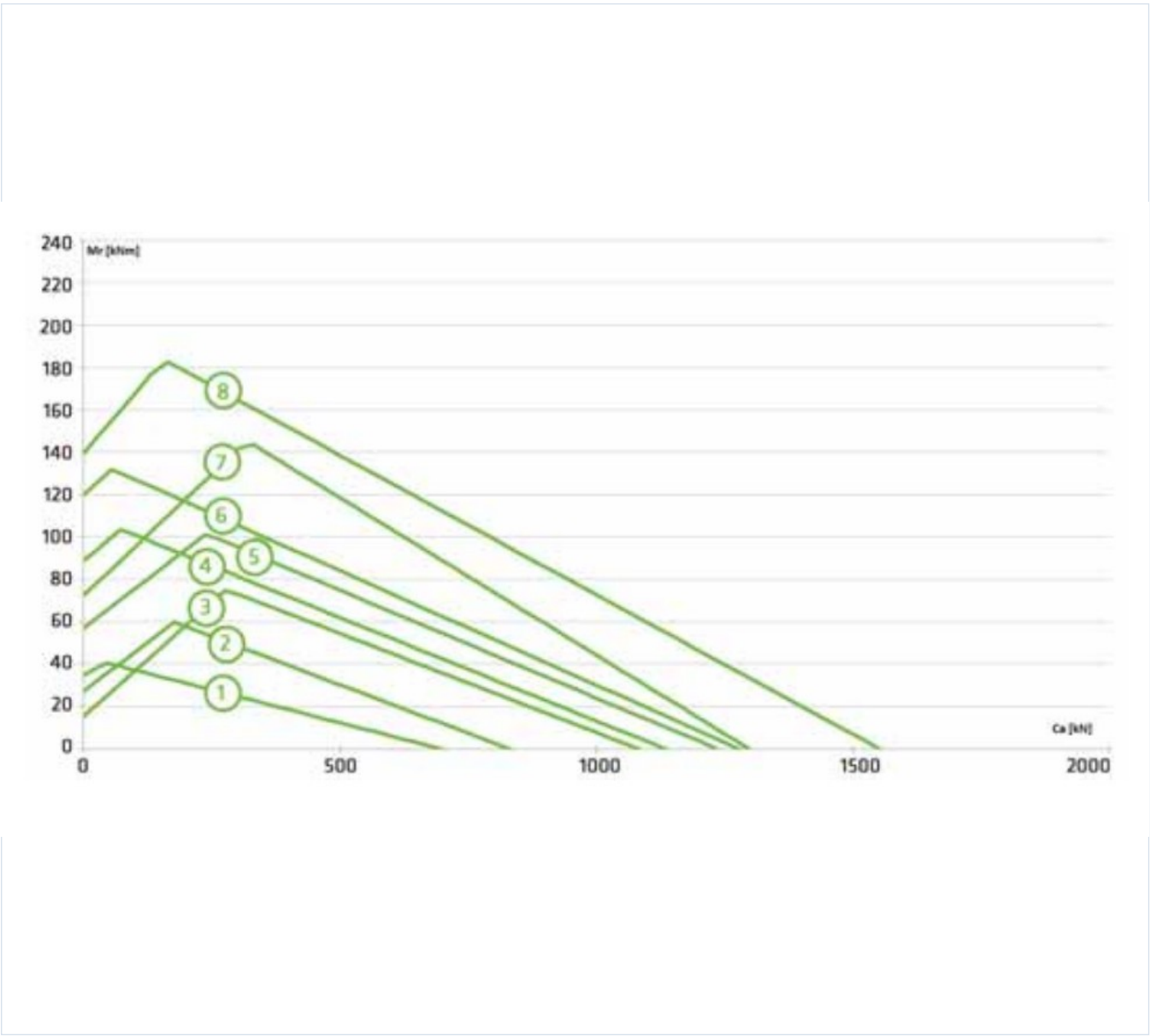
Complete Product Data

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| PUBLISHED TECHNICAL MEDIA |                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Load Curve Chart          | la-leonessa-1si-static_load_curve.webp   SHA-256:<br>0b170a48507420b5ae37a22d4354cc69ba563923e9226723d7a4253fd72d5189 |
| Outline Drawing           | la-leonessa-1si-drawing.webp   SHA-256:<br>3c0269351f1480df2b4130d7fb5c79552a0896a4f557467d7b138da54c54c490           |

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-1si-static\_load\_curve.webp | SHA-256:  
0b170a48507420b5ae37a22d4354cc69ba563923e9226723d7a4253fd72d5189

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

**TXBMK4L2W72ZVELVKJJGZC4SM6**

### SOURCE FILE

**SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf**

### VERIFICATION

**Level 3 - MERYDOM Engineering  
Verified**

### SOURCE DOCUMENT

**LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017**

### SOURCE LOCATION

**PDF page 4 | Printed page 4**

### 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/pt/produtos/rolamentos-de-giro-de-substituicao/la-leonessa/vi061a01/>

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