

Factory-Verified Replacement

MERYDOM 1050R-12B-100

Certified for interchange with Tibet Makina 1050R-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

1050R-12B-100

REFERENCE

Tibet Makina 1050R-12B-100

SERIES

FOUR_POINT_UNGEARED Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

1,155 mm

OVERALL ID

945 mm

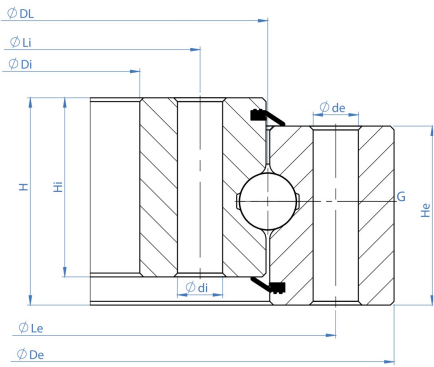
OVERALL HEIGHT

80 mm

GEAR

Senza dentatura

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	1050R-12B-100
Certified interchangeable with	Tibet Makina 1050R-12B-100
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SKS35FSOM27FGSUO32C3WZBA6Y
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	1050R-12B-100
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Senza dentatura
DIMENSION	
Mass (Kg)	160 kg
Overall outside diameter (De)	1.155 mm
Overall inside diameter (Di)	945 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)	1.115 mm
Inner ring bolt circle (Li)	990 mm
Outer ring mounting-hole count (ne)	30
Inner ring mounting-hole count (ni)	30
Outer ring mounting-hole specification (de)	22 mm
Inner ring mounting-hole specification (di)	22 mm
MISCELLANEOUS	
Raceway Pitch Diameter (DL)	1.050 mm
Lubrication Zerk Count (G)	4
MOUNTING INTERFACES	
Outer ring mounting	30 holes - de 22 mm
Inner ring mounting	30 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

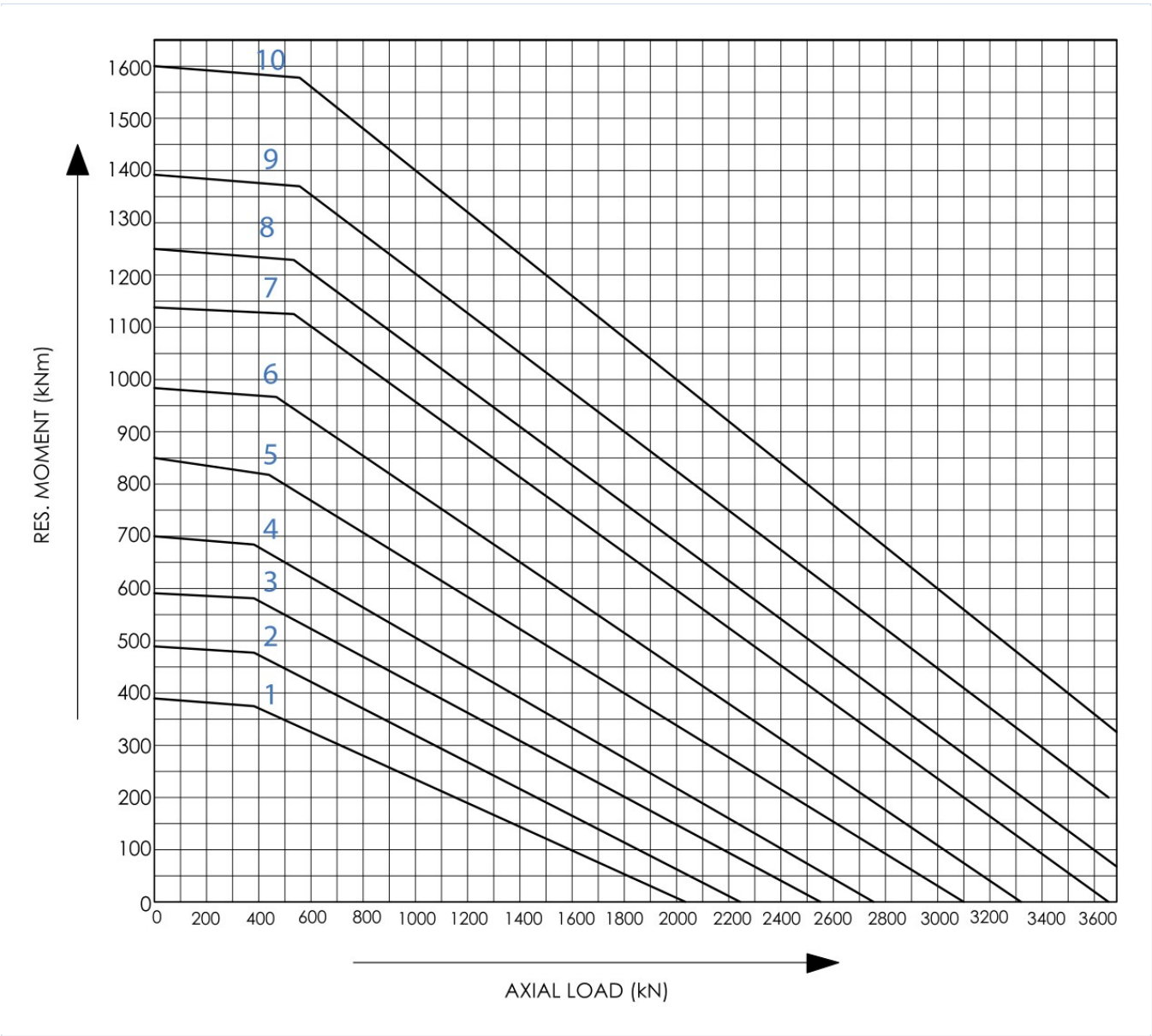
Complete Product Data

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**SKS35FSOM27FGSUO32C3WZBA6Y****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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/tibet-makina/1050r-12b-100/>

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