

Factory-Verified Replacement

MERYDOM RK6-29N1Z

Certified for interchange with Kaydon RK6-29N1Z. 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

**RK6-29N1Z**

REFERENCE

**Kaydon RK6-29N1Z**

SERIES

**RK Series**

STRUCTURE

**D rt nokta temasl bilyal**

OVERALL OD

**848.106 mm**

OVERALL ID

**650.24 mm**

OVERALL HEIGHT

**56.007 mm**

GEAR

**ten 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                        | RK6-29N1Z                                      |
| Certified interchangeable with       | Kaydon RK6-29N1Z                               |
| Verification status                  | Level 3 - MERYDOM Engineering Verified         |
| Reviewed by                          | MERYDOM Engineering Department                 |
| Public record UID                    | R7MUVLHNAOC42747DMZXS YTCT6                    |
| 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                      | RK6-29N1Z                                      |
| Bearing structure                    | D rt nokta temasl bilyal                       |
| Gear arrangement                     | ten di li                                      |
| DIMENSION                            |                                                |
| Overall outside diameter (Do)        | 33.390 in   Metric reference: yakla k 848,1 mm |
| Overall inside diameter (di)         | 25.600 in   Metric reference: yakla k 650 mm   |
| Outer ring body OD (Dr)              | 30.870 in   Metric reference: yakla k 784,1 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)          |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| Outer ring inner diameter (Di) | 29.220 in   Metric reference: yakla k 742,2 mm                    |
| Inner ring outer diameter (do) | 29.140 in   Metric reference: yakla k 740,2 mm                    |
| Overall height (H)             | 2.205 in   Metric reference: yakla k 56,01 mm                     |
| Assembly weight (G)            | 121 lb   Metric reference: yakla k 54,885 kg                      |
| MOUNTING                       |                                                                   |
| Outer ring bolt circle (Lo)    | 32.250 in   Metric reference: yakla k 819,2 mm                    |
| Inner ring bolt circle (Li)    | 27.630 in   Metric reference: yakla k 701,8 mm                    |
| GEAR                           |                                                                   |
| Gear pitch diameter (D2)       | 26.000 in   Metric reference: yakla k 660 mm                      |
| Diametral pitch (Pd)           | 4                                                                 |
| Gear tooth count (z2)          | 104                                                               |
| PERFORMANCE                    |                                                                   |
| Maximum gear tooth load (Fz)   | 6300 lbf   Metric reference: yakla k 28,02 kN                     |
| Moment load rating (Crm)       | 54200 ft lbf   Metric reference: yakla k 73,49 kN m               |
| PERFORMANCE RATINGS            |                                                                   |
| Moment                         | 54200.000000000000 ft lbf   Metric reference: yakla k 73,49 kN m  |
| Gear Tooth                     | 6300.000000000000 lbf   Metric reference: yakla k 28,02 kN        |
| MOUNTING INTERFACES            |                                                                   |
| Outer ring mounting            | 15 holes - 0.688 through, equally spaced                          |
| Inner ring mounting            | 18 holes - 0.500-13 UNC-2B; 0.750 min full thread; equally spaced |

Complete Product Data

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| GEAR INTERFACE       |                        |
|----------------------|------------------------|
| Pitch system         | DP                     |
| Diametral pitch      | 4 DP                   |
| Module reference     | 6.35 mm                |
| Number of teeth      | 104                    |
| 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

|                                                                               |                                                                     |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <div>PUBLIC RECORD UID</div> <div>R7MUVLHNAOC42747DMZXS YTCT6</div>           | <div>SOURCE DOCUMENT</div> <div>KAYDON-CAT390</div>                 |
| <div>SOURCE FILE</div> <div>Kaydon_Catalog_390.pdf</div>                      | <div>SOURCE LOCATION</div> <div>PDF page 51   Printed page 49</div> |
| <div>VERIFICATION</div> <div>Level 3 - MERYDOM Engineering<br/>Verified</div> | <div>REVIEWED BY</div> <div>MERYDOM Engineering Department</div>    |

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/rk6-29n1z/>

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