

Factory-Verified Replacement

MERYDOM VI153B18

Certified for interchange with La Leonessa VI153B18. 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

VI153B18

SERIES

2SI Series

OVERALL OD

1,530 mm

OVERALL HEIGHT

120 mm

REFERENCE

La Leonessa VI153B18

STRUCTURE

Cuscinetto a sfere a due corone

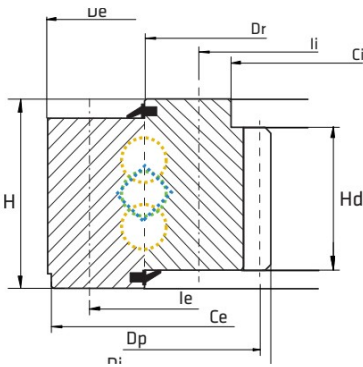
OVERALL ID

1,186 mm

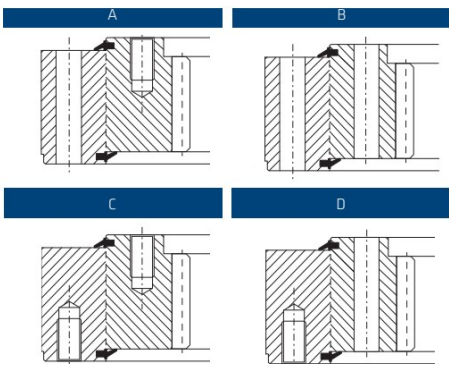
GEAR

Dentatura interna

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	VI153B18
Certified interchangeable with	La Leonessa VI153B18
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	HKLW2DURFDDNPUTRY3O4T4A7ZN
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	VI153B18
Bearing structure	Cuscinetto a sfere a due corone
Gear arrangement	Dentatura interna
DIMENSION	
Mass (P)	546 kg
Overall outside diameter (De)	1.530 mm
Overall inside diameter (Di)	1.186 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	120 mm
Dim Dr (Dr)	1.383,5 mm
MOUNTING	
Outer ring bolt circle (Ie)	1.480 mm
Outer ring mounting-hole count (ne)	36
Outer ring mounting-hole specification (Me)	M24
Inner ring bolt circle (Ii)	1.290 mm
Inner ring mounting-hole count (ni)	36
Inner ring mounting-hole specification (Mi)	M24
GEAR	
Gear module (m)	10 mm
Gear tooth count (z)	120
Addendum modification product $x \cdot m$ (xm)	3 mm
Gear pitch diameter (Dp)	1.206 mm
Gear Tooth Height (Hd)	95 mm
PERFORMANCE	
Basic static axial load rating (C0a)	6.880 kN
Static tilting moment rating (M0r)	2.184 kNm
Normal tooth force (Fnom)	109 kN
Maximum tooth force (Fmax)	218 kN

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MISCELLANEOUS	
Pattern (Schema)	C
PERFORMANCE RATINGS	
Rating Axial Static	6.880 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	2.184 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	109 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	218 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - 36; M24
Inner ring mounting	36 holes - 36; M24
GEAR INTERFACE	
Pitch system	module
Module reference	10 mm
Number of teeth	120
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
Original unit system	Metric

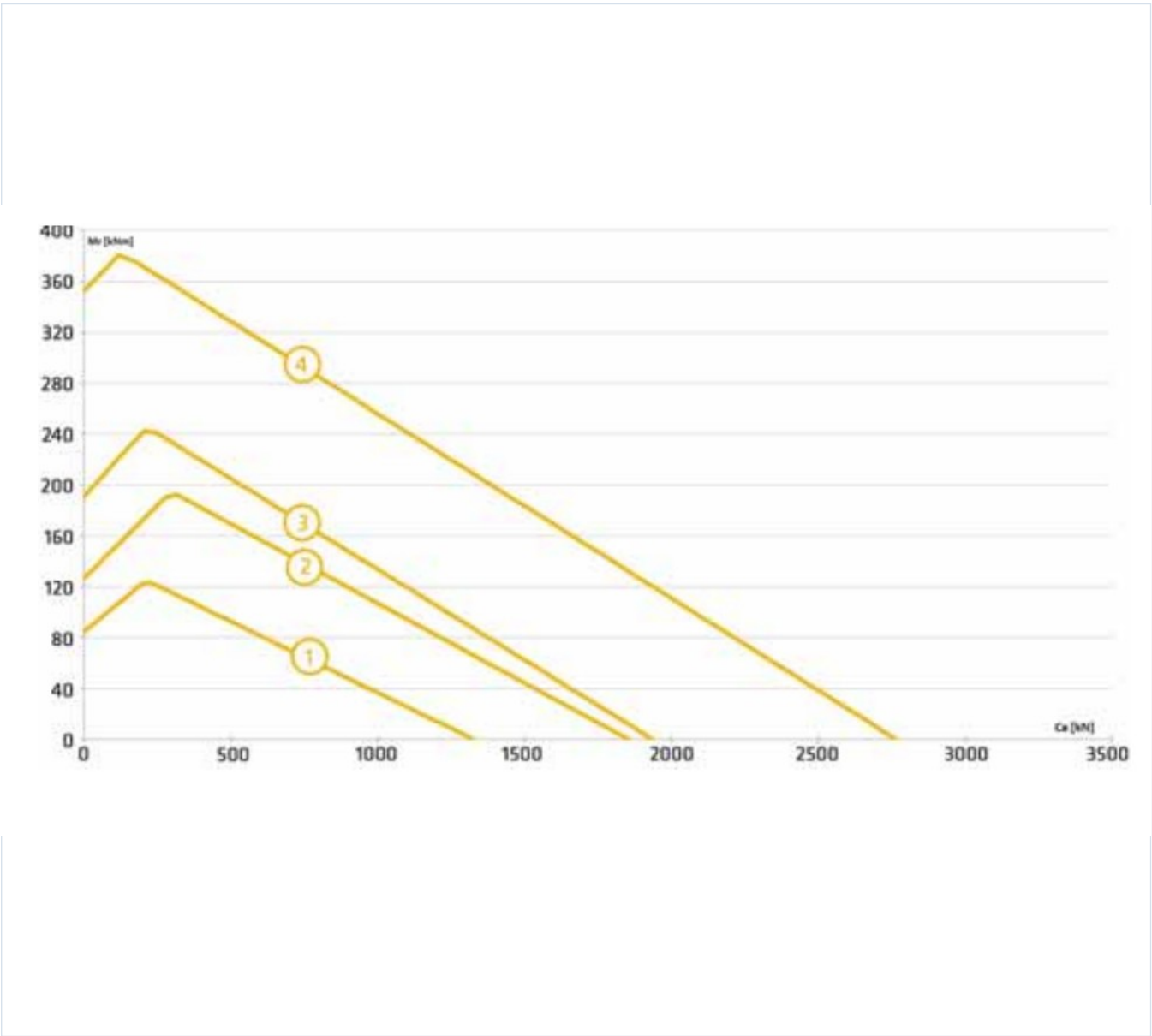
Complete Product Data

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-2si-static_load_curve.webp SHA-256: 2d07d5007c414f54f7e8476084d020a30af3af05a960e7f690827754e00574cb
Outline Drawing	la-leonessa-2si-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-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

HKLW2DURFDDNPUTRY3O4T4A7ZN

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 12 | Printed page 12

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/vi153b18/>

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