

Factory-Verified Replacement

MERYDOM VI045A09

Certified for interchange with La Leonessa VI045A09. 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

VI045A09

SERIES

1SI Series

OVERALL OD

458 mm

OVERALL HEIGHT

37 mm

REFERENCE

La Leonessa VI045A09

STRUCTURE

Esferas de contato de quatro pontos

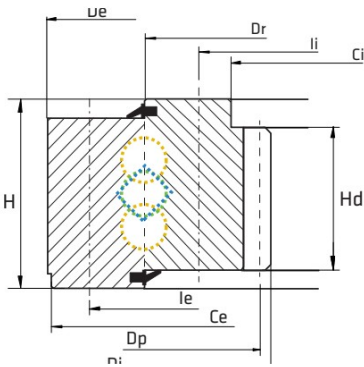
OVERALL ID

324 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	VI045A09
Certified interchangeable with	La Leonessa VI045A09
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	NH6P67ZWKLL67KSO4AMF4LYEZJ
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	VI045A09
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem interna
DIMENSION	
Mass (P)	19 kg
Overall outside diameter (De)	458 mm
Overall inside diameter (Di)	324 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	37 mm
Dim Dr (Dr)	400 mm
MOUNTING	
Outer ring bolt circle (Ie)	438 mm
Outer ring mounting-hole count (ne)	16
Outer ring mounting-hole specification (Me)	M10
Inner ring bolt circle (Ii)	362 mm
Inner ring mounting-hole count (ni)	18
Inner ring mounting-hole specification (Mi)	M10
GEAR	
Gear module (m)	3 mm
Gear tooth count (z)	110
Gear pitch diameter (Dp)	330 mm
Gear Tooth Height (Hd)	31,5 mm
Gear Hardening Indicator (Temptra)	
PERFORMANCE	
Basic static axial load rating (C0a)	830 kN
Static tilting moment rating (M0r)	76 kNm
Normal tooth force (Fnom)	8 kN
Maximum tooth force (Fmax)	16 kN

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MISCELLANEOUS	
Pattern (Schema)	D
PERFORMANCE RATINGS	
Rating Axial Static	830 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	76 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	8 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	16 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	16 holes - 16; M10
Inner ring mounting	18 holes - 18; M10
GEAR INTERFACE	
Pitch system	module
Module reference	3 mm
Number of teeth	110
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

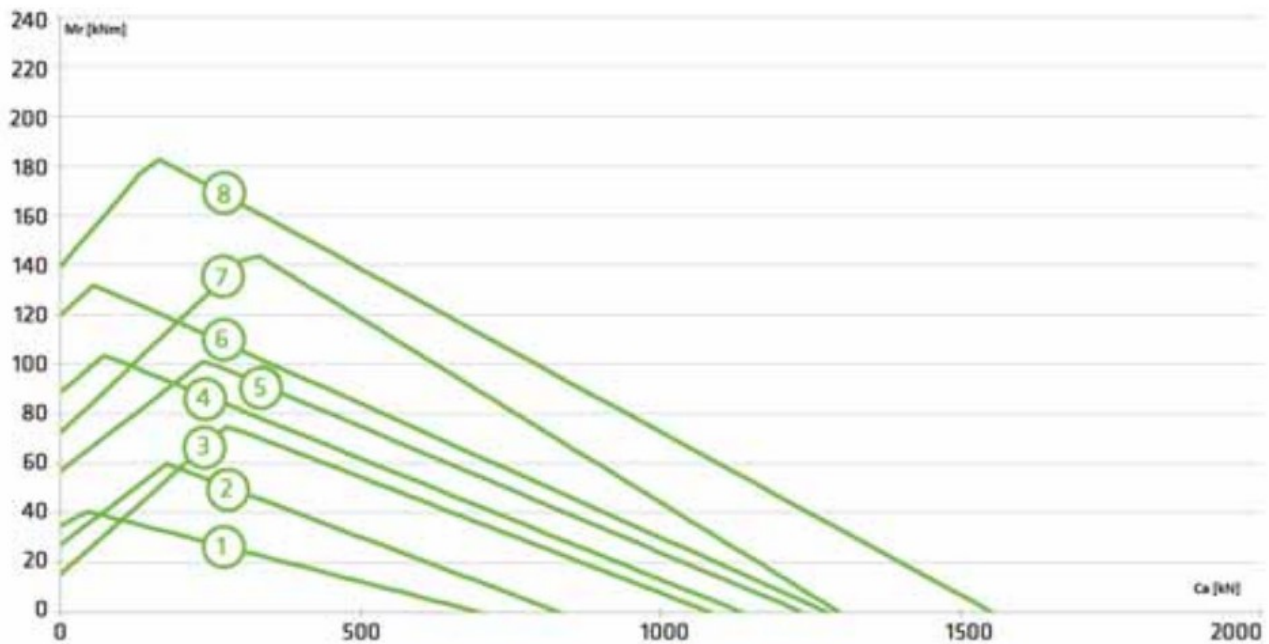
Complete Product Data

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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

NH6P67ZWKLL67KSO4AMF4LYEZJ

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/pt/produtos/rolamentos-de-giro-de-substituicao/la-leonessa/vi045a09/>

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