

Reduced Tip Thermocouples:

STANDARD SPECIFICATIONS:

- Reduced tip is annealed after swaging process.
- Taper angle 3 to 4 degrees per side (6 to 8 degree included angle)
- Normal tolerances and specifications
 - MgO compaction: 70% minimum.
 - Reduced tip diameter tolerance: +/- .003"
 - Reduced tip length tolerance: +/- .125" (measured from tip to start of taper)

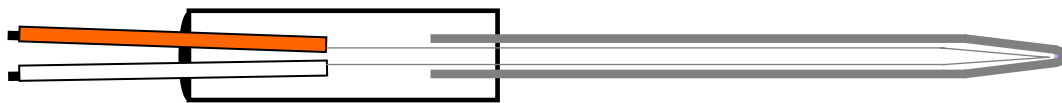
Note: Special dimensions and tolerances available upon request. Please ask us.

COMMON REDUCTIONS AVAILABLE:

CABLE Diameter	TIP Diameter	Max. Taper Length	Avg. Taper Length
.375"	.250"	1.30"	1.022"
	.188"	1.80"	1.529"
.250"	.188"	.60"	.507"
	.125"	1.20"	1.022"
.188"	.125"	.60"	.515"
	.092"	.90"	.785"
.125"	.092"	.30"	.270"
	.062"	.60"	.515"
.062"	.040"	.20"	.180"
.040"	.020"	.20"	.164"

TYPES OF REDUCED TIPS

Bullet Tip



Standard Reduced Tip (specify reduced length)



FORMULA for TAPER SECTION LENGTH: (3.5 degree angle)

$$\text{TAPER LENGTH} = [(\text{START O.D.} - \text{FINAL O.D.}) / 2] \times 16.35$$

If you have a design that you require, please do not hesitate to send a drawing for our review. We will usually respond within 24 hours.