

Factory-Verified Replacement

MERYDOM V40I033

Certified for interchange with La Leonessa V40I033. 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

V40I033

SERIES

1RI Series

OVERALL OD

1,770 mm

OVERALL HEIGHT

150 mm

REFERENCE

La Leonessa V40I033

STRUCTURE

Four-point contact ball

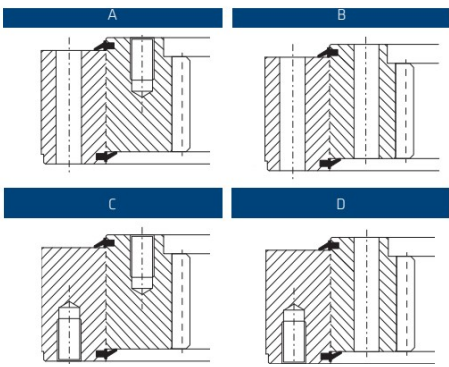
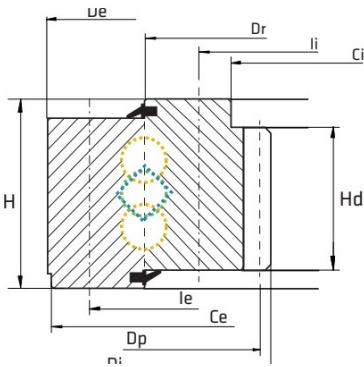
OVERALL ID

1,375 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	V40I033
Certified interchangeable with	La Leonessa V40I033
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	PCG27HXNH4LRSS7UV7GSL6GP5M
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	V40I033
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (P)	800 kg
Overall outside diameter (De)	1,770 mm
Overall inside diameter (Di)	1,375 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	150 mm
Dim Dr (Dr)	1,605.5 mm
Dim Centering External (Ce)	1.760 0/-0,5 mm
Dim Centering Internal (Ci)	1.580 0/-0,5 mm
MOUNTING	
Outer ring bolt circle (Ie)	1,710 mm
Outer ring mounting-hole count (ne)	48
Outer ring mounting-hole specification (Me)	M27
Inner ring bolt circle (Ii)	1,500 mm
Inner ring mounting-hole count (ni)	48
Inner ring mounting-hole specification (Mi)	M27
GEAR	
Gear module (m)	14 mm
Gear tooth count (z)	100
Liebherr catalogue gear dimension k*m (km)	1.5 mm
Gear pitch diameter (Dp)	1,400 mm
Gear Tooth Height (Hd)	110 mm
PERFORMANCE	
Basic static axial load rating (C0a)	7,780 kN
Static tilting moment rating (M0r)	3,102 kNm

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PERFORMANCE (CONTINUED)	
Normal tooth force (Fnom)	177 kN
Maximum tooth force (Fmax)	354 kN
MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	7,780 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	3,102 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	177 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	354 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - 48; M27
Inner ring mounting	48 holes - 48; M27
GEAR INTERFACE	
Pitch system	module
Module reference	14 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

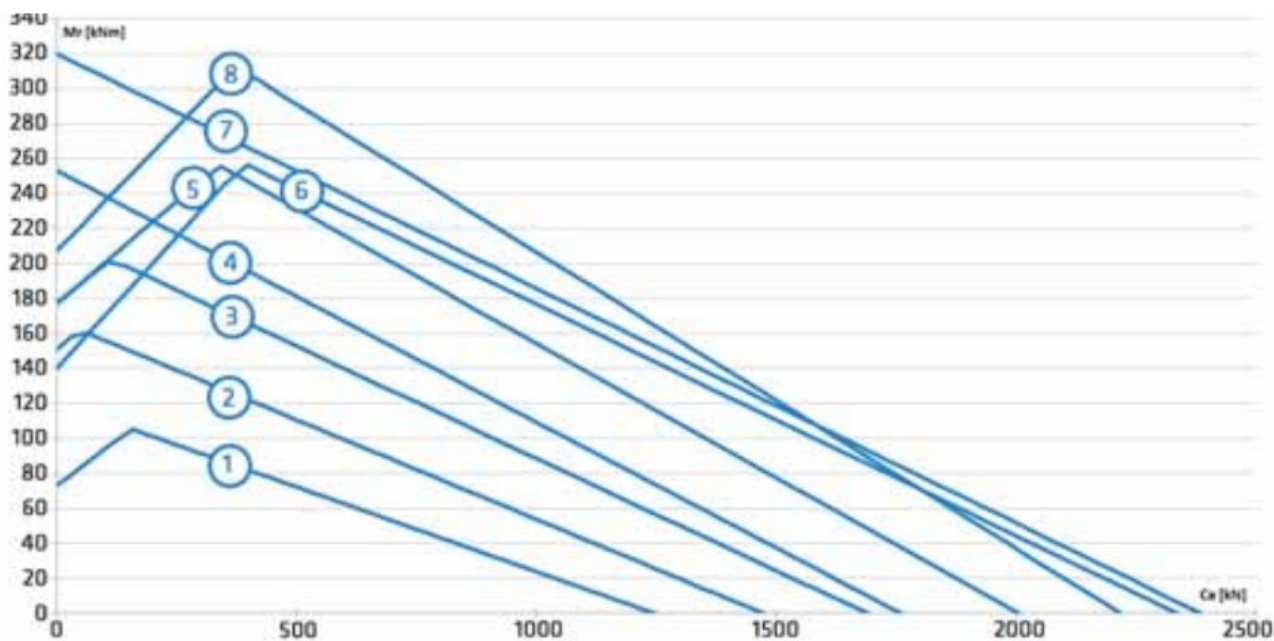
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY (CONTINUED)	
Source language	EN
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 PCG27HXNH4LRSS7UV7GSL6GP5M	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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/la-leonessa/v40i033/>

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