

Factory-Verified Replacement

MERYDOM VR301I00

Certified for interchange with La Leonessa VR301I00. 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
VR301I00

REFERENCE
La Leonessa VR301I00

SERIES
VRI-32 Series

STRUCTURE
Rulli a tre file

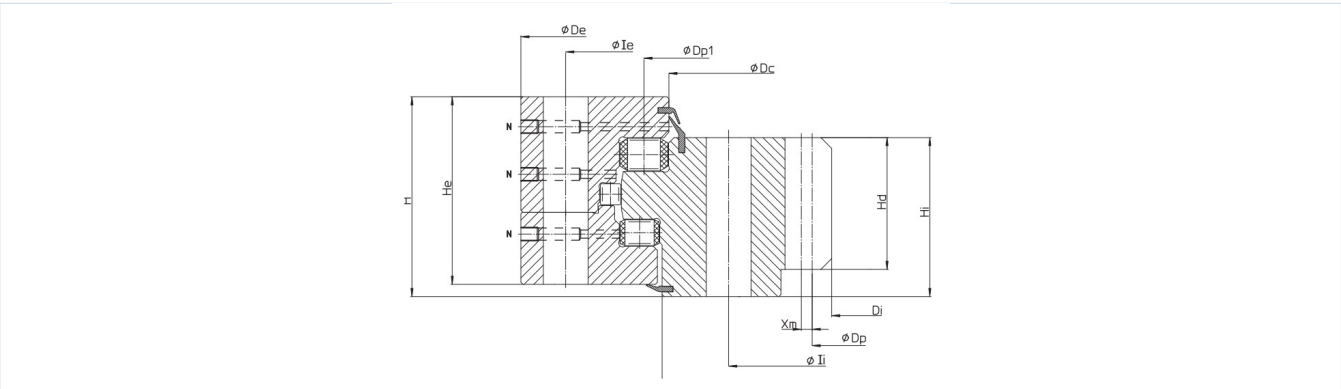
OVERALL OD
3,018 mm

OVERALL ID
2,464 mm

OVERALL HEIGHT
181 mm

GEAR
Dentatura 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	VR301I00
Certified interchangeable with	La Leonessa VR301I00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	N5GEO5JF55GIITOEUICKVHAT3R
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	VR301I00
Bearing structure	Rulli a tre file
Gear arrangement	Dentatura interna
DIMENSION	
Mass (P)	2.542 kg
Overall outside diameter (De)	3.018 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)	181 mm
Dim Dc (DC)	2.759 mm
Dim DI (DI)	2.770 mm
Dim Hi (Hi)	139 mm
Dim He (He)	172 mm
MOUNTING	
Outer ring bolt circle (Ie)	2.940 mm
Outer ring mounting-hole count (ne)	48
Outer ring mounting-hole specification (Me)	M36
Inner ring bolt circle (Ii)	2.645 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)	138 mm
PERFORMANCE	

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PERFORMANCE (CONTINUED)	
Normal tooth force (F _{nom})	240 kN
Maximum tooth force (F _{max})	480 kN
MISCELLANEOUS	
Raceway Pitch Diameter (D _{p1})	2.800 mm
Lubrication Zerk Count (N)	8
PERFORMANCE RATINGS	
Rating Tooth Force Normal	240 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	480 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

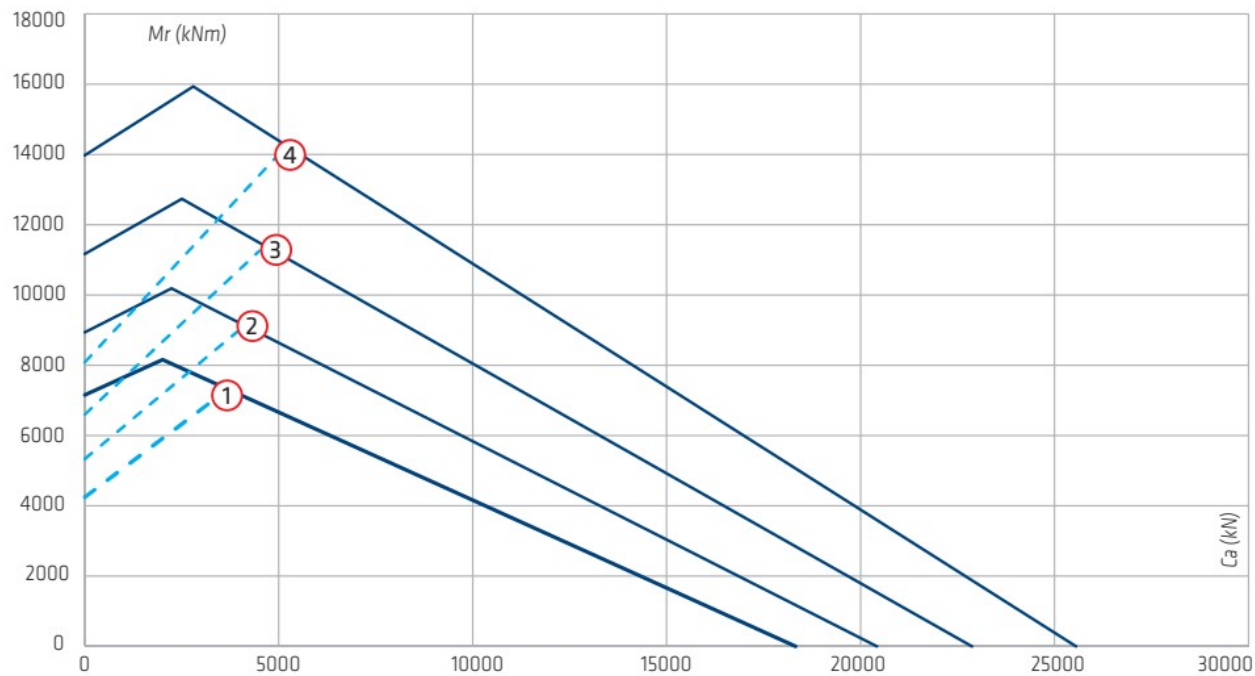
Complete Product Data

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-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

N5GEO5JF55GIITOEUICKVHAT3R

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/vr301i00/>

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