

Factory-Verified Replacement

MERYDOM KH-225E

Certified for interchange with Kaydon KH-225E. 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-225E

SERIES

KH Series

OVERALL OD

677.342 mm

OVERALL HEIGHT

63.5 mm

REFERENCE

Kaydon KH-225E

STRUCTURE

Sfere a contatto su quattro punti precaricate

OVERALL ID

469.9 mm

GEAR

Dentatura esterna

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-225E
Certified interchangeable with	Kaydon KH-225E
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	SLTL4S5CA6IVPH663T5LEDIVRK
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-225E
Bearing structure	Sfere a contatto su quattro punti precaricate
Gear arrangement	Dentatura esterna
DIMENSION	
Overall outside diameter (Do)	26.667 in Metric reference: circa 677,34 mm
Overall inside diameter (di)	18.500 in Metric reference: circa 470 mm
Outer ring inner diameter (Di)	22.750 in Metric reference: circa 577,9 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Inner ring outer diameter (do)	22.250 in Metric reference: circa 565,2 mm
Overall height (H)	2.500 in Metric reference: circa 64 mm
Assembly weight (G)	140 lb Metric reference: circa 63,503 kg
MOUNTING	
Outer ring bolt circle (Lo)	24.500 in Metric reference: circa 622 mm
Inner ring bolt circle (Li)	20.500 in Metric reference: circa 521 mm
GEAR	
Gear pitch diameter (D2)	26.333 in Metric reference: circa 668,86 mm
Diametral pitch (Pd)	6
Gear tooth count (z2)	158
PERFORMANCE	
Maximum gear tooth load (Fz)	5670 lbf Metric reference: circa 25,22 kN
Moment load rating (Crm)	30500 ft lbf Metric reference: circa 41,35 kN m
PERFORMANCE RATINGS	
Moment	30500.0000000000 ft lbf Metric reference: circa 41,35 kN m
Gear Tooth	5670.0000000000 lbf Metric reference: circa 25,22 kN
Dynamic Axial	40000.0000000000 lbf Metric reference: circa 177,93 kN
Intermittent Axial	115200.0000000000 lbf Metric reference: circa 512,44 kN
Dynamic Moment	30500.0000000000 ft lbf Metric reference: circa 41,35 kN m
Intermittent Moment	56000.0000000000 ft lbf Metric reference: circa 75,93 kN m

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MOUNTING INTERFACES	
Outer ring mounting	18 holes - 0.500-13 UNC-2B; 0.750 min full thread
Inner ring mounting	18 holes - 0.500-13 UNC-2B; 0.750 min full thread
GEAR INTERFACE	
Pitch system	DP
Diametral pitch	6 DP
Module reference	4.233333 mm
Number of teeth	158
SOURCE TRACEABILITY	
Source document code	KAYDON-CAT390
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 SLTL4S5CA6IVPH663T5LEDIVRK	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

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Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/kaydon/kh-225e/>

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