

Factory-Verified Replacement

MERYDOM 16372001

Certified for interchange with Kaydon 16372001. 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

16372001

REFERENCE

Kaydon 16372001

SERIES

TR Series

STRUCTURE

Rulli a tre file

OVERALL OD

4,320.007 mm

OVERALL ID

3,680.003 mm

OVERALL HEIGHT

252.501 mm

GEAR

Dentatura esterna

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	16372001
Certified interchangeable with	Kaydon 16372001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	UOZVJJXPF2PL4MDMARBRANJD63
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	16372001
Bearing structure	Rulli a tre file
Gear arrangement	Dentatura esterna
DIMENSION	
Overall outside diameter (Do)	170.079 in Metric reference: circa 4.320,01 mm
Overall inside diameter (di)	144.882 in Metric reference: circa 3.680 mm
Outer ring inner diameter (Di)	156.729 in Metric reference: circa 3.980,92 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Inner ring outer diameter (do)	157.155 in Metric reference: circa 3.991,74 mm
Overall height (H)	9.941 in Metric reference: circa 252,5 mm
Assembly weight (G)	13830 lb Metric reference: circa 6.273,182 kg
MOUNTING	
Outer ring bolt circle (Lo)	162.992 in Metric reference: circa 4.140 mm
Inner ring bolt circle (Li)	148.425 in Metric reference: circa 3.770 mm
GEAR	
Gear pitch diameter (D2)	168.504 in Metric reference: circa 4.280 mm
Gear tooth count (z2)	214
PERFORMANCE	
Maximum gear tooth load (Fz)	111600 lbf Metric reference: circa 496,42 kN
Moment load rating (Crm)	24086000 ft lbf Metric reference: circa 32.656,23 kN m
PERFORMANCE RATINGS	
Moment	24086000.0000000000 ft lbf Metric reference: circa 32.656,23 kN m
Gear Tooth	111600.0000000000 lbf Metric reference: circa 496,42 kN
MOUNTING INTERFACES	
Outer ring mounting	120 holes - 1.535
Inner ring mounting	120 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	214
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 UOZVJJXPF2PL4MDMARBRANJD63	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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/kaydon/16372001/>

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.