



Kaydon Bearings marks Reali-Slim bearings with an (8) or (9) digit part number for complete identification. Positions 1-8 identify materials, size, type, and precision. Position 9 (optional) identifies non-standard internal fit.

The examples shown are some of the most popular options for Reali-Slim bearings. For custom solutions and additional information, please refer to Kaydon Catalog 300.

Positions 1-5 are explained on this page; Positions 6-9 on the other side.

Position	1	2	3	4	5	6	7	8	9
Example	<b>K</b>	<b>G</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>X</b>	<b>P</b>	<b>0</b>	<b>L</b>
Description	Material	Series	Size	Size	Size	Type	Separator	Precision	Internal Fit

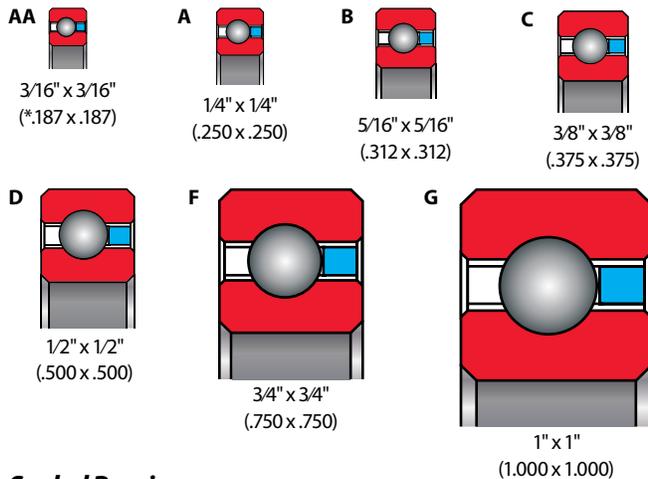
## Position 1 – Material

Races/Balls	Seals, Shields
<b>D</b> – AISI 52100 Steel	with One shield
<b>E</b> – AISI 52100 Steel	with Two shields
<b>H</b> – AISI 52100 Steel	with One seal—Nitrile rubber
<b>J</b> – AISI 52100 Steel	with Two seals—Nitrile rubber
<b>K</b> – AISI 52100 Steel	with No seals or shields
<b>L</b> – AISI 52100 Steel	with Two seals and ENDURAKOTE® plating
<b>M</b> – M-50 Steel	with No seals or shields
<b>N</b> – AISI 52100 Steel	with No seals and ENDURAKOTE® plating
<b>P</b> – AISI 17-4PH Steel *Ceramic Balls	No shields or seals
<b>Q</b> – AISI 52100 Steel	with No shields or seals*
<b>S</b> – AISI 440C Stainless Steel	with No seals or shields
<b>V</b> – AISI 440C Stainless Steel	with Two shields
<b>W</b> – AISI 440C Stainless Steel	with Two seals—Nitrile rubber
<b>X</b> – AISI 52100 Steel *Ceramic Balls	No shields or seals
<b>Y</b> – AISI 440C Stainless Steel *Ceramic Balls	No shields or seals
<b>Z</b> – Other	

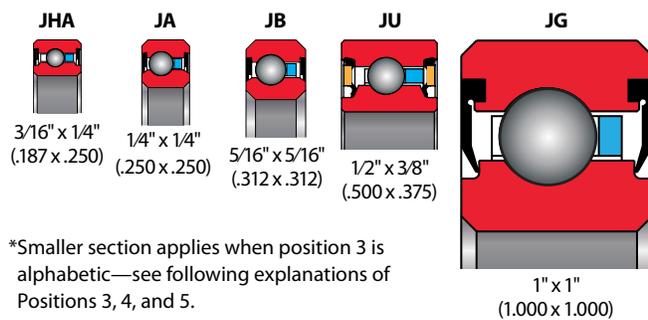
\*See Section 6 of Kaydon Catalog 300.

## Position 2 – Series Standard Cross Section

### Open Bearings



### Sealed Bearings



\*Smaller section applies when position 3 is alphabetic—see following explanations of Positions 3, 4, and 5.

