

Factory-Verified Replacement

MERYDOM VR242I00

Certified for interchange with La Leonessa VR242I00. 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

VR242I00

REFERENCE

La Leonessa VR242I00

SERIES

VRI-25 Series

STRUCTURE

Rulli a tre file

OVERALL OD

2,421 mm

OVERALL ID

1,948 mm

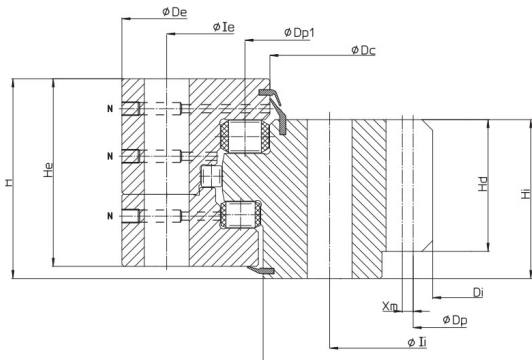
OVERALL HEIGHT

147 mm

GEAR

Dentatura interna

Published Technical Drawing



la-leonessa-vri-25-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	VR242I00
Certified interchangeable with	La Leonessa VR242I00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JQWP646CMIATACTCRME7UIHANW
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	VRI-25 Series
Reference model	VR242I00
Bearing structure	Rulli a tre file
Gear arrangement	Dentatura interna
DIMENSION	
Mass (P)	1.402 kg
Overall outside diameter (De)	2.421 mm
Overall inside diameter (Di)	1.948 mm

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.

DIMENSION (CONTINUED)	
Overall height (H)	147 mm
Dim Dc (DC)	2.203 mm
Dim DI (DI)	2.214 mm
Dim Hi (Hi)	117 mm
Dim He (He)	138 mm
MOUNTING	
Outer ring bolt circle (Ie)	2.355 mm
Outer ring mounting-hole count (ne)	48
Outer ring mounting-hole specification (Me)	M30
Inner ring bolt circle (Ii)	2.115 mm
Inner ring mounting-hole count (ni)	48
Inner ring mounting-hole specification (Mi)	M30
GEAR	
Gear pitch diameter (Dp)	1.962 mm
Gear module (m)	18 mm
Gear tooth count (Z)	109
Addendum modification product x*m (xm)	-10 mm
Liebherr catalogue gear dimension k*m (km)	-2 mm
Gear Tooth Height (Hd)	116 mm
PERFORMANCE	

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PERFORMANCE (CONTINUED)	
Normal tooth force (F _{nom})	185 kN
Maximum tooth force (F _{max})	370 kN
MISCELLANEOUS	
Raceway Pitch Diameter (D _{p1})	2.240 mm
Lubrication Zerk Count (N)	8
PERFORMANCE RATINGS	
Rating Tooth Force Normal	185 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	370 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	18 mm
Number of teeth	109
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-THREE-ROW-ROLLER-CATALOG-2019
Source file	broc-3-giri-2019_p12.pdf
PDF page	8
Printed page	8
Source language	EN

