

## 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

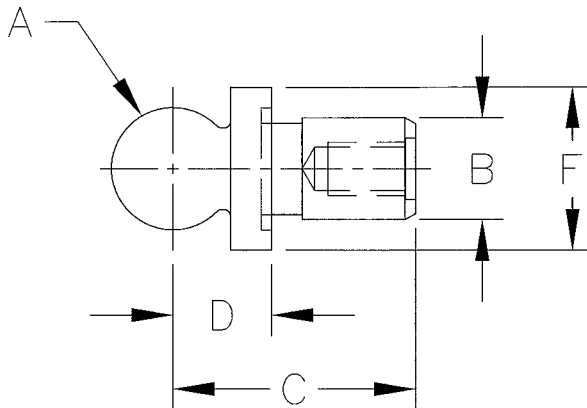
Part No.	Dia. A*	Dia. B**	C	D***	Dia. F	Weight (lbs/100pcs)
<b>11001*</b>	.5000	.2500	5/8	0.3125	1/2	3
<b>11002</b>	.5000	.2500	5/8	0.3125	1/2	3

\*A Diameter:  $\pm .0002$

\*\*B Diameter:  $\pm .0000/- .0004$

\*\*\*D:  $\pm .0002$

\* 6-32 UNC-2B x 3/16 deep tapped shank as shown.



#### Metric

Part No.	Dia. A*	Dia. B**	C	D***	Dia. F	Weight (lbs/100pcs)
<b>11020</b>	6mm	3mm	16mm	6mm	6mm	1
<b>11021</b>	10mm	5mm	20mm	10mm	10mm	3
<b>11022</b>	12mm	6mm	22mm	12mm	12mm	3

\*A Diameter:  $\pm .005$ mm

\*\*B Diameter:  $\pm .000/- .010$ mm

\*\*\*D:  $\pm .005$

## Carbide Ball

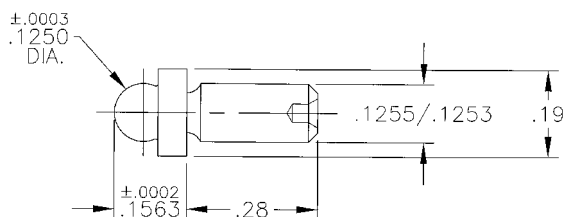
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- Material:
  - Ball: Carbide
  - Shank: 440 Stainless
- Weight per 100 pcs.: less than one pound
- Concentricity of ball to shank: .0002 T.I.R.



### Two-piece construction

Part No.
<b>11070</b>



## 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
<b>10600</b>	.875" Dia. Ball