Factory-Verified Replacement

MERYDOM 16379001

Certified for interchange with Kaydon 16379001. 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	REFERENCE
16379001	**Kaydon 16379001**
SERIES	STRUCTURE
TR Series	**Three-row roller**
OVERALL OD	OVERALL ID
2,215.998 mm	**1,728.013 mm**
OVERALL HEIGHT	GEAR
177.013 mm	**Internal 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	16379001
Certified interchangeable with	Kaydon 16379001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	RFVTPN4743I5E2XNEIVI4TTU73
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	16379001
Bearing structure	Three-row roller
Gear arrangement	Internal gear
DIMENSION	
Overall outside diameter (Do)	87.244 in | Metric reference: approximately 2,216 mm
Overall inside diameter (di)	68.032 in | Metric reference: approximately 1,728.01 mm
Outer ring inner diameter (Di)	77.764 in | Metric reference: approximately 1,975.21 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Inner ring outer diameter (do)	78.112 in | Metric reference: approximately 1,984.04 mm
Inner ring body ID (dr)	71.102 in | Metric reference: approximately 1,805.99 mm
Overall height (H)	6.969 in | Metric reference: approximately 177.01 mm
Assembly weight (G)	3460 lb | Metric reference: approximately 1,569.43 kg
MOUNTING	
Outer ring bolt circle (Lo)	84.646 in | Metric reference: approximately 2,150.01 mm
Inner ring bolt circle (Li)	73.819 in | Metric reference: approximately 1,875 mm
GEAR	
Gear pitch diameter (D2)	68.661 in | Metric reference: approximately 1,743.99 mm
Gear tooth count (z2)	109
PERFORMANCE	
Maximum gear tooth load (Fz)	60240 lbf | Metric reference: approximately 267.96 kN
Moment load rating (Crm)	4250900 ft lbf | Metric reference: approximately 5,763.45 kN m
PERFORMANCE RATINGS	
Moment	4250900.0000000000 ft lbf | Metric reference: approximately 5,763.45 kN m
Gear Tooth	60240.0000000000 lbf | Metric reference: approximately 267.96 kN
MOUNTING INTERFACES	
Outer ring mounting	60 holes - 1.299
Inner ring mounting	60 holes - 1.299
GEAR INTERFACE	
Pitch system	MODULE

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)	
Module reference	16 mm
Number of teeth	109
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

RFVTPN4743I5E2XNEIVI4TTU73

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/products/slewing-bearing-replacements/kaydon/16379001/