

Factory-Verified Replacement

MERYDOM VS097B01

Certified for interchange with La Leonessa VS097B01. 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

VS097B01

SERIES

2S Series

OVERALL OD

976 mm

OVERALL HEIGHT

97 mm

REFERENCE

La Leonessa VS097B01

STRUCTURE

Double-row ball

OVERALL ID

786 mm

GEAR

Ungeared

Published Technical Drawing



la-leonessa-2s-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	VS097B01
Certified interchangeable with	La Leonessa VS097B01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	IP2LY5ZEWH76IXIFUQH77P4AMI
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	2S Series
Reference model	VS097B01
Bearing structure	Double-row ball
Gear arrangement	Ungeared
DIMENSION	
Mass (P)	160 kg
Overall outside diameter (De)	976 mm
Overall inside diameter (Di)	786 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	97 mm
Dim Dr (Dr)	897 mm
MOUNTING	
Outer ring bolt circle (Ie)	944 mm
Outer ring mounting-hole count (ne)	36
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	850 mm
Inner ring mounting-hole count (ni)	36
Inner ring mounting-hole specification (Mi)	M16
PERFORMANCE	
Basic static axial load rating (C0a)	2,500 kN
Static tilting moment rating (M0r)	510 kNm
MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	2,500 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	510 kNm Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - 36; M16
Inner ring mounting	36 holes - 36; M16

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	8
Printed page	8
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-2s-static_load_curve.webp SHA-256: bd0fa5826fce2237fa8f96813c8064c10c9eca12a0bbc91886a42a2836fab532
Outline Drawing	la-leonessa-2s-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-2s-static_load_curve.webp | SHA-256:
bd0fa5826fce2237fa8f96813c8064c10c9eca12a0bbc91886a42a2836fab532

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**IP2LY5ZEWH76IXIFUQH77P4AMI****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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170Product page: <https://rotnex.com/products/slewing-bearing-replacements/la-leonessa/vs097b01/>

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