

Factory-Verified Replacement

MERYDOM VS050A03

Certified for interchange with La Leonessa VS050A03. 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

VS050A03

SERIES

1S Series

OVERALL OD

503.3 mm

OVERALL HEIGHT

56 mm

REFERENCE

La Leonessa VS050A03

STRUCTURE

Four-point contact ball

OVERALL ID

344 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	VS050A03
Certified interchangeable with	La Leonessa VS050A03
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	BYZZVRU7YV2NPMNTTKKP7AK2QO
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	VS050A03
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Mass (P)	33 kg
Overall outside diameter (De)	503.3 mm
Overall inside diameter (Di)	344 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	56 mm
Dim Dr (Dr)	415 mm
MOUNTING	
Outer ring bolt circle (Ie)	460 mm
Outer ring mounting-hole count (ne)	20
Outer ring mounting-hole specification (Me)	M12
Inner ring bolt circle (Ii)	368 mm
Inner ring mounting-hole count (ni)	24
Inner ring mounting-hole specification (Mi)	M12
PERFORMANCE	
Basic static axial load rating (C0a)	970 kN
Static tilting moment rating (M0r)	92 kNm
MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	970 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	92 kNm Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	20 holes - 20; M12
Inner ring mounting	24 holes - 24; M12

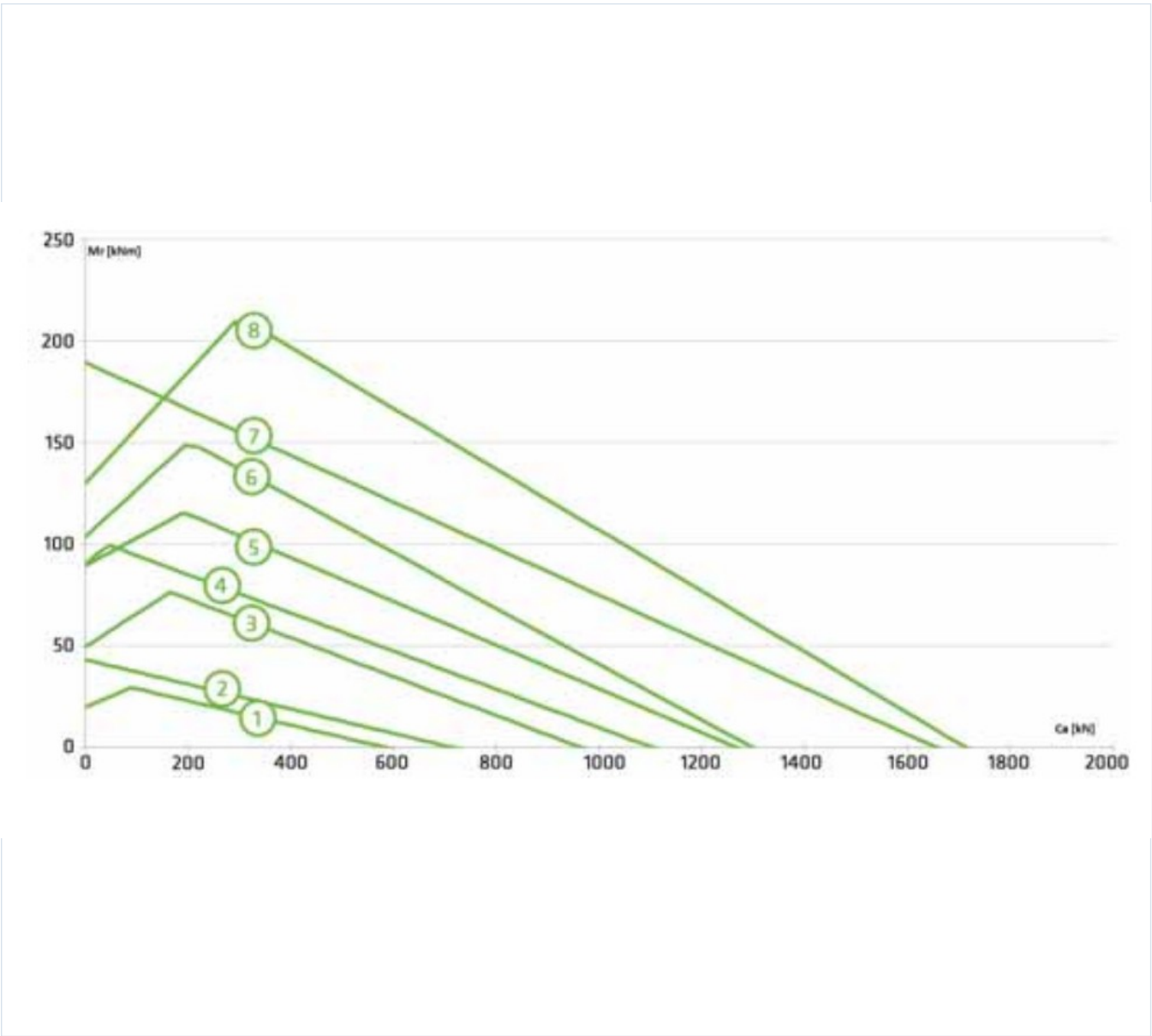
Complete Product Data

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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	4
Printed page	4
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 BYZ2VRU7YV2NPMNTTKKP7AK2QO	SOURCE DOCUMENT LA-LEONESSA-UNGEARED-CATALOG-2017
SOURCE FILE SLEWING-BEARINGS-WITHOUT-GEAR.pdf	SOURCE LOCATION PDF page 4 Printed page 4
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/vs050a03/>

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