

Factory-Verified Replacement

MERYDOM 16350001

Certified for interchange with Kaydon 16350001. 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

16350001

REFERENCE

Kaydon 16350001

SERIES

TR Series

STRUCTURE

Three-row roller

OVERALL OD

1,445.006 mm

OVERALL ID

1,054.989 mm

OVERALL HEIGHT

219.989 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	16350001
Certified interchangeable with	Kaydon 16350001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	ZU3NVAO6KDPFCLD3BVB54HXI7B
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	16350001
Bearing structure	Three-row roller
Gear arrangement	Ungeared
DIMENSION	
Overall outside diameter (Do)	56.890 in Metric reference: approximately 1,445 mm
Overall inside diameter (di)	41.535 in Metric reference: approximately 1,054.99 mm
Outer ring inner diameter (Di)	47.215 in Metric reference: approximately 1,199.26 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Inner ring outer diameter (do)	47.563 in Metric reference: approximately 1,208.1 mm
Overall height (H)	8.661 in Metric reference: approximately 219.99 mm
Assembly weight (G)	2450 lb Metric reference: approximately 1,111.301 kg
MOUNTING	
Outer ring bolt circle (Lo)	54.843 in Metric reference: approximately 1,393.01 mm
Inner ring bolt circle (Li)	43.583 in Metric reference: approximately 1,107.01 mm
PERFORMANCE	
Moment load rating (Crm)	1275900 ft lbf Metric reference: approximately 1,729.89 kN m
PERFORMANCE RATINGS	
Moment	1275900.0000000000 ft lbf Metric reference: approximately 1,729.89 kN m
MOUNTING INTERFACES	
Outer ring mounting	48 holes - 1.024
Inner ring mounting	48 holes - 1.024
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

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SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID ZU3NVAO6KDPFCLD3BVB54HXI7B	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 106 Printed page 104
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/16350001/>

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.