

Factory-Verified Replacement

MERYDOM VE138B05

Certified for interchange with La Leonessa VE138B05. 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

VE138B05

SERIES

2SE Series

OVERALL OD

1,380 mm

OVERALL HEIGHT

108 mm

REFERENCE

La Leonessa VE138B05

STRUCTURE

Double-row ball

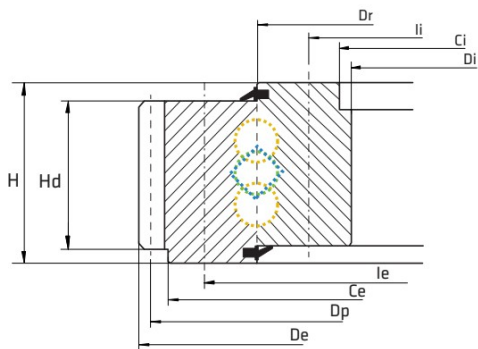
OVERALL ID

1,095 mm

GEAR

External gear

Published Technical Drawing



la-leonessa-2se-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	VE138B05
Certified interchangeable with	La Leonessa VE138B05
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	N246ZY6FWONWUJQZZJC7EH75MZ
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	2SE Series
Reference model	VE138B05
Bearing structure	Double-row ball
Gear arrangement	External gear
DIMENSION	
Mass (P)	350 kg
Overall outside diameter (De)	1,380 mm
Overall inside diameter (Di)	1,095 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	108 mm
Dim Dr (Dr)	1,218.5 mm
Dim Centering Internal (Ci)	1.100 +0,5/0 mm
MOUNTING	
Outer ring bolt circle (Ie)	1,290 mm
Outer ring mounting-hole count (ne)	48
Outer ring mounting-hole specification (Me)	M22
Inner ring bolt circle (Ii)	1,135 mm
Inner ring mounting-hole count (ni)	48
Inner ring mounting-hole specification (Mi)	M22
GEAR	
Gear module (m)	10 mm
Gear tooth count (z)	136
Gear pitch diameter (Dp)	1,360 mm
Gear Tooth Height (Hd)	90 mm
PERFORMANCE	
Basic static axial load rating (C0a)	7,000 kN
Static tilting moment rating (M0r)	1,692 kNm
Normal tooth force (Fnom)	67 kN
Maximum tooth force (Fmax)	134 kN

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MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	7,000 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	1,692 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	67 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	134 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - 48; M22
Inner ring mounting	48 holes - 48; M22
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	136
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-EXTERNAL-GEAR-CATALOG-2017
Source file	SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.pdf
PDF page	8
Printed page	8
Source language	EN
Original unit system	Metric

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.

PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-2se-static_load_curve.webp SHA-256: 0056d7fd4ded2922ffa0000f4b2784841e0dbba7de039b531b9334852625cba1
Outline Drawing	la-leonessa-2se-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-2se-static_load_curve.webp | SHA-256:
0056d7fd4ded2922ffa0000f4b2784841e0dbba7de039b531b9334852625cba1

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 N246ZY6FWONWUJQZZJC7EH75MZ	SOURCE DOCUMENT LA-LEONESSA-EXTERNAL-GEAR-CATALOG-2017
SOURCE FILE SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.pdf	SOURCE LOCATION PDF page 8 Printed page 8
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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/la-leonessa/ve138b05/>

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