

Factory-Verified Replacement

MERYDOM VE102A00

Certified for interchange with La Leonessa VE102A00. 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

VE102A00

SERIES

1SE Series

OVERALL OD

1,022 mm

OVERALL HEIGHT

82 mm

REFERENCE

La Leonessa VE102A00

STRUCTURE

Sfere a quattro punti di contatto

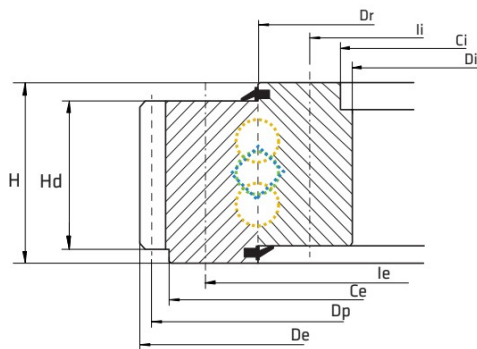
OVERALL ID

769 mm

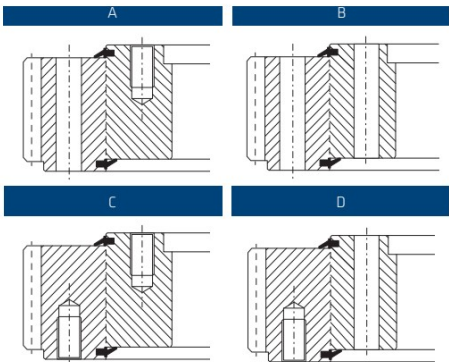
GEAR

Dentatura esterna

Published Technical Drawing



la-leonessa-1se-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	VE102A00
Certified interchangeable with	La Leonessa VE102A00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	C3ARHZGZM7J3SXCWFMGZTM5EKZ
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	1SE Series
Reference model	VE102A00
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Mass (P)	162 kg
Overall outside diameter (De)	1.022 mm
Overall inside diameter (Di)	769 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	82 mm
Dim Dr (Dr)	879,5 mm
Dim Centering External (Ce)	905 +0,3/0 mm
Dim Centering Internal (Ci)	775 +0,3/0 mm
MOUNTING	
Outer ring bolt circle (Ie)	945 mm
Outer ring mounting-hole count (ne)	36
Outer ring mounting-hole specification (Me)	M20
Inner ring bolt circle (Ii)	802 mm
Inner ring mounting-hole count (ni)	36
Inner ring mounting-hole specification (Mi)	M20
GEAR	
Gear module (m)	8 mm
Gear tooth count (z)	125
Addendum modification product x*m (xm)	4 mm
Liebherr catalogue gear dimension k*m (km)	1 mm
Gear pitch diameter (Dp)	1.008 mm
Gear Tooth Height (Hd)	72 mm
Gear Hardening Indicator (Tempa)	
PERFORMANCE	

Complete Product Data

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PERFORMANCE (CONTINUED)	
Basic static axial load rating (C0a)	3.070 kN
Static tilting moment rating (M0r)	625 kNm
Normal tooth force (Fnom)	75 kN
Maximum tooth force (Fmax)	150 kN
MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	3.070 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	625 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	75 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	150 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - 36; M20
Inner ring mounting	36 holes - 36; M20
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	125
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-EXTERNAL-GEAR-CATALOG-2017

