

Factory-Verified Replacement

MERYDOM 1450R-12B-100

Certified for interchange with Tibet Makina 1450R-12B-100. 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
1450R-12B-100

REFERENCE
Tibet Makina 1450R-12B-100

SERIES
FOUR_POINT_UNGEARED Series

STRUCTURE
Four-point contact ball

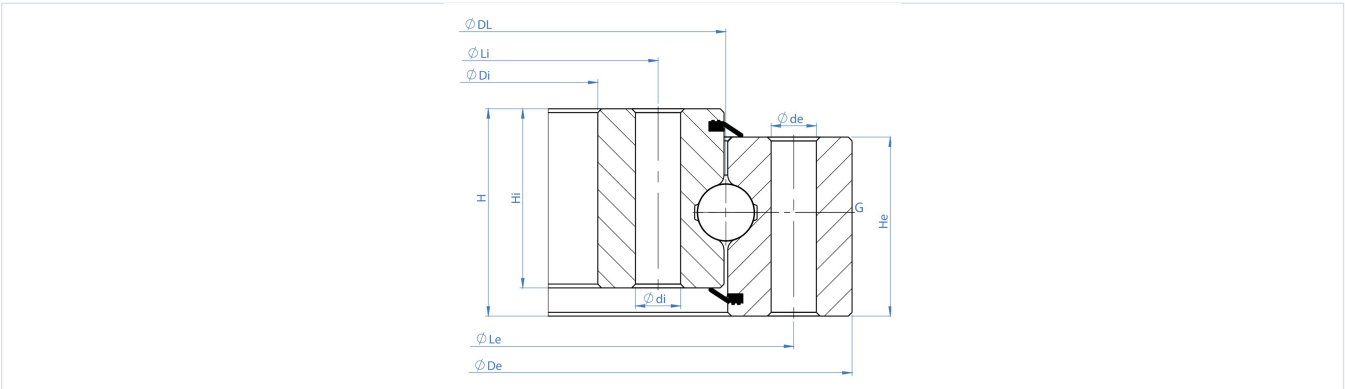
OVERALL OD
1,555 mm

OVERALL ID
1,345 mm

OVERALL HEIGHT
80 mm

GEAR
Ungeared

Published Technical Drawing



four_point_ungeared-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	1450R-12B-100
Certified interchangeable with	Tibet Makina 1450R-12B-100
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	NVOOXT4KE4GOHGIBIQBRLD5UQ
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	Tibet Makina
Reference series	FOUR_POINT_UNGEARED Series
Reference model	1450R-12B-100
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Mass (Kg)	220 kg
Overall outside diameter (De)	1,555 mm
Overall inside diameter (Di)	1,345 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)	80 mm
Outer ring height (He)	70 mm
Inner ring height (Hi)	70 mm
MOUNTING	
Outer ring bolt circle (Le)	1,515 mm
Inner ring bolt circle (Li)	1,390 mm
Outer ring mounting-hole count (ne)	42
Inner ring mounting-hole count (ni)	42
Outer ring mounting-hole specification (de)	22 mm
Inner ring mounting-hole specification (di)	22 mm
MISCELLANEOUS	
Raceway Pitch Diameter (DL)	1,450 mm
Lubrication Zerk Count (G)	6
MOUNTING INTERFACES	
Outer ring mounting	42 holes - de 22 mm
Inner ring mounting	42 holes - di 22 mm
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	TIBET_MAKINA_2015_CATALOG
Source file	tibet_makina_2015.pdf