## Position 3, 4 and 5 – Size (Bearing Bore)

**Numeric Characters** - Nominal bearing bore in inches multiplied by ten

**Alphabetic Characters** -

"A" In Position 3 in combination with "A" in Position 2 denotes .187 x .187 Series

"A" In Position 3 in combination with "H" in Position 2 denotes .187 x .250 Series

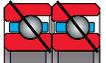
**Examples** - 040 = 4.0" Bore, 120 = 12.0" Bore, 400 = 40.0" Bore

"10" following "AA" in Positions 2 & 3 = .187 x .187 Series with 1.0" Bore

"15" following "HA" in Positions 2 & 3 = .187 x .250 Series with 1.5" Bore

Position	1	2	3	4	5	6	7	8	9
Example	K	G	1	2	0	X	P	0	L
Description	Material	Series	Size	Size	Size	Type	Separator	Precision	Internal Fit

## Position 6 – Bearing Type

- A**  Angular contact single bearing (not ground for universal duplexing)
- B**  Angular contact pair—duplexed back to back
- C**  Radial contact
- F**  Angular contact pair—duplexed face to face
- T**  Angular contact pair—duplexed tandem
- U**  Angular contact single bearing—ground for universal duplexing
- X**  Four-point contact
- Z** Other

## Position 7 – Separator - Bearing Type noted



- C** Non-metallic composite, segmental, “snap-over” type - C, X
- D** Phenolic laminate, one-piece ring, “snap-over” type - C, X
- E** Brass, segmental “snap-over” type - C, X
- L** One-piece molded ring with “snap-over” pockets - C, X
- N** Molded strip with “snap-over” pockets - C, X
- P** Standard one-piece formed ring with “snap-over” pockets - C, X
- T** Stainless steel, formed ring “snap-over” type - C, X
- V** Brass, formed ring, “snap-over” pockets - C, X
- X** PEEK, one-piece molded ring with “snap-over” pockets - C, X



- G** One-piece molded ring with circular pockets - A
- H** One-piece machined ring with circular pockets - A
- J** Molded strip with circular pockets - A
- K** Phenolic laminate, riveted two-piece ring type - A, C, X
- Q** PEEK, one-piece molded ring with circular pockets - A
- R** Standard one-piece formed ring with circular pockets - A
- U** Stainless steel, formed ring circular pockets type - A
- Y** Brass, formed ring, circular pockets type - A



- M** Formed wire strip or segmental cage, “snap-over” pockets - A, C, X
- W** Formed wire strip or segmental cage, “snap-over” pockets - C, X



- F** Full complement bearing - A, C, X
- S** Helical coil spring - C, X
- Z** Other (toroid ball spacers, spacer slugs, spacer ball or others available) - A, C, X

## Position 8 – Precision

(ABEC Specifications are per ABMA Standard 26.2)

- 0** KAYDON Precision Class 1 per ABEC 1F
- 1** KAYDON Precision Class 1 with Class 4 Runouts
- 2** KAYDON Precision Class 1 with Class 6 Runouts
- 3** KAYDON Precision Class 3 per ABEC 3F
- 4** KAYDON Precision Class 4 per ABEC 5F
- 6** KAYDON Precision Class 6 per ABEC 7F
- 8** Other

## Position 9 – Bearing Internal Fit

- |                                   |   |
|-----------------------------------|---|
| <b>A</b> .0000 to .0005 Clearance | <b>K</b> .0000 to .0005 Preload                         |
| <b>B</b> .0000 to .0010 Clearance | <b>L</b> .0000 to .0010 Preload                         |
| <b>C</b> .0005 to .0010 Clearance | <b>M</b> .0005 to .0010 Preload                         |
| <b>D</b> .0005 to .0015 Clearance | <b>N</b> .0005 to .0015 Preload                         |
| <b>E</b> .0010 to .0020 Clearance | <b>P</b> .0010 to .0020 Preload                         |
| <b>F</b> .0015 to .0025 Clearance | <b>Q</b> .0010 to .0015 Preload                         |
| <b>G</b> .0020 to .0030 Clearance | <b>R</b> .0015 to .0025 Preload                         |
| <b>H</b> .0030 to .0040 Clearance | <b>S</b> .0020 to .0030 Preload                         |
| <b>I</b> .0040 to .0050 Clearance | <b>Z</b> Other clearance or preload not specified above |
| <b>J</b> .0050 to .0060 Clearance |   |

**Blank** Standard default clearance (see Precision Tolerances tables in Section 3 of Catalog 300 for default clearance by bearing size)

- Type X or C = Diametral Preload or Clearance
- Duplexed Type A = Axial Preload or Clearance

**Note:** Above internal bearing fits apply to unmounted bearings only. Mounting fits can greatly affect final internal bearing fit.



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