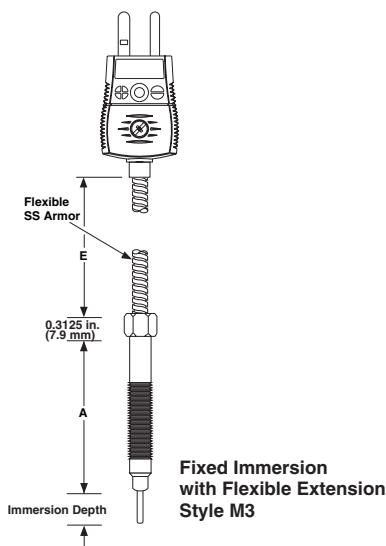
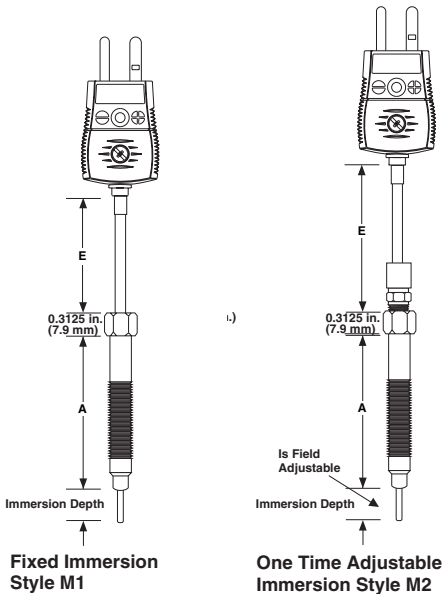


# Thermocouples

## General Applications

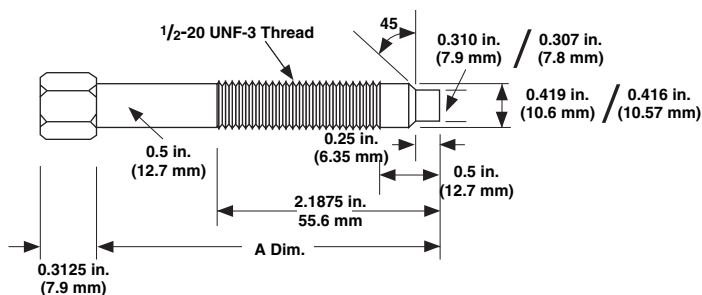
### Melt Bolt Thermocouple

Watlow plastic melt bolt thermocouples are designed so that the sensitive closed end portion of the tip can be inserted directly into the plastic stream of an extruder or injection molding machine. The measuring junction is thermally isolated from the metal bolt mass, assuring accurate reading of the melt temperature up to 260°C (500°F) continuous. Bolt is 300 series stainless steel.



**Custom Ordering Information**—Items in **Bolded Green Type** are preferred with shorter lead times.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>M</b>						<b>A</b>	<b>O</b>							
<b>2. Style</b>														
<b>1 = Fixed immersion</b>														
2 = Adjustable immersion														
3 = Fixed immersion with flex armor														
<b>3. Sheath O.D. (inch)</b>														
G = 0.125														
<b>4. Lead Wire Construction</b>														
O = No flex armor (M1 and M2)														
R = S.S. flex armor (M3 only)														
<b>5. Melt Bolt Length "A" (inch)</b>														
<b>1 = 3</b>														
2 = 6														
<b>6. Cold End Terminations</b>														
<b>A = Standard male plug</b>														
B = Standard female jack														
C = Standard plug with mating connector														
T = Standard 1 ½ inch split leads (Style M3 only)														
U = 1 ½ inch split leads with spade lugs (Style M3 only)														
W = 1 ½ inch split leads with BX connector and spade lugs (Style M3 only)														
<b>7. Probe Construction</b>														
A = Mineral insulated with 304 SS sheath														
<b>8. Enter "0"</b>														
<b>9. Immersion Length "I" (inch)</b>														
1 = 1														
<b>10. Immersion Length "I" (fractional inch)</b>														
<b>1 = 1/8</b> 5 = 5/8														
<b>2 = 1/4</b> 6 = 3/4														
3 = 3/8      7 = 7/8														
4 = 1/2      0 = Flush														
<b>11. Junction</b>														
U = Ungrounded														
G = Grounded														
<b>12. Calibration</b>														
Standard limits <b>J</b> K														
Special limits      3      4														
<b>13-14. Extension Length "E"</b>														
<b>03, 06</b>														
Whole inches: 02 to 99														
<b>15. Special Requirements</b>														
If none, enter "0". If required, consult factory														



Standard Dimensions For M1, M2, and M3 Melt Bolts