

Factory-Verified Replacement

MERYDOM 1613I-12B-200

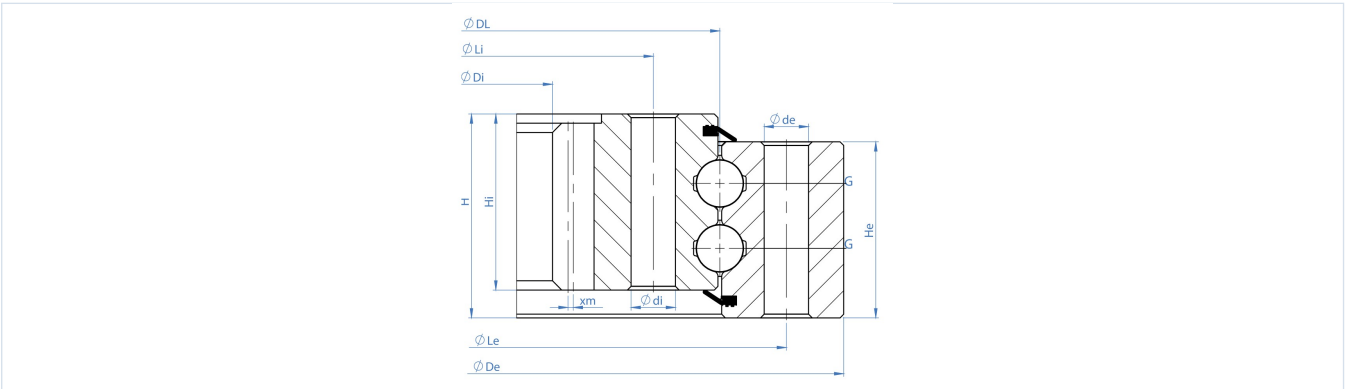
Certified for interchange with Tibet Makina 1613I-12B-200. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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	REFERENCE
1613I-12B-200	Tibet Makina 1613I-12B-200
SERIES	STRUCTURE
DOUBLE_ROW_BALL_INTERNAL Series	ift s ral bilyal rulman
OVERALL OD	OVERALL ID
1,750 mm	1,418 mm
OVERALL HEIGHT	GEAR
125 mm	ten di li

Published Technical Drawing



double_row_ball_internal-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	1613I-12B-200
Certified interchangeable with	Tibet Makina 1613I-12B-200
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	YXR5AHDOPVEOEW4B2GIIYRAQTZ
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_INTERNAL Series
Reference model	1613I-12B-200
Bearing structure	ift s ral bilyal rulman
Gear arrangement	ten di li
DIMENSION	
Mass (Kg)	630 kg
Overall outside diameter (De)	1 750 mm
Overall inside diameter (Di)	1 418 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)	125 mm
Outer ring height (He)	110 mm
Inner ring height (Hi)	110 mm
MOUNTING	
Outer ring bolt circle (Le)	1 705 mm
Inner ring bolt circle (Li)	1 525 mm
Outer ring mounting-hole count (ne)	40
Inner ring mounting-hole count (ni)	40
Outer ring mounting-hole specification (de)	25 mm
Inner ring mounting-hole specification (di)	25 mm
GEAR	
Gear module (m)	12 mm
Gear tooth count (z)	120
PERFORMANCE	
Normal tooth force (Ft_normal)	110 kN
Maximum tooth force (Ft_max)	220 kN
MISCELLANEOUS	
Raceway Pitch Diameter (DL)	1 613 mm
Lubrication Zerk Count (G)	4
PERFORMANCE RATINGS	

