

Factory-Verified Replacement

MERYDOM VI053A00

Certified for interchange with La Leonessa VI053A00. 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

VI053A00

SERIES

1SI Series

OVERALL OD

535 mm

OVERALL HEIGHT

50 mm

REFERENCE

La Leonessa VI053A00

STRUCTURE

Esferas de contato de quatro pontos

OVERALL ID

374 mm

GEAR

Engrenagem interna

Published Technical Drawing



la-leonessa-1si-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	VI053A00
Certified interchangeable with	La Leonessa VI053A00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	3D6MNSYJAPGIDVTFEMLBJUBAEI
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	1SI Series
Reference model	VI053A00
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (P)	34 kg
Overall outside diameter (De)	535 mm
Overall inside diameter (Di)	374 mm

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DIMENSION (CONTINUED)	
Overall height (H)	50 mm
Dim Dr (Dr)	464 mm
MOUNTING	
Outer ring bolt circle (Ie)	510 mm
Outer ring mounting-hole count (ne)	24
Outer ring mounting-hole specification (Me)	M12
Inner ring bolt circle (Ii)	420 mm
Inner ring mounting-hole count (ni)	24
Inner ring mounting-hole specification (Mi)	M12
GEAR	
Gear module (m)	6 mm
Gear tooth count (z)	63
Addendum modification product x*m (xm)	3 mm
Liebherr catalogue gear dimension k*m (km)	1 mm
Gear pitch diameter (Dp)	384 mm
Gear Tooth Height (Hd)	45 mm
PERFORMANCE	
Basic static axial load rating (C0a)	1.240 kN
Static tilting moment rating (M0r)	126 kNm
Normal tooth force (Fnom)	22 kN

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fmax)	44 kN
MISCELLANEOUS	
Pattern (Schema)	A
PERFORMANCE RATINGS	
Rating Axial Static	1.240 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	126 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	22 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	44 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - 24; M12
Inner ring mounting	24 holes - 24; M12
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	63
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017
Source file	SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf
PDF page	4
Printed page	4
Source language	EN

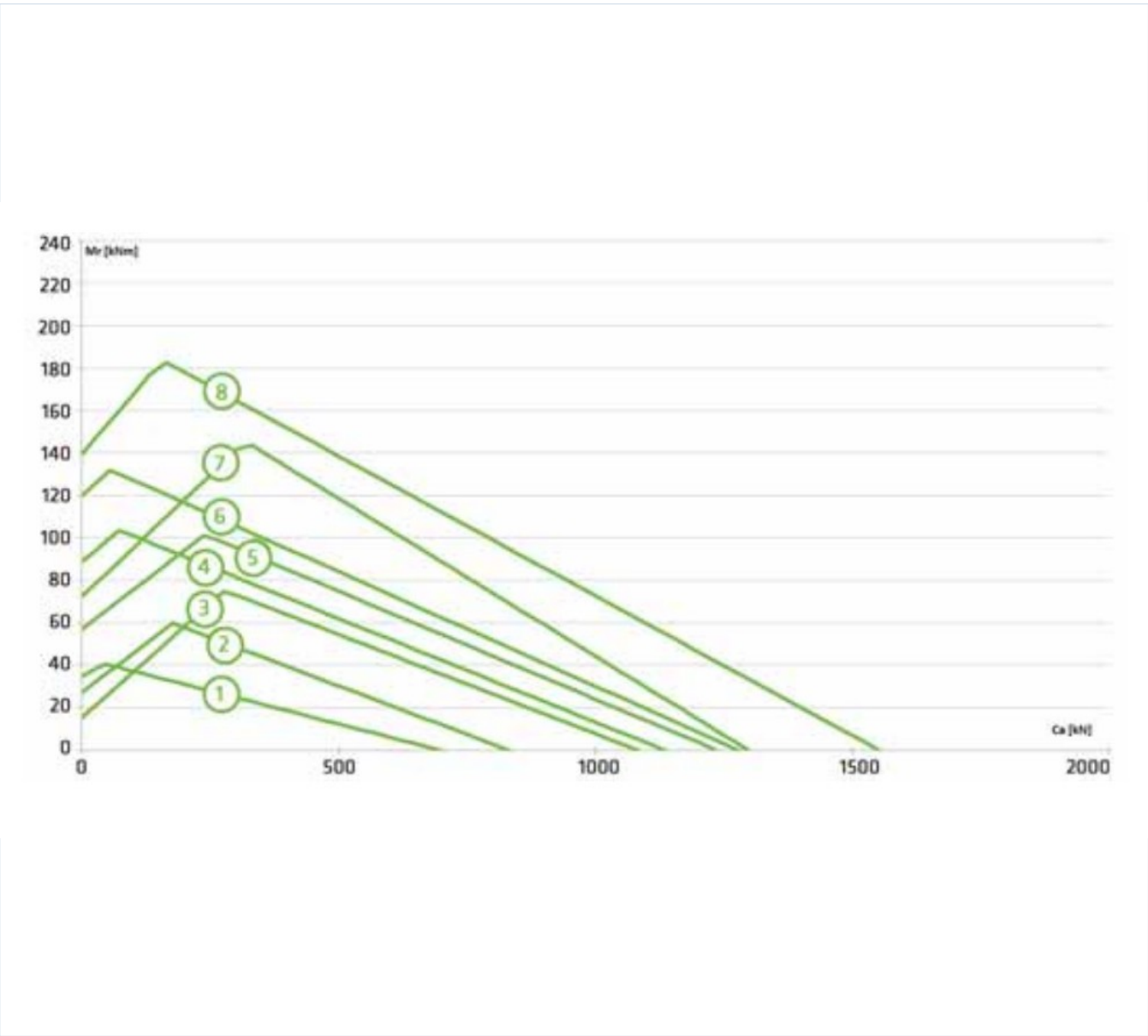
Complete Product Data

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SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-1si-static_load_curve.webp SHA-256: 0b170a48507420b5ae37a22d4354cc69ba563923e9226723d7a4253fd72d5189
Outline Drawing	la-leonessa-1si-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-1si-static_load_curve.webp | SHA-256:
0b170a48507420b5ae37a22d4354cc69ba563923e9226723d7a4253fd72d5189

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

3D6MNSYJAPGIDVTFEMLBJUBAEI

SOURCE FILE

SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf

VERIFICATION

**Level 3 - MERYDOM Engineering
Verified**

SOURCE DOCUMENT

LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017

SOURCE LOCATION

PDF page 4 | Printed page 4

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/pt/produtos/rolamentos-de-giro-de-substituicao/la-leonessa/vi053a00/>

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