

Identification of Reali-Slim® Bearings

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

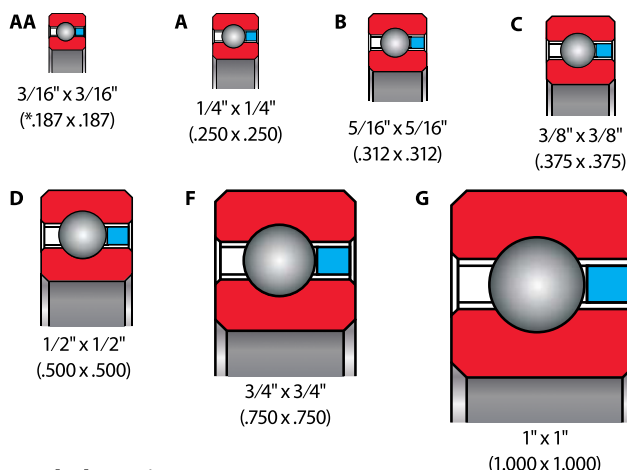
Position	1	2	3	4	5	6	7	8	9
Example	K	G	1	2	0	X	P	0	L
Description	Material	Series	Size	Size	Size	Type	Separator	Precision	Internal Fit

Position 1 – Material

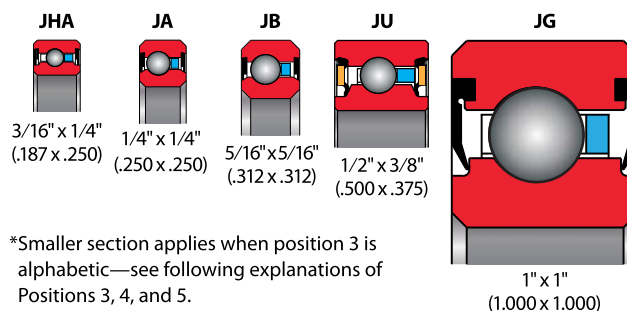
Races/Balls	Seals, Shields
D – AISI 52100 Steel	One shield
E – AISI 52100 Steel	Two shields
H – AISI 52100 Steel	One seal—Nitrile rubber
J – AISI 52100 Steel	Two seals—Nitrile rubber
K – AISI 52100 Steel	No seals or shields
L – AISI 52100 Steel, AISI 440C stainless steel balls	Two seals and Endurakote® plating
M – M-50 Steel	No seals or shields
N – AISI 52100 Steel, AISI 440C stainless steel balls	Endurakote plating and No seals
P – AISI 17-4PH Steel Ceramic Balls (see section 6)	No shields or seals
Q – AISI 52100 Steel (see section 6)	No shields or seals
S – AISI 440C Stainless Steel	No seals or shields
V – AISI 440C Stainless Steel	Two shields
W – AISI 440C Stainless Steel	Two seals—Nitrile rubber
X – AISI 52100 Steel Ceramic Balls (see section 6)	No shields or seals
Y – AISI 440C Stainless Steel Ceramic Balls (see section 6)	No shields or seals
Z – Other	

Position 2 – Series Standard Cross Section

Open Bearings



Sealed Bearings



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

Identification of Reali-Slim Bearings (continued)

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** Nylon one-piece molded ring with “snap-over” pockets - C, X
 - N** Nylon 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** Nylon one-piece molded ring with circular pockets - A
 - H** Phenolic laminate one-piece machined ring with circular pockets - A
 - J** Nylon 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

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

Blank Standard default clearance (see Precision Tolerances tables in Section 2 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.