Factory-Verified Replacement

MERYDOM 16368001

Certified for interchange with Kaydon 16368001. 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
16368001	**Kaydon 16368001**
SERIES	STRUCTURE
TR Series	**Three-row roller**
OVERALL OD	OVERALL ID
1,811.985 mm	**1,447.8 mm**
OVERALL HEIGHT	GEAR
148.59 mm	**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	16368001
Certified interchangeable with	Kaydon 16368001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	YUPMX3HHX3RIWY6M3PMO4EN6JW
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	16368001
Bearing structure	Three-row roller
Gear arrangement	External gear
DIMENSION	
Overall outside diameter (Do)	71.338 in | Metric reference: approximately 1,811.99 mm
Overall inside diameter (di)	57.000 in | Metric reference: approximately 1,448 mm
Outer ring body OD (Dr)	69.040 in | Metric reference: approximately 1,753.6 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)	63.760 in | Metric reference: approximately 1,619.5 mm
Inner ring outer diameter (do)	64.030 in | Metric reference: approximately 1,626.4 mm
Inner ring body ID (dr)	57.080 in | Metric reference: approximately 1,449.8 mm
Overall height (H)	5.850 in | Metric reference: approximately 148.6 mm
Assembly weight (G)	1600 lb | Metric reference: approximately 725.748 kg
MOUNTING	
Outer ring bolt circle (Lo)	66.889 in | Metric reference: approximately 1,698.98 mm
Inner ring bolt circle (Li)	59.252 in | Metric reference: approximately 1,505 mm
GEAR	
Gear pitch diameter (D2)	69.921 in | Metric reference: approximately 1,775.99 mm
Gear tooth count (z2)	148
PERFORMANCE	
Maximum gear tooth load (Fz)	27510 lbf | Metric reference: approximately 122.37 kN
Moment load rating (Crm)	1329900 ft lbf | Metric reference: approximately 1,803.1 kN m
PERFORMANCE RATINGS	
Moment	1329900.0000000000 ft lbf | Metric reference: approximately 1,803.1 kN m
Gear Tooth	27510.0000000000 lbf | Metric reference: approximately 122.37 kN
MOUNTING INTERFACES	
Outer ring mounting	60 holes - 1.024
Inner ring mounting	60 holes - 1.024

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	
Pitch system	MODULE
Module reference	12 mm
Number of teeth	148
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

YUPMX3HHX3RIWY6M3PMO4EN6JW

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/16368001/