### 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.

<table>
<thead>
<tr>
<th>Position 1 – Material</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Races/Balls</strong></td>
</tr>
<tr>
<td>D – AISI 52100 Steel</td>
</tr>
<tr>
<td>E – AISI 52100 Steel</td>
</tr>
<tr>
<td>H – AISI 52100 Steel</td>
</tr>
<tr>
<td>J – AISI 52100 Steel</td>
</tr>
<tr>
<td>K – AISI 52100 Steel</td>
</tr>
<tr>
<td>L – AISI 52100 Steel, AISI 440C stainless steel balls</td>
</tr>
<tr>
<td>M – M-50 Steel</td>
</tr>
<tr>
<td>N – AISI 52100 Steel, AISI 440C stainless steel balls</td>
</tr>
<tr>
<td>P – AISI 17-4PH Steel Ceramic Balls (see section 6)</td>
</tr>
<tr>
<td>Q – AISI 52100 Steel (see section 6)</td>
</tr>
<tr>
<td>S – AISI 440C Stainless Steel</td>
</tr>
<tr>
<td>V – AISI 440C Stainless Steel</td>
</tr>
<tr>
<td>W – AISI 440C Stainless Steel</td>
</tr>
<tr>
<td>X – AISI 52100 Steel Ceramic Balls (see section 6)</td>
</tr>
<tr>
<td>Y – AISI 440C Stainless Steel Ceramic Balls (see section 6)</td>
</tr>
<tr>
<td>Z – Other</td>
</tr>
</tbody>
</table>

### Position 2 – Series Standard Cross Section

**Open Bearings**

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>3/16” x 3/16” (.187 x .187)</td>
</tr>
<tr>
<td>A</td>
<td>1/4” x 1/4” (.250 x .250)</td>
</tr>
<tr>
<td>B</td>
<td>5/16” x 5/16” (.312 x .312)</td>
</tr>
<tr>
<td>C</td>
<td>3/8” x 3/8” (.375 x .375)</td>
</tr>
<tr>
<td>D</td>
<td>1/2” x 1/2” (.500 x .500)</td>
</tr>
<tr>
<td>F</td>
<td>3/4” x 3/4” (.750 x .750)</td>
</tr>
<tr>
<td>G</td>
<td>1” x 1” (1.000 x 1.000)</td>
</tr>
</tbody>
</table>

**Sealed Bearings**

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>JHA</td>
<td>3/16” x 1/4” (.187 x .250)</td>
</tr>
<tr>
<td>JA</td>
<td>1/4” x 1/4” (.250 x .250)</td>
</tr>
<tr>
<td>JB</td>
<td>5/16” x 5/16” (.312 x .312)</td>
</tr>
<tr>
<td>JU</td>
<td>1/2” x 3/8” (.500 x .375)</td>
</tr>
<tr>
<td>JG</td>
<td>1” x 1” (1.000 x 1.000)</td>
</tr>
</tbody>
</table>

*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
Identification of Reali-Slim Bearings (continued)

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

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

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.