

Order your ECT Test Probes from ROMEX B.V. via Phone: +31-(0)317-389787, Fax: +31-(0)317-389780 or E-mail: info@romex.nl.

Probe Specifications HPA-74**Mechanical**

Full Travel: .100 (2.54)
 Recommended Working Travel: .075 (1.91)
 Mechanical Life Exceeds: 2×10^6 cycles

Operating Temperature

Standard Spring: -55°C to +150°C
 Alternative Spring: -55°C to +105°C
 Consult factory for other temperature requirements, and applications below -40° C.

Electrical (Static Conditions)

Current Rating: 3 amps
 Maximum continuous current, non-inductive at working travel

Average Probe Resistance 35 mΩ**Materials and Finishes**

Plunger: Heat-treated beryllium copper,
 gold plated over hard nickel
 Barrel: Phosphor bronze, HPA-GOLD™
 plated (I.D. and O.D.) over
 hard nickel
 Spring: Stainless steel, silver plated
 Alt Spring: Music wire, silver plated

Receptacle Specifications

Mounting Hole Size: .067/.069 (1.7/1.75)
 A #51 or 1.75 mm drill is most commonly used.

Recommended Wire Gauge: 26-30 AWG

Connections: EPR-74W-2 Wire wrap/square
 post, 100% vacuum sealed

Materials and Finishes Nickel silver alloy**Hole Diameters to be Contacted**

HPA-74A lands and pads
 HPA-74B lands and pads
 HPA-74C lands and pads
 HPA-74E up to .073 (1.85)
 HPA-74T65 up to .058 (1.47)
 HPA-74T75 up to .070 (1.78)
 HPA-74T80 up to .073 (1.85)
 HPA-74T135 up to .125 (3.18)
 HPA-74T156 up to .150 (3.81)

The HPA-74 can be used to test bare PCBs on Mixed test centers with the HPA-0 and HPA-1,
 see pages 28 and 30.

Spring Force in oz. (grams)

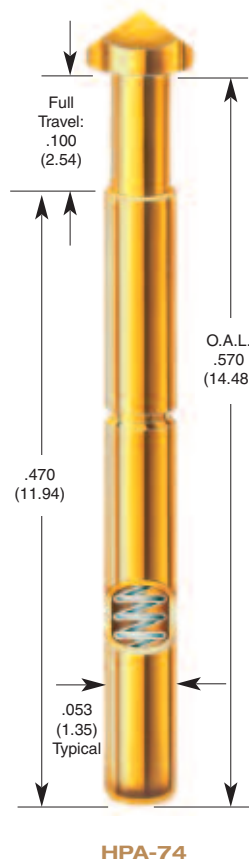
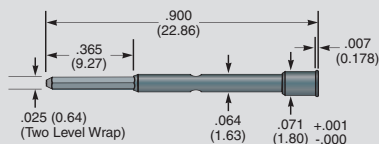
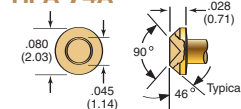
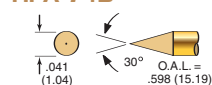
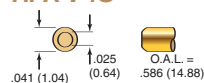
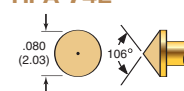
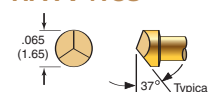
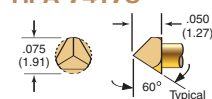
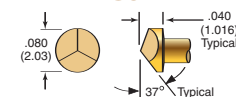
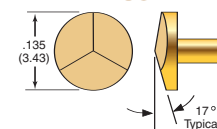
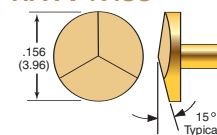
Spring Type	Preload	3/4 Travel
Standard	as shown	1.71 (48) 3.0 (85)
Alternate	-1	2.82 (80) 5.0 (141)

To order, add dash number to Model Number.

Optional spring forces and materials are available.

Recommended Test Centers

HPA-74A, B, C, E, T65, T75, T80	.100 (2.54)
HPA-74T135	.156 (3.96)
HPA-74T156	.187 (4.75)

EPR-74W-2**HPA-74A****HPA-74B****HPA-74C****HPA-74E****HPA-74T65****HPA-74T75****HPA-74T80****HPA-74T135****HPA-74T156****Bare PCB Test Probes**Actual
Size