

Factory-Verified Replacement

MERYDOM V40I032

Certified for interchange with La Leonessa V40I032. 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

V40I032

SERIES

1RI Series

OVERALL OD

2,002 mm

OVERALL HEIGHT

150 mm

REFERENCE

La Leonessa V40I032

STRUCTURE

Four-point contact ball

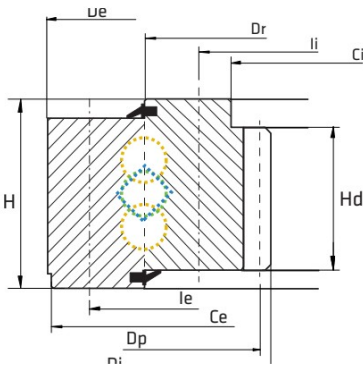
OVERALL ID

1,568 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	V40I032
Certified interchangeable with	La Leonessa V40I032
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	5LGZSXTWTD6NIFBH52AQ3QNAJ
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	V40I032
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (P)	950 kg
Overall outside diameter (De)	2,002 mm
Overall inside diameter (Di)	1,568 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	150 mm
Dim Dr (Dr)	1,829.5 mm
Dim Centering External (Ce)	2.000 0/-0,5 mm
Dim Centering Internal (Ci)	1.640 +0,5/0 mm
MOUNTING	
Outer ring bolt circle (Ie)	1,940 mm
Outer ring mounting-hole count (ne)	48
Outer ring mounting-hole specification (Me)	M30
Inner ring bolt circle (Ii)	1,720 mm
Inner ring mounting-hole count (ni)	48
Inner ring mounting-hole specification (Mi)	M30
GEAR	
Gear module (m)	16 mm
Gear tooth count (z)	100
Gear pitch diameter (Dp)	1,600 mm
Gear Tooth Height (Hd)	120 mm
PERFORMANCE	
Basic static axial load rating (C0a)	8,370 kN
Static tilting moment rating (M0r)	3,834 kNm
Normal tooth force (Fnom)	224 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fmax)	448 kN
MISCELLANEOUS	
Pattern (Schema)	A
PERFORMANCE RATINGS	
Rating Axial Static	8,370 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	3,834 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	224 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	448 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - 48; M30
Inner ring mounting	48 holes - 48; M30
GEAR INTERFACE	
Pitch system	module
Module reference	16 mm
Number of teeth	100
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017
Source file	SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf
PDF page	12
Printed page	12
Source language	EN

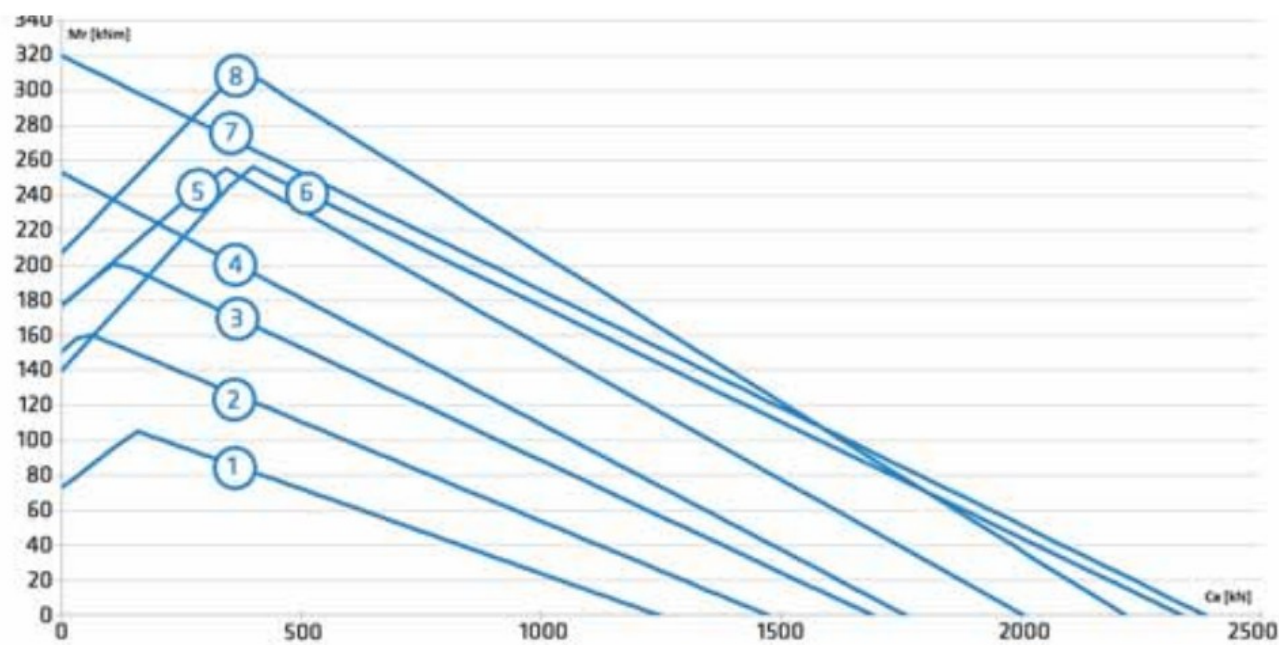
Complete Product Data

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SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Metric
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 5LGZSXTWTD6NIFBH52AQ3QNAJ	SOURCE DOCUMENT LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017
SOURCE FILE SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf	SOURCE LOCATION PDF page 12 Printed page 12
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 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/la-leonessa/v40i032/>

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