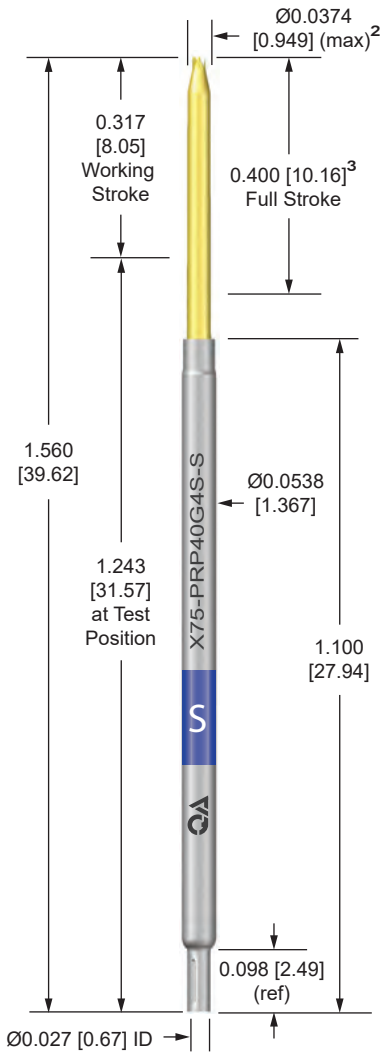


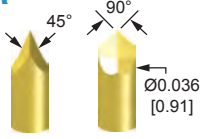


# X75-40 Series

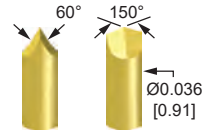
0.075 [1.91] Centers | 0.400 [10.16] Full Stroke



