

Factory-Verified Replacement

MERYDOM VI053A05

Certified for interchange with La Leonessa VI053A05. 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

VI053A05

SERIES

1SI Series

OVERALL OD

535 mm

OVERALL HEIGHT

50 mm

REFERENCE

La Leonessa VI053A05

STRUCTURE

Sfere a quattro punti di contatto

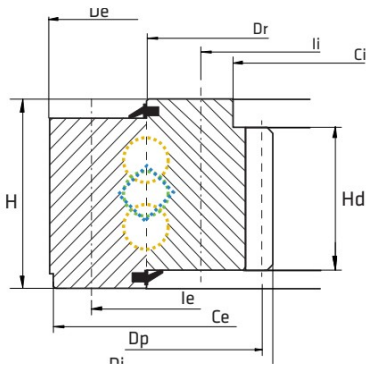
OVERALL ID

380 mm

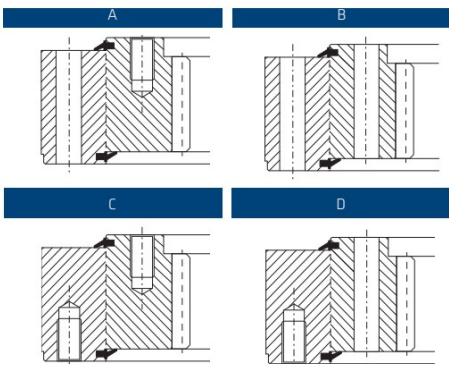
GEAR

Dentatura 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	VI053A05
Certified interchangeable with	La Leonessa VI053A05
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	UFACDJMCCOFDCAOQOCXSKDBJNS
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	VI053A05
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura interna
DIMENSION	
Mass (P)	34 kg
Overall outside diameter (De)	535 mm
Overall inside diameter (Di)	380 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	50 mm
Dim Dr (Dr)	464 mm
MOUNTING	
Outer ring bolt circle (Ie)	514 mm
Outer ring mounting-hole count (ne)	6
Outer ring mounting-hole specification (Me)	M12
Inner ring bolt circle (Ii)	416 mm
Inner ring mounting-hole count (ni)	6
Inner ring mounting-hole specification (Mi)	M12
GEAR	
Gear module (m)	4 mm
Gear tooth count (z)	96
Addendum modification product x*m (xm)	1,5 mm
Gear pitch diameter (Dp)	387 mm
Gear Tooth Height (Hd)	40 mm
PERFORMANCE	
Basic static axial load rating (C0a)	1.080 kN
Static tilting moment rating (M0r)	101 kNm
Normal tooth force (Fnom)	13 kN
Maximum tooth force (Fmax)	26 kN

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MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	1.080 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	101 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	13 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	26 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	6 holes - 6; M12
Inner ring mounting	6 holes - 6; M12
GEAR INTERFACE	
Pitch system	module
Module reference	4 mm
Number of teeth	96
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

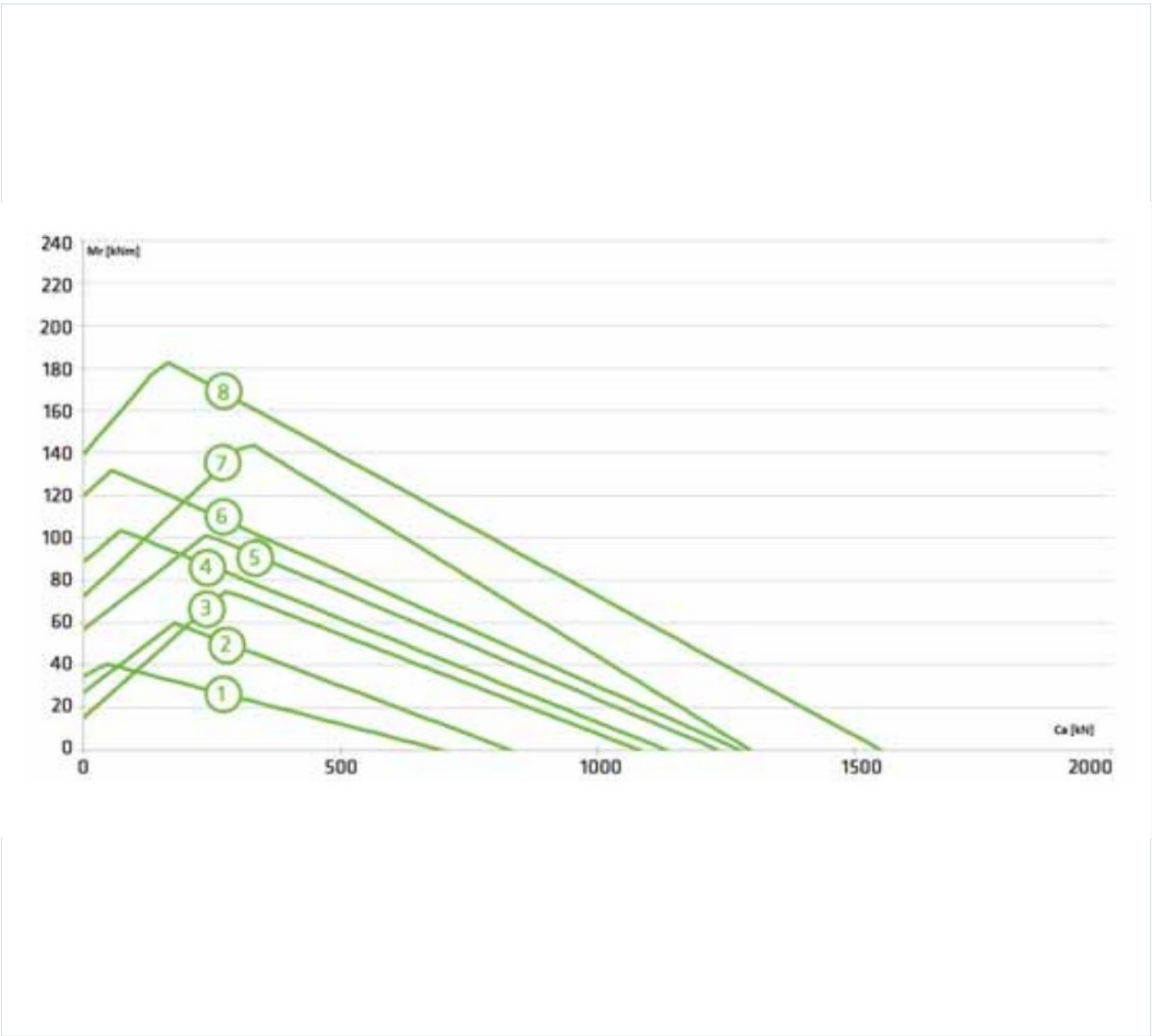
Complete Product Data

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

UFACDJMCCOFDCAOQCXSKDBJNS

SOURCE FILE

SLEWING-BEARINGS-WITH-INTERNAL-GEAR.
pdf

VERIFICATION

Level 3 - MERYDOM Engineering
Verified

SOURCE DOCUMENT

LA-LEONESSA-INTERNAL-GEAR-CATALOG-20
17

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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/la-leonessa/vi053a05/>

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