

Melt Bolt Thermocouples

Melt Bolt Thermocouples for Plastic Extruders or Injection Molding Machines

Design Features

* **Bolt Material**

Stainless Steel
1/2-20 UNF Thread

* **Probe Material**

Stainless Steel

* **Probe Diameters**

Standard 1/8"

* **Calibration**

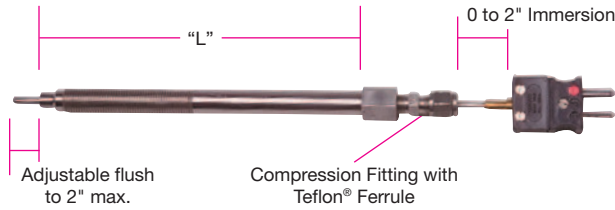
ANSI Type J
(Iron-Constantan)

* **Junction Style**

Closed End Grounded

Style A—Adjustable Tip

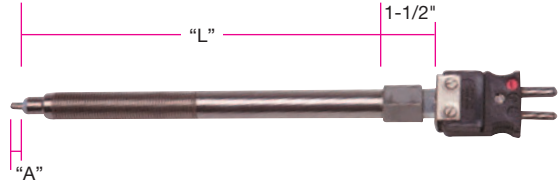
- * Eliminates excess inventory.
- * Tip can be field adjusted from flush to 2 inches.
- * MgO insulated.
- * Can be installed wherever standard melt thermocouples are in use.
- * Bolt with Teflon® insert at tip has a maximum operating temperature of 500°F (260°C). Without insert 1400°F (760°C).



Thermocouple Diameter	Part Number			
	Without Teflon® Insert		With Teflon® Insert	
	L = 3"	L = 6"	L = 3"	L = 6"
1/8"†	TMB00001	TMB00002	TMB00003	TMB00004
3/16"	TMB00005	TMB00006	N/A	N/A

†For 1/8" diameter, it is not recommended to immerse tip more than 1" due to bending and breakage in melt flow.

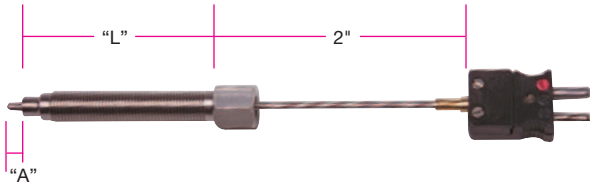
Style R—Fixed Immersion with No Extension



Insulation—MgO or Fiberglass

Part Number MgO Insulation	"A" (in)	"L" (in)	Part Number Fiberglass Insulation
TMB00027	Flush	3	TMB00037
TMB00028	1/4	3	TMB00038
TMB00029	1/2	3	TMB00039
TMB00030	3/4	3	TMB00040
TMB00031	1	3	TMB00041
TMB00032	Flush	6	TMB00042
TMB00033	1/4	6	TMB00043
TMB00034	1/2	6	TMB00044
TMB00035	3/4	6	TMB00045
TMB00036	1	6	TMB00046

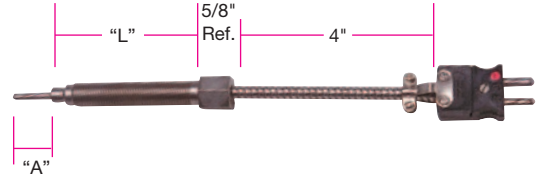
Style E—Fixed Immersion with Rigid Extension



Insulation—MgO or Fiberglass

Part Number MgO Insulation	"A" (in)	"L" (in)	Part Number Fiberglass Insulation
TMB00007	Flush	3	TMB00017
TMB00008	1/4	3	TMB00018
TMB00009	1/2	3	TMB00019
TMB00010	3/4	3	TMB00020
TMB00011	1	3	TMB00021
TMB00012	Flush	6	TMB00022
TMB00013	1/4	6	TMB00023
TMB00014	1/2	6	TMB00024
TMB00015	3/4	6	TMB00025
TMB00016	1	6	TMB00026

Style F—Fixed Immersion with Flexible Extension



Insulation—Fiberglass only

Stock Items Are Shown In RED

"A" (in)	"L" (in)	Part Number Fiberglass Insulation
Flush	3	TMB00047
1/4	3	TMB00048
1/2	3	TMB00049
3/4	3	TMB00050
1	3	TMB00051
Flush	6	TMB00052
1/4	6	TMB00053
1/2	6	TMB00054
3/4	6	TMB00055
1	6	TMB00056



See page 14-101 for Blank Melt Bolts