

Factory-Verified Replacement

MERYDOM VE086B03

Certified for interchange with La Leonessa VE086B03. 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

VE086B03

SERIES

2SE Series

OVERALL OD

864 mm

OVERALL HEIGHT

92 mm

REFERENCE

La Leonessa VE086B03

STRUCTURE

Rolamento de esferas de duas
carreiras

OVERALL ID

670 mm

GEAR

Engrenagem externa

Published Technical Drawing



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	VE086B03
Certified interchangeable with	La Leonessa VE086B03
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	6TQD465IUJS4QYIBTC5BJ6QAQD
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	2SE Series
Reference model	VE086B03
Bearing structure	Rolamento de esferas de duas carreiras
Gear arrangement	Engrenagem externa
DIMENSION	
Mass (P)	110 kg
Overall outside diameter (De)	864 mm
Overall inside diameter (Di)	670 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	92 mm
Dim Dr (Dr)	751 mm
Dim Centering External (Ce)	833 0/-0,3 mm
MOUNTING	
Outer ring bolt circle (Ie)	800 mm
Outer ring mounting-hole count (ne)	24
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	706 mm
Inner ring mounting-hole count (ni)	24
Inner ring mounting-hole specification (Mi)	M16
GEAR	
Gear module (m)	6 mm
Gear tooth count (z)	142
Gear pitch diameter (Dp)	852 mm
Gear Tooth Height (Hd)	76 mm
PERFORMANCE	
Basic static axial load rating (C0a)	2.070 kN
Static tilting moment rating (M0r)	354 kNm
Normal tooth force (Fnom)	40 kN
Maximum tooth force (Fmax)	80 kN

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MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	2.070 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	354 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	40 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	80 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - 24; M16
Inner ring mounting	24 holes - 24; M16
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	142
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-EXTERNAL-GEAR-CATALOG-2017
Source file	SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.pdf
PDF page	8
Printed page	8
Source language	EN
Original unit system	Metric

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.

PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-2se-static_load_curve.webp SHA-256: 0056d7fd4ded2922ffa0000f4b2784841e0dbba7de039b531b9334852625cba1
Outline Drawing	la-leonessa-2se-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-2se-static_load_curve.webp | SHA-256:
0056d7fd4ded2922ffa0000f4b2784841e0dbba7de039b531b9334852625cba1

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 6TQD465IUJS4QYIBTC5BJ6QAQD	SOURCE DOCUMENT LA-LEONESSA-EXTERNAL-GEAR-CATALOG-2017
SOURCE FILE SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.pdf	SOURCE LOCATION PDF page 8 Printed page 8
VERIFICATION Level 3 - MERYDOM Engineering Verified	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/ve086b03/>

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