

Factory-Verified Replacement

MERYDOM VI178B01

Certified for interchange with La Leonessa VI178B01. 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

VI178B01

SERIES

2SI Series

OVERALL OD

1,780 mm

OVERALL HEIGHT

144 mm

REFERENCE

La Leonessa VI178B01

STRUCTURE

Double-row ball

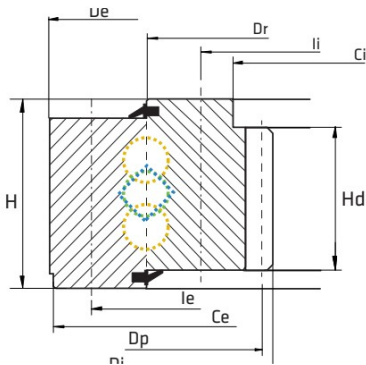
OVERALL ID

1,382 mm

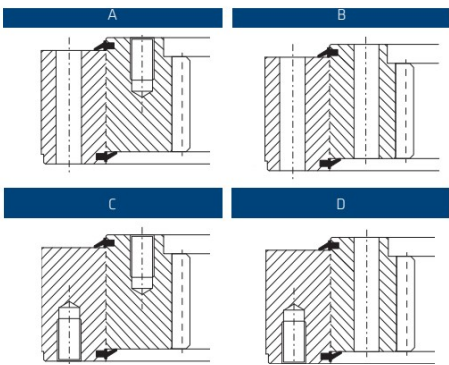
GEAR

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	VI178B01
Certified interchangeable with	La Leonessa VI178B01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	3QWKZ52LAB2ZLF3BOON34DS32D
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	VI178B01
Bearing structure	Double-row ball
Gear arrangement	Internal gear
DIMENSION	
Mass (P)	848 kg
Overall outside diameter (De)	1,780 mm
Overall inside diameter (Di)	1,382 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	144 mm
Dim Dr (Dr)	1,604.5 mm
MOUNTING	
Outer ring bolt circle (Ie)	1,710 mm
Outer ring mounting-hole count (ne)	48
Outer ring mounting-hole specification (Me)	M30
Inner ring bolt circle (Ii)	1,500 mm
Inner ring mounting-hole count (ni)	48
Inner ring mounting-hole specification (Mi)	M30
GEAR	
Gear module (m)	12 mm
Gear tooth count (z)	117
Liebherr catalogue gear dimension k*m (km)	1 mm
Gear pitch diameter (Dp)	1,404 mm
Gear Tooth Height (Hd)	134 mm
Gear Hardening Indicator (Tempa)	
PERFORMANCE	
Basic static axial load rating (C0a)	11,220 kN
Static tilting moment rating (M0r)	4,120 kNm
Normal tooth force (Fnom)	213 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fmax)	426 kN
MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	11,220 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	4,120 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	213 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	426 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	48 holes - 48; M30
Inner ring mounting	48 holes - 48; M30
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	117
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

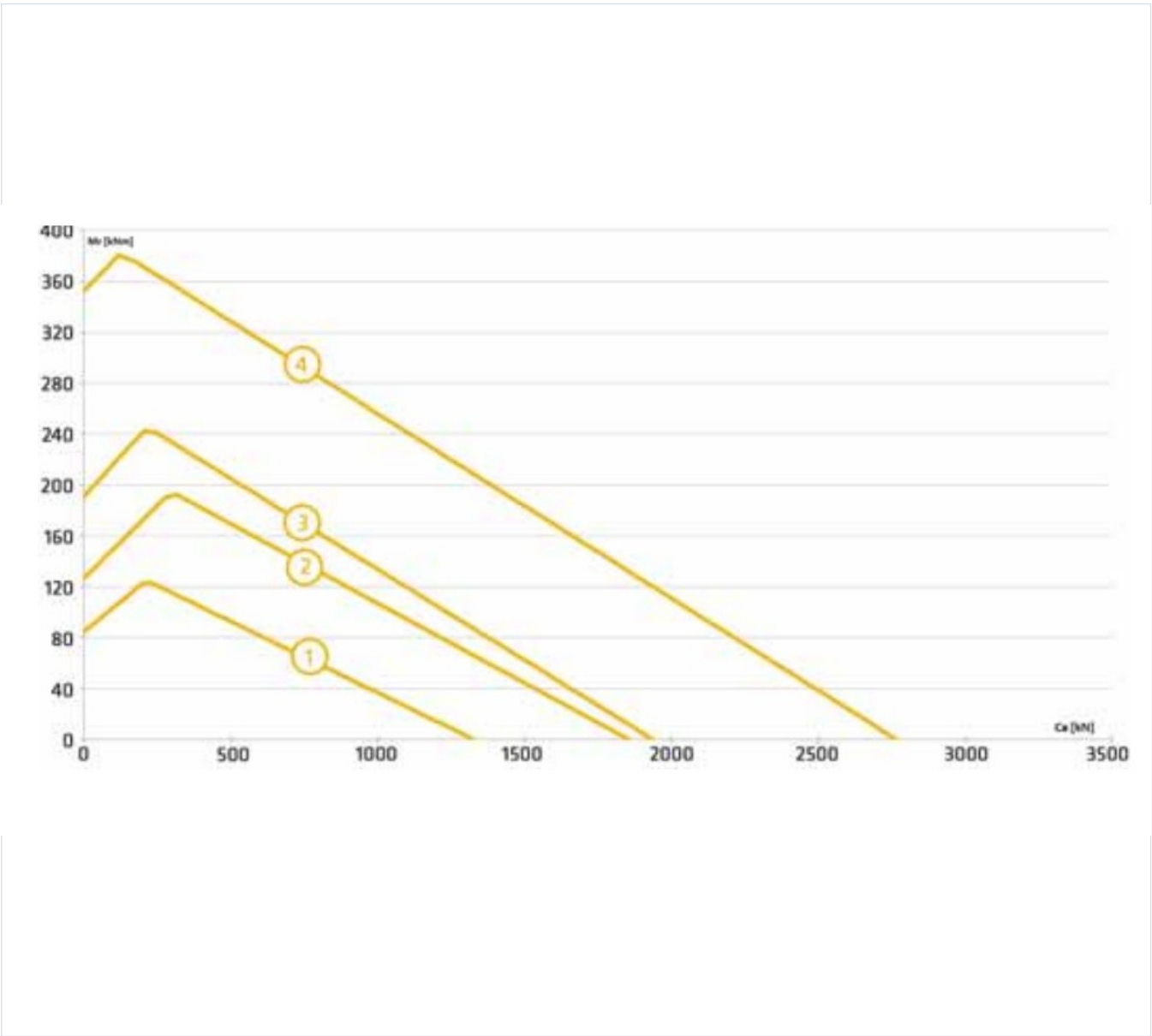
Complete Product Data

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: 2d07d5007c414f54f7e8476084d020a30af3af05a960e7f690827754e0 0574cb
Outline Drawing	la-leonessa-2si-drawing.webp SHA-256: 3c0269351f1480df2b4130d7fb5c79552a0896a4f557467d7b138da54c 54c490

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 3QWKZ52LAB2ZLF3BOON34DS32D	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/vi178b01/>

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