

Factory-Verified Replacement

MERYDOM 1421R-12B-200

Certified for interchange with Tibet Makina 1421R-12B-200. 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
1421R-12B-200

REFERENCE
Tibet Makina 1421R-12B-200

SERIES
DOUBLE_ROW_BALL_UNGEARED Series

STRUCTURE
Double-row ball

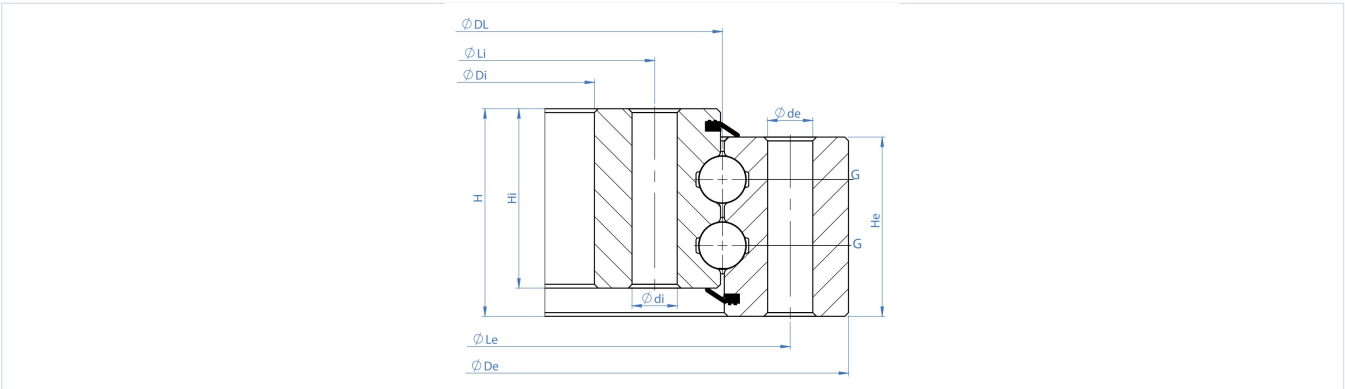
OVERALL OD
1,535 mm

OVERALL ID
1,315 mm

OVERALL HEIGHT
102 mm

GEAR
Ungeared

Published Technical Drawing



double_row_ball_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	1421R-12B-200
Certified interchangeable with	Tibet Makina 1421R-12B-200
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	DGDT5Q6TUIJ4DW7I6EPPIONOD3W
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	DOUBLE_ROW_BALL_UNGEARED Series
Reference model	1421R-12B-200
Bearing structure	Double-row ball
Gear arrangement	Ungeared
DIMENSION	
Mass (Kg)	290 kg
Overall outside diameter (De)	1,535 mm
Overall inside diameter (Di)	1,315 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)	102 mm
Outer ring height (He)	92 mm
Inner ring height (Hi)	92 mm
MOUNTING	
Outer ring bolt circle (Le)	1,413 mm
Inner ring bolt circle (Li)	1,353 mm
Outer ring mounting-hole count (ne)	42
Inner ring mounting-hole count (ni)	42
Outer ring mounting-hole specification (de)	21 mm
Inner ring mounting-hole specification (di)	21 mm
MISCELLANEOUS	
Raceway Pitch Diameter (DL)	1,421 mm
Lubrication Zerk Count (G)	4
MOUNTING INTERFACES	
Outer ring mounting	42 holes - de 21 mm
Inner ring mounting	42 holes - di 21 mm
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	TIBET_MAKINA_2015_CATALOG
Source file	tibet_makina_2015.pdf

