

Factory-Verified Replacement

MERYDOM V18I058

Certified for interchange with La Leonessa V18I058. 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

V18I058

SERIES

1RI Series

OVERALL OD

1,260 mm

OVERALL HEIGHT

75 mm

REFERENCE

La Leonessa V18I058

STRUCTURE

Four-point contact ball

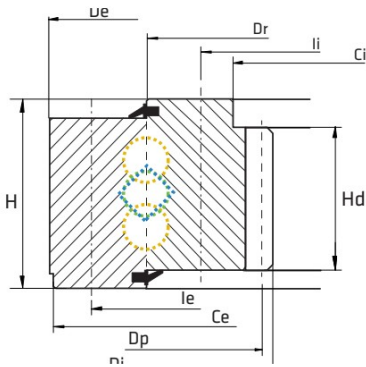
OVERALL ID

1,034 mm

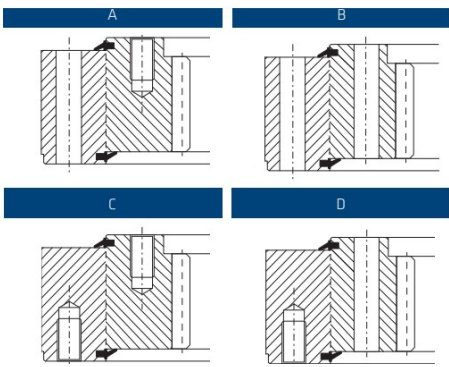
GEAR

Internal gear

Published Technical Drawing



la-leonessa-1ri-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	V18I058
Certified interchangeable with	La Leonessa V18I058
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	UYH26TSDMMCZJ4BNKZJXPDEIIO
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	1RI Series
Reference model	V18I058
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Mass (P)	165 kg
Overall outside diameter (De)	1,260 mm
Overall inside diameter (Di)	1,034 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	75 mm
Dim Dr (Dr)	1,164.5 mm
MOUNTING	
Outer ring bolt circle (Ie)	1,220 mm
Outer ring mounting-hole count (ne)	36
Outer ring mounting-hole specification (Me)	M16
Inner ring bolt circle (Ii)	1,130 mm
Inner ring mounting-hole count (ni)	36
Inner ring mounting-hole specification (Mi)	M16
GEAR	
Gear module (m)	16 mm
Gear tooth count (z)	64
Addendum modification product x^*m (xm)	20 mm
Liebherr catalogue gear dimension k^*m (km)	1 mm
Gear pitch diameter (Dp)	1,024 mm
Gear Tooth Height (Hd)	78 mm
Gear Hardening Indicator (Temp _{ra})	
PERFORMANCE	
Basic static axial load rating (C0a)	3,030 kN
Static tilting moment rating (M0r)	706 kNm

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PERFORMANCE (CONTINUED)	
Normal tooth force (Fnom)	198 kN
Maximum tooth force (Fmax)	397 kN
MISCELLANEOUS	
Pattern (Schema)	A
PERFORMANCE RATINGS	
Rating Axial Static	3,030 kN Not simultaneous with other listed dynamic ratings
Rating Tilting Moment Static	706 kNm Not simultaneous with other listed dynamic ratings
Rating Tooth Force Normal	198 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	397 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	16 mm
Number of teeth	64
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

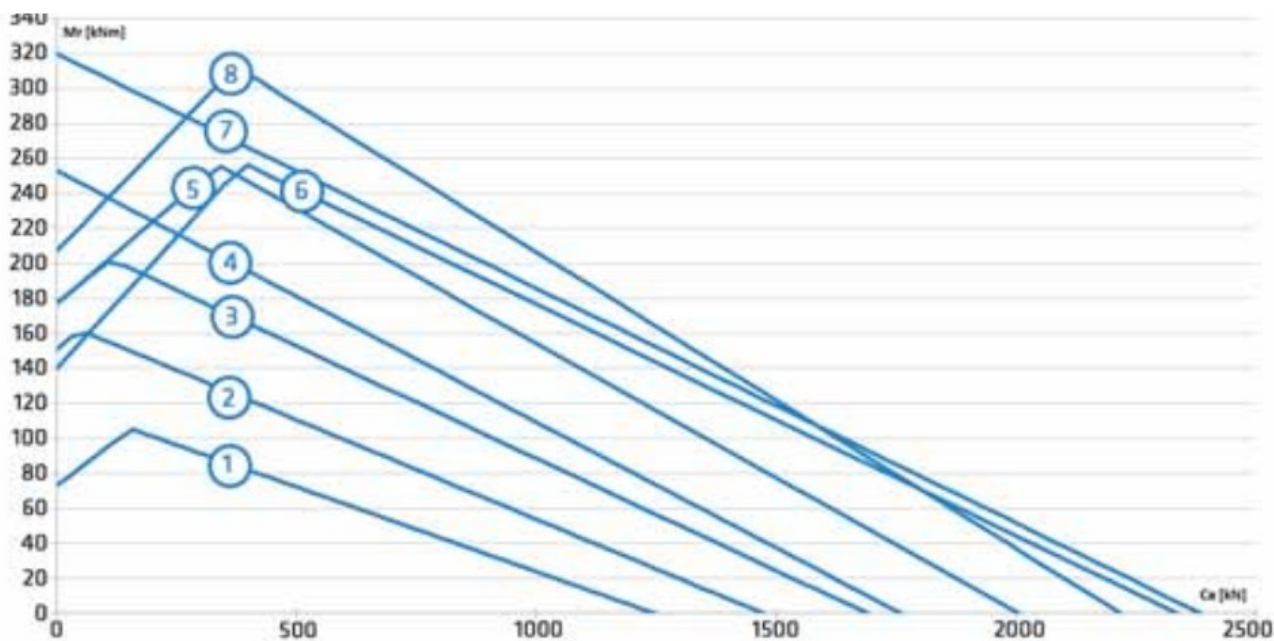
Complete Product Data

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)	
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-1ri-static_load_curve.webp SHA-256: 88ec75fa8bed689f66b14f5b91e2b5afb0052df21fcd350ae92760f6f677df55
Outline Drawing	la-leonessa-1ri-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-1ri-static_load_curve.webp | SHA-256:
88ec75fa8bed689f66b14f5b91e2b5afb0052df21fcd350ae92760f6f677df55

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 UYH26TSDMMCZJ4BNKZJXPDEIIO	SOURCE DOCUMENT LA-LEONESSA-INTERNAL-GEAR-CATALOG-2017
SOURCE FILE SLEWING-BEARINGS-WITH-INTERNAL-GEAR.pdf	SOURCE LOCATION PDF page 8 Printed page 8
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/products/slewing-bearing-replacements/la-leonessa/v18i058/>

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