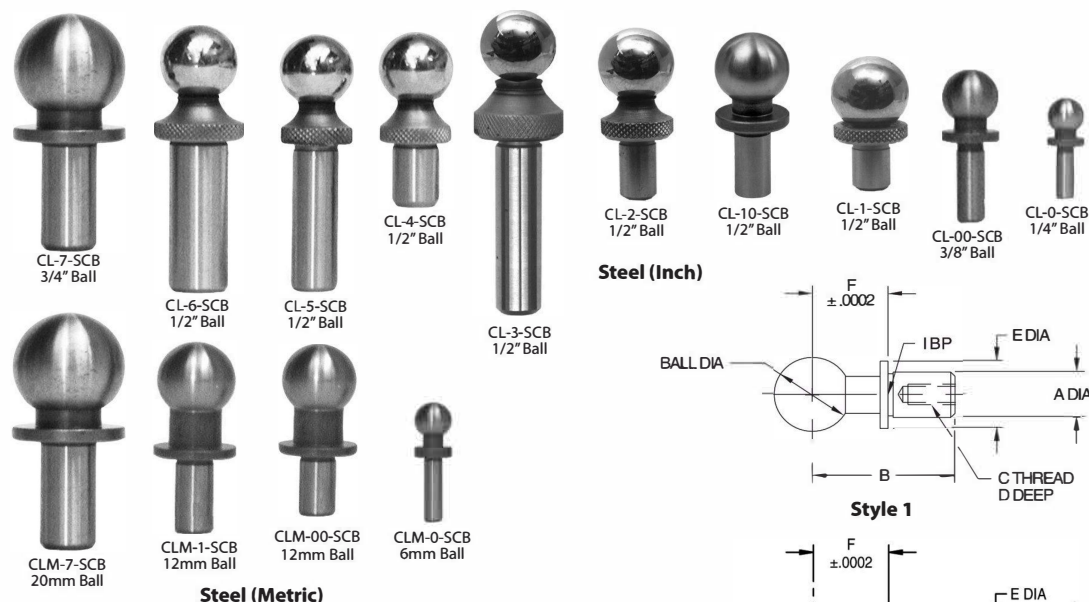


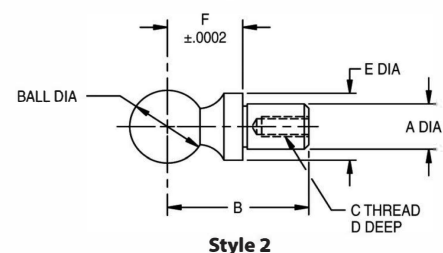
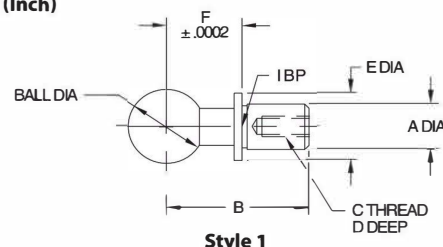
## CONSTRUCTION BALLS (SHOULDER TYPE)

STEEL: 1144 STEEL, HEAT TREATED RC 54-56



### New 20mm ball diameter!

Precision tooling ball used as a reference point for critical inspection, layout, and machining operations. Shoulder type has a precision height-reference shoulder to locate the ball in three dimensions. Concentricity between ball and shank is .0002" TIR. Available with ball diameters from 1/4 to 3/4" (6 to 20mm in metric), in various shank diameters and lengths.

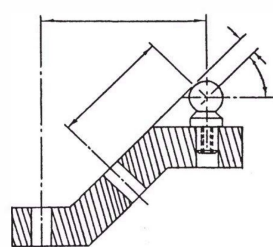


### STEEL (INCH)

| PART NO.  | BALL DIA |             | A DIA   |             | B    | C     | D    | E DIA | F     | STYLE |
|-----------|----------|-------------|---------|-------------|------|-------|------|-------|-------|-------|
|           | NOMINAL  | ACTUAL      | NOMINAL | ACTUAL      |      |       |      |       |       |       |
| CL-0-SCB  | 1/4      | .2502/.2498 | 1/8     | .1250/.1246 | .56  | —     | —    | .25   | .2000 | 1     |
| CL-00-SCB | 3/8      | .3752/.3748 | 3/16    | .1875/.1871 | .75  | —     | —    | .37   | .3000 |       |
| CL-1-SCB  | 1/2      | .5000/.4997 | 1/4     | .2500/.2497 | .63  | #6-32 | 1/4  | .3125 | .2000 | 2     |
| CL-10-SCB |          | .5002/.4998 |         | .2500/.2496 | .94  | —     | —    | .4000 | .3125 | 1     |
| CL-2-SCB  |          |             |         | .2500/.2497 | .94  | #6-32 | 5/16 | .46   | .5000 | 2     |
| CL-3-SCB  |          |             |         |             | 1.50 | —     | —    | .56   | .5000 |       |
| CL-4-SCB  |          | .5000/.4997 | 5/16    | .3125/.3122 | .94  | #6-32 | 5/16 | .46   | .5000 |       |
| CL-5-SCB  |          |             | 3/8     | .3750/.3747 | 1.50 | —     | —    | .75   | .5000 |       |
| CL-6-SCB  | 3/4      | .7502/.7498 | 3/8     | .3750/.3746 | 1.25 | —     | —    | .75   | .5000 | 1     |
| CL-7-SCB  |          |             |         |             |      |       |      |       |       |       |

