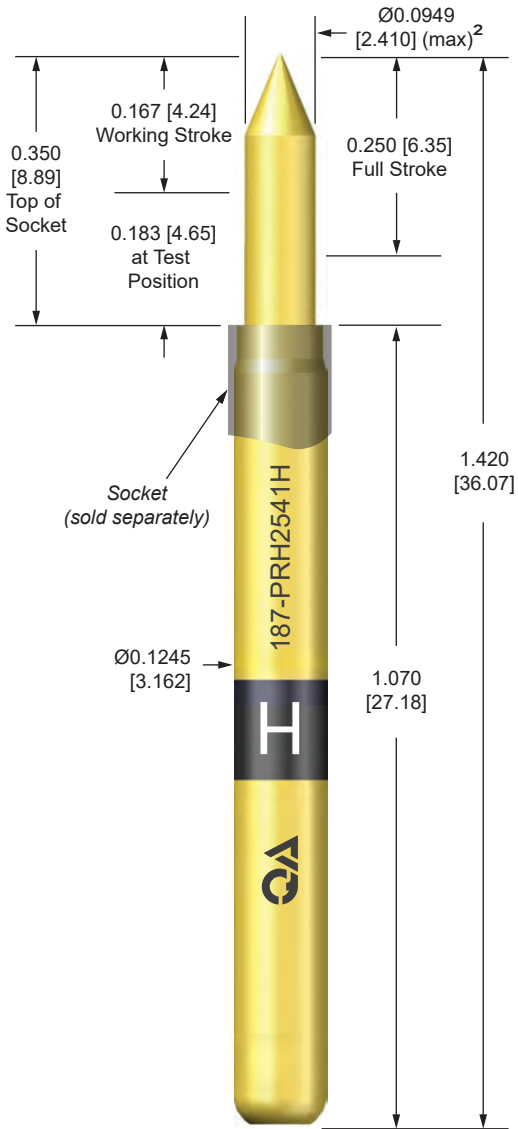




# 187-25 Series

0.187 [4.75] Centers | 0.250 [6.35] Full Stroke

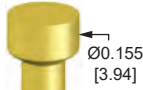


## SERRATED



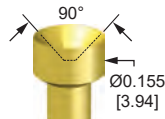
09 Serrated

## FLAT



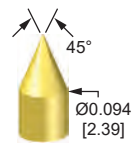
10 Flat

## CUP



22 Cup

## SPEAR



41 Spear

## PROBE P/N 187-PR 25 H example: 187-PRH2509H

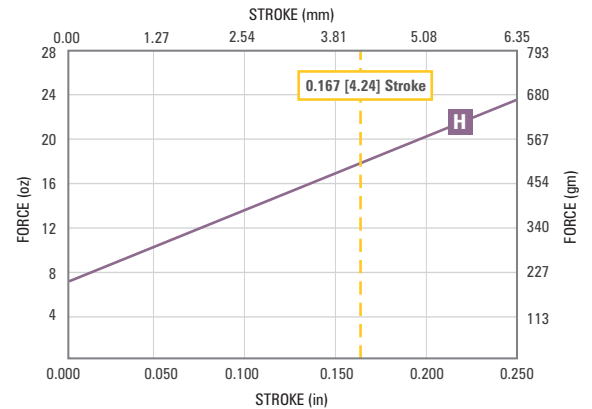
| Letter           | Material/Finish                                   | Average Resistance  | Current Rating AMPS <sup>1</sup><br>120°C (204°C) <sup>3</sup> |                       |           |                                  |
|------------------|---|---|--|-----------------------|-----------|----------------------------------|
| <b>Tube</b><br>N | Nickel silver/no finish                           | < 20 mOhms  | 24 (32) <sup>3</sup>   |                       |           |                                  |
| H                | High conductivity proprietary alloy/gold plated   | < 10 mOhms  | 39 (55) <sup>3</sup>   |                       |           |                                  |
| S                | High conductivity proprietary alloy/silver plated | < 5 mOhms   | 48 (59) <sup>3</sup>   |                       |           |                                  |
| Tip Style        | Material/Finish                                   |   |  |                       |           |                                  |
| See Tips         | Heat treated BeCu/gold plated over nickel         |   |  |                       |           |                                  |
| Spring           | Letter  | Spring Force  | Preload  | @ 0.167 [4.24] Stroke | Material  | Cycle Life @ 0.167 [4.24] Stroke |
| H                | High  | 7.0 [198g/1.95N]  | 18.0 [510g/5.00N]  | SS                    | 1,000,000 |                                  |
| Option           | Letter  | Description   |  |                       |           |                                  |
| N                |   | No probe lubrication. Removing lubrication greatly reduces cycle life and should only be used in applications outside of the working temperature range, see Testing in Extreme Working Temperatures application note for more details. <sup>3</sup> |  |                       |           |                                  |
| (Blank)          |   | No option required  |  |                       |           |                                  |

<sup>1</sup> Current rating is affected by spring material and lubrication choice. Please refer to Current Carrying Capacity and Testing in Extreme Working Temperature applications notes for more details.

<sup>2</sup> Maximum plunger OD should be used to calculate minimum guide plate clearance holes.

<sup>3</sup> Working Temperature Range: -45°C to 120°C with lubrication. SS springs can be used up to 204°C without lubrication.

## SPRING FORCE

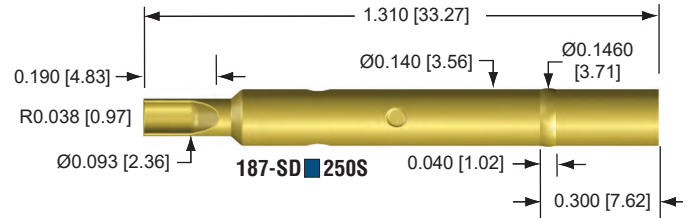


## TOOLS & ACCESSORIES

See pages 75-79 for order information.

## SOCKETS

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at: 0.141 / 0.143 [3.58 / 3.63]; Drill Size 3.60mm



### SOCKET P/N 187-SD 250S example: 187-SDH250S

| Term. | Letter | Description |
|-------|--------|-------------|
|       | S      | Solder cup  |

| Tube | Letter | Material/Finish                            |
|------|--------|--|
|      | N      | Nickel silver/no finish                    |
|      | H      | High conductivity copper alloy/gold plated |

US Patent No. 4,885,533

