Construction Balls
(Shoulder Construction Balls)

Used as reference points for inspection applications in conjunction with Coordinate Measuring Machines to accurately measure the workpiece
- Hardened and ground steel (8620 steel)
- Concentricity of ball to shank: .0002 T.I.R.

One-piece construction

English

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Dia. A*</th>
<th>Dia. B**</th>
<th>C</th>
<th>Dia. F</th>
<th>Weight (lbs/100pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11001</td>
<td>.5000</td>
<td>.25000</td>
<td>5/8</td>
<td>0.3125</td>
<td>1/2</td>
</tr>
<tr>
<td>11002</td>
<td>.5000</td>
<td>.25000</td>
<td>5/8</td>
<td>0.3125</td>
<td>1/2</td>
</tr>
</tbody>
</table>

* A Diameter: +.0002
** B Diameter: +.0000/-0004
*** D: +.0002
* 6-32 UNC-2B x 3/16 deep tapped shank as shown.

Metric

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Dia. A*</th>
<th>Dia. B**</th>
<th>C</th>
<th>Dia. F</th>
<th>Weight (lbs/100pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11020</td>
<td>6mm</td>
<td>3mm</td>
<td>16mm</td>
<td>6mm</td>
<td>1</td>
</tr>
<tr>
<td>11021</td>
<td>10mm</td>
<td>5mm</td>
<td>20mm</td>
<td>10mm</td>
<td>3</td>
</tr>
<tr>
<td>11022</td>
<td>12mm</td>
<td>6mm</td>
<td>22mm</td>
<td>12mm</td>
<td>3</td>
</tr>
</tbody>
</table>

* A Diameter: +.005mm
** B Diameter: +.0000/-010mm
*** D: +.005

Carbide Ball

Used as reference points for inspection applications in conjunction with Coordinate Measuring Machines to accurately measure the workpiece
- Material:
  - Ball: Carbide
  - Shank: 440 Stainless
- Weight per 100 pcs.: less than one pound
- Concentricity of ball to shank: .0002 T.I.R.

Two-piece construction

Tooling Ball Cover

- Protects tooling and inspection balls from damage between operations.
- Low cost solution to protect your tooling ball investment
- Made of a durable, high impact resistant Polymer
- Mounts over .875" diameter or smaller tooling ball directly into jig fixture with two number 10 screws

Part No. | Max. Tooling Ball Size
|---------|----------------------|
| 10609   | .875" Dia. Ball

One-piece construction