

Factory-Verified Replacement

MERYDOM RK6-37N1Z

Certified for interchange with Kaydon RK6-37N1Z. 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

RK6-37N1Z

REFERENCE

Kaydon RK6-37N1Z

SERIES

RK Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

1,048.004 mm

OVERALL ID

841.578 mm

OVERALL HEIGHT

56.007 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	RK6-37N1Z
Certified interchangeable with	Kaydon RK6-37N1Z
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	FSAPUG4LJ6GFNI4YVT3WCZWCEQ
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	RK Series
Reference model	RK6-37N1Z
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura interna
DIMENSION	
Overall outside diameter (Do)	41.260 in Metric reference: circa 1.048 mm
Overall inside diameter (di)	33.133 in Metric reference: circa 841,58 mm
Outer ring body OD (Dr)	38.740 in Metric reference: circa 984 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)	
Outer ring inner diameter (Di)	37.090 in Metric reference: circa 942,1 mm
Inner ring outer diameter (do)	37.010 in Metric reference: circa 940,1 mm
Overall height (H)	2.205 in Metric reference: circa 56,01 mm
Assembly weight (G)	165 lb Metric reference: circa 74,843 kg
MOUNTING	
Outer ring bolt circle (Lo)	40.130 in Metric reference: circa 1.019,3 mm
Inner ring bolt circle (Li)	35.500 in Metric reference: circa 902 mm
GEAR	
Gear pitch diameter (D2)	33.667 in Metric reference: circa 855,14 mm
Diametral pitch (Pd)	3
Gear tooth count (z2)	101
PERFORMANCE	
Maximum gear tooth load (Fz)	8420 lbf Metric reference: circa 37,45 kN
Moment load rating (Crm)	65200 ft lbf Metric reference: circa 88,4 kN m
PERFORMANCE RATINGS	
Moment	65200.0000000000 ft lbf Metric reference: circa 88,4 kN m
Gear Tooth	8420.0000000000 lbf Metric reference: circa 37,45 kN
MOUNTING INTERFACES	
Outer ring mounting	18 holes - 0.688 through, equally spaced
Inner ring mounting	20 holes - 0.500-13 UNC-2B; 0.750 min full thread; equally spaced
GEAR INTERFACE	

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.

GEAR INTERFACE (CONTINUED)	
Pitch system	DP
Diametral pitch	3 DP
Module reference	8.466667 mm
Number of teeth	101
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390
Source file	Kaydon_Catalog_390.pdf
PDF page	51
Printed page	49
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID FSAPUG4LJ6GFNI4YVT3WCZWCEQ	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 51 Printed page 49
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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/kaydon/rk6-37n1z/>

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.