

Factory-Verified Replacement

MERYDOM 16270001

Certified for interchange with Kaydon 16270001. 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

16270001

REFERENCE

Kaydon 16270001

SERIES

DT Series

STRUCTURE

Sekiz nokta temaslı bilyalı

OVERALL OD

2,615.997 mm

OVERALL ID

2,137.004 mm

OVERALL HEIGHT

183.007 mm

GEAR

D tan dli

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	16270001
Certified interchangeable with	Kaydon 16270001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	PEJEKBVLYV35PPAA5S2726SL3S
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	16270001
Bearing structure	Sekiz nokta temasl bilyal
Gear arrangement	D tan di li
DIMENSION	
Overall outside diameter (Do)	102.992 in Metric reference: yakla k 2 616 mm
Overall inside diameter (di)	84.134 in Metric reference: yakla k 2 137 mm
Outer ring body OD (Dr)	99.331 in Metric reference: yakla k 2 523,01 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	7.205 in Metric reference: yakla k 183,01 mm
Assembly weight (G)	3970 lb Metric reference: yakla k 1 800,762 kg
MOUNTING	
Outer ring bolt circle (Lo)	95.906 in Metric reference: yakla k 2 436,01 mm
Inner ring bolt circle (Li)	87.205 in Metric reference: yakla k 2 215,01 mm
GEAR	
Gear pitch diameter (D2)	100.787 in Metric reference: yakla k 2 559,99 mm
Gear tooth count (z2)	128
PERFORMANCE	
Maximum gear tooth load (Fz)	92060 lbf Metric reference: yakla k 409,5 kN
Moment load rating (Crm)	3658500 ft lbf Metric reference: yakla k 4 960,26 kN m
PERFORMANCE RATINGS	
Moment	3658500.0000000000 ft lbf Metric reference: yakla k 4 960,26 kN m
Gear Tooth	92060.0000000000 lbf Metric reference: yakla k 409,5 kN
MOUNTING INTERFACES	
Outer ring mounting	64 holes - 1.299
Inner ring mounting	68 holes - 1.535
GEAR INTERFACE	
Pitch system	MODULE
Module reference	20 mm
Number of teeth	128

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 PEJEKBVLYV35PPAA5S2726SL3S	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/tr/urunler/muadil-doner-tabla-rulmanlari/kaydon/16270001/>

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.