

Factory-Verified Replacement

MERYDOM MTE-265X

Certified for interchange with Kaydon MTE-265X. 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-265X

REFERENCE

Kaydon MTE-265X

SERIES

MT Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

433.984 mm

OVERALL ID

264.998 mm

OVERALL HEIGHT

49.987 mm

GEAR

Dentatura esterna

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-265X
Certified interchangeable with	Kaydon MTE-265X
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	GU5EGJU7UDQ7MOUF5V4DZIZ6BM
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-265X
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Overall outside diameter (Do)	17.086 in Metric reference: circa 433,98 mm
Overall inside diameter (di)	10.433 in Metric reference: circa 265 mm
Overall height (H)	1.968 in Metric reference: circa 49,99 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Assembly weight (G)	57 lb Metric reference: circa 25,855 kg
MOUNTING	
Outer ring bolt circle (Lo)	15.354 in Metric reference: circa 389,99 mm
Inner ring bolt circle (Li)	11.614 in Metric reference: circa 295 mm
GEAR	
Gear pitch diameter (D2)	16.800 in Metric reference: circa 427 mm
Gear tooth count (z2)	84
PERFORMANCE	
Maximum gear tooth load (Fz)	7330 lbf Metric reference: circa 32,61 kN
Moment load rating (Crm)	71900 ft lbf Metric reference: circa 97,48 kN m
PERFORMANCE RATINGS	
Moment	71900.0000000000 ft lbf Metric reference: circa 97,48 kN m
Gear Tooth	7330.0000000000 lbf Metric reference: circa 32,61 kN
MOUNTING INTERFACES	
Outer ring mounting	18 holes - 0.594
Inner ring mounting	24 holes - 0.594
GEAR INTERFACE	
Pitch system	SPECIAL_DP
Number of teeth	84
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 GU5EGJU7UDQ7MOUF5V4DZIZ6BM	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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/kaydon/mte-265x/>

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.