Factory-Verified Replacement

MERYDOM VE209B00

Certified for interchange with La Leonessa VE209B00. 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
VE209B00

REFERENCE
La Leonessa VE209B00

SERIES
2SE Series

STRUCTURE
Double-row ball

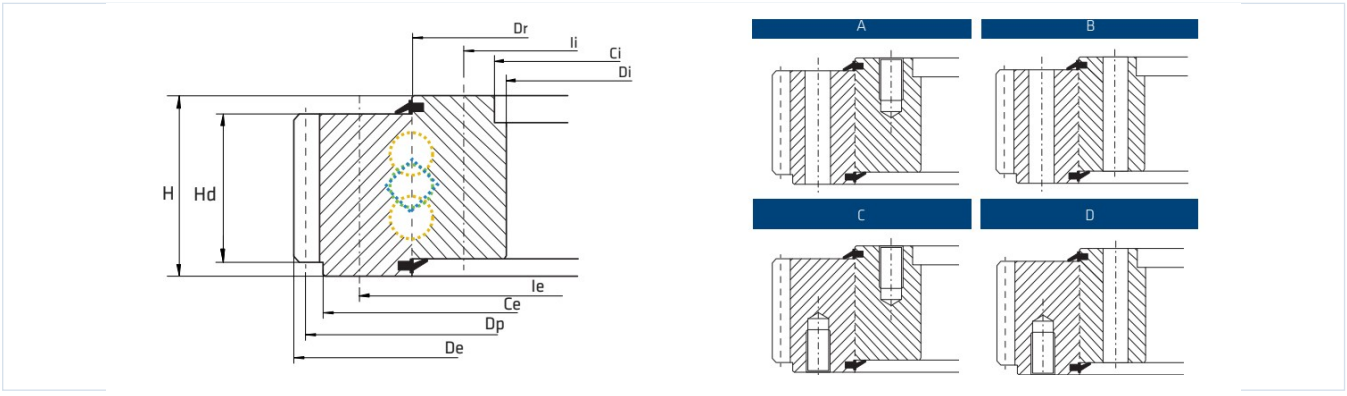
OVERALL OD
2,094 mm

OVERALL ID
1,595 mm

OVERALL HEIGHT
224 mm

GEAR
External gear

Published Technical Drawing



la-leonessa-2se-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	VE209B00
Certified interchangeable with	La Leonessa VE209B00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	PTQEJA3JPDYUGYBEWQNEYPR3EP
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	VE209B00
Bearing structure	Double-row ball
Gear arrangement	External gear
DIMENSION	
Mass (P)	1,945 kg
Overall outside diameter (De)	2,094 mm
Overall inside diameter (Di)	1,595 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)	224 mm
Dim Dr (Dr)	1,815.5 mm
MOUNTING	
Outer ring bolt circle (Ie)	1,947 mm
Outer ring mounting-hole count (ne)	96
Outer ring mounting-hole specification (Me)	M30
Inner ring bolt circle (Ii)	1,684 mm
Inner ring mounting-hole count (ni)	96
Inner ring mounting-hole specification (Mi)	M30
GEAR	
Gear module (m)	16 mm
Gear tooth count (z)	128
Addendum modification product x*m (xm)	8 mm
Liebherr catalogue gear dimension k*m (km)	1 mm
Gear pitch diameter (Dp)	2,064 mm
Gear Tooth Height (Hd)	119 mm
Gear Hardening Indicator (Tempra)	
PERFORMANCE	
Basic static axial load rating (C0a)	22,080 kN
Static tilting moment rating (M0r)	10,554 kNm

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)	273 kN
Maximum tooth force (Fmax)	546 kN
MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	22,080 kN | Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	10,554 kNm | Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	273 kN | Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	546 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	96 holes - 96; M30
Inner ring mounting	96 holes - 96; M30
GEAR INTERFACE	
Pitch system	module
Module reference	16 mm
Number of teeth	128
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

