

Factory-Verified Replacement

MERYDOM VI230B00

Certified for interchange with La Leonessa VI230B00. 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

VI230B00

SERIES

2SI Series

OVERALL OD

2,300 mm

OVERALL HEIGHT

144 mm

REFERENCE

La Leonessa VI230B00

STRUCTURE

Double-row ball

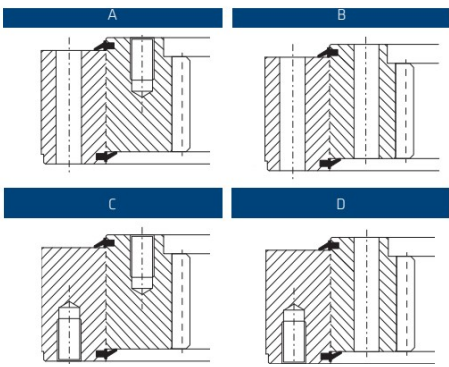
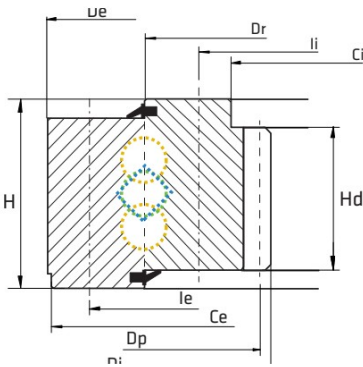
OVERALL ID

1,877 mm

GEAR

Internal gear

Published Technical Drawing



la-leonessa-2si-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	VI230B00
Certified interchangeable with	La Leonessa VI230B00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	PVDWGURHN3CEFUK5ZSNNOBDMZD
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	2SI Series
Reference model	VI230B00
Bearing structure	Double-row ball
Gear arrangement	Internal gear
DIMENSION	
Mass (P)	1,200 kg
Overall outside diameter (De)	2,300 mm
Overall inside diameter (Di)	1,877 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	144 mm
Dim Dr (Dr)	2,135.5 mm
MOUNTING	
Outer ring bolt circle (Ie)	2,240 mm
Outer ring mounting-hole count (ne)	80
Outer ring mounting-hole specification (Me)	M30
Inner ring bolt circle (Ii)	2,030 mm
Inner ring mounting-hole count (ni)	80
Inner ring mounting-hole specification (Mi)	M30
GEAR	
Gear module (m)	18 mm
Gear tooth count (z)	105
Addendum modification product x^*m (xm)	10 mm
Liebherr catalogue gear dimension k^*m (km)	1.5 mm
Gear pitch diameter (Dp)	1,910 mm
Gear Tooth Height (Hd)	134 mm
PERFORMANCE	
Basic static axial load rating (C0a)	15,470 kN
Static tilting moment rating (M0r)	8,862 kNm
Normal tooth force (Fnom)	275 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fmax)	550 kN
MISCELLANEOUS	
Pattern (Schema)	A
PERFORMANCE RATINGS	
Rating Axial Static	15,470 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	8,862 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	275 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	550 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	80 holes - 80; M30
Inner ring mounting	80 holes - 80; M30
GEAR INTERFACE	
Pitch system	module
Module reference	18 mm
Number of teeth	105
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017
Source file	SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf
PDF page	12
Printed page	12
Source language	EN

