

Factory-Verified Replacement

MERYDOM V18S077

Certified for interchange with La Leonessa V18S077. 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

V18S077

SERIES

1R Series

OVERALL OD

403.5 mm

OVERALL HEIGHT

55 mm

REFERENCE

La Leonessa V18S077

STRUCTURE

Four-point contact ball

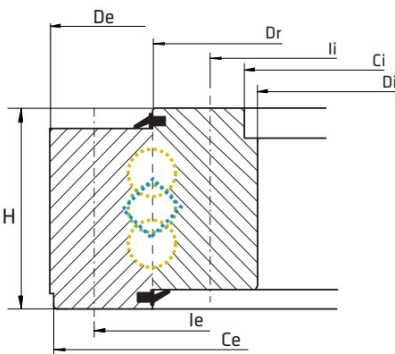
OVERALL ID

234 mm

GEAR

Ungeared

Published Technical Drawing



la-leonessa-1r-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	V18S077
Certified interchangeable with	La Leonessa V18S077
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SMHI2TLKOLUJ33OQIOGZ6WGBUW
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	1R Series
Reference model	V18S077
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Mass (P)	24 kg
Overall outside diameter (De)	403.5 mm
Overall inside diameter (Di)	234 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	55 mm
Dim Dr (Dr)	310 mm
Dim Centering Internal (Ci)	235 +0,3 / 0 mm
MOUNTING	
Outer ring bolt circle (Ie)	358 mm
Outer ring mounting-hole count (ne)	24
Outer ring mounting-hole specification (Me)	M12
Inner ring bolt circle (Ii)	259 mm
Inner ring mounting-hole count (ni)	28-1
Inner ring mounting-hole specification (Mi)	M12
PERFORMANCE	
Basic static axial load rating (C0a)	780 kN
Static tilting moment rating (M0r)	49 kNm
MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	780 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	49 kNm Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - 24; M12

Complete Product Data

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MOUNTING INTERFACES (CONTINUED)	
Inner ring mounting	28 holes - 28-1; M12
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-1r-static_load_curve.webp SHA-256: ca44819ab8b892e781d45588013fe35a227cd108ab101a3ef61d4b7f05e373ea
Outline Drawing	la-leonessa-1r-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-1r-static_load_curve.webp | SHA-256:
ca44819ab8b892e781d45588013fe35a227cd108ab101a3ef61d4b7f05e373ea

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**SMHI2TLKOLUJ33OQIOGZ6WGBUW****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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170Product page: <https://rotnex.com/products/slewing-bearing-replacements/la-leonessa/v18s077/>

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