

Factory-Verified Replacement

MERYDOM 16328001

Certified for interchange with Kaydon 16328001. 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

16328001

REFERENCE

Kaydon 16328001

SERIES

XR Series

STRUCTURE

Cross roller

OVERALL OD

678.18 mm

OVERALL ID

474.142 mm

OVERALL HEIGHT

63.5 mm

GEAR

Internal 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	16328001
Certified interchangeable with	Kaydon 16328001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	YOF65WMGEEHEEKGT3FEXITMAGS
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	16328001
Bearing structure	Cross roller
Gear arrangement	Internal gear
DIMENSION	
Overall outside diameter (Do)	26.700 in Metric reference: approximately 678 mm
Overall inside diameter (di)	18.667 in Metric reference: approximately 474.14 mm
Overall height (H)	2.500 in Metric reference: approximately 64 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)	130 lb Metric reference: approximately 58.967 kg
MOUNTING	
Outer ring bolt circle (Lo)	24.500 in Metric reference: approximately 622 mm
Inner ring bolt circle (Li)	20.500 in Metric reference: approximately 521 mm
GEAR	
Gear pitch diameter (D2)	19.000 in Metric reference: approximately 483 mm
Diametral pitch (Pd)	6
Gear tooth count (z2)	114
PERFORMANCE	
Maximum gear tooth load (Fz)	6345 lbf Metric reference: approximately 28.22 kN
Moment load rating (Crm)	65430 ft lbf Metric reference: approximately 88.71 kN m
PERFORMANCE RATINGS	
Moment	65430.0000000000 ft lbf Metric reference: approximately 88.71 kN m
Gear Tooth	6345.0000000000 lbf Metric reference: approximately 28.22 kN
Dynamic Radial	64620.0000000000 lbf Metric reference: approximately 287.44 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Thrust	73810.0000000000 lbf Metric reference: approximately 328.32 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Moment	65430.0000000000 ft lbf Metric reference: approximately 88.71 kN m L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	18 holes - 1/2-13

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.

MOUNTING INTERFACES (CONTINUED)	
Inner ring mounting	18 holes - 1/2-13
GEAR INTERFACE	
Pitch system	DP
Diametral pitch	6 DP
Module reference	4.233333 mm
Number of teeth	114
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390
Source file	Kaydon_Catalog_390.pdf
PDF page	100
Printed page	98
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID YOF65WMGEEHEEKGT3FEXITMAGS	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 100 Printed page 98
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/16328001/>

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.