

Factory-Verified Replacement

MERYDOM VI057A14

Certified for interchange with La Leonessa VI057A14. 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

VI057A14

SERIES

1SI Series

OVERALL OD

570 mm

OVERALL HEIGHT

63 mm

REFERENCE

La Leonessa VI057A14

STRUCTURE

Esferas de contato de quatro pontos

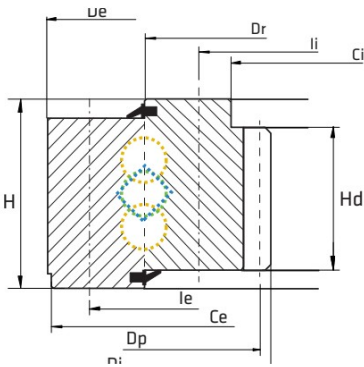
OVERALL ID

378 mm

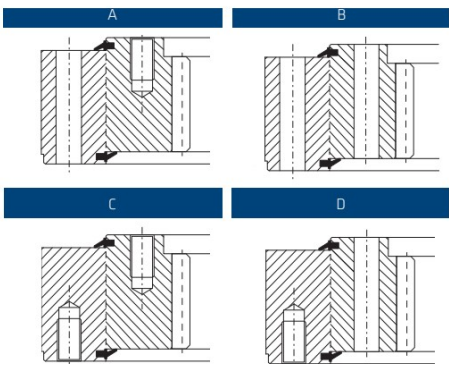
GEAR

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	VI057A14
Certified interchangeable with	La Leonessa VI057A14
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	74R2GXGRBIJIELVSY7SJWXTZ3A
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	VI057A14
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (P)	48 kg
Overall outside diameter (De)	570 mm
Overall inside diameter (Di)	378 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	63 mm
Dim Dr (Dr)	488 mm
Dim Centering Internal (Ci)	410 +0,3/0 mm
MOUNTING	
Outer ring bolt circle (Ie)	540 mm
Outer ring mounting-hole count (ne)	18
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	436 mm
Inner ring mounting-hole count (ni)	18
Inner ring mounting-hole specification (Mi)	M16
GEAR	
Gear module (m)	6 mm
Gear tooth count (z)	65
Gear pitch diameter (Dp)	390 mm
Gear Tooth Height (Hd)	49 mm
PERFORMANCE	
Basic static axial load rating (C0a)	1.130 kN
Static tilting moment rating (M0r)	111 kNm
Normal tooth force (Fnom)	21 kN
Maximum tooth force (Fmax)	42 kN

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MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	1.130 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	111 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	21 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	42 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	18 holes - 18; M16
Inner ring mounting	18 holes - 18; M16
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	65
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
Original unit system	Metric

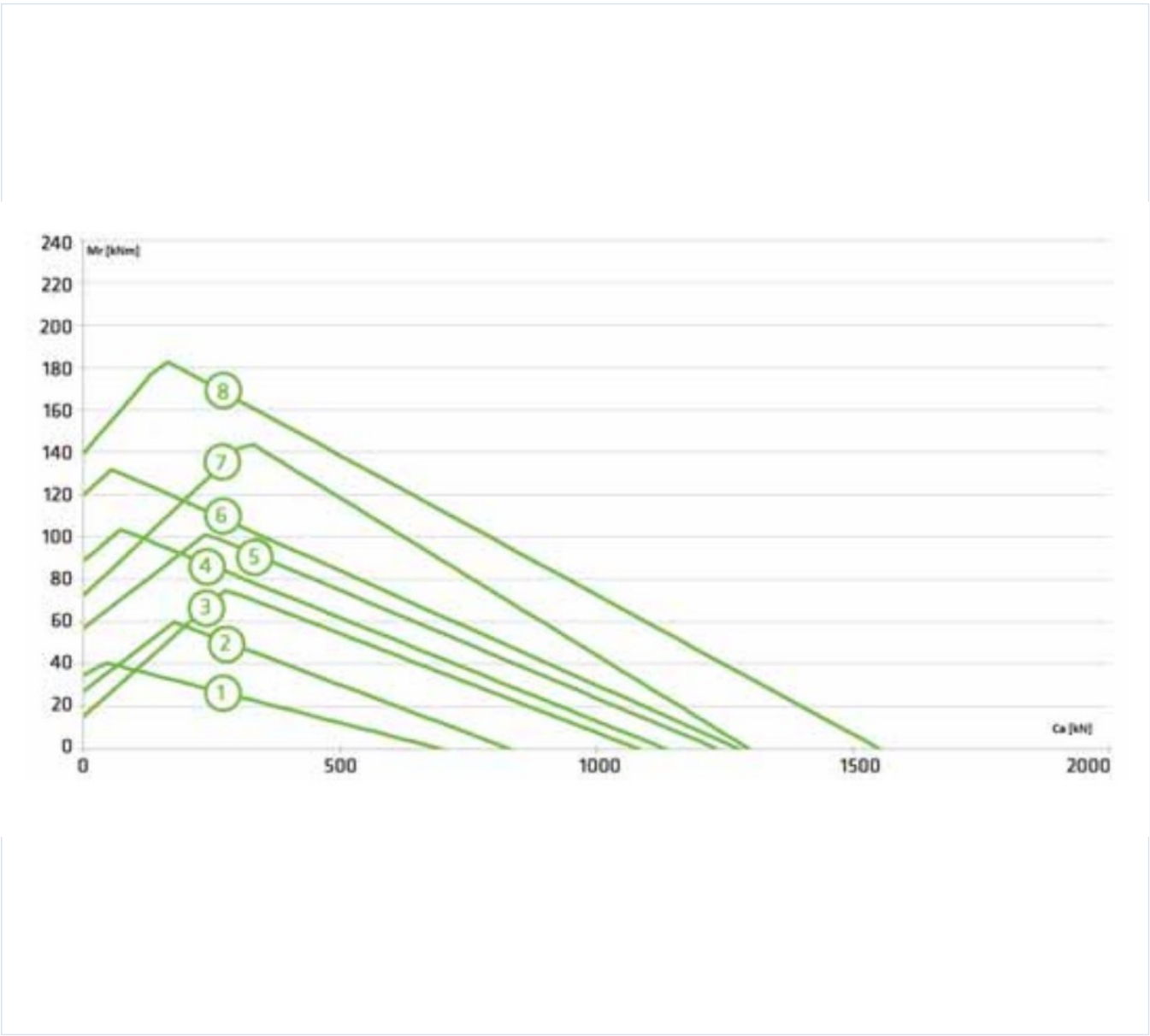
Complete Product Data

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-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

74R2GXGRBIJIELVSY7SJWXTZ3A

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/vi057a14/>

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