

Factory-Verified Replacement

MERYDOM 16264001

Certified for interchange with Kaydon 16264001. 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

16264001

REFERENCE

Kaydon 16264001

SERIES

DT Series

STRUCTURE

Eight-point contact ball

OVERALL OD

1,270.406 mm

OVERALL ID

978.002 mm

OVERALL HEIGHT

140.005 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	16264001
Certified interchangeable with	Kaydon 16264001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JGUUDYYVY7CDIAH4SDQM554QCY
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	16264001
Bearing structure	Eight-point contact ball
Gear arrangement	External gear
DIMENSION	
Overall outside diameter (Do)	50.016 in Metric reference: approximately 1,270.41 mm
Overall inside diameter (di)	38.504 in Metric reference: approximately 978 mm
Outer ring body OD (Dr)	48.425 in Metric reference: approximately 1,230 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	5.512 in Metric reference: approximately 140 mm
Assembly weight (G)	870 lb Metric reference: approximately 394.625 kg
MOUNTING	
Outer ring bolt circle (Lo)	46.496 in Metric reference: approximately 1,181 mm
Inner ring bolt circle (Li)	40.551 in Metric reference: approximately 1,030 mm
GEAR	
Gear pitch diameter (D2)	49.134 in Metric reference: approximately 1,248 mm
Gear tooth count (z2)	156
PERFORMANCE	
Maximum gear tooth load (Fz)	19390 lbf Metric reference: approximately 86.25 kN
Moment load rating (Crm)	970400 ft lbf Metric reference: approximately 1,315.69 kN m
PERFORMANCE RATINGS	
Moment	970400.0000000000 ft lbf Metric reference: approximately 1,315.69 kN m
Gear Tooth	19390.0000000000 lbf Metric reference: approximately 86.25 kN
MOUNTING INTERFACES	
Outer ring mounting	42 holes - M24x3
Inner ring mounting	48 holes - 1.024
GEAR INTERFACE	
Pitch system	MODULE
Module reference	8 mm
Number of teeth	156

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.

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 JGUUDYYVY7CDIAH4SDQM554QCY	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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/kaydon/16264001/>

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.