

Factory-Verified Replacement

MERYDOM 16388001

Certified for interchange with Kaydon 16388001. 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

16388001

REFERENCE

Kaydon 16388001

SERIES

TR Series

STRUCTURE

Three-row roller

OVERALL OD

5,918.2 mm

OVERALL ID

5,156.2 mm

OVERALL HEIGHT

298.45 mm

GEAR

External gear

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	16388001
Certified interchangeable with	Kaydon 16388001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	VY6TPM5ZRDTJREA7AIYCQQAXGU
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	16388001
Bearing structure	Three-row roller
Gear arrangement	External gear
DIMENSION	
Overall outside diameter (Do)	233.000 in Metric reference: approximately 5,918 mm
Overall inside diameter (di)	203.000 in Metric reference: approximately 5,156 mm
Outer ring body OD (Dr)	228.000 in Metric reference: approximately 5,791 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)	
Outer ring inner diameter (Di)	216.880 in Metric reference: approximately 5,508.8 mm
Inner ring outer diameter (do)	217.380 in Metric reference: approximately 5,521.5 mm
Overall height (H)	11.750 in Metric reference: approximately 298.5 mm
Assembly weight (G)	25500 lb Metric reference: approximately 11,566.605 kg
MOUNTING	
Outer ring bolt circle (Lo)	224.000 in Metric reference: approximately 5,690 mm
Inner ring bolt circle (Li)	207.000 in Metric reference: approximately 5,258 mm
GEAR	
Gear pitch diameter (D2)	230.000 in Metric reference: approximately 5,842 mm
Diametral pitch (Pd)	1
Gear tooth count (z2)	230
PERFORMANCE	
Maximum gear tooth load (Fz)	130300 lbf Metric reference: approximately 579.6 kN
Moment load rating (Crm)	43823000 ft lbf Metric reference: approximately 59,416.01 kN m
PERFORMANCE RATINGS	
Moment	43823000.0000000000 ft lbf Metric reference: approximately 59,416.01 kN m
Gear Tooth	130300.0000000000 lbf Metric reference: approximately 579.6 kN
MOUNTING INTERFACES	
Outer ring mounting	150 holes - 1.563
Inner ring mounting	150 holes - 1.563

Complete Product Data

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GEAR INTERFACE	
Pitch system	DP
Diametral pitch	1 DP
Module reference	25.4 mm
Number of teeth	230
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390
Source file	Kaydon_Catalog_390.pdf
PDF page	110
Printed page	108
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID VY6TPM5ZRDTJREA7AIYCQQAXGU	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 110 Printed page 108
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/16388001/>

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.