

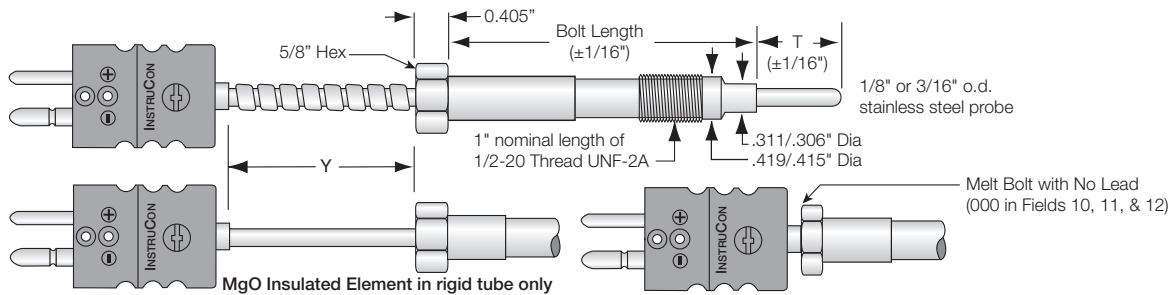
Melt Bolt T/C

Melt Bolt Thermocouple Fixed Depth Immersion

Melt bolt thermocouples are used on extruders and injection molding machines. The immersed tip provides direct melt temperature measurement. Two styles are available.

Standard bolt lengths are 3", 4" and 6". Other lengths are available. Typically, 2" of protection tube ("Y" dimension) beyond the bolt head is satisfactory.

- MgO (MI) insulated wire in a full length, rigid stainless steel probe.
- Fiberglass insulated wire in a rigid stainless steel probe with a flexible, armor clad protection tube



Code	Field 1: Type	P															Code	Field 13: Style
P	Plastics Industry Thermocouples	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	Melt Bolt

Fields 2, 3, 4, 5, 6

Type J, Fiberglass Insulation with Flexible Armor					
Code	Ga.	Elements	Wire	Probe O.D.	Junction
011-51	20	Single	Solid	0.188"	Closed, grounded
021-41	24	Single	Solid	0.125"	Closed, grounded
021-51	24	Single	Solid	0.188"	Closed, grounded
024-51	24	Dual	Solid	0.188"	Closed, grounded

Type J, MgO Insulation			
Code	Elements	Probe O.D.	Junction
161-41	Single	0.125"	Closed, grounded
161-42	Single	0.125"	Closed, ungrounded
161-43	Single	0.125"	Open, ungrounded
161-51	Single	0.188"	Closed, grounded
161-52	Single	0.188"	Closed, ungrounded
161-53	Single	0.188"	Open, ungrounded
164-41	Dual	0.125"	Closed, grounded
164-42	Dual	0.125"	Common, closed, ungrounded
164-44	Dual	0.125"	Common, exposed
164-45	Dual	0.125"	Isolated, exposed
164-51	Dual	0.188"	Closed, grounded
164-52	Dual	0.188"	Common, closed, ungrounded
164-54	Dual	0.188"	Common, exposed
164-55	Dual	0.188"	Isolated, exposed

Code	Field 7: Cold End Termination
0	2-1/2 inch split leads, ends stripped
1	2-1/2 inch split leads, spade lugs
2	2-1/2 inch split leads, lugs and box connector
3	Solid pin quick disconnect plug
4	Solid pin quick disconnect plug and mating jack
7	Quick disconnect jack
C	Hollow pin quick disconnect plug
D	Hollow pin quick disconnect plug and mating jack
M	Miniature quick disconnect plug
N	Miniature quick disconnect and mating jack
Q	Miniature jack
9	Other - Consult Factory

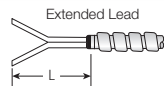
Code	Extended Lead Dimension "L"
F	12" extended lead, stripped ends L=12"
G	24" extended lead, stripped ends L=24"
H	48" extended lead, stripped ends L=48"
J	96" extended lead, stripped ends L=96"
K	144" extended lead, stripped ends L=144"

*Not available on T/Cs with MgO Insulation

Code	Field 14, 15: Tip Length (Dimension "T")
00	None
01	1/8"
03	1/4"
05	1/2"
07	3/4"
09	1"
99	Not listed. Specify on order. 99 = "Length" 1/16" minimum for T/C's with MgO Insulation; 1/8" minimum for T/C's with fiberglass insulation.

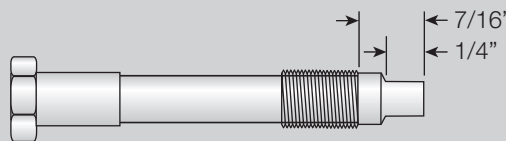
Code	Field 10, 11, 12: Flexible Length
YYY	Dimension "Y" (Specify YYY in whole inch increments, using three digits) NOTE: If over 998", specify 999 = "length" on order
000	No lead. Cold end termination plug (Field 7, code 3 or 4) on end of bolt (see illustration). Not available on dual element thermocouple with MgO Insulation.

Code	Fields 8, 9: Bolt Length
03	3"
04	4"
06	6"
99	1-7/16" to 12" Specify on order 99 = "Length"



Blank Bolts

Blank bolts are available to seal holes in extruder after the thermocouple has been removed. Dimensions illustrated here are typical of blank bolts and immersion thermocouples.



Length	Part Number
3" bolt	A-9759-101
4" bolt	A-9760-101
6" bolt	A-9761-101

Melt Bolt T/C



Common Model Numbers

(The numbers below are just some of the more common numbers for this product. There are too many combinations to list them all.)

P011-51003-072-1-03
P011-51003-096-1-00
P011-51104-060-1-05
P011-51303-000-1-00
P011-51303-000-1-03
P011-51303-000-1-07
P011-51303-000-1-99
P011-51303-002-1-99
P011-51303-006-1-01
P011-51303-006-1-05
P011-51303-006-1-99
P011-51304-002-1-00
P011-51304-002-1-01
P011-51304-002-1-03
P011-51304-002-1-05
P011-51304-002-1-99
P011-51304-004-1-00
P011-51304-004-1-05
P011-51304-006-1-05
P011-51304-096-1-03
P011-51304-120-1-03
P011-51306-000-1-01
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P011-51306-000-1-05
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P011-51306-004-1-00
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P011-51306-006-1-01
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P011-51306-008-1-00
P011-51306-012-1-00

P011-51399-002-1-05
P011-51399-002-1-99
P011-51399-012-1-00

P011-51404-000-1-03
P011-51404-004-1-03
P011-51406-000-1-03
P011-51406-030-1-05

P011-51C04-006-1-00
P011-51C04-006-1-03
P011-51C04-006-1-05
P011-51C06-006-1-00
P011-51C06-006-1-05
P011-51C06-084-1-03

P021-41006-002-1-03

P021-41303-000-1-00
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P161-51304-002-1-05

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