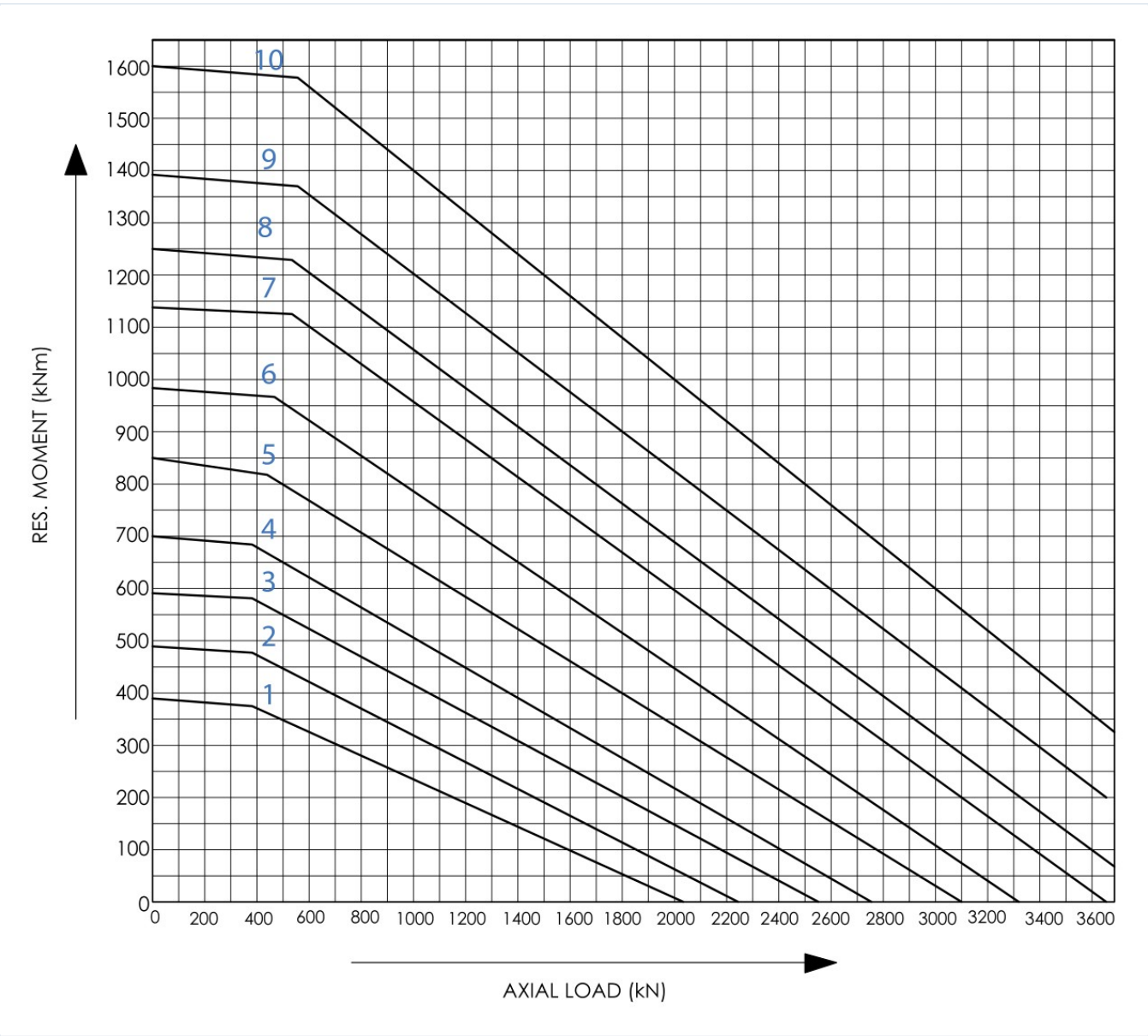
Complete Product Data

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)	
PDF page	37
Printed page	37
Source language	TR-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	four_point_ungeared-static-load-curve.webp SHA-256: 6e320b9eaf9f0e5d8d595de1fcd42e8b3fa42e8423ae3662b3ca9605275fad7a
Outline Drawing	four_point_ungeared-drawing.webp SHA-256: e5777160d43ec697a5e6f56e000a41c453438946140d1d4ed26589d1ab9318c5

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.



four_point_ungeared-static-load-curve.webp | SHA-256:
6e320b9eaf9f0e5d8d595de1fcd42e8b3fa42e8423ae3662b3ca9605275fad7a

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 NVOOXTP4KE4GOHGIBIQBRLD5UQ	SOURCE DOCUMENT TIBET_MAKINA_2015_CATALOG
SOURCE FILE tibet_makina_2015.pdf	SOURCE LOCATION PDF page 37 Printed page 37
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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/tibet-makina/1450r-12b-100/>

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