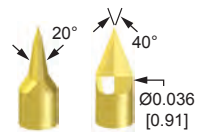
## RAZOR



6R Razor

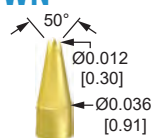


8R Razor

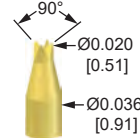


9R Razor

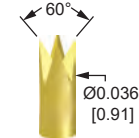
## CROWN



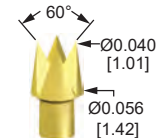
54 Crown



64 Crown



44 Crown



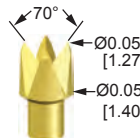
34 Crown



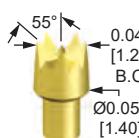
14 Crown



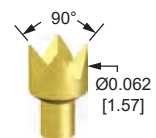
94 Crown



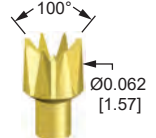
24 Crown



55 Crown

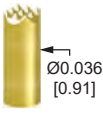


04 Crown

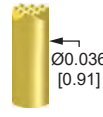


58 Crown

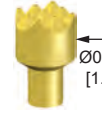
## SERRATED



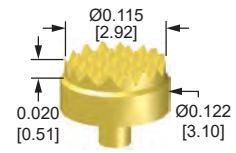
49 Serrated



79 Micro Serrated



09 Serrated



19 Serrated  
0.150 [3.81] Min. Centers

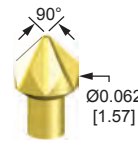
## STAR



46 Flat Star



76 Center Point Star



06 Star

## PROBE P/N X75-PRP40- - example: X75-PRP4003L

| Tube      | Letter         | Material/Finish   | Average Resistance | Current Rating AMPS <sup>1</sup><br>120°C (204°C)* |          |                                  |
|-----------|----------------|---|--------------------|--|----------|----------------------------------|
|           | P              | Nickel silver/ID precious metal clad  | < 20 mOhms         | 7.9 (11.3) <sup>4</sup>                            |          |                                  |
| Tip Style | Digits         | Material/Finish   |                    |  |          |                                  |
|           | See Tips       | Heat treated BeCu/plated gold over nickel. (see S option for steel plungers)  |                    |  |          |                                  |
| Spring    | Letter         | Spring Force  | Preload            | @ 0.317 [8.05] Stroke                              | Material | Cycle Life @ 0.317 [8.05] Stroke |
|           | L              | Low   | 0.8 [23g/0.22N]    | 3.0 [85g/0.83N]                                    | MW       | 1,000,000                        |
|           | S              | Standard  | 1.5 [43g/0.42N]    | 5.7 [162g/1.58N]                                   | SS       | 500,000                          |
|           | H <sup>3</sup> | High  | 2.0 [57g/0.56N]    | 7.0 [198g/1.95N]                                   | SS       | 300,000                          |
|           | U <sup>3</sup> | Ultra   | 2.5 [71g/0.70N]    | 8.1 [230g/2.25N]                                   | MW       | 10,000                           |
| 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>4</sup> |                    |  |          |                                  |
|           | S              | Heat treated steel/plated gold over nickel (see tip style for availability)   |                    |  |          |                                  |
|           | (Blank)        | No option required  |                    |  |          |                                  |

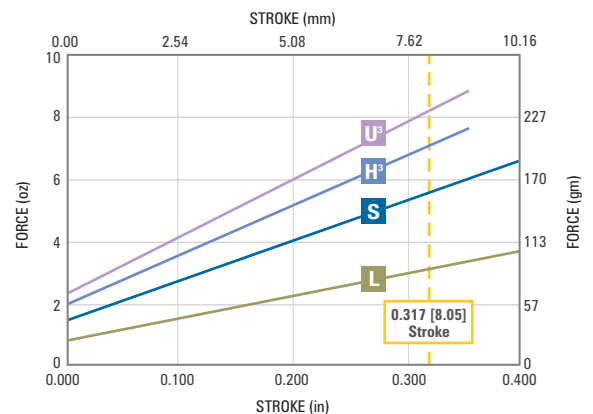
<sup>1</sup> Current rating is affected by spring material and lubrication choice. Please refer to Current Carrying Capacity and Testing in Extreme Working Temperature applications notes for more details.

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

<sup>3</sup> 0.350 [8.89] max stroke for H & U spring.

<sup>4</sup> Working Temperature Range: -55°C to 120°C with lubrication. SS springs can be used up to 204°C without lubrication.

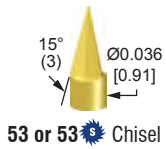
## SPRING FORCE



## TOOLS & ACCESSORIES

See pages 75-79 for order information.