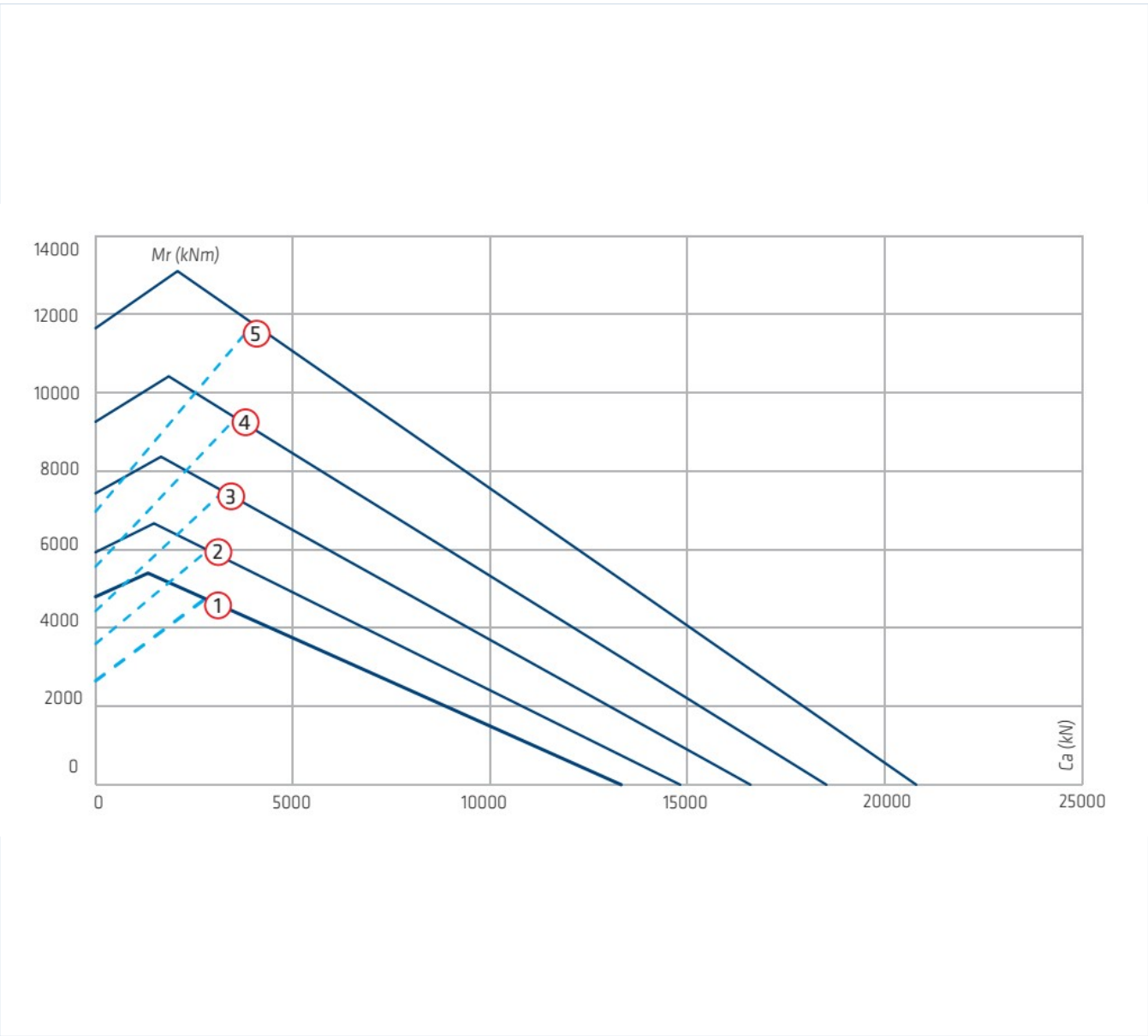
Complete Product Data

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)	
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-vri-25-static_load_curve.webp SHA-256: 5c7f0d5464c16284db6924f9fa49470c30f022e37ad564d465e16adf37c01c63
Outline Drawing	la-leonessa-vri-25-drawing.webp SHA-256: c2b7eaec3d3c1709d5c5759306aef67b52c27d34601989f60cba8d1551ff1b92

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-vri-25-static_load_curve.webp | SHA-256:
5c7f0d5464c16284db6924f9fa49470c30f022e37ad564d465e16adf37c01c63

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

JQWP646CMIATACTCRME7UIHANW

SOURCE FILE

broc-3-giri-2019_p12.pdf

VERIFICATION

**Level 3 - MERYDOM Engineering
Verified**

SOURCE DOCUMENT

**LA-LEONESSA-THREE-ROW-ROLLER-CATALOG
-2019**

SOURCE LOCATION

PDF page 8 | Printed page 8

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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/la-leonessa/vr242i00/>

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