

Factory-Verified Replacement

MERYDOM MTO-050T

Certified for interchange with Kaydon MTO-050T. 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-050T

REFERENCE

Kaydon MTO-050T

SERIES

MT Series

STRUCTURE

D rt nokta temasl bilyal

OVERALL OD

110.007 mm

OVERALL ID

49.987 mm

OVERALL HEIGHT

19.99 mm

GEAR

Di lisiz

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-050T
Certified interchangeable with	Kaydon MTO-050T
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	EFPIKYNTYP2ZGG6HBVWI2653BX
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-050T
Bearing structure	D rt nokta temasl bilyal
Gear arrangement	Di lisiz
DIMENSION	
Overall outside diameter (Do)	4.331 in Metric reference: yakla k 110,01 mm
Overall inside diameter (di)	1.968 in Metric reference: yakla k 49,99 mm
Overall height (H)	0.787 in Metric reference: yakla k 19,99 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)	2 lb Metric reference: yakla k 0,907 kg
MOUNTING	
Outer ring bolt circle (Lo)	3.818 in Metric reference: yakla k 96,98 mm
Inner ring bolt circle (Li)	2.480 in Metric reference: yakla k 63 mm
PERFORMANCE	
Moment load rating (Crm)	675 ft lbf Metric reference: yakla k 915,18 N m
PERFORMANCE RATINGS	
Moment	675.0000000000 ft lbf Metric reference: yakla k 915,18 N m
MOUNTING INTERFACES	
Outer ring mounting	8 holes - M6
Inner ring mounting	8 holes - M6
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
EFPIKYNTYP2ZGG6HBVWI2653BX

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/tr/urunler/muadil-doner-tabla-rulmanlari/kaydon/mto-050t/>

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.