

Factory-Verified Replacement

MERYDOM 16371001

Certified for interchange with Kaydon 16371001. 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

16371001

REFERENCE

Kaydon 16371001

SERIES

TR Series

STRUCTURE

Three-row roller

OVERALL OD

3,880.002 mm

OVERALL ID

3,299.993 mm

OVERALL HEIGHT

254.991 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	16371001
Certified interchangeable with	Kaydon 16371001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	EY43KZQIV3GGTNFSDNAMS4Y5GG
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	16371001
Bearing structure	Three-row roller
Gear arrangement	External gear
DIMENSION	
Overall outside diameter (Do)	152.756 in Metric reference: approximately 3,880 mm
Overall inside diameter (di)	129.921 in Metric reference: approximately 3,299.99 mm
Outer ring inner diameter (Di)	141.535 in Metric reference: approximately 3,594.99 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)	
Inner ring outer diameter (do)	141.339 in Metric reference: approximately 3,590.01 mm
Overall height (H)	10.039 in Metric reference: approximately 254.99 mm
Assembly weight (G)	11130 lb Metric reference: approximately 5,048.483 kg
MOUNTING	
Outer ring bolt circle (Lo)	145.669 in Metric reference: approximately 3,699.99 mm
Inner ring bolt circle (Li)	133.465 in Metric reference: approximately 3,390.01 mm
GEAR	
Gear pitch diameter (D2)	150.394 in Metric reference: approximately 3,820.01 mm
Gear tooth count (z2)	191
PERFORMANCE	
Maximum gear tooth load (Fz)	117500 lbf Metric reference: approximately 522.67 kN
Moment load rating (Crm)	11652000 ft · lbf Metric reference: approximately 15,797.99 kN · m
PERFORMANCE RATINGS	
Moment	11652000.0000000000 ft · lbf Metric reference: approximately 15,797.99 kN · m
Gear Tooth	117500.0000000000 lbf Metric reference: approximately 522.67 kN
MOUNTING INTERFACES	
Outer ring mounting	90 holes - 1.299
Inner ring mounting	90 holes - 1.299
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	191
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 EY43KZQIV3GGTNFSDNAMS4Y5GG	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/16371001/>

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.