

Factory-Verified Replacement

MERYDOM 16367001

Certified for interchange with Kaydon 16367001. 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

16367001

REFERENCE

Kaydon 16367001

SERIES

TR Series

STRUCTURE

Rolos de tr s carreiras

OVERALL OD

1,450.34 mm

OVERALL ID

1,079.5 mm

OVERALL HEIGHT

127 mm

GEAR

Engrenagem externa

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	16367001
Certified interchangeable with	Kaydon 16367001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	7KOJTLPXVT4ZIBXMS7BNGYCDWT
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	16367001
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Engrenagem externa
DIMENSION	
Overall outside diameter (Do)	57.100 in Metric reference: aproximadamente 1.450 mm
Overall inside diameter (di)	42.500 in Metric reference: aproximadamente 1.080 mm
Outer ring body OD (Dr)	53.750 in Metric reference: aproximadamente 1.365,3 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Outer ring inner diameter (Di)	48.850 in Metric reference: aproximadamente 1.240,8 mm
Inner ring outer diameter (do)	49.090 in Metric reference: aproximadamente 1.246,9 mm
Inner ring body ID (dr)	42.630 in Metric reference: aproximadamente 1.082,8 mm
Overall height (H)	5.000 in Metric reference: aproximadamente 127 mm
Assembly weight (G)	1250 lb Metric reference: aproximadamente 566,99 kg
MOUNTING	
Outer ring bolt circle (Lo)	52.000 in Metric reference: aproximadamente 1.321 mm
Inner ring bolt circle (Li)	44.375 in Metric reference: aproximadamente 1.127,13 mm
GEAR	
Gear pitch diameter (D2)	56.000 in Metric reference: aproximadamente 1.422 mm
Diametral pitch (Pd)	1,5
Gear tooth count (z2)	84
PERFORMANCE	
Maximum gear tooth load (Fz)	46750 lbf Metric reference: aproximadamente 207,95 kN
Moment load rating (Crm)	829300 ft lbf Metric reference: aproximadamente 1.124,38 kN m
PERFORMANCE RATINGS	
Moment	829300.0000000000 ft lbf Metric reference: aproximadamente 1.124,38 kN m
Gear Tooth	46750.0000000000 lbf Metric reference: aproximadamente 207,95 kN
MOUNTING INTERFACES	
Outer ring mounting	40 holes - 1.094
Inner ring mounting	40 holes - 1.094

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GEAR INTERFACE	
Pitch system	DP
Diametral pitch	1.5 DP
Module reference	16.933333 mm
Number of teeth	84
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 7KOJTLPXVT4ZIBXMS7BNGYCDWT	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

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Product page: <https://rotnex.com/pt/produtos/rolamentos-de-giro-de-substituicao/kaydon/16367001/>

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.