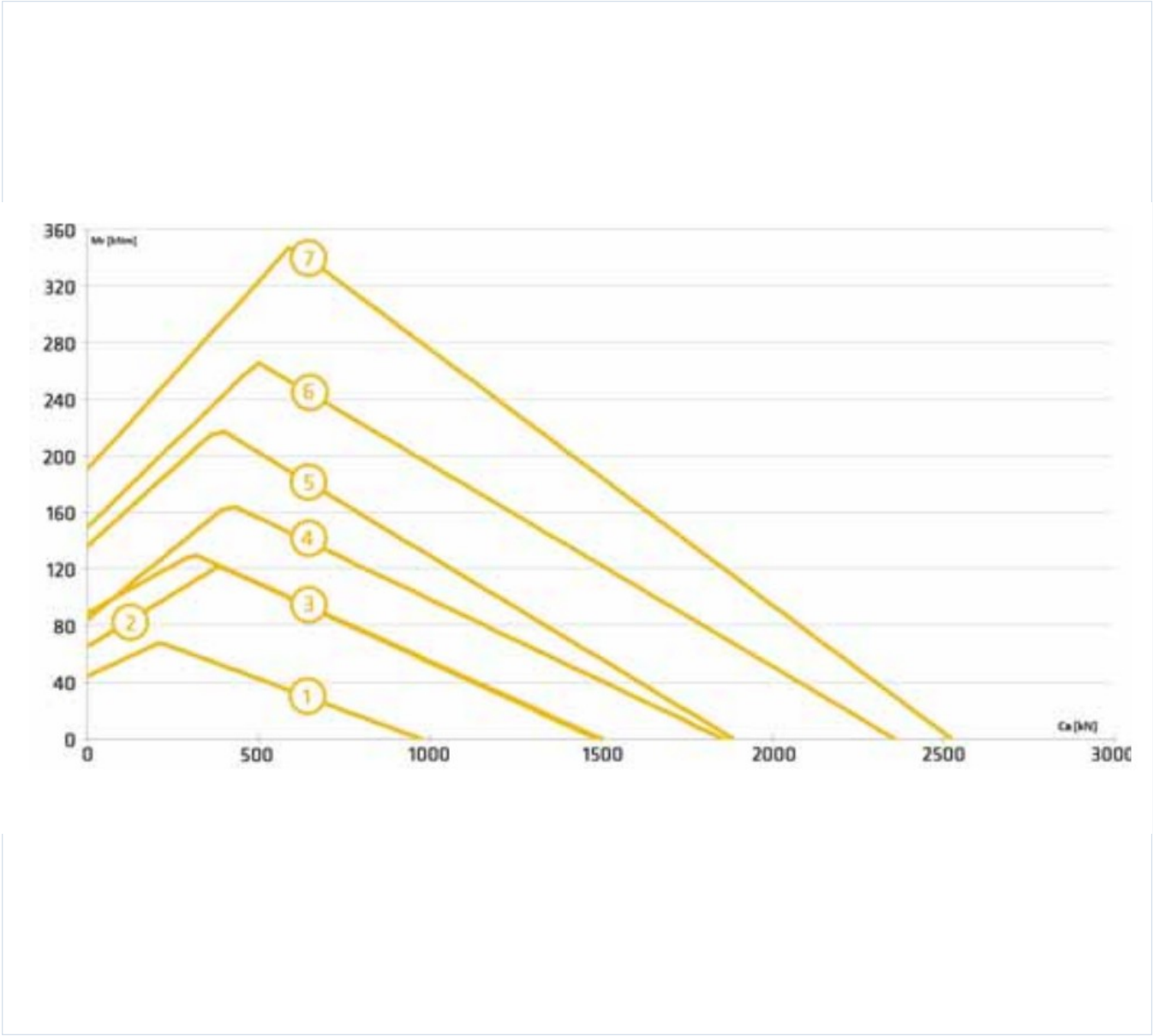
Complete Product Data

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)	
Source language	EN
Original unit system	Metric
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

PTQEJA3JPDYUGYBEWQNEYPR3EP

SOURCE DOCUMENT

LA-LEONESSA-EXTERNAL-GEAR-CATALOG-2017

SOURCE FILE

SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.pdf

SOURCE LOCATION

PDF page 12 | Printed page 12

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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: https://rotnex.com/products/slewing-bearing-replacements/la-leonessa/ve209b00/