

Factory-Verified Replacement

MERYDOM 16258001

Certified for interchange with Kaydon 16258001. 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

16258001

REFERENCE

Kaydon 16258001

SERIES

DT Series

STRUCTURE

Eight-point contact ball

OVERALL OD

433.984 mm

OVERALL ID

260.35 mm

OVERALL HEIGHT

84.15 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	16258001
Certified interchangeable with	Kaydon 16258001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	WF6ILNNWLF25K3FAXBOTEMM6P
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	16258001
Bearing structure	Eight-point contact ball
Gear arrangement	External gear
DIMENSION	
Overall outside diameter (Do)	17.086 in Metric reference: approximately 433.98 mm
Overall inside diameter (di)	10.250 in Metric reference: approximately 260.4 mm
Outer ring body OD (Dr)	17.086 in Metric reference: approximately 433.98 mm

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.

DIMENSION (CONTINUED)	
Overall height (H)	3.313 in Metric reference: approximately 84.15 mm
Assembly weight (G)	105 lb Metric reference: approximately 47.627 kg
MOUNTING	
Outer ring bolt circle (Lo)	15.354 in Metric reference: approximately 389.99 mm
Inner ring bolt circle (Li)	11.614 in Metric reference: approximately 295 mm
GEAR	
Gear pitch diameter (D2)	16.800 in Metric reference: approximately 427 mm
Gear tooth count (z2)	84
PERFORMANCE	
Maximum gear tooth load (Fz)	6850 lbf Metric reference: approximately 30.47 kN
Moment load rating (Crm)	65200 ft lbf Metric reference: approximately 88.4 kN m
PERFORMANCE RATINGS	
Moment	65200.0000000000 ft lbf Metric reference: approximately 88.4 kN m
Gear Tooth	6850.0000000000 lbf Metric reference: approximately 30.47 kN
MOUNTING INTERFACES	
Outer ring mounting	18 holes - 0.563
Inner ring mounting	24 holes - 0.563
GEAR INTERFACE	
Pitch system	SPECIAL_DP
Number of teeth	84
SOURCE TRACEABILITY	

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 (CONTINUED)	
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 WF6ILNNWLF25K3FAXBOTEMM6P	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/16258001/>

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.