

## 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**

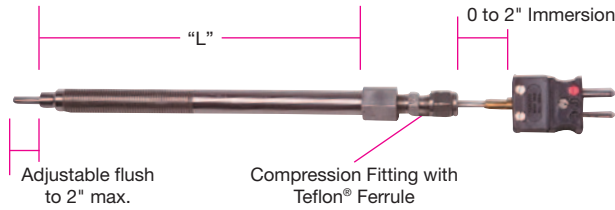
ANSI Type J  
(Iron-Constantan)

\* **Junction Style**

Closed End Grounded

#### Style A—Adjustable Tip

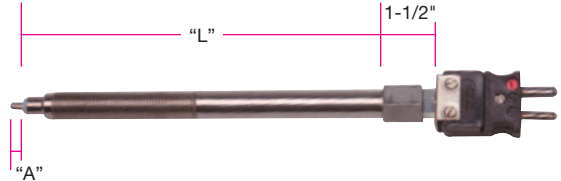
- \* Eliminates excess inventory.
- \* Tip can be field adjusted from flush to 2 inches.
- \* MgO insulated.
- \* Can be installed wherever standard melt thermocouples are in use.
- \* Bolt with Teflon® insert at tip has a maximum operating temperature of 500°F (260°C). Without insert 1400°F (760°C).



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.

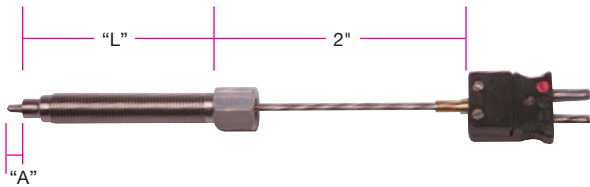
#### Style R—Fixed Immersion with No Extension



#### 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

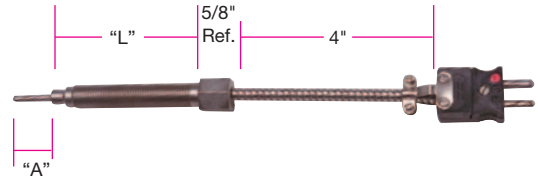
#### Style E—Fixed Immersion with Rigid Extension



#### 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	<b>TMB00048</b>
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