

Factory-Verified Replacement

MERYDOM VI097B06

Certified for interchange with La Leonessa VI097B06. 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

VI097B06

SERIES

2SI Series

OVERALL OD

976 mm

OVERALL HEIGHT

97 mm

REFERENCE

La Leonessa VI097B06

STRUCTURE

Cuscinetto a sfere a due corone

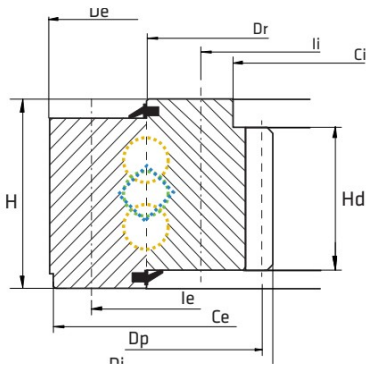
OVERALL ID

786 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	VI097B06
Certified interchangeable with	La Leonessa VI097B06
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	HT3QQUTVMWQGZVJ6ESSFFSAUSJ
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	VI097B06
Bearing structure	Cuscinetto a sfere a due corone
Gear arrangement	Dentatura interna
DIMENSION	
Mass (P)	152 kg
Overall outside diameter (De)	976 mm
Overall inside diameter (Di)	786 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	97 mm
Dim Dr (Dr)	897 mm
MOUNTING	
Outer ring bolt circle (Ie)	944 mm
Outer ring mounting-hole count (ne)	36
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	850 mm
Inner ring mounting-hole count (ni)	36
Inner ring mounting-hole specification (Mi)	M16
GEAR	
Gear module (m)	8 mm
Gear tooth count (z)	100
Liebherr catalogue gear dimension k*m (km)	1 mm
Gear pitch diameter (Dp)	800 mm
Gear Tooth Height (Hd)	80 mm
PERFORMANCE	
Basic static axial load rating (C0a)	2.980 kN
Static tilting moment rating (M0r)	770 kNm
Normal tooth force (Fnom)	56 kN
Maximum tooth force (Fmax)	112 kN

Complete Product Data

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MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	2.980 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	770 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	56 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	112 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - 36; M16
Inner ring mounting	36 holes - 36; M16
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	100
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017
Source file	SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf
PDF page	8
Printed page	8
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

HT3QQUTVMWQGZVJ6ESSFFSAUSJ

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 8 | Printed page 8

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/vi097b06/>

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