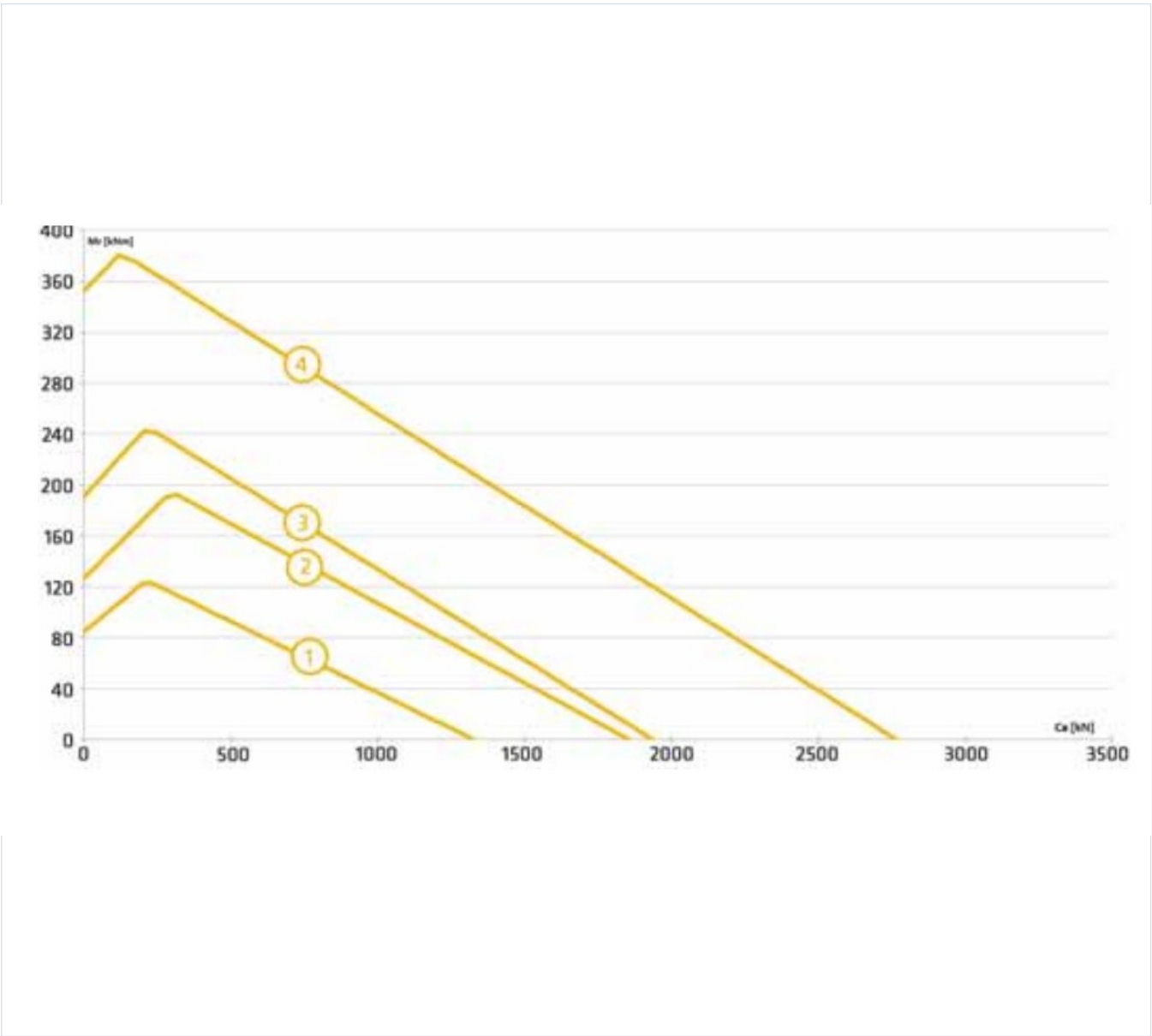
Complete Product Data

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-2si-static_load_curve.webp SHA-256: 2d07d5007c414f54f7e8476084d020a30af3af05a960e7f690827754e00574cb
Outline Drawing	la-leonessa-2si-drawing.webp SHA-256: 3c0269351f1480df2b4130d7fb5c79552a0896a4f557467d7b138da54c54c490

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-2si-static_load_curve.webp | SHA-256:
2d07d5007c414f54f7e8476084d020a30af3af05a960e7f690827754e00574cb

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 PVDWGURHN3CEFUK5ZSNNOBDMZD	SOURCE DOCUMENT LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017
SOURCE FILE SLEWING-BEARINGS-WITH-INTERNAL-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/vi230b00/>

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