

Factory-Verified Replacement

MERYDOM VS120A13

Certified for interchange with La Leonessa VS120A13. 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

VS120A13

SERIES

1S Series

OVERALL OD

1,200 mm

OVERALL HEIGHT

65 mm

REFERENCE

La Leonessa VS120A13

STRUCTURE

Four-point contact ball

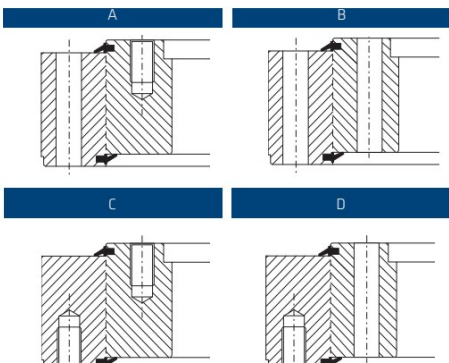
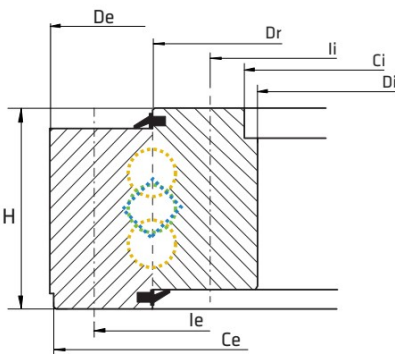
OVERALL ID

982 mm

GEAR

Ungeared

Published Technical Drawing



la-leonessa-1s-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	VS120A13
Certified interchangeable with	La Leonessa VS120A13
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	QK4WE373XNC6Z6K422TRRK5NOH
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	1S Series
Reference model	VS120A13
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Mass (P)	150 kg
Overall outside diameter (De)	1,200 mm
Overall inside diameter (Di)	982 mm

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.

DIMENSION (CONTINUED)	
Overall height (H)	65 mm
Dim Dr (Dr)	1,073 mm
MOUNTING	
Outer ring bolt circle (Ie)	1,135 mm
Outer ring mounting-hole count (ne)	30
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	1,012 mm
Inner ring mounting-hole count (ni)	30
Inner ring mounting-hole specification (Mi)	M16
PERFORMANCE	
Basic static axial load rating (C0a)	2,600 kN
Static tilting moment rating (M0r)	706 kNm
MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	2,600 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	706 kNm Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	30 holes - 30; M16
Inner ring mounting	30 holes - 30; M16

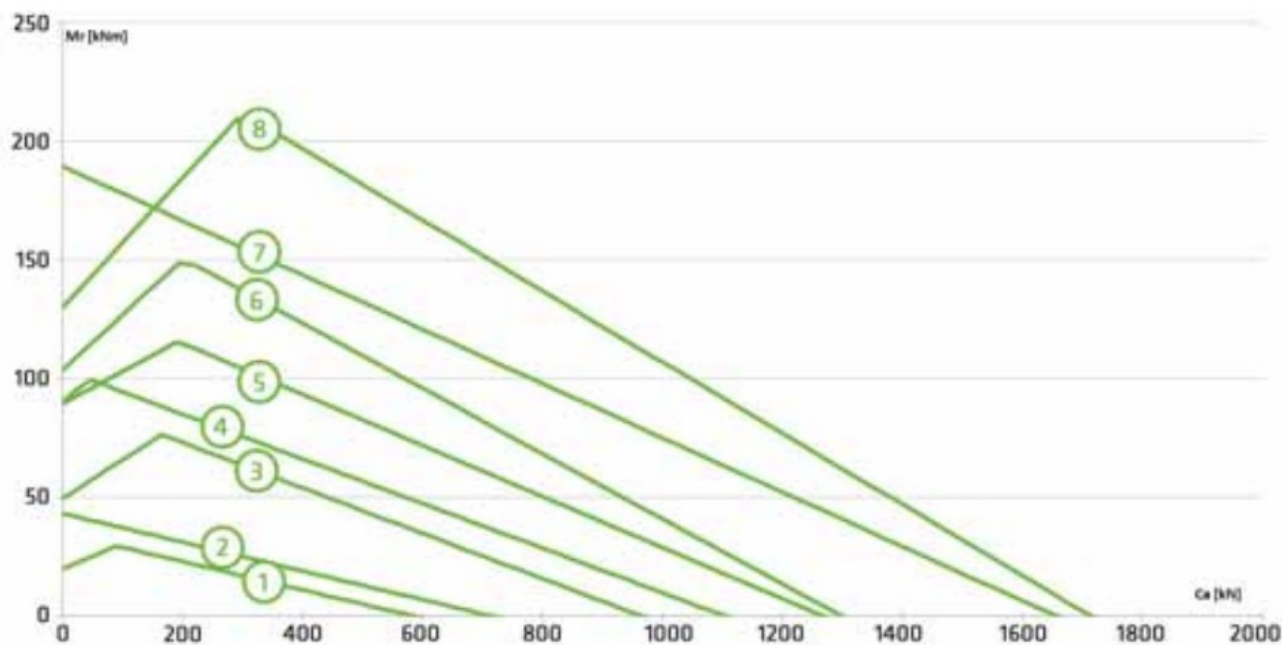
Complete Product Data

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

GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-UNGEARED-CATALOG-2017
Source file	SLEWING-BEARINGS-WITHOUT-GEAR.pdf
PDF page	8
Printed page	8
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-1s-static_load_curve.webp SHA-256: 713d02f616f09913cdcc02f3aeffc4a1730f28dceaa348c35af5e5c7d669a49c
Outline Drawing	la-leonessa-1s-drawing.webp SHA-256: 4a923085cb91a56ef5e6fb7c569b7ef7d45a30c435f21fe886282908e4c75ec4

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-1s-static_load_curve.webp | SHA-256:
713d02f616f09913cdcc02f3aeffc4a1730f28dceaa348c35af5e5c7d669a49c

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

QK4WE373XNC6Z6K422TRRK5NOH

SOURCE DOCUMENT

LA-LEONESSA-UNGEARED-CATALOG-2017

SOURCE FILE

SLEWING-BEARINGS-WITHOUT-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/vs120a13/>

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