

Factory-Verified Replacement

MERYDOM 0982I-12B-201

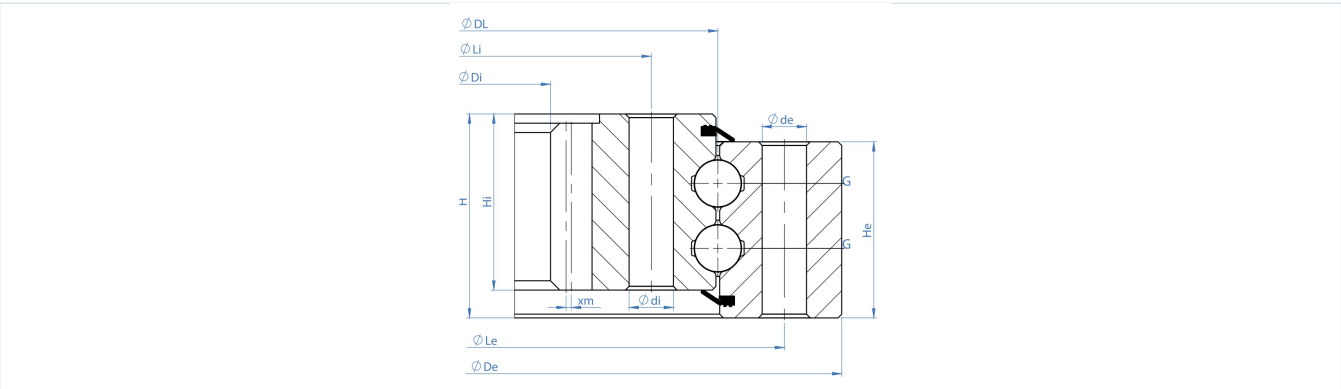
Certified for interchange with Tibet Makina 0982I-12B-201. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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
0982I-12B-201	Tibet Makina 0982I-12B-201
SERIES	STRUCTURE
DOUBLE_ROW_BALL_INTERNAL Series	Double-row ball
OVERALL OD	OVERALL ID
1,074 mm	870 mm
OVERALL HEIGHT	GEAR
105 mm	Internal gear

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	0982I-12B-201
Certified interchangeable with	Tibet Makina 0982I-12B-201
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	HIZ76ZVPLFTE6YYACMAIWE5CVW
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	0982I-12B-201
Bearing structure	Double-row ball
Gear arrangement	Internal gear
DIMENSION	
Mass (Kg)	200 kg
Overall outside diameter (De)	1,074 mm
Overall inside diameter (Di)	870 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)	105 mm
Outer ring height (He)	95 mm
Inner ring height (Hi)	95 mm
MOUNTING	
Outer ring bolt circle (Le)	1,035 mm
Inner ring bolt circle (Li)	936 mm
Outer ring mounting-hole count (ne)	40
Inner ring mounting-hole count (ni)	40
Outer ring mounting-hole specification (de)	22 mm
Inner ring mounting-hole specification (di)	17 mm
GEAR	
Gear module (m)	8 mm
Gear tooth count (z)	111
PERFORMANCE	
Normal tooth force (Ft_normal)	63 kN
Maximum tooth force (Ft_max)	126 kN
MISCELLANEOUS	
Raceway Pitch Diameter (DL)	982 mm
Lubrication Zerk Count (G)	4
PERFORMANCE RATINGS	
Rating Tooth Force Normal	63 kN Not simultaneous with other listed dynamic ratings

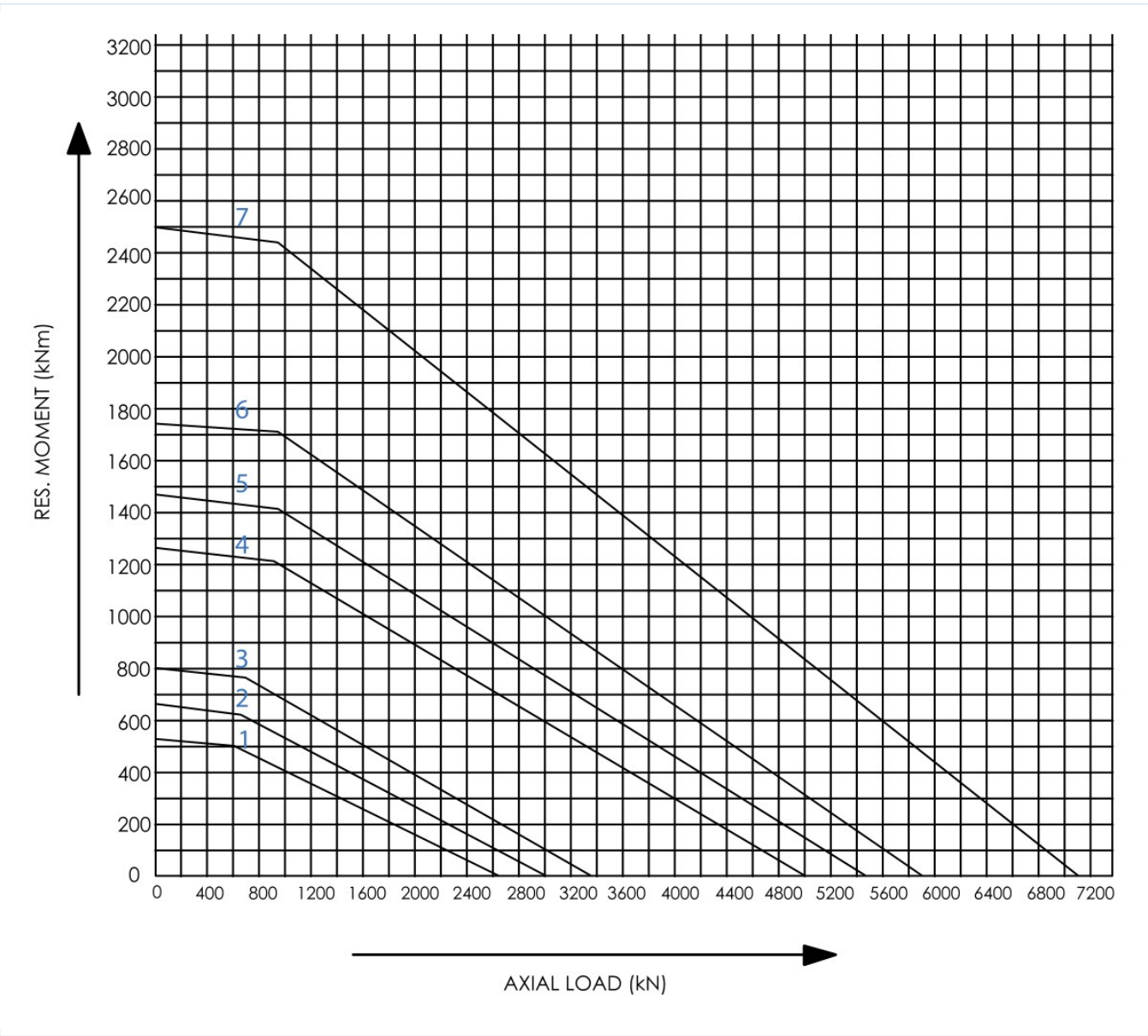
Complete Product Data

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 Max	126 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	40 holes - de 22 mm
Inner ring mounting	40 holes - di 17 mm
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	111
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 HIZ76ZVPLFTE6YYACMAIWE5CVW	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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/tibet-makina/0982i-12b-201/>

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