

Factory-Verified Replacement

MERYDOM VI049UE00

Certified for interchange with La Leonessa VI049UE00. 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

VI049UE00

SERIES

U_INTERNAL Series

OVERALL OD

498 mm

OVERALL HEIGHT

82 mm

REFERENCE

La Leonessa VI049UE00

STRUCTURE

Flanged Four Point Contact Ball

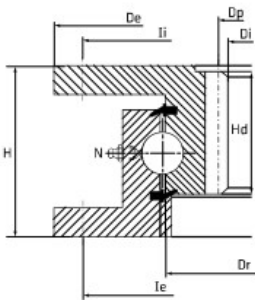
OVERALL ID

331 mm

GEAR

Internal gear

Published Technical Drawing



la-leonessa-u-internal-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	VI049UE00
Certified interchangeable with	La Leonessa VI049UE00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	BPLQFWZMF7SQ3UX2YSCBXEJ7GM
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	U_INTERNAL Series
Reference model	VI049UE00
Bearing structure	Flanged Four Point Contact Ball
Gear arrangement	Internal gear
DIMENSION	
Mass (P)	38 kg
Overall outside diameter (De)	498 mm
Overall inside diameter (Di)	331 mm

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.

DIMENSION (CONTINUED)	
Overall height (H)	82 mm
Dim Dr (Dr)	392 mm
MOUNTING	
Outer ring bolt circle (Ie)	470 mm
Outer ring mounting-hole count (ne)	16
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	470 mm
Inner ring mounting-hole count (ni)	16
Inner ring mounting-hole specification (Mi)	M16
GEAR	
Gear module (m)	5 mm
Gear tooth count (z)	68
Liebherr catalogue gear dimension k*m (km)	0.5 mm
Gear pitch diameter (Dp)	340 mm
Gear Tooth Height (Hd)	59 mm
PERFORMANCE	
Basic static axial load rating (C0a)	300 kN
Static tilting moment rating (M0r)	31 kNm
Normal tooth force (Fnom)	11.3 kN
Maximum tooth force (Fmax)	22.6 kN

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.

PERFORMANCE RATINGS	
Rating Axial Static	300 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	31 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	11.3 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	22.6 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	16 holes - 16; M16
Inner ring mounting	16 holes - 16; M16
GEAR INTERFACE	
Pitch system	module
Module reference	5 mm
Number of teeth	68
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-FLANGED-SLEWING-BEARINGS-CATALOG-2013
Source file	Catalogo_flangiati.pdf
PDF page	4
Printed page	4
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-u-internal-static_load_curve.webp SHA-256: 0553d34f9cf6ecace85df68d0da0df4223dbed9c99adc6912336f77a690667e1

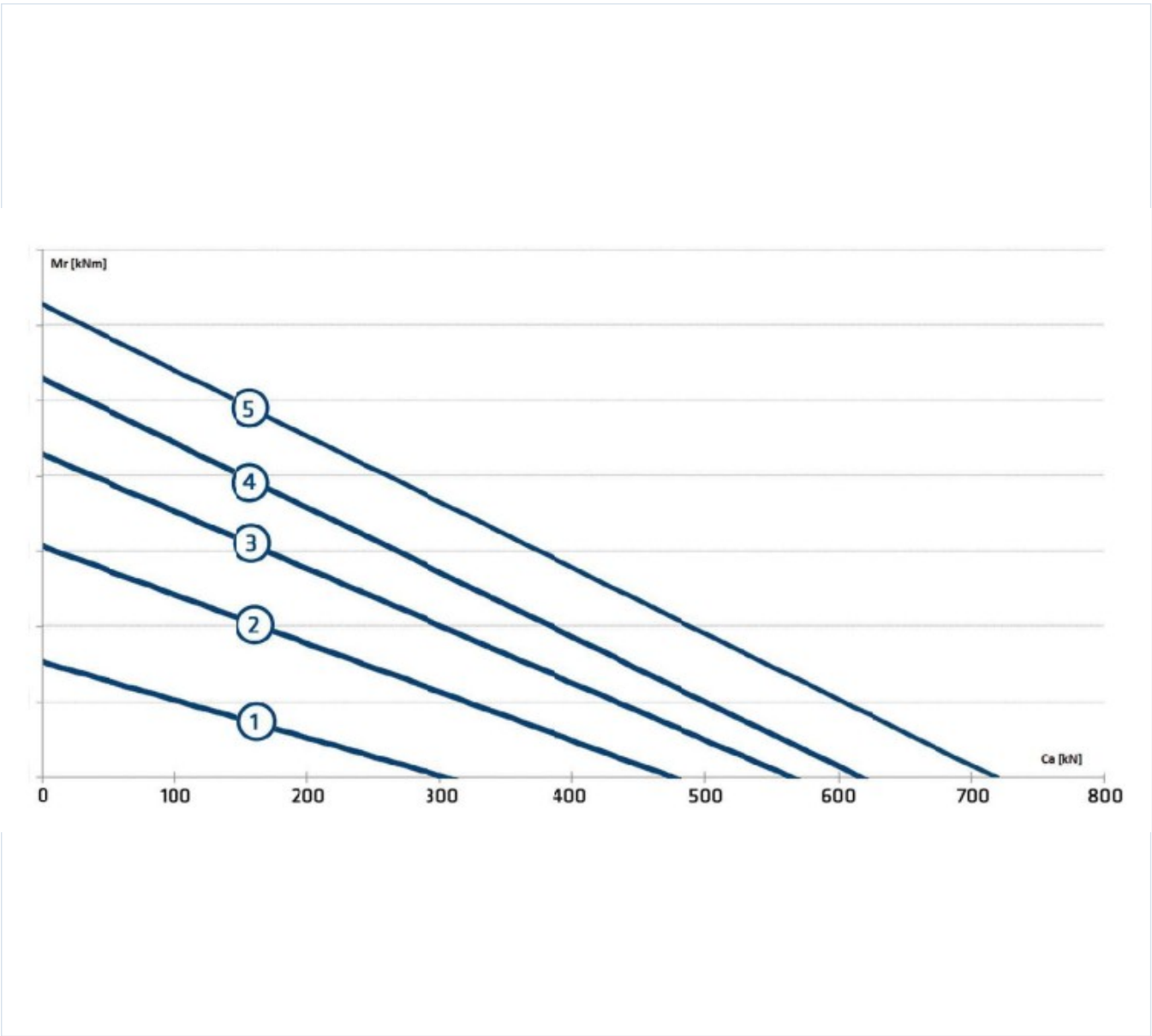
Complete Product Data

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 (CONTINUED)	
Outline Drawing	la-leonessa-u-internal-drawing.webp SHA-256: 56d180eaa2ed4455562dc5088b73ae5494e3fd695ce3f34a64253f1fb6 0d6365

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-u-internal-static_load_curve.webp | SHA-256:
0553d34f9cf6ecace85df68d0da0df4223dbed9c99adc6912336f77a690667e1

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

BPLQFWZMF7SQ3UX2YSCBXEJ7GM

SOURCE FILE

Catalogo_flangiati.pdf

VERIFICATION

**Level 3 - MERYDOM Engineering
Verified**

SOURCE DOCUMENT

**LA-LEONESSA-FLANGED-SLEWING-BEARINGS
-CATALOG-2013**

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/products/slewing-bearing-replacements/la-leonessa/vi049ue00/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.