

Factory-Verified Replacement

MERYDOM 16348001

Certified for interchange with Kaydon 16348001. 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

16348001

REFERENCE

Kaydon 16348001

SERIES

XR Series

STRUCTURE

apraz makaral

OVERALL OD

4,060.012 mm

OVERALL ID

3,599.993 mm

OVERALL HEIGHT

156.007 mm

GEAR

D tan di li

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	16348001
Certified interchangeable with	Kaydon 16348001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	IVJSPY7BTR4ZGNMND3QORW7WWT
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	16348001
Bearing structure	apraz makaral
Gear arrangement	D tan di li
DIMENSION	
Overall outside diameter (Do)	159.843 in Metric reference: yakla k 4 060,01 mm
Overall inside diameter (di)	141.732 in Metric reference: yakla k 3 599,99 mm
Overall height (H)	6.142 in Metric reference: yakla k 156,01 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Assembly weight (G)	5480 lb Metric reference: yakla k 2 485,686 kg
MOUNTING	
Outer ring bolt circle (Lo)	154.528 in Metric reference: yakla k 3 925,01 mm
Inner ring bolt circle (Li)	144.685 in Metric reference: yakla k 3 675 mm
GEAR	
Gear pitch diameter (D2)	158.110 in Metric reference: yakla k 4 016 mm
Gear tooth count (z2)	251
PERFORMANCE	
Maximum gear tooth load (Fz)	67650 lbf Metric reference: yakla k 300,92 kN
Moment load rating (Crm)	4874640 ft lbf Metric reference: yakla k 6 609,12 kN m
PERFORMANCE RATINGS	
Moment	4874640.0000000000 ft lbf Metric reference: yakla k 6 609,12 kN m
Gear Tooth	67650.0000000000 lbf Metric reference: yakla k 300,92 kN
Dynamic Radial	724030.0000000000 lbf Metric reference: yakla k 3 220,65 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Thrust	812320.0000000000 lbf Metric reference: yakla k 3 613,38 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Moment	4874640.0000000000 ft lbf Metric reference: yakla k 6 609,12 kN m L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	100 holes - 1.299
Inner ring mounting	100 holes - 1.299

Complete Product Data

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GEAR INTERFACE	
Pitch system	MODULE
Module reference	16 mm
Number of teeth	251
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390
Source file	Kaydon_Catalog_390.pdf
PDF page	102
Printed page	100
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID IVJSPY7BTR4ZGNMND3QORW7WWT	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 102 Printed page 100
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

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Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/kaydon/16348001/>

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.