

Factory-Verified Replacement

MERYDOM VE064Z100

Certified for interchange with La Leonessa VE064Z100. 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

VE064Z100

SERIES

Z\_EXTERNAL Series

OVERALL OD

640.8 mm

OVERALL HEIGHT

56 mm

REFERENCE

La Leonessa VE064Z100

STRUCTURE

Flanged Four Point Contact Ball

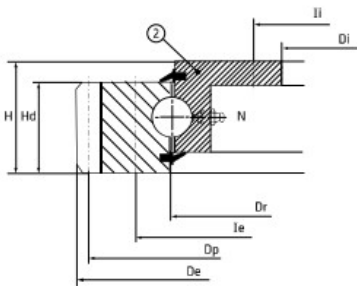
OVERALL ID

434 mm

GEAR

Engrenagem externa

Published Technical Drawing



la-leonessa-z-external-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                        | VE064Z100                              |
| Certified interchangeable with       | La Leonessa VE064Z100                  |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | 3HBWF74C62ZDJATC4HELJRBUWR             |
| 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                     | Z_EXTERNAL Series                      |
| Reference model                      | VE064Z100                              |
| Bearing structure                    | Flanged Four Point Contact Ball        |
| Gear arrangement                     | Engrenagem externa                     |
| DIMENSION                            |                                        |
| Mass (P)                             | 39 kg                                  |
| Overall outside diameter (De)        | 640,8 mm                               |
| Overall inside diameter (Di)         | 434 mm                                 |

## Complete Product Data

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| DIMENSION (CONTINUED)                       |         |
|---------------------------------------------|---------|
| Overall height (H)                          | 56 mm   |
| Dim Dr (Dr)                                 | 544 mm  |
| MOUNTING                                    |         |
| Outer ring bolt circle (Ie)                 | 585 mm  |
| Outer ring mounting-hole count (ne)         | 14      |
| Outer ring mounting-hole specification (Me) | M12     |
| Inner ring bolt circle (Ii)                 | 462 mm  |
| Inner ring mounting-hole count (ni)         | 14      |
| Inner ring mounting-hole specification (Mi) | M16     |
| GEAR                                        |         |
| Gear module (m)                             | 6 mm    |
| Gear tooth count (z)                        | 105     |
| Liebherr catalogue gear dimension k*m (km)  | 0,6 mm  |
| Gear pitch diameter (Dp)                    | 630 mm  |
| Gear Tooth Height (Hd)                      | 45,5 mm |
| PERFORMANCE                                 |         |
| Basic static axial load rating (C0a)        | 350 kN  |
| Static tilting moment rating (M0r)          | 42 kNm  |
| Normal tooth force (Fnom)                   | 14,2 kN |
| Maximum tooth force (Fmax)                  | 28,4 kN |

Complete Product Data

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| PERFORMANCE RATINGS          |                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Rating Axial Static          | 350 kN   Not simultaneous with other listed dynamic ratings                                                               |
| Rating Tilting Moment Static | 42 kNm   Not simultaneous with other listed dynamic ratings                                                               |
| Rating Tooth Force Normal    | 14,2 kN   Not simultaneous with other listed dynamic ratings                                                              |
| Rating Tooth Force Max       | 28,4 kN   Not simultaneous with other listed dynamic ratings                                                              |
| MOUNTING INTERFACES          |                                                                                                                           |
| Outer ring mounting          | 14 holes - 14; M12                                                                                                        |
| Inner ring mounting          | 14 holes - 14; M16                                                                                                        |
| GEAR INTERFACE               |                                                                                                                           |
| Pitch system                 | module                                                                                                                    |
| Module reference             | 6 mm                                                                                                                      |
| Number of teeth              | 105                                                                                                                       |
| SOURCE TRACEABILITY          |                                                                                                                           |
| Source document code         | LA-LEONESSA-FLANGED-SLEWING-BEARINGS-CATALOG-2013                                                                         |
| Source file                  | Catalogo_flangiati.pdf                                                                                                    |
| PDF page                     | 2                                                                                                                         |
| Printed page                 | 2                                                                                                                         |
| Source language              | EN                                                                                                                        |
| Original unit system         | Metric                                                                                                                    |
| PUBLISHED TECHNICAL MEDIA    |                                                                                                                           |
| Load Curve Chart             | la-leonessa-z-external-static_load_curve.webp   SHA-256: 7e5942d2250300b774b9a47276b2238aec0fd1620da21ca6fa1266da04750467 |

Complete Product Data

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| PUBLISHED TECHNICAL MEDIA (CONTINUED) |                                                                                                                    |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Outline Drawing                       | la-leonessa-z-external-drawing.webp   SHA-256:<br>c45a0346554562dcd15b471c82ba9af10ca23e5d51261fd5da5782bda8f905b1 |

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-z-external-static\_load\_curve.webp | SHA-256:  
7e5942d2250300b774b9a47276b2238aec0fd1620da21ca6fa1266da04750467

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

**3HBWF74C62ZDJATC4HELJRBUWR**

### SOURCE FILE

**Catalogo\_flangiati.pdf**

### VERIFICATION

**Level 3 - MERYDOM Engineering  
Verified**

### SOURCE DOCUMENT

**LA-LEONESSA-FLANGED-SLEWING-BEARINGS  
-CATALOG-2013**

### SOURCE LOCATION

**PDF page 2 | Printed page 2**

### 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/ve064z100/>

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