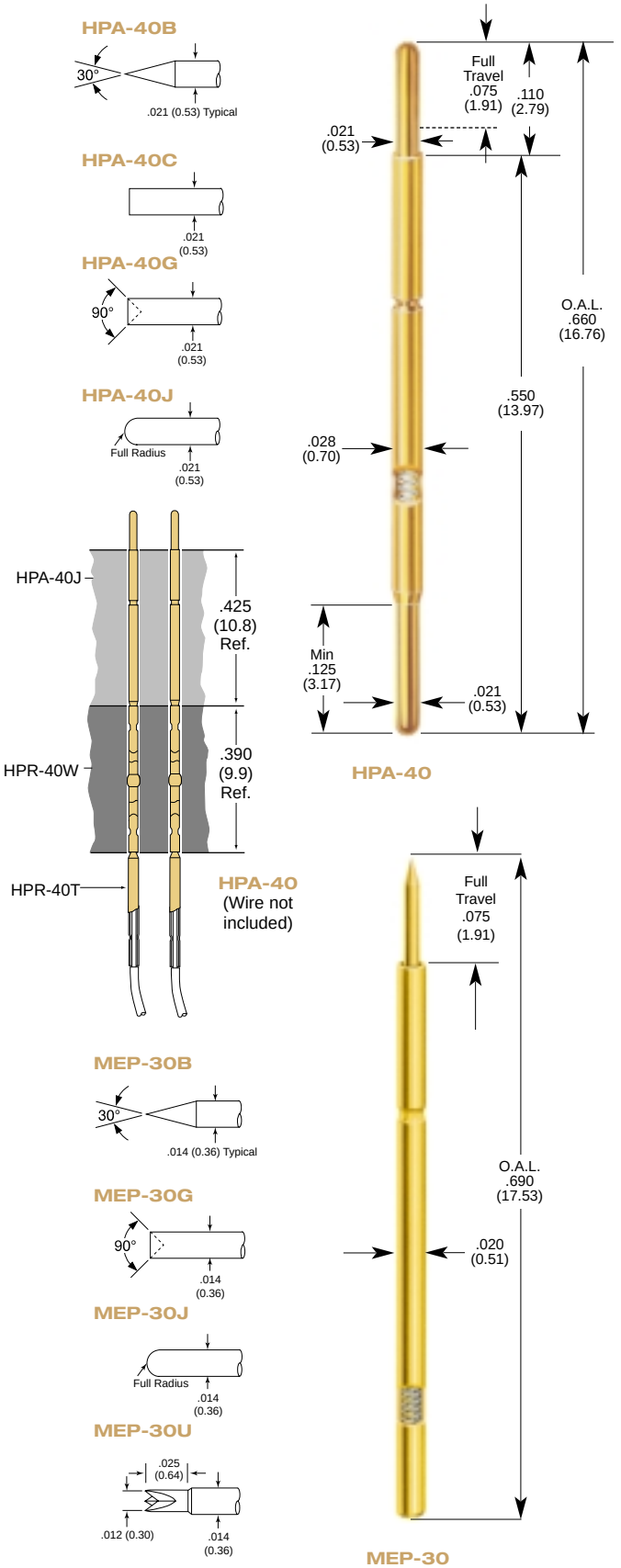
# HPA-40
# MEP-30

Test Centers
.039 (1.00)
.030 (0.76)

TO ORDER, CALL 909-625-9390






Actual Sizes

*Dimensions in inches (millimeters)*

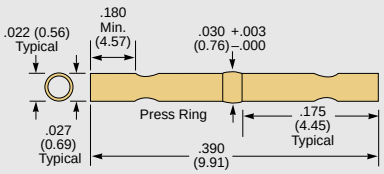
| Probe Specifications | HPA-40 | MEP-30 |
|---|---|---|
| **Mechanical** | | |
| Full Travel: | .075 (1.91) | .075 (1.91) |
| Recommended Working Travel: | .050 (1.27) | .050 (1.27) |
| Mechanical Life Exceeds: | 1 x $10^6$ cycles | 1 x $10^6$ cycles |
| **Operating Temperature** | -55°C to +105°C | -55°C to +105°C |
| Consult factory for other temperature requirements, and applications below -40° C. | | |
| **Electrical** (Static Conditions) | | |
| Current Rating: | 2 amps | 2 amps |
| Maximum continuous current, non-inductive at working travel | | |
| **Probe Resistance** | 35 mΩ | 50 mΩ |
| With a standard deviation of <4 mΩ @ 25 mA test current | | |
| **Materials and Finishes** | | |
| Plunger: | Heat-treated beryllium copper, gold plated over hard nickel | Heat-treated beryllium copper, gold plated over hard nickel |
| Barrel: | Work-hardened nickel silver, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel | Heat-treated beryllium copper, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel |
| Spring: | Stainless steel, silver plated | Music wire, silver plated |

| Receptacle Specifications | | |
|---|---|---|
| **Mounting Hole Size:** | .0285/.0295 (0.72/0.75) A #69 or 0.75 mm drill is most commonly used. | .0265/.0276 (0.67/0.70) .030 (0.76) Test Centers A 0.70 mm drill is most commonly used. |
| **Recommended Wire Gauge:** | 28-30 AWG | 30 AWG |
| **Connections:** | **HPR-40W** Crimp **HPR-40T** for plug-in connection | **HPR-30W** Crimp (To order with 30 inches of 30 AWG wire attached, add -30 to model number.) |
| **Materials and Finishes** | Work-hardened nickel silver, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel | Heat-treated beryllium copper, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel |

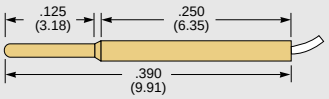
| Spring Force in oz. (grams) Spring Type | | Preload | 2/3 Travel |
|---|---|---|---|
| **HPA-40** | as shown | .79 (22) | 1.75 (49) |
| **MEP-30** | as shown | .39 (11) | 1.39 (39) |

Optional spring forces and materials are available.

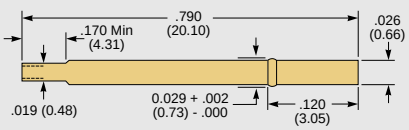
## HPR-40W




## HPR-40T




## HPR-30W






Other applications: