

Factory-Verified Replacement

MERYDOM MTO-265

Certified for interchange with Kaydon MTO-265. 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-265

REFERENCE

Kaydon MTO-265

SERIES

MT Series

STRUCTURE

Four-point contact ball

OVERALL OD

419.989 mm

OVERALL ID

264.998 mm

OVERALL HEIGHT

49.987 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-265                                               |
| Certified interchangeable with       | Kaydon MTO-265                                        |
| Verification status                  | Level 3 - MERYDOM Engineering Verified                |
| Reviewed by                          | MERYDOM Engineering Department                        |
| Public record UID                    | 77LZ4ZHSURGZPJ4OZOJDQA4S67                            |
| 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-265                                               |
| Bearing structure                    | Four-point contact ball                               |
| Gear arrangement                     | Ungeared                                              |
| DIMENSION                            |                                                       |
| Overall outside diameter (Do)        | 16.535 in   Metric reference: approximately 419.99 mm |
| Overall inside diameter (di)         | 10.433 in   Metric reference: approximately 265 mm    |
| Overall height (H)                   | 1.968 in   Metric reference: approximately 49.99 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)         | 54 lb   Metric reference: approximately 24.494 kg                    |
| MOUNTING                    |                                                                      |
| Outer ring bolt circle (Lo) | 15.354 in   Metric reference: approximately 389.99 mm                |
| Inner ring bolt circle (Li) | 11.614 in   Metric reference: approximately 295 mm                   |
| PERFORMANCE                 |                                                                      |
| Moment load rating (Crm)    | 62000 ft lbf   Metric reference: approximately 84.06 kN m            |
| PERFORMANCE RATINGS         |                                                                      |
| Moment                      | 62000.0000000000 ft lbf   Metric reference: approximately 84.06 kN m |
| MOUNTING INTERFACES         |                                                                      |
| Outer ring mounting         | 18 holes - 0.562                                                     |
| Inner ring mounting         | 24 holes - 0.562                                                     |
| 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  
77LZ4ZHSURGZFJ4OZOJDQA4S67

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-265/>

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.