

Factory-Verified Replacement

MERYDOM V25E013

Certified for interchange with La Leonessa V25E013. 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

V25E013

SERIES

1RE Series

OVERALL OD

595 mm

OVERALL HEIGHT

85 mm

REFERENCE

La Leonessa V25E013

STRUCTURE

Sfere a quattro punti di contatto

OVERALL ID

382 mm

GEAR

Dentatura esterna

Published Technical Drawing



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	V25E013
Certified interchangeable with	La Leonessa V25E013
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	A43TVFLDTRCYXBSZVNHUSBNGPP
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	1RE Series
Reference model	V25E013
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Mass (P)	70 kg
Overall outside diameter (De)	595 mm
Overall inside diameter (Di)	382 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	85 mm
Dim Dr (Dr)	477,5 mm
Dim Centering External (Ce)	565 0/-0,5 mm
Dim Centering Internal (Ci)	382 +0,5/0 mm
MOUNTING	
Outer ring bolt circle (Ie)	540 mm
Outer ring mounting-hole count (ne)	24
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	410 mm
Inner ring mounting-hole count (ni)	24
Inner ring mounting-hole specification (Mi)	M16
GEAR	
Gear module (m)	5 mm
Gear tooth count (z)	117
Gear pitch diameter (Dp)	585 mm
Gear Tooth Height (Hd)	60 mm
PERFORMANCE	
Basic static axial load rating (C0a)	1.690 kN
Static tilting moment rating (M0r)	150 kNm
Normal tooth force (Fnom)	10 kN

Complete Product Data

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PERFORMANCE (CONTINUED)	
Maximum tooth force (Fmax)	21 kN
MISCELLANEOUS	
Pattern (Schema)	B
PERFORMANCE RATINGS	
Rating Axial Static	1.690 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	150 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	10 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	21 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - 24; M16
Inner ring mounting	24 holes - 24; M16
GEAR INTERFACE	
Pitch system	module
Module reference	5 mm
Number of teeth	117
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-EXTERNAL-GEAR-CATALOG-2017
Source file	SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.pdf
PDF page	4
Printed page	4
Source language	EN

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.

SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-1re-static_load_curve.webp SHA-256: d7aae043a7185155fb61d59e50819f72c59987082f018cd5cc43cc5387066075
Outline Drawing	la-leonessa-1re-drawing.webp SHA-256: 9def12f376fbd9bc222f66ab0503412bd5a475fdfe624e4dbfe0ca549ea4d61f

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-1re-static_load_curve.webp | SHA-256:
d7aae043a7185155fb61d59e50819f72c59987082f018cd5cc43cc5387066075

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

A43TVFLDTRCYXBSZVNHUSBNGPP

SOURCE FILE

SLEWING-BEARINGS-WITH-EXTERNAL-GEAR.pdf

VERIFICATION

**Level 3 - MERYDOM Engineering
Verified**

SOURCE DOCUMENT

LA-LEONESSA-EXTERNAL-GEAR-CATALOG-2017

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

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Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/la-leonessa/v25e013/>

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