

Factory-Verified Replacement

MERYDOM 16321001

Certified for interchange with Kaydon 16321001. 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

16321001

REFERENCE

Kaydon 16321001

SERIES

XR Series

STRUCTURE

Cross roller

OVERALL OD

896.925 mm

OVERALL ID

676.275 mm

OVERALL HEIGHT

75.006 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	16321001
Certified interchangeable with	Kaydon 16321001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	PWOAJ2HNLNFLG3ENPOU72ZYPZ
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	XR Series
Reference model	16321001
Bearing structure	Cross roller
Gear arrangement	Ungeared
DIMENSION	
Overall outside diameter (Do)	35.312 in Metric reference: approximately 896.92 mm
Overall inside diameter (di)	26.625 in Metric reference: approximately 676.28 mm
Outer ring body OD (Dr)	35.251 in Metric reference: approximately 895.38 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)	
Inner ring body ID (dr)	26.750 in Metric reference: approximately 679.5 mm
Overall height (H)	2.953 in Metric reference: approximately 75.01 mm
Assembly weight (G)	325 lb Metric reference: approximately 147.418 kg
MOUNTING	
Outer ring bolt circle (Lo)	34.000 in Metric reference: approximately 864 mm
Inner ring bolt circle (Li)	29.000 in Metric reference: approximately 737 mm
PERFORMANCE	
Moment load rating (Crm)	116170 ft lbf Metric reference: approximately 157.51 kN m
PERFORMANCE RATINGS	
Moment	116170.0000000000 ft lbf Metric reference: approximately 157.51 kN m
Dynamic Radial	81310.0000000000 lbf Metric reference: approximately 361.68 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Thrust	91980.0000000000 lbf Metric reference: approximately 409.15 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Moment	116170.0000000000 ft lbf Metric reference: approximately 157.51 kN m L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	24 holes - 1/2-13
Inner ring mounting	24 holes - 0.590
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390

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 file	Kaydon_Catalog_390.pdf
PDF page	98
Printed page	96
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID PWOAJ2HNL MFLG3ENPOU72ZYFPZ	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 98 Printed page 96
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/16321001/>

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.