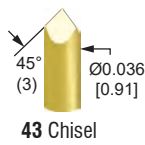
## CHISEL



53 or 53 Chisel



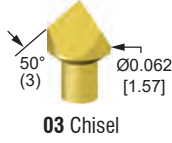
63 Chisel



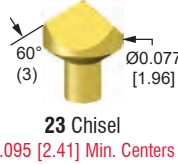
43 Chisel



13 Chisel

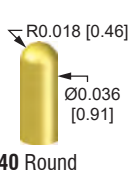


03 Chisel

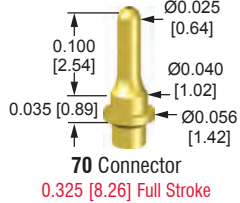


23 Chisel  
0.095 [2.41] Min. Centers

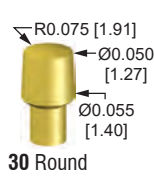
## ROUND



40 Round

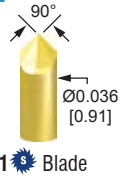


70 Connector  
0.325 [8.26] Full Stroke



30 Round

## BLADE

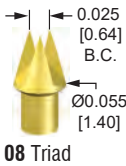


61 Blade

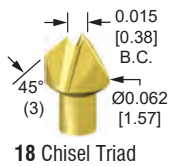


71 Blade

## TRIAD

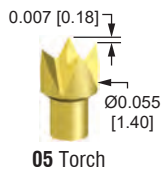


08 Triad

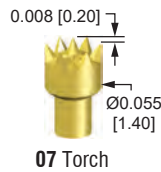


18 Chisel Triad

## TORCH

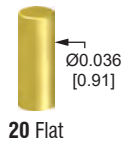


05 Torch

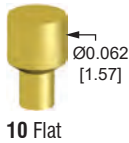


07 Torch

## FLAT



20 Flat



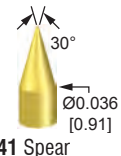
10 Flat

## CUP



22 Cup

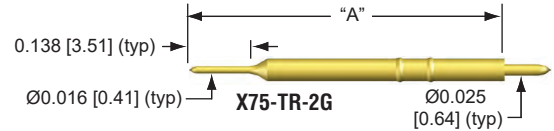
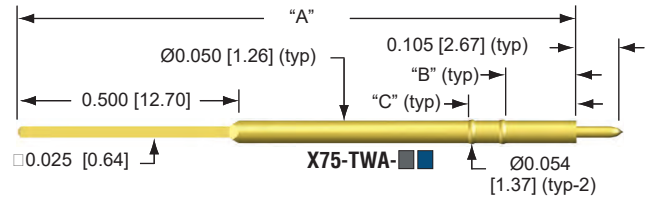
## SPEAR



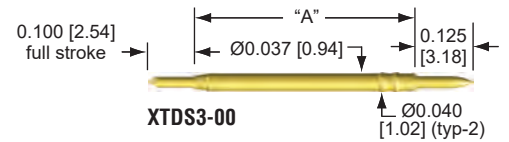
41 Spear

## TERMINATION PIN

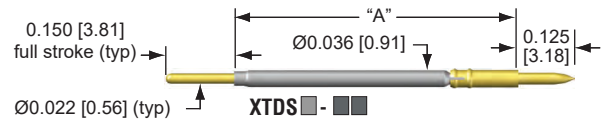
Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged in probe plate at 0.0545 / 0.0560 [1.384 / 1.422]; Drill Size #54 or 1.40mm and wired back plate at 0.0515 / 0.0525 [1.308 / 1.333]; Drill Size #55 or 1.35mm or wireless back plate at 0.0380 / 0.0390 [0.965 / 0.990]; Drill Size 1.0mm



X75-TR-0G



XTDS3-00



XTDS - -

X75-40 Series

## TERMINATION PIN P/N

X75-T - - example: X75-TWA-5G

| Termination | Letter   | Material   |               |              |              |
|-------------|--|--|---------------|--------------|--------------|
|             | DS   | Double-Ended for wireless testing. See page 69 for ordering details. |               |              |              |
| R           | Round Post. Heat treated BeCu/gold plated over nickel. |  |               |              |              |
| WA          | Wire Wrap. Heat treated BeCu. See plating options.     |  |               |              |              |
| Body        | Digits   | Description  | A in (mm)     | B in (mm)    | C in (mm)    |
|             | 0  | Only available in TR   | 0.271 [6.88]  | 0.039 [0.99] | 0.000 [0.00] |
|             | 2  | Only available in TWA  | 0.878 [22.30] | 0.079 [2.00] | 0.034 [0.86] |
|             | 5  | Only available in TR   | 0.715 [18.16] | 0.245 [6.22] | 0.160 [4.06] |
|             | 7  | Only available in TWA  | 1.265 [32.13] | 0.245 [6.22] | 0.160 [4.06] |
|             | 00   | Only available in TW   | 1.765 [44.83] | 0.245 [6.22] | 0.160 [4.06] |
| Plating     | Letter   | Material   |               |              |              |
|             | G  | Gold plated over nickel.   |               |              |              |
|             | S  | Silver plated over nickel. Ⓢ   |               |              |              |
|             |  |  |               |              |              |

NOTES: Ⓢ Only Available TWA-5

US Patent No. 6,570,399 & 4,885,533

