

Factory-Verified Replacement

MERYDOM 16339001

Certified for interchange with Kaydon 16339001. 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

16339001

REFERENCE

Kaydon 16339001

SERIES

XR Series

STRUCTURE

Rolos cruzados

OVERALL OD

694.995 mm

OVERALL ID

477.012 mm

OVERALL HEIGHT

76.962 mm

GEAR

Engrenagem externa

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	16339001
Certified interchangeable with	Kaydon 16339001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	ND53PQMFODILB2PDH36XPSXYIB
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	16339001
Bearing structure	Rolos cruzados
Gear arrangement	Engrenagem externa
DIMENSION	
Overall outside diameter (Do)	27.362 in Metric reference: aproximadamente 694,99 mm
Overall inside diameter (di)	18.780 in Metric reference: aproximadamente 477 mm
Outer ring body OD (Dr)	26.380 in Metric reference: aproximadamente 670,1 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)	
Inner ring body ID (dr)	18.900 in Metric reference: aproximadamente 480 mm
Overall height (H)	3.030 in Metric reference: aproximadamente 77 mm
Assembly weight (G)	180 lb Metric reference: aproximadamente 81,647 kg
MOUNTING	
Outer ring bolt circle (Lo)	25.197 in Metric reference: aproximadamente 640 mm
Inner ring bolt circle (Li)	20.000 in Metric reference: aproximadamente 508 mm
GEAR	
Gear pitch diameter (D2)	26.969 in Metric reference: aproximadamente 685,01 mm
Gear tooth count (z2)	137
PERFORMANCE	
Maximum gear tooth load (Fz)	5725 lbf Metric reference: aproximadamente 25,47 kN
Moment load rating (Crm)	65660 ft ·lbf Metric reference: aproximadamente 89,02 kN ·m
PERFORMANCE RATINGS	
Moment	65660.0000000000 ft ·lbf Metric reference: aproximadamente 89,02 kN ·m
Gear Tooth	5725.0000000000 lbf Metric reference: aproximadamente 25,47 kN
Dynamic Radial	64560.0000000000 lbf Metric reference: aproximadamente 287,18 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Thrust	73730.0000000000 lbf Metric reference: aproximadamente 327,97 kN L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
Dynamic Moment	65660.0000000000 ft ·lbf Metric reference: aproximadamente 89,02 kN ·m L10: 1,000,000 revolutions Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	

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)	
Outer ring mounting	18 holes - 0.688
Inner ring mounting	18 holes - 0.688
GEAR INTERFACE	
Pitch system	MODULE
Module reference	5 mm
Number of teeth	137
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 ND53PQMFODILB2PDH36XPSXYIB	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/pt/produtos/rolamentos-de-giro-de-substituicao/kaydon/16339001/>

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.