

Factory-Verified Replacement

MERYDOM VE150A01

Certified for interchange with La Leonessa VE150A01. 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

VE150A01

SERIES

1SE Series

OVERALL OD

1,508 mm

OVERALL HEIGHT

75 mm

REFERENCE

La Leonessa VE150A01

STRUCTURE

Sfere a quattro punti di contatto

OVERALL ID

1,276 mm

GEAR

Dentatura esterna

Published Technical Drawing



la-leonessa-1se-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	VE150A01
Certified interchangeable with	La Leonessa VE150A01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CPYUKDHUV6V2MWTW36VNMSTDZX
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	1SE Series
Reference model	VE150A01
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Mass (P)	195 kg
Overall outside diameter (De)	1.508 mm
Overall inside diameter (Di)	1.276 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)	75 mm
Dim Dr (Dr)	1.365 mm
MOUNTING	
Outer ring bolt circle (Ie)	1.419 mm
Outer ring mounting-hole count (ne)	30
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	1.311 mm
Inner ring mounting-hole count (ni)	30
Inner ring mounting-hole specification (Mi)	M16
GEAR	
Gear module (m)	10 mm
Gear tooth count (z)	148
Addendum modification product x^*m (xm)	5 mm
Liebherr catalogue gear dimension k^*m (km)	1 mm
Gear pitch diameter (Dp)	1.490 mm
Gear Tooth Height (Hd)	66,3 mm
PERFORMANCE	
Basic static axial load rating (C0a)	4.050 kN
Static tilting moment rating (M0r)	1.388 kNm
Normal tooth force (Fnom)	76 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fmax)	152 kN
MISCELLANEOUS	
Pattern (Schema)	D
PERFORMANCE RATINGS	
Rating Axial Static	4.050 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	1.388 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	76 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	152 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	30 holes - 30; M16
Inner ring mounting	30 holes - 30; M16
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	148
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-EXTERNAL-GEAR-CATALOG-2017
Source file	SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.pdf
PDF page	12
Printed page	12
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-1se-static_load_curve.webp SHA-256: 62bcb1797791d738ca65eca2203a02e0957321a0ae736fda2a8e171090a981e9
Outline Drawing	la-leonessa-1se-drawing.webp SHA-256: 9def12f376fbd9bc222f66ab0503412bd5a475fdfe624e4dbfe0ca549ea4d61f

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-1se-static_load_curve.webp | SHA-256:
62bcb1797791d738ca65eca2203a02e0957321a0ae736fda2a8e171090a981e9

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

CPYUKDHUV6V2MWTW36VNMSTDZX

SOURCE FILE

SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.
pdf

VERIFICATION

Level 3 - MERYDOM Engineering
Verified

SOURCE DOCUMENT

LA-LEONESSA-EXTERNAL-GEAR-CATALOG-20
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SOURCE LOCATION

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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/ve150a01/>

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