

Factory-Verified Replacement

MERYDOM VR221I00

Certified for interchange with La Leonessa VR221I00. 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

VR221I00

REFERENCE

La Leonessa VR221I00

SERIES

VRI-32 Series

STRUCTURE

Rolos de tr s carreiras

OVERALL OD

2,218 mm

OVERALL ID

1,683.2 mm

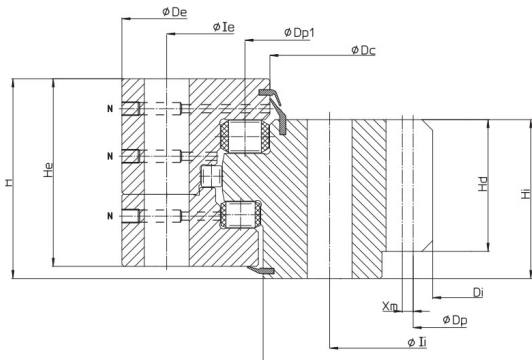
OVERALL HEIGHT

181 mm

GEAR

Engrenagem interna

Published Technical Drawing



la-leonessa-vri-32-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	VR221I00
Certified interchangeable with	La Leonessa VR221I00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CFXW5C22YBIBS77JRO3BAXSULX
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-32 Series
Reference model	VR221I00
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (P)	1.760 kg
Overall outside diameter (De)	2.218 mm
Overall inside diameter (Di)	1.683,2 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)	181 mm
Dim Dc (DC)	1.959 mm
Dim DI (DI)	1.970 mm
Dim Hi (Hi)	139 mm
Dim He (He)	172 mm
MOUNTING	
Outer ring bolt circle (Ie)	2.140 mm
Outer ring mounting-hole count (ne)	36
Outer ring mounting-hole specification (Me)	M36
Inner ring bolt circle (Ii)	1.855 mm
Inner ring mounting-hole count (ni)	36
Inner ring mounting-hole specification (Mi)	M36
GEAR	
Gear pitch diameter (Dp)	1.696 mm
Gear module (m)	16 mm
Gear tooth count (Z)	109
Addendum modification product x^*m (xm)	-8 mm
Liebherr catalogue gear dimension k^*m (km)	-1,6 mm
Gear Tooth Height (Hd)	138 mm
PERFORMANCE	

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.

PERFORMANCE (CONTINUED)	
Normal tooth force (Fnom)	200 kN
Maximum tooth force (Fmax)	400 kN
MISCELLANEOUS	
Raceway Pitch Diameter (Dp1)	2.000 mm
Lubrication Zerk Count (N)	6
PERFORMANCE RATINGS	
Rating Tooth Force Normal	200 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	400 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - 36; M36
Inner ring mounting	36 holes - 36; M36
GEAR INTERFACE	
Pitch system	module
Module reference	16 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

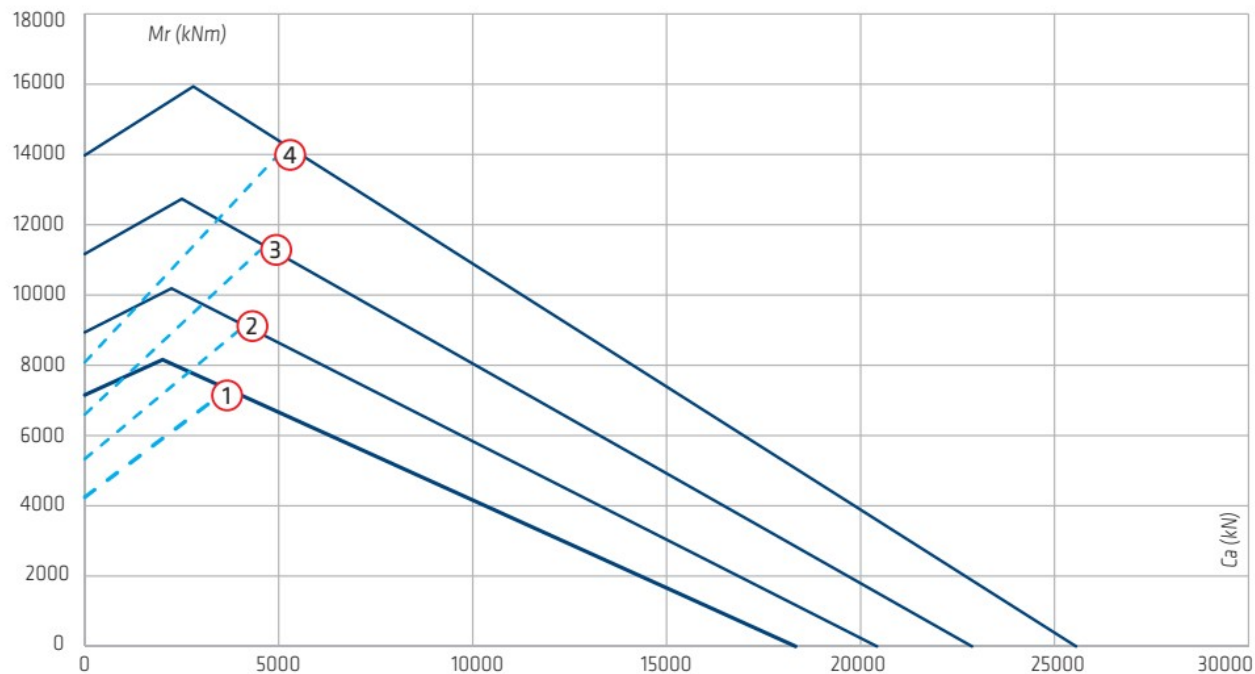
Complete Product Data

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-32-static_load_curve.webp SHA-256: 220495f28f216cda2fb91f5a62a78678c1f6dfd0da963f96d5c88b689b f79bd8
Outline Drawing	la-leonessa-vri-32-drawing.webp SHA-256: c2b7eaec3d3c1709d5c5759306aef67b52c27d34601989f60cba8d1551 ff1b92

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-32-static_load_curve.webp | SHA-256:
220495f28f216cda2fb91f5a62a78678c1f6dfd0da963f96d5c88b689bf79bd8

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

CFXW5C22YBIBS77JRO3BAXSULX

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

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Product page: <https://rotnex.com/pt/produtos/rolamentos-de-giro-de-substituicao/la-leonessa/vr221i00/>

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