

Factory-Verified Replacement

MERYDOM 16384001

Certified for interchange with Kaydon 16384001. 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

16384001

REFERENCE

Kaydon 16384001

SERIES

TR Series

STRUCTURE

s ral makaral

OVERALL OD

4,760.011 mm

OVERALL ID

4,139.997 mm

OVERALL HEIGHT

235.001 mm

GEAR

ten di li

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	16384001
Certified interchangeable with	Kaydon 16384001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	20FUWBWJRL2KDB4KV5BBMAG3AU
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	16384001
Bearing structure	s ral makaral
Gear arrangement	ten di li
DIMENSION	
Overall outside diameter (Do)	187.402 in Metric reference: yakla k 4 760,01 mm
Overall inside diameter (di)	162.992 in Metric reference: yakla k 4 140 mm
Outer ring inner diameter (Di)	175.158 in Metric reference: yakla k 4 449,01 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Inner ring outer diameter (do)	175.591 in Metric reference: yakla k 4 460,01 mm
Overall height (H)	9.252 in Metric reference: yakla k 235 mm
Assembly weight (G)	14200 lb Metric reference: yakla k 6 441,012 kg
MOUNTING	
Outer ring bolt circle (Lo)	183.858 in Metric reference: yakla k 4 669,99 mm
Inner ring bolt circle (Li)	169.882 in Metric reference: yakla k 4 315 mm
GEAR	
Gear pitch diameter (D2)	164.567 in Metric reference: yakla k 4 180 mm
Gear tooth count (z2)	209
PERFORMANCE	
Maximum gear tooth load (Fz)	128000 lbf Metric reference: yakla k 569,37 kN
Moment load rating (Crm)	28772000 ft lbf Metric reference: yakla k 39 009,59 kN m
PERFORMANCE RATINGS	
Moment	28772000.0000000000 ft lbf Metric reference: yakla k 39 009,59 kN m
Gear Tooth	128000.0000000000 lbf Metric reference: yakla k 569,37 kN
MOUNTING INTERFACES	
Outer ring mounting	90 holes - 1.535
Inner ring mounting	90 holes - 1.535
GEAR INTERFACE	
Pitch system	MODULE
Module reference	20 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.

GEAR INTERFACE (CONTINUED)	
Number of teeth	209
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390
Source file	Kaydon_Catalog_390.pdf
PDF page	108
Printed page	106
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID
2OFUWBWJRL2KDB4KV5BBMAG3AU

SOURCE DOCUMENT
KAYDON-CAT390

SOURCE FILE
Kaydon_Catalog_390.pdf

SOURCE LOCATION
PDF page 108 | Printed page 106

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/tr/urunler/muadil-doner-tabla-rulmanlari/kaydon/16384001/>

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.