

Factory-Verified Replacement

MERYDOM 16265001

Certified for interchange with Kaydon 16265001. 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

16265001

REFERENCE

Kaydon 16265001

SERIES

DT Series

STRUCTURE

Esferas de contato de oito pontos

OVERALL OD

1,428.496 mm

OVERALL ID

1,050.798 mm

OVERALL HEIGHT

180.975 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	16265001
Certified interchangeable with	Kaydon 16265001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	CKO2XGKBPPJIG3QVEUPSPWZTN4
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	DT Series
Reference model	16265001
Bearing structure	Esferas de contato de oito pontos
Gear arrangement	Engrenagem externa
DIMENSION	
Overall outside diameter (Do)	56.240 in Metric reference: aproximadamente 1.428,5 mm
Overall inside diameter (di)	41.370 in Metric reference: aproximadamente 1.050,8 mm
Outer ring body OD (Dr)	54.675 in Metric reference: aproximadamente 1.388,75 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	7.125 in Metric reference: aproximadamente 180,98 mm
Assembly weight (G)	1730 lb Metric reference: aproximadamente 784,715 kg
MOUNTING	
Outer ring bolt circle (Lo)	52.000 in Metric reference: aproximadamente 1.321 mm
Inner ring bolt circle (Li)	44.000 in Metric reference: aproximadamente 1.118 mm
GEAR	
Gear pitch diameter (D2)	55.600 in Metric reference: aproximadamente 1.412 mm
Diametral pitch (Pd)	2,5
Gear tooth count (z2)	139
PERFORMANCE	
Maximum gear tooth load (Fz)	30480 lbf Metric reference: aproximadamente 135,58 kN
Moment load rating (Crm)	2132100 ft lbf Metric reference: aproximadamente 2.890,74 kN · m
PERFORMANCE RATINGS	
Moment	2132100.0000000000 ft lbf Metric reference: aproximadamente 2.890,74 kN · m
Gear Tooth	30480.0000000000 lbf Metric reference: aproximadamente 135,58 kN
MOUNTING INTERFACES	
Outer ring mounting	30 holes - 1.313
Inner ring mounting	30 holes - 1.313
GEAR INTERFACE	
Pitch system	DP
Diametral pitch	2.5 DP

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)	
Module reference	10.16 mm
Number of teeth	139
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390
Source file	Kaydon_Catalog_390.pdf
PDF page	92
Printed page	90
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID CKO2XGKBPPJIG3QVEUPSPWZTN4	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 92 Printed page 90
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/16265001/>

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.