

Factory-Verified Replacement

MERYDOM 16356001

Certified for interchange with Kaydon 16356001. 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

16356001

REFERENCE

Kaydon 16356001

SERIES

TR Series

STRUCTURE

Three-row roller

OVERALL OD

4,013.2 mm

OVERALL ID

3,467.1 mm

OVERALL HEIGHT

228.6 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                        | 16356001                                                |
| Certified interchangeable with       | Kaydon 16356001                                         |
| Verification status                  | Level 3 - MERYDOM Engineering Verified                  |
| Reviewed by                          | MERYDOM Engineering Department                          |
| Public record UID                    | XTHC3D4XB6VKUFVVCX47ECHTFI                              |
| 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                     | TR Series                                               |
| Reference model                      | 16356001                                                |
| Bearing structure                    | Three-row roller                                        |
| Gear arrangement                     | Ungearred                                               |
| DIMENSION                            |                                                         |
| Overall outside diameter (Do)        | 158.000 in   Metric reference: approximately 4,013 mm   |
| Overall inside diameter (di)         | 136.500 in   Metric reference: approximately 3,467 mm   |
| Outer ring inner diameter (Di)       | 146.280 in   Metric reference: approximately 3,715.5 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)          |                                                                             |
|--------------------------------|-----------------------------------------------------------------------------|
| Inner ring outer diameter (do) | 146.080 in   Metric reference: approximately 3,710.4 mm                     |
| Overall height (H)             | 9.000 in   Metric reference: approximately 229 mm                           |
| Assembly weight (G)            | 10100 lb   Metric reference: approximately 4,581.283 kg                     |
| MOUNTING                       |                                                                             |
| Outer ring bolt circle (Lo)    | 154.000 in   Metric reference: approximately 3,912 mm                       |
| Inner ring bolt circle (Li)    | 140.500 in   Metric reference: approximately 3,569 mm                       |
| PERFORMANCE                    |                                                                             |
| Moment load rating (Crm)       | 20124000 ft lbf   Metric reference: approximately 27,284.48 kN m            |
| PERFORMANCE RATINGS            |                                                                             |
| Moment                         | 20124000.0000000000 ft lbf   Metric reference: approximately 27,284.48 kN m |
| MOUNTING INTERFACES            |                                                                             |
| Outer ring mounting            | 100 holes - 1.563                                                           |
| Inner ring mounting            | 100 holes - 1.563                                                           |
| GEAR INTERFACE                 |                                                                             |
| Integral gear                  | Not applicable - ungeared bearing                                           |
| SOURCE TRACEABILITY            |                                                                             |
| Source document code           | KAYDON-CAT390                                                               |
| Source file                    | Kaydon_Catalog_390.pdf                                                      |
| PDF page                       | 106                                                                         |
| Printed page                   | 104                                                                         |
| Source language                | EN-US                                                                       |

# 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) |      |
|---------------------------------|------|
| Original unit system            | Inch |

Source and Verification Traceability

|                                                                               |                                                                       |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <div>PUBLIC RECORD UID</div> <div>XTHC3D4XB6VKUFVVCX47ECHTFI</div>            | <div>SOURCE DOCUMENT</div> <div>KAYDON-CAT390</div>                   |
| <div>SOURCE FILE</div> <div>Kaydon_Catalog_390.pdf</div>                      | <div>SOURCE LOCATION</div> <div>PDF page 106   Printed page 104</div> |
| <div>VERIFICATION</div> <div>Level 3 - MERYDOM Engineering<br/>Verified</div> | <div>REVIEWED BY</div> <div>MERYDOM Engineering Department</div>      |

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](mailto:jovi@merydom.com) | Email: [andi@merydom.com](mailto:andi@merydom.com) | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/kaydon/16356001/>

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.