Factory-Verified Replacement

MERYDOM VE094Z100

Certified for interchange with La Leonessa VE094Z100. 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
VE094Z100

REFERENCE
La Leonessa VE094Z100

SERIES
Z_EXTERNAL Series

STRUCTURE
Flanged Four Point Contact Ball

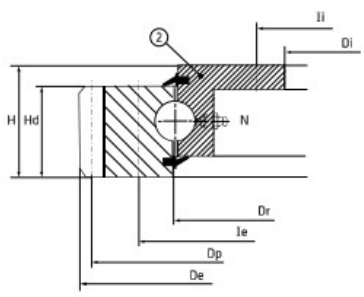
OVERALL OD
950.4 mm

OVERALL ID
734 mm

OVERALL HEIGHT
56 mm

GEAR
Engrenagem externa

Published Technical Drawing



la-leonessa-z-external-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	VE094Z100
Certified interchangeable with	La Leonessa VE094Z100
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CMTBPDCOLJT4I2BG2A22RGYGKL
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	Z_EXTERNAL Series
Reference model	VE094Z100
Bearing structure	Flanged Four Point Contact Ball
Gear arrangement	Engrenagem externa
DIMENSION	
Mass (P)	65 kg
Overall outside diameter (De)	950,4 mm
Overall inside diameter (Di)	734 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	56 mm
Dim Dr (Dr)	844 mm
MOUNTING	
Outer ring bolt circle (Ie)	885 mm
Outer ring mounting-hole count (ne)	18
Outer ring mounting-hole specification (Me)	M12
Inner ring bolt circle (Ii)	762 mm
Inner ring mounting-hole count (ni)	18
Inner ring mounting-hole specification (Mi)	M16
GEAR	
Gear module (m)	8 mm
Gear tooth count (z)	117
Liebherr catalogue gear dimension k*m (km)	0,8 mm
Gear pitch diameter (Dp)	936 mm
Gear Tooth Height (Hd)	45,5 mm
PERFORMANCE	
Basic static axial load rating (C0a)	560 kN
Static tilting moment rating (M0r)	103 kNm
Normal tooth force (Fnom)	18,93 kN
Maximum tooth force (Fmax)	37,86 kN

Complete Product Data

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PERFORMANCE RATINGS	
Rating Axial Static	560 kN | Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	103 kNm | Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	18,93 kN | Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	37,86 kN | Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	18 holes - 18; M12
Inner ring mounting	18 holes - 18; M16
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	117
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-FLANGED-SLEWING-BEARINGS-CATALOG-2013
Source file	Catalogo_flangiati.pdf
PDF page	2
Printed page	2
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-z-external-static_load_curve.webp | SHA-256: 7e5942d2250300b774b9a47276b2238aec0fd1620da21ca6fa1266da04750467

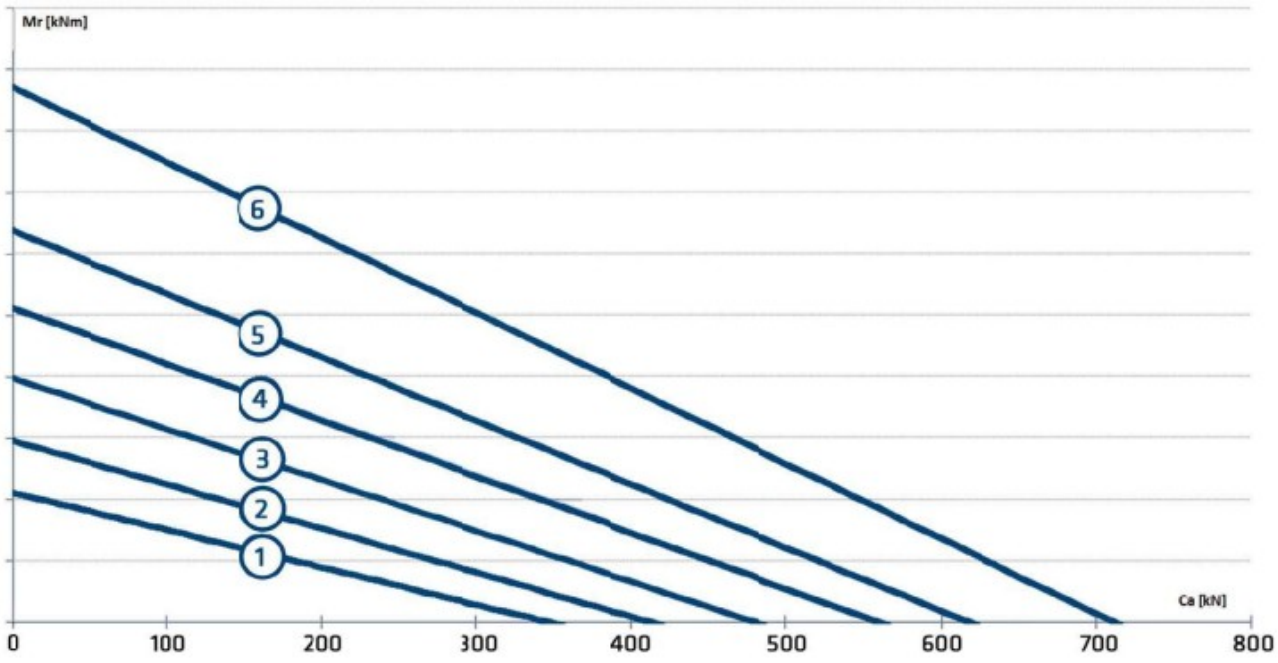
Complete Product Data

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-z-external-drawing.webp | SHA-256: c45a0346554562dcd15b471c82ba9af10ca23e5d51261fd5da5782bda8f905b1

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-z-external-static_load_curve.webp | SHA-256: 7e5942d2250300b774b9a47276b2238aec0fd1620da21ca6fa1266da04750467

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

CMTBPDCOLJT4I2BG2A22RGYGKL

SOURCE DOCUMENT

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

SOURCE FILE

Catalogo_flangiati.pdf

SOURCE LOCATION

PDF page 2 | Printed page 2

VERIFICATION

Level 3 - MERYDOM Engineering Verified

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/ve094z100/