### STEEL (METRIC)

| PART NO.   | BALL DIA (mm) |               | A DIA (mm) |              | B (mm) | C    | D   | E DIA (mm) | F    | STYLE |
|------------|---------------|---------------|------------|--------------|--------|------|-----|------------|------|-------|
|            | NOMINAL       | ACTUAL        | NOMINAL    | ACTUAL       |        |      |     |            |      |       |
| CLM-0-SCB  | 6mm           | 6.005/5.994   | 3mm        | 3.000/2.990  | 12     | —    | —   | 6          | 6mm  | 1     |
| CLM-00-SCB | 12mm          | 12.004/11.994 | 6mm        | 6.000/5.989  | 22     | —    | —   | 12         | 12mm |       |
| CLM-1-SCB  |               |               |            |              | 25     | M3.5 | 6   | 20         | 20mm |       |
| CLM-7-SCB  | 20mm          | 20.004/19.994 | 10mm       | 10.000/9.989 | 38     | M6   | 9.5 | 20         | 20mm |       |



Shoulder-Type Construction Balls provide a reference point in three dimensions.

## CONSTRUCTION BALLS (SHOULDER TYPE)

STAINLESS STEEL: 440C STAINLESS STEEL, HEAT TREATED RC 57-59



CL-2-SCB 1/2" Ball  
CL-1-SCB 1/2" Ball  
CL-0-SCB 1/4" Ball

**Stainless Steel (Inch)**

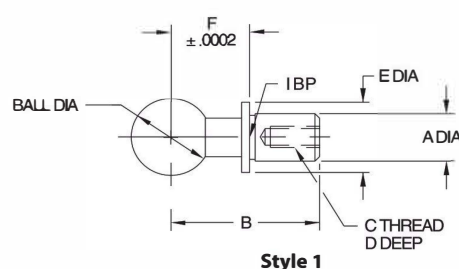


CLM-1-SCB 12mm Ball  
CLM-00-SCB 12mm Ball  
CLM-00-SCB 12mm Ball

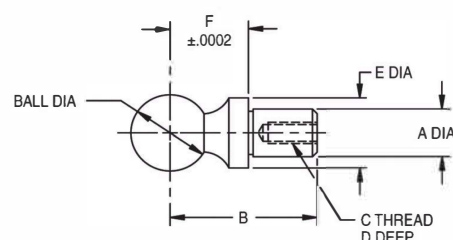
**Stainless Steel (Metric)**

**Also available in stainless steel!**

Precision tooling ball used as a reference point for critical inspection, layout, and machining operations. Shoulder type has a precision height-reference shoulder to locate the ball in three dimensions. Concentricity between ball and shank is .0002" TIR. Stainless steel version is available with ball diameters from 1/4 to 1/2" (12mm in metric).



**Style 1**



**Style 2**

### STAINLESS STEEL (INCH)

| PART NO.   | BALL DIA |             | A DIA   |             | B   | C     | D    | E DIA | F     | STYLE |
|------------|----------|-------------|---------|-------------|-----|-------|------|-------|-------|-------|
|            | NOMINAL  | ACTUAL      | NOMINAL | ACTUAL      |     |       |      |       |       |       |
| CL-0-SCB-S | 1/4      | .2502/.2498 | 1/8     | .1250/.1246 | .56 | —     | —    | .25   | .2000 | 1     |
| CL-1-SCB-S | 1/2      | .5000/.4997 | 1/4     | .2500/.2497 | .63 | #6-32 | 1/4  | .46   | .3125 | 2     |
| CL-2-SCB-S |          | .5000/.4997 |         |             | .94 | #6-32 | 5/16 |       | .5000 | 2     |

### STAINLESS STEEL (METRIC)

| PART NO.     | BALL DIA (mm) |               | A DIA (mm) |              | B (mm) | C (mm) | D (mm) | E DIA (mm) | F (mm) | STYLE |
|--------------|---------------|---------------|------------|--------------|--------|--------|--------|------------|--------|-------|
|              | NOMINAL       | ACTUAL        | NOMINAL    | ACTUAL       |        |        |        |            |        |       |
| CLM-00-SCB-S | 12            | 12.004/11.994 | 6          | 6.000/5.989  | 22     | —      | —      | 12         | 12     | 1     |
| CLM-1-SCB-S  |               |               |            |              | 25     | M3.5   | 6      |            |        |       |
| CLM-7-SCB-S  | 20            | 20.004/19.994 | 10         | 10.000/9.989 | 38     | M6     | 9.5    | 20         | 20     | 1     |