

Factory-Verified Replacement

MERYDOM MTO-324T

Certified for interchange with Kaydon MTO-324T. 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

MTO-324T

REFERENCE

Kaydon MTO-324T

SERIES

MT Series

STRUCTURE

Four-point contact ball

OVERALL OD

520.344 mm

OVERALL ID

323.85 mm

OVERALL HEIGHT

52.375 mm

GEAR

Ungeared

No public model drawing is attached to this record. Submit the application and required interface format for final drawing confirmation.

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	MTO-324T
Certified interchangeable with	Kaydon MTO-324T
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	BM3TGMU3YSNDKLYDSPKBT2IPAU
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	Kaydon
Reference series	MT Series
Reference model	MTO-324T
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Overall outside diameter (Do)	20.486 in Metric reference: approximately 520.34 mm
Overall inside diameter (di)	12.750 in Metric reference: approximately 323.9 mm
Overall height (H)	2.062 in Metric reference: approximately 52.37 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)	
Assembly weight (G)	105 lb Metric reference: approximately 47.627 kg
MOUNTING	
Outer ring bolt circle (Lo)	18.875 in Metric reference: approximately 479.43 mm
Inner ring bolt circle (Li)	14.375 in Metric reference: approximately 365.13 mm
PERFORMANCE	
Moment load rating (Crm)	102400 ft lbf Metric reference: approximately 138.84 kN m
PERFORMANCE RATINGS	
Moment	102400.0000000000 ft lbf Metric reference: approximately 138.84 kN m
MOUNTING INTERFACES	
Outer ring mounting	20 holes - 5/8-11
Inner ring mounting	20 holes - 5/8-11
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390
Source file	Kaydon_Catalog_390.pdf
PDF page	66
Printed page	64
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID BM3TGMU3YSNDKLYDSPKBT2IPAU	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 66 Printed page 64
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/products/slewing-bearing-replacements/kaydon/mto-324t/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.