

Factory-Verified Replacement

MERYDOM V25I209

Certified for interchange with La Leonessa V25I209. 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
V25I209

SERIES
1RI Series

OVERALL OD
771 mm

OVERALL HEIGHT
70 mm

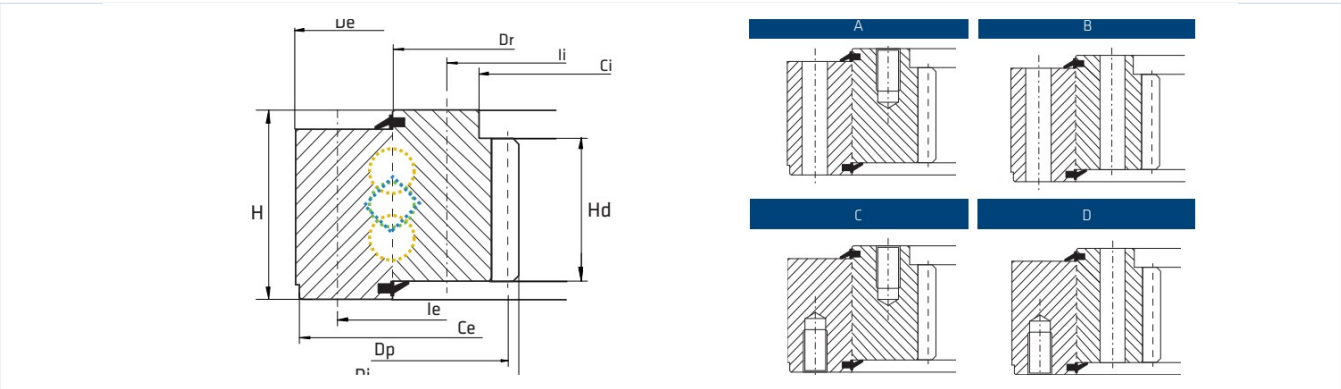
REFERENCE
La Leonessa V25I209

STRUCTURE
Four-point contact ball

OVERALL ID
534 mm

GEAR
Internal gear

Published Technical Drawing



la-leonessa-1ri-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	V25I209
Certified interchangeable with	La Leonessa V25I209
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JNHHVZ24E2LGIMJCNCNEBCXKUY
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	1RI Series
Reference model	V25I209
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (P)	100 kg
Overall outside diameter (De)	771 mm
Overall inside diameter (Di)	534 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	70 mm
Dim Dr (Dr)	673.5 mm
MOUNTING	
Outer ring bolt circle (Ie)	736 mm
Outer ring mounting-hole count (ne)	32
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	610 mm
Inner ring mounting-hole count (ni)	32
Inner ring mounting-hole specification (Mi)	M16
GEAR	
Gear module (m)	6 mm
Gear tooth count (z)	91
Gear pitch diameter (Dp)	546 mm
Gear Tooth Height (Hd)	60 mm
PERFORMANCE	
Basic static axial load rating (C0a)	2,220 kN
Static tilting moment rating (M0r)	376 kNm
Normal tooth force (Fnom)	30 kN
Maximum tooth force (Fmax)	60 kN
MISCELLANEOUS	

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MISCELLANEOUS (CONTINUED)	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	2,220 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	376 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	30 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	60 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	32 holes - 32; M16
Inner ring mounting	32 holes - 32; M16
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	91
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017
Source file	SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf
PDF page	4
Printed page	4
Source language	EN
Original unit system	Metric

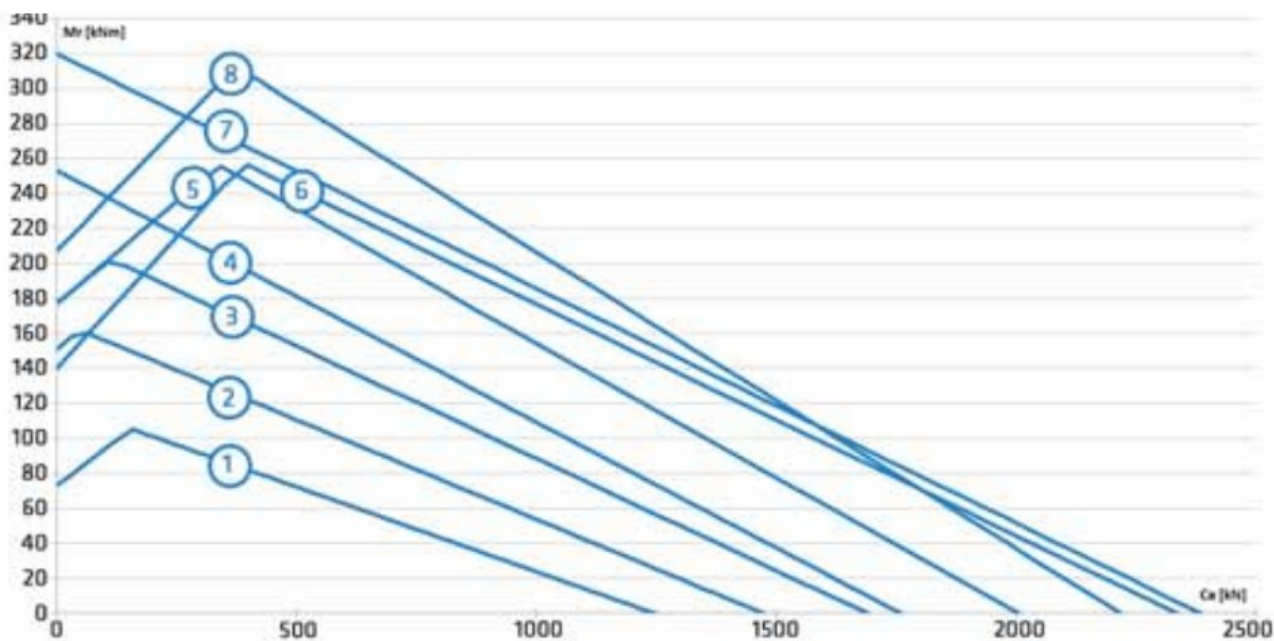
Complete Product Data

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-1ri-static_load_curve.webp SHA-256: 88ec75fa8bed689f66b14f5b91e2b5afb0052df21fcd350ae92760f6f677df55
Outline Drawing	la-leonessa-1ri-drawing.webp SHA-256: 3c0269351f1480df2b4130d7fb5c79552a0896a4f557467d7b138da54c54c490

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-1ri-static_load_curve.webp | SHA-256:
88ec75fa8bed689f66b14f5b91e2b5afb0052df21fcd350ae92760f6f677df55

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 JNHHVZ24E2LGIMJCNCNEBCXKUY	SOURCE DOCUMENT LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017
SOURCE FILE SLEWING-BEARINGS-WITH-INTERNAL-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/v25i209/>

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