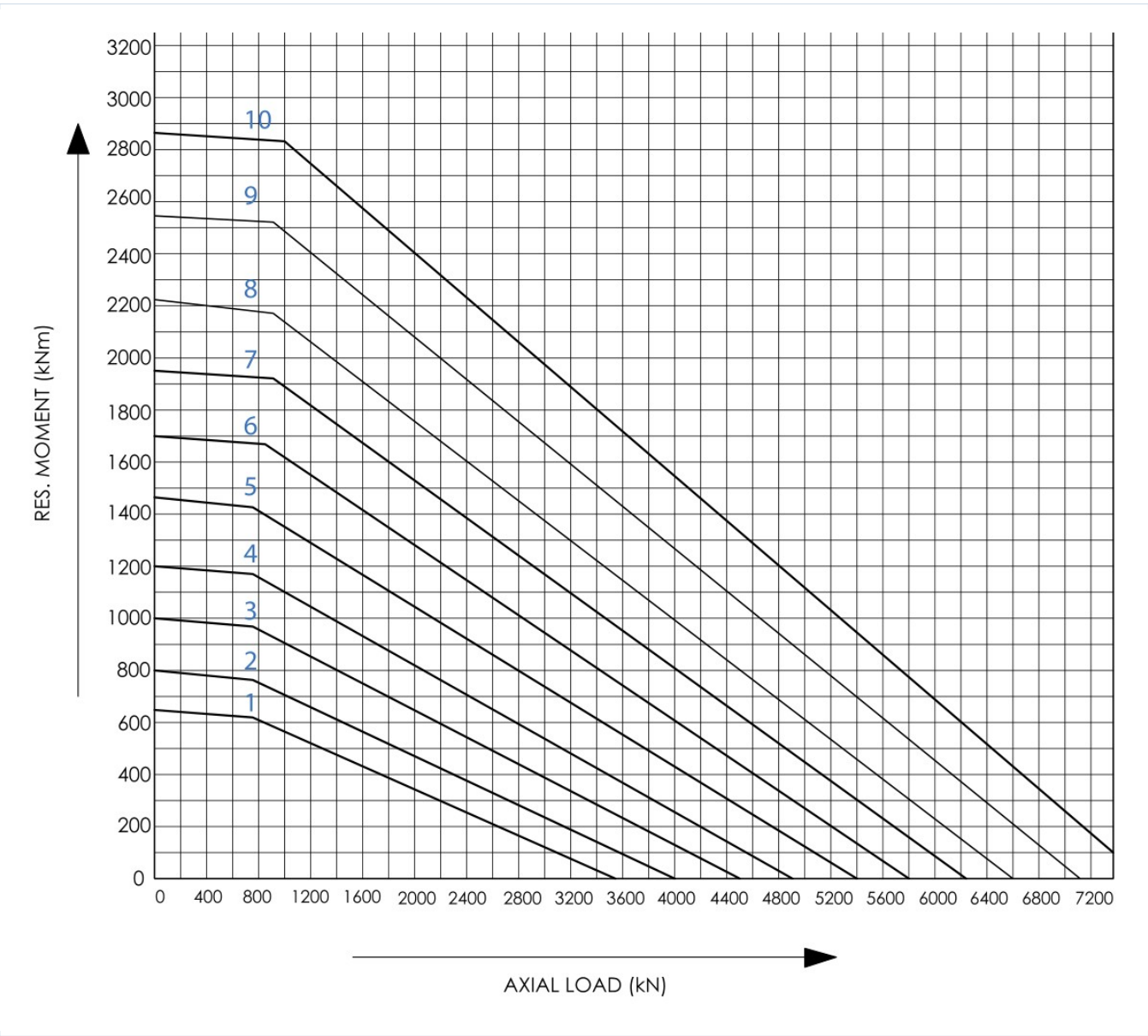
Complete Product Data

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	41
Printed page	41
Source language	TR-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	double_row_ball_ungeared-static-load-curve.webp SHA-256: c5be3762b4075df2a716d1f63e693446d8b6f6c0f456f518acc66de753 fef280
Outline Drawing	double_row_ball_ungeared-drawing.webp SHA-256: 33b77549fe0f74a332cee23144f4bd04c745cdb3db3cef11406fd76487 a908b4

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.



double_row_ball_ungearred-static-load-curve.webp | SHA-256:
c5be3762b4075df2a716d1f63e693446d8b6f6c0f456f518acc66de753fef280

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 DGDT5Q6TUJ4DW7I6EPPIONOD3W	SOURCE DOCUMENT TIBET_MAKINA_2015_CATALOG
SOURCE FILE tibet_makina_2015.pdf	SOURCE LOCATION PDF page 41 Printed page 41
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/1421r-12b-200/>

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