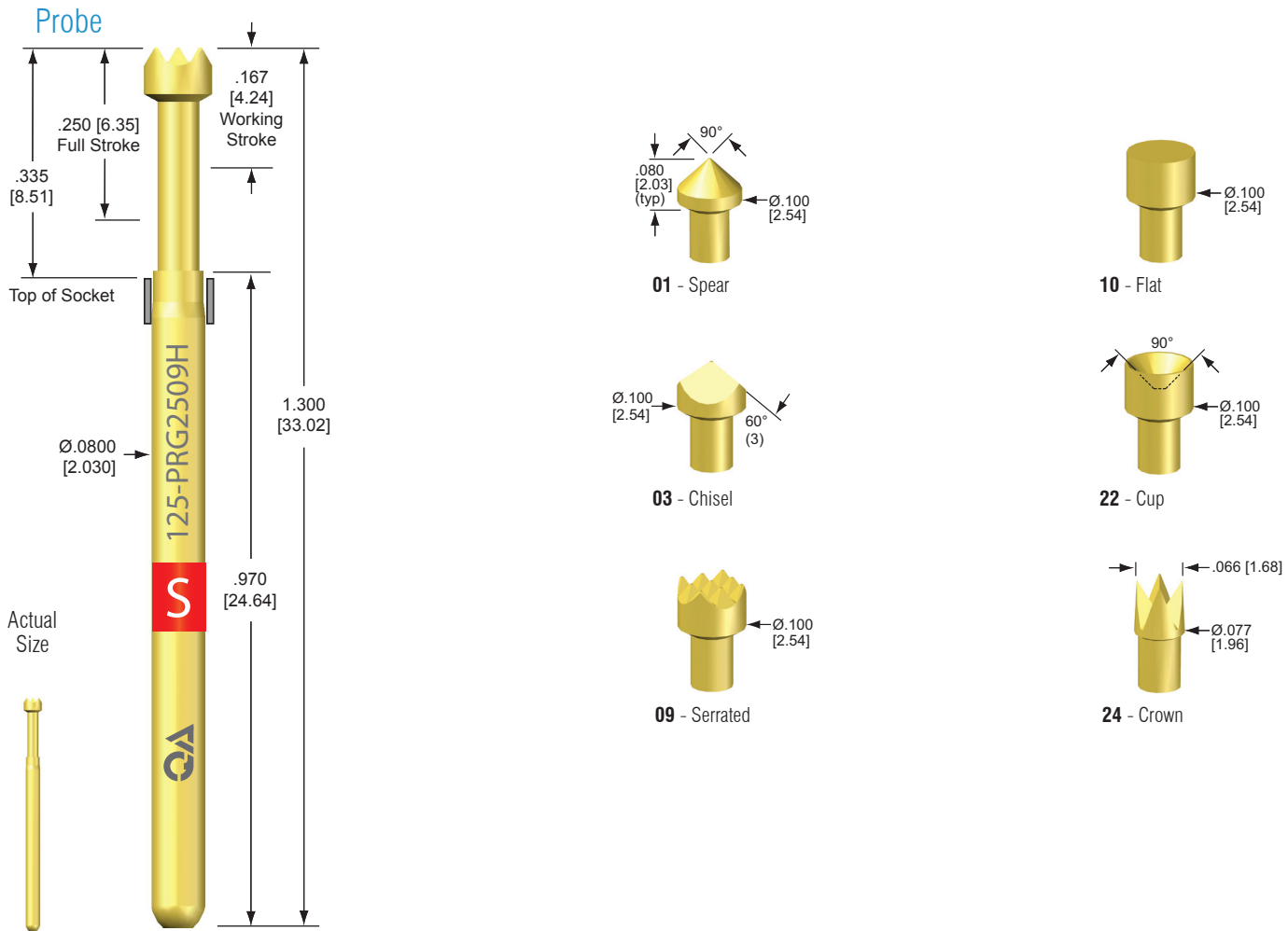


125-25 SERIES | .125 [3.17] Centers | .250 [6.35] Full Stroke

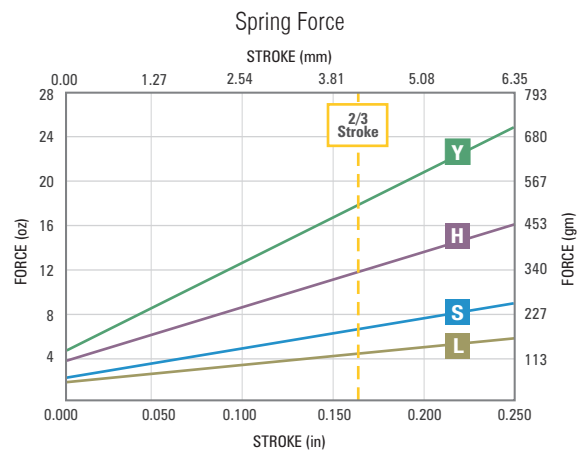


Probe P/N

125-PR ■ ■ ■ ■ ■ - ■ example: 125-PRH2509S

| | Letter | Material/Finish | Average Resistance | Current Rating ¹ SS @ 204°C | | |
|------------------|----------|---|--------------------|---|----------|---------------------|
| Tube | G | Nickel silver OD gold plated | < 15 mOhms | 23.0 Amps | | |
| | H | High conductivity proprietary alloy/gold plated | < 10 mOhms | 41.0 Amps | | |
| | N | Nickel silver/no finish | < 25 mOhms | 18.8 Amps | | |
| | S | High conductivity proprietary alloy/silver plated | < 10 mOhms | 48.0 Amps | | |
| Tip Style | Digits | Material/Finish | | | | |
| | See Tips | Heat treated BeCu/gold plated over nickel | | | | |
| Spring | Letter | Spring Force | Preload | @ 2/3 Stroke | Material | Cycle Life @ Stroke |
| | L | Low | 1.9 [54] | 4.5 [128] | SS | 1M @ .167 [4.24] |
| | S | Standard | 2.2 [62] | 7.0 [198] | SS | 1M @ .167 [4.24] |
| | H | High | 3.7 [105] | 12.0 [340] | SS | 1M @ .167 [4.24] |
| | Y | Elevated | 4.4 [125] | 18.0 [510] | SS | 100K @ .167 [4.24] |
| Option | Digit | Description | | | | |
| | B | Curved tube (pylon replacement) | | | | |
| | N | No probe lubrication. Removing probe lubrication greatly reduces cycle life and should only be used in applications requiring operating temperatures below -45°C. | | | | |