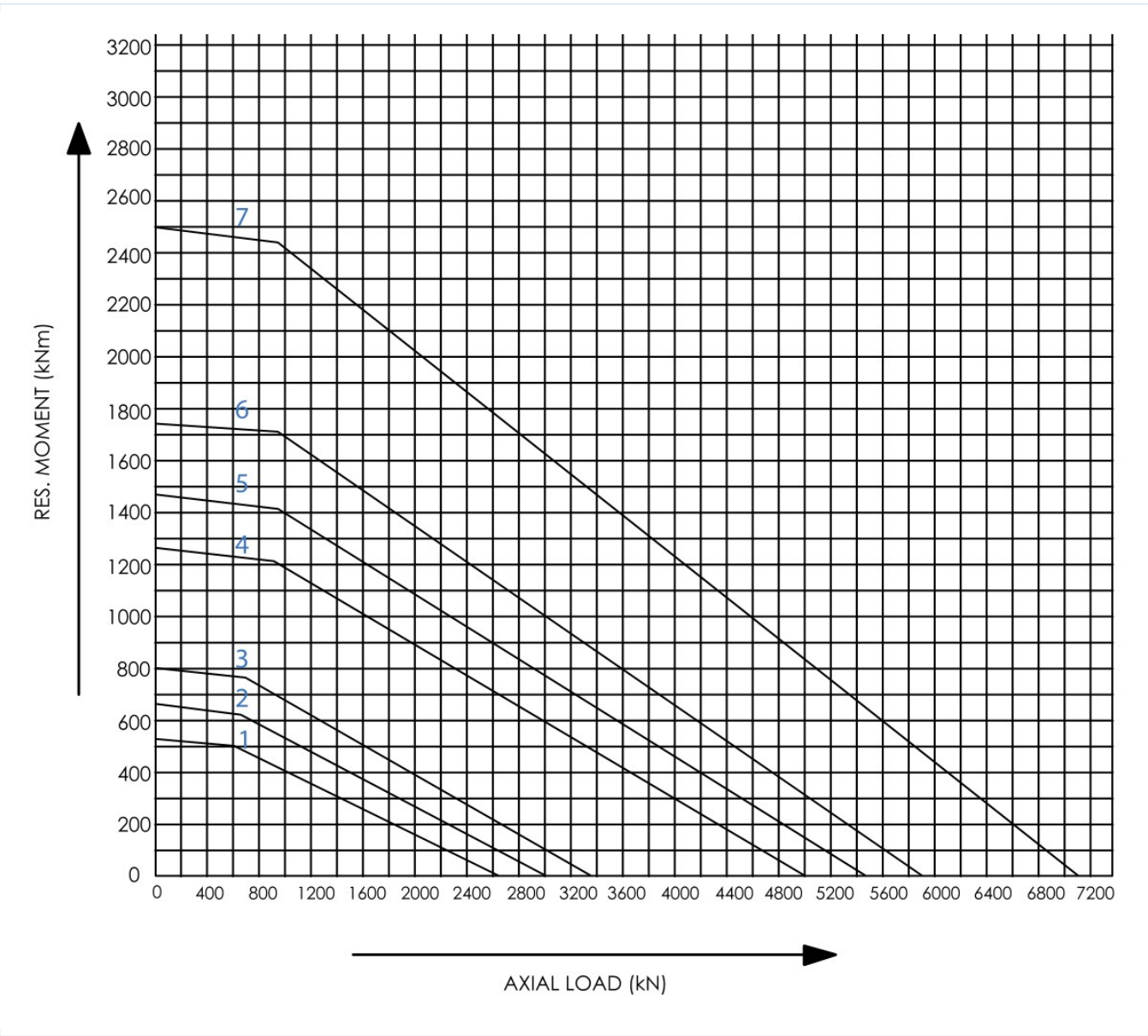
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

PERFORMANCE RATINGS (CONTINUED)	
Rating Tooth Force Normal	110 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	220 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	40 holes - de 25 mm
Inner ring mounting	40 holes - di 25 mm
GEAR INTERFACE	
Pitch system	module
Module reference	12 mm
Number of teeth	120
SOURCE TRACEABILITY	
Source document code	TIBET_MAKINA_2015_CATALOG
Source file	tibet_makina_2015.pdf
PDF page	43
Printed page	43
Source language	TR-EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	double_row_ball_internal-static-load-curve.webp SHA-256: e47a0610ee1623aed5cf4cbad71ef922912a8573c68b591483dac31ce968ad0d
Outline Drawing	double_row_ball_internal-drawing.webp SHA-256: 40e4cecef89ad40d0f86f78bce0f6f572279c5a4d7b10f4480424d33c3a70350

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_internal-static-load-curve.webp | SHA-256:
e47a0610ee1623aed5cf4cbad71ef922912a8573c68b591483dac31ce968ad0d

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 YXR5AHDOPVEOEW4B2GIIYRAQTZ	SOURCE DOCUMENT TIBET_MAKINA_2015_CATALOG
SOURCE FILE tibet_makina_2015.pdf	SOURCE LOCATION PDF page 43 Printed page 43
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/tr/urunler/muadil-doner-tabla-rulmanlari/tibet-makina/1613i-12b-200/>

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