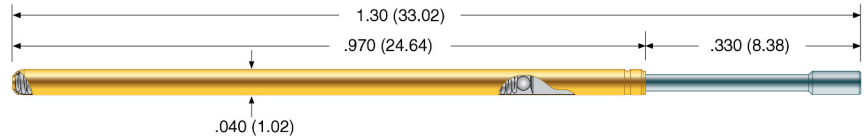


# BTP-1

75 mil (1.91 mm)



**Mechanical**

Recommended Travel: .167 (4.24)  
 Full Travel: .250 (6.35)  
 Operating Temperature: -55°C to +150°C

**Spring Force in oz. (grams)**

	Order Code	Preload	Rec. Travel
Light	- 2	0.83 (24)	2.0 (57)
Standard	- 4	0.62 (18)	4.0 (114)
Alternate	- 6	2.39 (68)	6.0 (170)
Elevated	- 7	1.68 (48)	7.0 (198)
High	- 8	1.73 (49)	8.0 (227)

**Electrical (Static Conditions)**

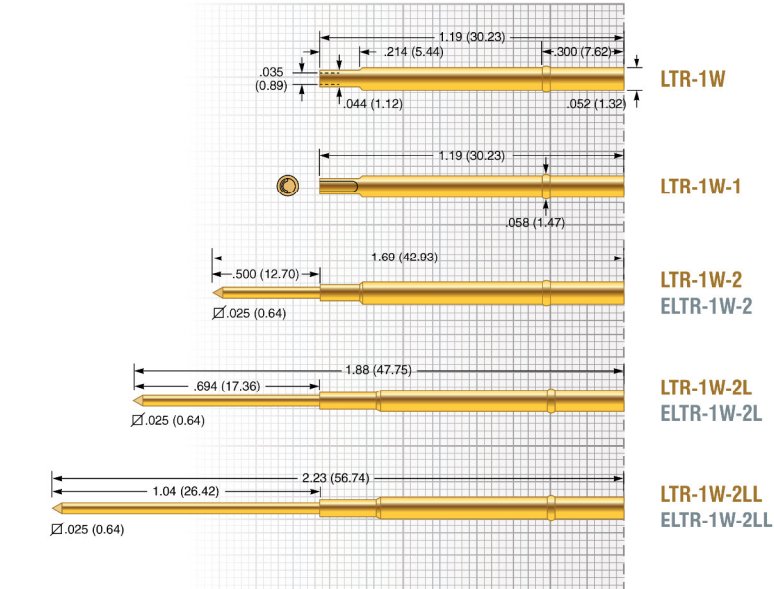
Current Rating: 6 amps  
 Average Probe Resistance: < 10 mOhms

**Materials and Finishes**

Plunger: High performance alloy  
 LFRE proprietary plating  
 Barrel: Work hardened Phosphor Bronze,  
 Gold plated over hard Nickel  
 Spring: Stainless Steel  
 Ball: Stainless Steel

**Receptacle**

Hole diameter: Ø .053 to .055 (1.35 to 1.40)  
 Suggested drill: #54 or 1.40 mm  
 Material  
 • LTR Housing: Nickel Silver, Gold plated  
 • ELTR Housing: Nickel Silver, unplated  
 Post: Phosphorous Bronze, Gold plated

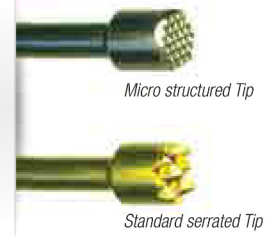
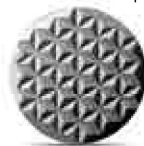


Tip Style					
C	F	HC	HF	HL	
Ø .035 (0.89)	Ø .047 (1.19)	Ø .022 (0.56)	Ø .035 (0.89)	Ø .047 (1.19)	

## MICRO STRUCTURED TIP

The hemi-ellipsoid shape of a Bead Probes presents a unique probing challenge in that standard serrated probes may fall into the valleys between serrations. ECT has developed a new textured tip face that is optimized for contact to the hemi-ellipsoid shape of Bead Probes as small as .004".

An innovative "Micro-Textured" tip incorporates closely spaced triangular pyramid shapes to form a textured surface. Perfect for contacting beads that are long yet have a small width when placed on a PCB trace.



Series	Size	Tip Style	Spring Force
BTP	1	HF	8