

Factory-Verified Replacement

MERYDOM RK6-16N1Z

Certified for interchange with Kaydon RK6-16N1Z. 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

**RK6-16N1Z**

REFERENCE

**Kaydon RK6-16N1Z**

SERIES

**RK Series**

STRUCTURE

**D rt nokta temasl bilyal**

OVERALL OD

**517.906 mm**

OVERALL ID

**326.39 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                        | RK6-16N1Z                                      |
| Certified interchangeable with       | Kaydon RK6-16N1Z                               |
| Verification status                  | Level 3 - MERYDOM Engineering Verified         |
| Reviewed by                          | MERYDOM Engineering Department                 |
| Public record UID                    | SXMELUC5PB3V7DEHY6NF2YWLP7                     |
| 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                      | RK6-16N1Z                                      |
| Bearing structure                    | D rt nokta temasl bilyal                       |
| Gear arrangement                     | ten di li                                      |
| DIMENSION                            |                                                |
| Overall outside diameter (Do)        | 20.390 in   Metric reference: yakla k 517,9 mm |
| Overall inside diameter (di)         | 12.850 in   Metric reference: yakla k 326,4 mm |
| Outer ring body OD (Dr)              | 17.870 in   Metric reference: yakla k 453,9 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) | 16.220 in   Metric reference: yakla k 412 mm                      |
| Inner ring outer diameter (do) | 16.140 in   Metric reference: yakla k 410 mm                      |
| Overall height (H)             | 2.205 in   Metric reference: yakla k 56,01 mm                     |
| Assembly weight (G)            | 65 lb   Metric reference: yakla k 29,484 kg                       |
| MOUNTING                       |                                                                   |
| Outer ring bolt circle (Lo)    | 19.250 in   Metric reference: yakla k 489 mm                      |
| Inner ring bolt circle (Li)    | 14.880 in   Metric reference: yakla k 378 mm                      |
| GEAR                           |                                                                   |
| Gear pitch diameter (D2)       | 13.250 in   Metric reference: yakla k 336,6 mm                    |
| Diametral pitch (Pd)           | 4                                                                 |
| Gear tooth count (z2)          | 53                                                                |
| PERFORMANCE                    |                                                                   |
| Maximum gear tooth load (Fz)   | 6800 lbf   Metric reference: yakla k 30,25 kN                     |
| Moment load rating (Crm)       | 22700 ft lbf   Metric reference: yakla k 30,78 kN m               |
| PERFORMANCE RATINGS            |                                                                   |
| Moment                         | 22700.0000000000 ft lbf   Metric reference: yakla k 30,78 kN m    |
| Gear Tooth                     | 6800.0000000000 lbf   Metric reference: yakla k 30,25 kN          |
| MOUNTING INTERFACES            |                                                                   |
| Outer ring mounting            | 8 holes - 0.688 through, equally spaced                           |
| Inner ring mounting            | 12 holes - 0.500-13 UNC-2B; 0.750 min full thread; equally spaced |

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| GEAR INTERFACE       |                        |
|----------------------|------------------------|
| Pitch system         | DP                     |
| Diametral pitch      | 4 DP                   |
| Module reference     | 6.35 mm                |
| Number of teeth      | 53                     |
| 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>SXMELUC5PB3V7DEHY6NF2YWLP7</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/rk6-16n1z/>

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