Rotary Shafts  D Tolerance h9 (Cold-drawn) / h7 (Ground) / g6 (Ground)
Retaining Ring Grooves on Both Ends

Select from h9 (Cold-drawn), h7 (Ground) and g6 (Ground) for your applications.

<table>
<thead>
<tr>
<th>D Diameter</th>
<th>Material</th>
<th>Surface Treatment</th>
<th>Tolerance Table</th>
<th>Material of Retaining Ring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td>EN 1.4301 Equiv. (Black Oxide)</td>
</tr>
</tbody>
</table>

- **D** (Cold-drawn)

  - With Retaining Ring (h9, h7, g6)
  - Without Retaining Ring (h9, h7, g6)

- **D** (Ground)

  - With Retaining Ring (h9, h7, g6)
  - Without Retaining Ring (h9, h7, g6)

- **D** (g6)

  - With Retaining Ring (h9, h7, g6)
  - Without Retaining Ring (h9, h7, g6)

**Tolerance Table**

- **h9 (Cold-drawn)**
  - $D_{10} - 0.01$ / 0.01
  - $L_{10} - 0.01$ / 0.01

- **h7 (Ground)**
  - $D_{10} - 0.01$ / 0.01
  - $L_{10} - 0.01$ / 0.01

- **g6 (Ground)**
  - $D_{10} - 0.01$ / 0.01
  - $L_{10} - 0.01$ / 0.01

**Surface Roughness**

- h7 (Ground) / g6 (Ground): $-0.001$ / $0.001$

**Keyway(s) and set screw flats are added in the same plane.**

**Additional Information**

- EN 1.7220 Equiv.
- Electroless Nickel Plating
- Black Oxide

**Ordering Code**

- Part Number: L - B - S - P
- Accessories: Retaining Ring 2 pcs.
  - With Retaining Ring Type only