

Factory-Verified Replacement

MERYDOM 16332001

Certified for interchange with Kaydon 16332001. 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

16332001

REFERENCE

Kaydon 16332001

SERIES

XR Series

STRUCTURE

Rulli incrociati

OVERALL OD

1,390.396 mm

OVERALL ID

1,127.76 mm

OVERALL HEIGHT

114.3 mm

GEAR

Dentatura interna

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	16332001
Certified interchangeable with	Kaydon 16332001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	OKEHF4PH42HCXG4X7LZCWHLS6P
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	16332001
Bearing structure	Rulli incrociati
Gear arrangement	Dentatura interna
DIMENSION	
Overall outside diameter (Do)	54.740 in Metric reference: circa 1.390,4 mm
Overall inside diameter (di)	44.400 in Metric reference: circa 1.128 mm
Inner ring body ID (dr)	46.380 in Metric reference: circa 1.178,1 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)	4.500 in Metric reference: circa 114 mm
Assembly weight (G)	500 lb Metric reference: circa 226,796 kg
MOUNTING	
Outer ring bolt circle (Lo)	53.000 in Metric reference: circa 1.346 mm
Inner ring bolt circle (Li)	48.000 in Metric reference: circa 1.219 mm
GEAR	
Gear pitch diameter (D2)	45.200 in Metric reference: circa 1.148 mm
Diametral pitch (Pd)	2,5
Gear tooth count (z2)	113
PERFORMANCE	
Maximum gear tooth load (Fz)	28600 lbf Metric reference: circa 127,22 kN
Moment load rating (Crm)	460450 ft lbf Metric reference: circa 624,29 kN m
PERFORMANCE RATINGS	
Moment	460450.0000000000 ft lbf Metric reference: circa 624,29 kN m
Gear Tooth	28600.0000000000 lbf Metric reference: circa 127,22 kN
Dynamic Radial	205410.0000000000 lbf Metric reference: circa 913,71 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Thrust	232690.0000000000 lbf Metric reference: circa 1.035,06 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Moment	460450.0000000000 ft lbf Metric reference: circa 624,29 kN m L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	36 holes - 0.922

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	36 holes - 7/8-14
GEAR INTERFACE	
Pitch system	DP
Diametral pitch	2.5 DP
Module reference	10.16 mm
Number of teeth	113
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 OKEHF4PH42HCXG4X7LZCWHLS6P	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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/kaydon/16332001/>

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.