

Factory-Verified Replacement

MERYDOM RK6-33P1Z

Certified for interchange with Kaydon RK6-33P1Z. 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

RK6-33P1Z

REFERENCE

Kaydon RK6-33P1Z

SERIES

RK Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

947.928 mm

OVERALL ID

734.06 mm

OVERALL HEIGHT

56.007 mm

GEAR

Senza dentatura

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                        | RK6-33P1Z                                    |
| Certified interchangeable with       | Kaydon RK6-33P1Z                             |
| Verification status                  | Level 3 - MERYDOM Engineering Verified       |
| Reviewed by                          | MERYDOM Engineering Department               |
| Public record UID                    | THKZZNBPANJGFJQU5E3URCFQNQ                   |
| 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                      | RK6-33P1Z                                    |
| Bearing structure                    | Sfere a quattro punti di contatto            |
| Gear arrangement                     | Senza dentatura                              |
| DIMENSION                            |                                              |
| Overall outside diameter (Do)        | 37.320 in   Metric reference: circa 947,9 mm |
| Overall inside diameter (di)         | 28.900 in   Metric reference: circa 734 mm   |
| Outer ring body OD (Dr)              | 34.800 in   Metric reference: circa 884 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) | 33.150 in   Metric reference: circa 842 mm                  |
| Inner ring outer diameter (do) | 33.070 in   Metric reference: circa 840 mm                  |
| Inner ring body ID (dr)        | 31.420 in   Metric reference: circa 798,1 mm                |
| Overall height (H)             | 2.205 in   Metric reference: circa 56,01 mm                 |
| Assembly weight (G)            | 118 lb   Metric reference: circa 53,524 kg                  |
| MOUNTING                       |                                                             |
| Outer ring bolt circle (Lo)    | 36.250 in   Metric reference: circa 920,8 mm                |
| Inner ring bolt circle (Li)    | 30.000 in   Metric reference: circa 762 mm                  |
| PERFORMANCE                    |                                                             |
| Moment load rating (Crm)       | 56500 ft lbf   Metric reference: circa 76,6 kN m            |
| PERFORMANCE RATINGS            |                                                             |
| Moment                         | 56500.0000000000 ft lbf   Metric reference: circa 76,6 kN m |
| MOUNTING INTERFACES            |                                                             |
| Outer ring mounting            | 18 holes - 0.688 through, equally spaced                    |
| Inner ring mounting            | 18 holes - 0.688 through, equally spaced                    |
| GEAR INTERFACE                 |                                                             |
| Integral gear                  | Not applicable - ungeared bearing                           |
| SOURCE TRACEABILITY            |                                                             |
| Source document code           | KAYDON-CAT390                                               |
| Source file                    | Kaydon_Catalog_390.pdf                                      |
| PDF page                       | 50                                                          |

# 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.

| SOURCE TRACEABILITY (CONTINUED) |       |
|---------------------------------|-------|
| Printed page                    | 48    |
| Source language                 | EN-US |
| Original unit system            | Inch  |

Source and Verification Traceability

|                                                                               |                                                                     |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <div>PUBLIC RECORD UID</div> <div>THKZZNBPANJGFJQU5E3URCFQNNQ</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 50   Printed page 48</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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/kaydon/rk6-33p1z/>

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.