| | (Blank) | No option required | | | | |

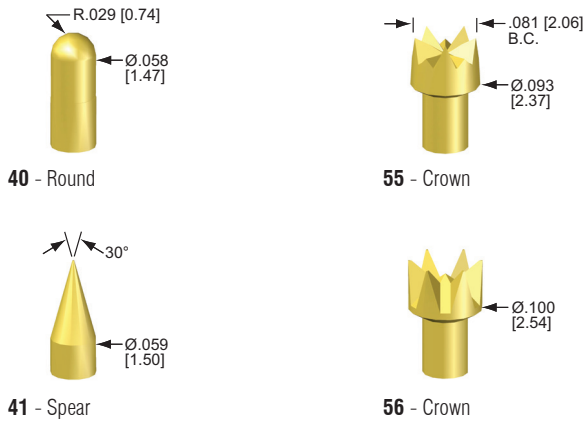
¹ Current Rating is affected by spring material and lubrication choices. Standard lubrication has a 204°C maximum operating temperature limit. Before using probes near these current limits, please refer to Current Carrying Capacity and Operating Temperature Application Notes.



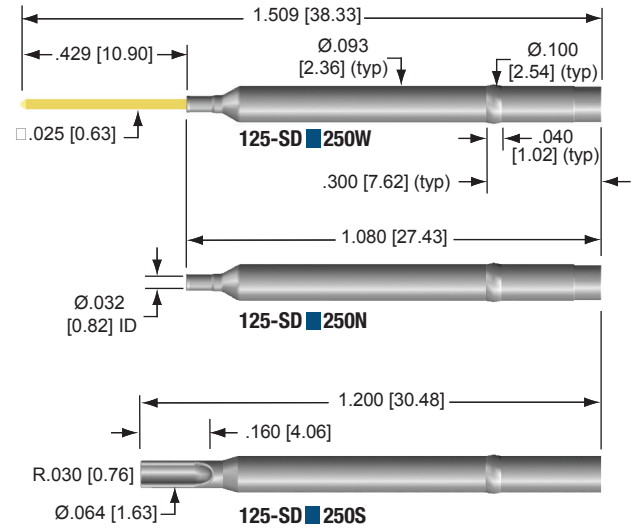
125-25 SERIES

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at:

| Hole Size | Drill Size |
|-------------------------------|--------------|
| .0940 / .0960 [2.390 / 2.440] | 2.4mm or #41 |



Sockets



Tools & Accessories P/N

- Pin Gauge:** PG125
- Socket Installation:** ITR125-FL*
ITR125 SET .001 to .250 [0.03 to 6.35]*
- Socket Extraction:** ETR125*
ETR125-KIT (includes ITR125-FL & ETR125)
- Probe Installation:** PT100/75

* Replaceable TIPS are available when applicable and noted above. Example ITR125-FL-TIP

Socket P/N

125-SD 250 example: 125-SDN250W

| Letter | Material/Finish |
|--------|--|
| N | Nickel silver/no finish |
| G | Nickel silver/OD gold plated ❶ |
| H | High conductivity copper alloy/gold plated ❷ |

| Letter | Description |
|--------|--|
| N | No termination |
| S | Solder cup ❸ |
| W | Square wire wrap pin, Phospor bronze/gold plated over nickel |

NOTES: ❶ Not available in G tube material
❷ Not available in S termination
❸ Only available in S termination

US Patent No. 4,885,533

