

Factory-Verified Replacement

MERYDOM VR303I01

Certified for interchange with La Leonessa VR303I01. 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

VR303I01

REFERENCE

La Leonessa VR303I01

SERIES

VRI-40 Series

STRUCTURE

Rolos de tr s carreiras

OVERALL OD

3,038 mm

OVERALL ID

2,464 mm

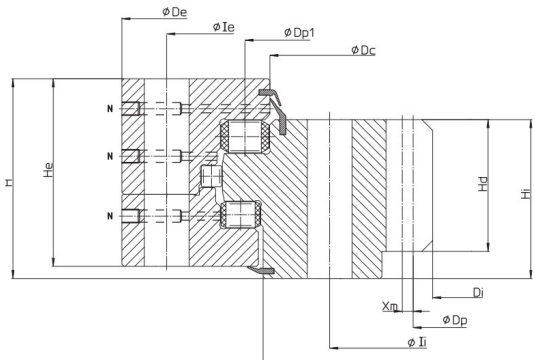
OVERALL HEIGHT

220 mm

GEAR

Engrenagem interna

Published Technical Drawing



la-leonessa-vri-40-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	VR303I01
Certified interchangeable with	La Leonessa VR303I01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	24Y77QH3BS2TCVMJPVGLDLWPGM
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-40 Series
Reference model	VR303I01
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (P)	3.213 kg
Overall outside diameter (De)	3.038 mm
Overall inside diameter (Di)	2.464 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)	220 mm
Dim Dc (DC)	2.750 mm
Dim DI (DI)	2.762 mm
Dim Hi (Hi)	170 mm
Dim He (He)	210 mm
MOUNTING	
Outer ring bolt circle (Ie)	2.960 mm
Outer ring mounting-hole count (ne)	48
Outer ring mounting-hole specification (Me)	M36
Inner ring bolt circle (Ii)	2.635 mm
Inner ring mounting-hole count (ni)	48
Inner ring mounting-hole specification (Mi)	M36
GEAR	
Gear pitch diameter (Dp)	2.480 mm
Gear module (m)	20 mm
Gear tooth count (Z)	124
Addendum modification product x*m (xm)	-10 mm
Liebherr catalogue gear dimension k*m (km)	-2 mm
Gear Tooth Height (Hd)	169 mm
PERFORMANCE	

Complete Product Data

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PERFORMANCE (CONTINUED)	
Normal tooth force (F _{nom})	300 kN
Maximum tooth force (F _{max})	600 kN
MISCELLANEOUS	
Raceway Pitch Diameter (D _{p1})	2.800 mm
Lubrication Zerk Count (N)	8
PERFORMANCE RATINGS	
Rating Tooth Force Normal	300 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	600 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - 48; M36
Inner ring mounting	48 holes - 48; M36
GEAR INTERFACE	
Pitch system	module
Module reference	20 mm
Number of teeth	124
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

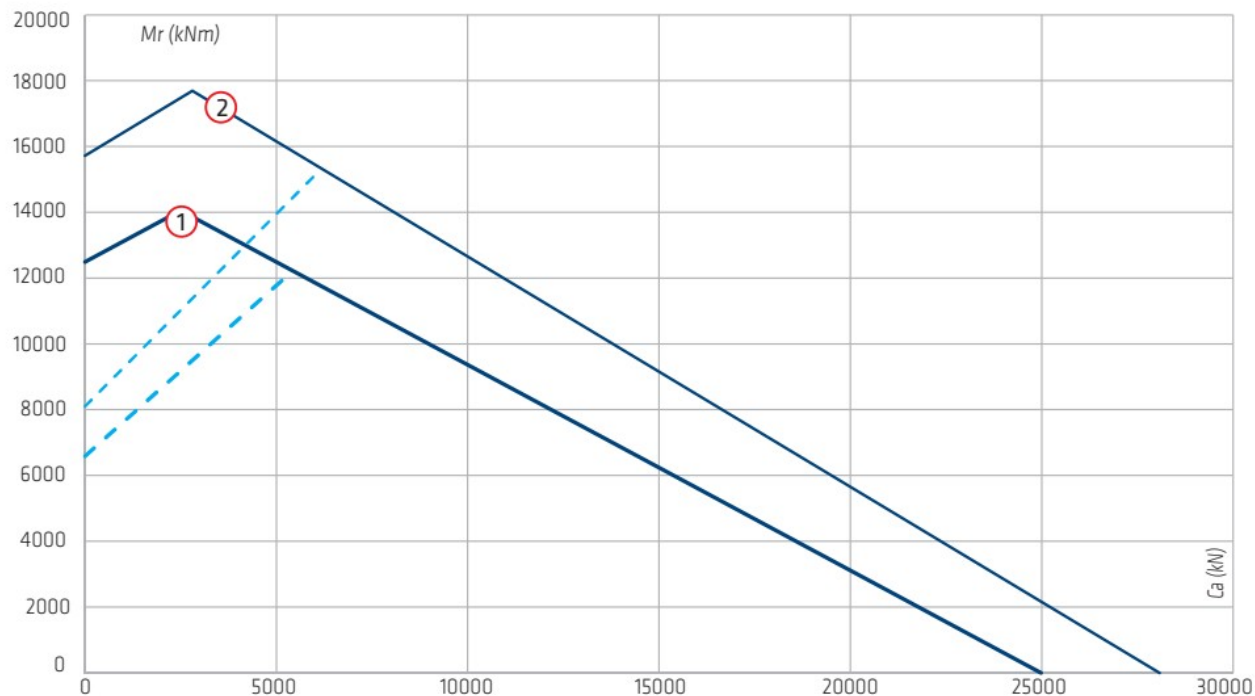
Complete Product Data

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-40-static_load_curve.webp SHA-256: 6e02ca34fbb8476e563acad359ca74d850e99797bf2d38c53e6ec18ec6bb0ee5
Outline Drawing	la-leonessa-vri-40-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-40-static_load_curve.webp | SHA-256:
6e02ca34fbb8476e563acad359ca74d850e99797bf2d38c53e6ec18ec6bb0ee5

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

24Y77QH3BS2TCVMJPVGLDLWPGM

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/pt/produtos/rolamentos-de-giro-de-substituicao/la-leonessa/vr303i01/>

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