

Factory-Verified Replacement

MERYDOM MTE-210

Certified for interchange with Kaydon MTE-210. 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

MTE-210

REFERENCE

Kaydon MTE-210

SERIES

MT Series

STRUCTURE

Esferas de contato de quatro pontos

OVERALL OD

373.024 mm

OVERALL ID

210.007 mm

OVERALL HEIGHT

40.005 mm

GEAR

Engrenagem externa

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	MTE-210
Certified interchangeable with	Kaydon MTE-210
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	WFAZNG5W3BNSUP3JYHTJJXJSGI
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	MTE-210
Bearing structure	Esferas de contato de quatro pontos
Gear arrangement	Engrenagem externa
DIMENSION	
Overall outside diameter (Do)	14.686 in Metric reference: aproximadamente 373,02 mm
Overall inside diameter (di)	8.268 in Metric reference: aproximadamente 210,01 mm
Overall height (H)	1.575 in Metric reference: aproximadamente 40,01 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)	38 lb Metric reference: aproximadamente 17,237 kg
MOUNTING	
Outer ring bolt circle (Lo)	13.190 in Metric reference: aproximadamente 335 mm
Inner ring bolt circle (Li)	9.449 in Metric reference: aproximadamente 240 mm
GEAR	
Gear pitch diameter (D2)	14.400 in Metric reference: aproximadamente 366 mm
Gear tooth count (z2)	72
PERFORMANCE	
Maximum gear tooth load (Fz)	5810 lbf Metric reference: aproximadamente 25,84 kN
Moment load rating (Crm)	44500 ft lbf Metric reference: aproximadamente 60,33 kN m
PERFORMANCE RATINGS	
Moment	44500.0000000000 ft lbf Metric reference: aproximadamente 60,33 kN m
Gear Tooth	5810.0000000000 lbf Metric reference: aproximadamente 25,84 kN
MOUNTING INTERFACES	
Outer ring mounting	16 holes - 0.562
Inner ring mounting	20 holes - 0.562
GEAR INTERFACE	
Pitch system	SPECIAL_DP
Number of teeth	72
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390

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)	
Source file	Kaydon_Catalog_390.pdf
PDF page	68
Printed page	66
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID

WFAZNG5W3BNSUP3JYHTJJXJSGI

SOURCE DOCUMENT

KAYDON-CAT390

SOURCE FILE

Kaydon_Catalog_390.pdf

SOURCE LOCATION

PDF page 68 | Printed page 66

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/pt/produtos/rolamentos-de-giro-de-substituicao/kaydon/mte-210/>

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.