

Factory-Verified Replacement

MERYDOM KH-275P

Certified for interchange with Kaydon KH-275P. 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

KH-275P

REFERENCE

Kaydon KH-275P

SERIES

KH Series

STRUCTURE

Preloaded four-point contact ball

OVERALL OD

805.18 mm

OVERALL ID

596.9 mm

OVERALL HEIGHT

63.5 mm

GEAR

Ungeared

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	KH-275P
Certified interchangeable with	Kaydon KH-275P
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SDCKLMBZVVOEZIJ7GOZAUSS5KG
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	KH Series
Reference model	KH-275P
Bearing structure	Preloaded four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Overall outside diameter (Do)	31.700 in Metric reference: approximately 805 mm
Overall inside diameter (di)	23.500 in Metric reference: approximately 597 mm
Outer ring inner diameter (Di)	27.750 in Metric reference: approximately 704.9 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Inner ring outer diameter (do)	27.250 in Metric reference: approximately 692.2 mm
Overall height (H)	2.500 in Metric reference: approximately 64 mm
Assembly weight (G)	185 lb Metric reference: approximately 83.915 kg
MOUNTING	
Outer ring bolt circle (Lo)	29.500 in Metric reference: approximately 749 mm
Inner ring bolt circle (Li)	25.500 in Metric reference: approximately 648 mm
PERFORMANCE	
Moment load rating (Crm)	39600 ft lbf Metric reference: approximately 53.69 kN m
PERFORMANCE RATINGS	
Moment	39600.0000000000 ft lbf Metric reference: approximately 53.69 kN m
Dynamic Axial	43000.0000000000 lbf Metric reference: approximately 191.27 kN
Intermittent Axial	142000.0000000000 lbf Metric reference: approximately 631.65 kN
Dynamic Moment	39600.0000000000 ft lbf Metric reference: approximately 53.69 kN m
Intermittent Moment	75000.0000000000 ft lbf Metric reference: approximately 101.69 kN m
MOUNTING INTERFACES	
Outer ring mounting	24 holes - 0.500-13 UNC-2B; 0.750 min full thread
Inner ring mounting	24 holes - 0.500-13 UNC-2B; 0.750 min full thread
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390

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)	
Source file	Kaydon_Catalog_390.pdf
PDF page	74
Printed page	72
Source language	EN-US
Original unit system	Inch

Source and Verification Traceability

PUBLIC RECORD UID SDCKLMBZVVOEZIJ7GOZAUSS5KG	SOURCE DOCUMENT KAYDON-CAT390
SOURCE FILE Kaydon_Catalog_390.pdf	SOURCE LOCATION PDF page 74 Printed page 72
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

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

Product page: <https://rotnex.com/products/slewing-bearing-replacements/kaydon/kh-275p/>

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.