

Factory-Verified Replacement

MERYDOM VE084Z100

Certified for interchange with La Leonessa VE084Z100.  
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

VE084Z100

SERIES

Z\_EXTERNAL Series

OVERALL OD

838.8 mm

OVERALL HEIGHT

56 mm

REFERENCE

La Leonessa VE084Z100

STRUCTURE

Flanged Four Point Contact Ball

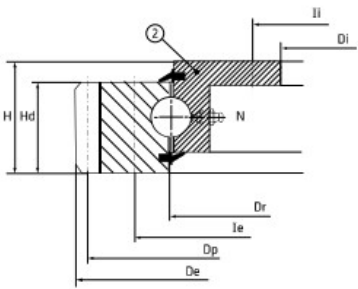
OVERALL ID

634 mm

GEAR

D tand li

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                        | VE084Z100                              |
| Certified interchangeable with       | La Leonessa VE084Z100                  |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | VSKYTVA6KEK4TWMHOUUUXAVAJM             |
| 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                      | VE084Z100                              |
| Bearing structure                    | Flanged Four Point Contact Ball        |
| Gear arrangement                     | D tan di li                            |
| DIMENSION                            |                                        |
| Mass (P)                             | 53 kg                                  |
| Overall outside diameter (De)        | 838,8 mm                               |
| Overall inside diameter (Di)         | 634 mm                                 |

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| DIMENSION (CONTINUED)                       |         |
|---------------------------------------------|---------|
| Overall height (H)                          | 56 mm   |
| Dim Dr (Dr)                                 | 744 mm  |
| MOUNTING                                    |         |
| Outer ring bolt circle (Ie)                 | 785 mm  |
| Outer ring mounting-hole count (ne)         | 18      |
| Outer ring mounting-hole specification (Me) | M12     |
| Inner ring bolt circle (Ii)                 | 662 mm  |
| Inner ring mounting-hole count (ni)         | 16      |
| Inner ring mounting-hole specification (Mi) | M16     |
| GEAR                                        |         |
| Gear module (m)                             | 6 mm    |
| Gear tooth count (z)                        | 138     |
| Liebherr catalogue gear dimension k*m (km)  | 0,6 mm  |
| Gear pitch diameter (Dp)                    | 828 mm  |
| Gear Tooth Height (Hd)                      | 45,5 mm |
| PERFORMANCE                                 |         |
| Basic static axial load rating (C0a)        | 480 kN  |
| Static tilting moment rating (M0r)          | 80 kNm  |
| Normal tooth force (Fnom)                   | 14,2 kN |
| Maximum tooth force (Fmax)                  | 28,4 kN |

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| PERFORMANCE RATINGS          |                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Rating Axial Static          | 480 kN   Not simultaneous with other listed dynamic ratings                                                               |
| Rating Tilting Moment Static | 80 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          | 18 holes - 18; M12                                                                                                        |
| Inner ring mounting          | 16 holes - 16; M16                                                                                                        |
| GEAR INTERFACE               |                                                                                                                           |
| Pitch system                 | module                                                                                                                    |
| Module reference             | 6 mm                                                                                                                      |
| Number of teeth              | 138                                                                                                                       |
| 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 |

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

| 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

VSKYTV6KEK4TWMHOUUUXAVAJM

### 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 | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/la-leonessa/ve084z100/>

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