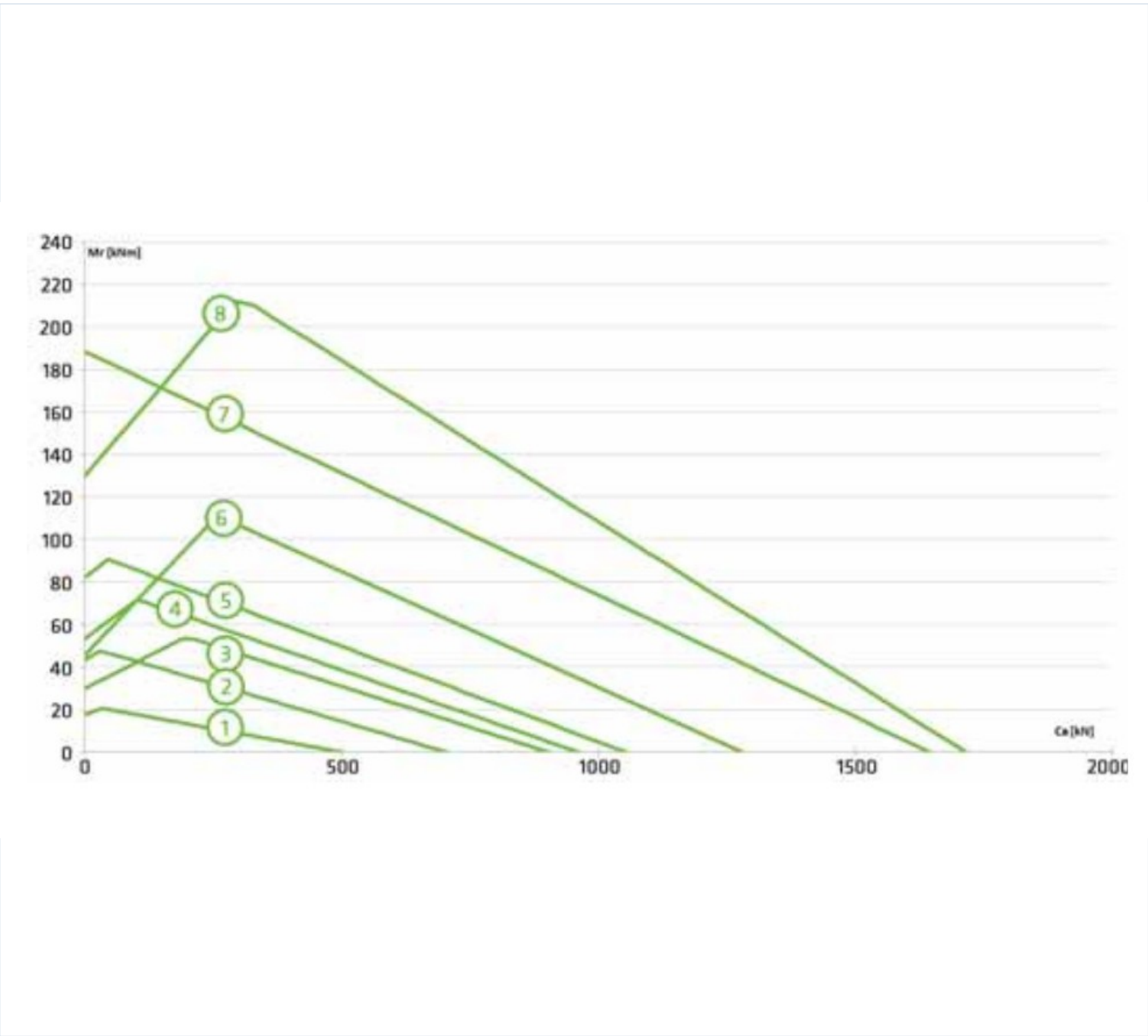
Complete Product Data

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

SOURCE TRACEABILITY (CONTINUED)	
Source file	SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.pdf
PDF page	8
Printed page	8
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-1se-static_load_curve.webp SHA-256: 62bcb1797791d738ca65eca2203a02e0957321a0ae736fda2a8e171090a981e9
Outline Drawing	la-leonessa-1se-drawing.webp SHA-256: 9def12f376fbd9bc222f66ab0503412bd5a475fdfe624e4dbfe0ca549ea4d61f

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-1se-static_load_curve.webp | SHA-256:
62bcb1797791d738ca65eca2203a02e0957321a0ae736fda2a8e171090a981e9

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

C3ARHZGZM7J3SXCWFMGZTM5EKZ

SOURCE FILE

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

VERIFICATION

**Level 3 - MERYDOM Engineering
Verified**

SOURCE DOCUMENT

**LA-LEONESSA-EXTERNAL-GEAR-CATALOG-20
17**

SOURCE LOCATION

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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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/la-leonessa/ve102a00/>

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