

Factory-Verified Replacement

MERYDOM 16353001

Certified for interchange with Kaydon 16353001. 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

16353001

REFERENCE

Kaydon 16353001

SERIES

TR Series

STRUCTURE

Rolos de tr s carreiras

OVERALL OD

3,012.008 mm

OVERALL ID

2,480.005 mm

OVERALL HEIGHT

194.996 mm

GEAR

Sem engrenagem

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	16353001
Certified interchangeable with	Kaydon 16353001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CPIQZEKRDAPDW3M2XJ4E43ZU5H
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	16353001
Bearing structure	Rolos de tr s carreiras
Gear arrangement	Sem engrenagem
DIMENSION	
Overall outside diameter (Do)	118.583 in Metric reference: aproximadamente 3.012,01 mm
Overall inside diameter (di)	97.638 in Metric reference: aproximadamente 2.480,01 mm
Outer ring inner diameter (Di)	107.087 in Metric reference: aproximadamente 2.720,01 mm

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DIMENSION (CONTINUED)	
Inner ring outer diameter (do)	107.402 in Metric reference: aproximadamente 2.728,01 mm
Overall height (H)	7.677 in Metric reference: aproximadamente 195 mm
Assembly weight (G)	6280 lb Metric reference: aproximadamente 2.848,56 kg
MOUNTING	
Outer ring bolt circle (Lo)	115.039 in Metric reference: aproximadamente 2.921,99 mm
Inner ring bolt circle (Li)	101.181 in Metric reference: aproximadamente 2.570 mm
PERFORMANCE	
Moment load rating (Crm)	7936000 ft lbf Metric reference: aproximadamente 10.759,77 kN m
PERFORMANCE RATINGS	
Moment	7936000.0000000000 ft lbf Metric reference: aproximadamente 10.759,77 kN m
MOUNTING INTERFACES	
Outer ring mounting	72 holes - 1.535
Inner ring mounting	72 holes - 1.535
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390
Source file	Kaydon_Catalog_390.pdf
PDF page	106
Printed page	104
Source language	EN-US

Complete Product Data

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SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID CPIQZEKRDAPDW3M2XJ4E43ZU5H	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 106 Printed page 104
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/pt/produtos/rolamentos-de-giro-de-substituicao/kaydon/16353001/>

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.