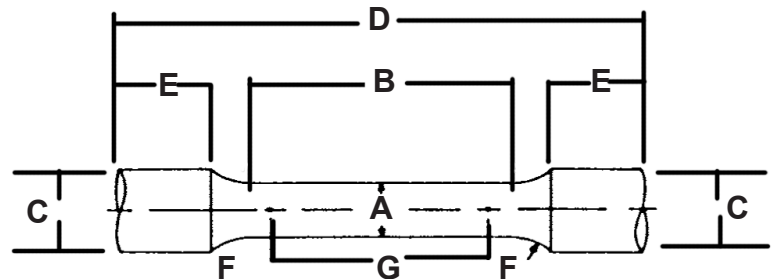


# SAMPLE SIZES

## 5D ROUND TENSILE SPECIMENS

| ROOM TEMP (ELONGATION IN 5D)     |                       |                       |               |                         |                      |                        |              |
|----------------------------------|-----------------------|-----------------------|---------------|-------------------------|----------------------|------------------------|--------------|
| A                                | G                     | B                     | C             | D                       | E                    | F                      | US STD       |
| GAUGE DIAMETER                   | GAUGE LENGTH (± .005) | REDUCED SECTION (MIN) | GRIP DIAMETER | OVERALL LENGTH (± 1/16) | GRIP LENGTH (APPROX) | RADIUS of FILLET (MIN) | THREAD/ INCH |
| .500 (± .010)                    | 2.50                  | 3.00                  | .750          | 5.00                    | .72                  | .375                   | 16-2A        |
| .350 (± .005)                    | 1.75                  | 2.126                 | .500          | 3.50                    | .51                  | .25                    | 20-2A        |
| .250 (± .005)                    | 1.25                  | 1.525                 | .375          | 3.00                    | .56                  | .188                   | 24-2A        |
| .160 (± .003)                    | .800                  | 1.00                  | .250          | 2.00                    | .39                  | .156                   | 28-2A        |
| .113 (± .002)                    | .565                  | .750                  | .190          | 1.25                    | .17                  | .094                   | 32-2A        |
| ELEVATED TEMP (ELONGATION IN 5D) |                       |                       |               |                         |                      |                        |              |
| A                                | G                     | B                     | C             | D                       | E                    | F                      | US STD       |
| GAUGE DIAMETER                   | GAUGE LENGTH (± .005) | REDUCED SECTION (MIN) | GRIP DIAMETER | OVERALL LENGTH (± 1/16) | GRIP LENGTH (APPROX) | RADIUS of FILLET (MIN) | THREAD/ INCH |
| .250 (± .005)                    | 1.25                  | 1.525                 | .500          | 3.00                    | .56                  | .188                   | 13-2A        |
| .160 (± .003)                    | .800                  | 1.00                  | .250          | 2.00                    | .39                  | .156                   | 20-2A        |
| .113 (± .002)                    | .565                  | .750                  | .190          | 1.25                    | .17                  | .094                   | 24-2A        |
| SAMPLE SIZE REQUIRED             |                       |                       |               |                         |                      |                        |              |
| .500 Gauge Diameter              | 1" x 1" x 6"          |                       |               |                         |                      |                        |              |
| .350 Gauge Diameter              | 3/4" x 3/4" x 4.5"    |                       |               |                         |                      |                        |              |
| .250 Gauge Diameter              | 1/2" x 1/2" x 4"      |                       |               |                         |                      |                        |              |
| .160 Gauge Diameter              | 3/8" x 3/8" x 3"      |                       |               |                         |                      |                        |              |
| .113 Gauge Diameter              | 1/4" x 1/4" x 2.25"   |                       |               |                         |                      |                        |              |



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