

Factory-Verified Replacement

MERYDOM 16389001

Certified for interchange with Kaydon 16389001. 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

16389001

REFERENCE

Kaydon 16389001

SERIES

XT Series

STRUCTURE

Four-point contact ball

OVERALL OD

2,234.997 mm

OVERALL ID

1,754.988 mm

OVERALL HEIGHT

153.01 mm

GEAR

Ungeared

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	16389001
Certified interchangeable with	Kaydon 16389001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	3JVSAXAZUKJY66EFW3C7ZG4AMG
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	XT Series
Reference model	16389001
Bearing structure	Four-point contact ball
Gear arrangement	Ungearred
DIMENSION	
Overall outside diameter (Do)	87.992 in Metric reference: approximately 2,235 mm
Overall inside diameter (di)	69.094 in Metric reference: approximately 1,754.99 mm
Overall height (H)	6.024 in Metric reference: approximately 153.01 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)	
Assembly weight (G)	3330 lb Metric reference: approximately 1,510.463 kg
MOUNTING	
Outer ring bolt circle (Lo)	83.543 in Metric reference: approximately 2,121.99 mm
Inner ring bolt circle (Li)	73.543 in Metric reference: approximately 1,867.99 mm
PERFORMANCE	
Moment load rating (Crm)	3675000 ft lbf Metric reference: approximately 4,982.63 kN m
PERFORMANCE RATINGS	
Moment	3675000.0000000000 ft lbf Metric reference: approximately 4,982.63 kN m
MOUNTING INTERFACES	
Outer ring mounting	52 holes - 1.535
Inner ring mounting	52 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	78
Printed page	76
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID 3JVSAXAZUKJY66EFW3C7ZG4AMG	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 78 Printed page 76
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/16389001/>

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.