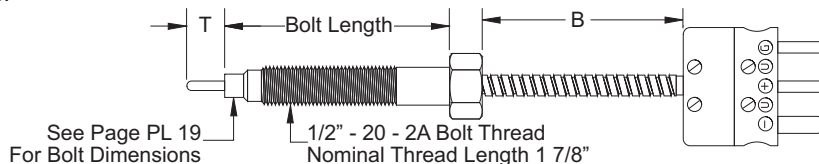


The melt bolt RTD sensor illustrated below is used on extruders and injection molding machines to directly measure the melt temperature of plastic as it moves down the extruder barrel. This sensor is made of 304 stainless steel and is constructed using a 100 Ω platinum element with a temperature coefficient of 0.003 85 °C⁻¹ and an accuracy of ± 0.3 °C @ 0 °C (DIN Class B). Note: Accuracy statement for 3-wire assemblies only. Elements of other materials, values, and accuracies are available upon request. See General RTD Specifications, later in this section, for temperature ratings on selected wire type and other construction specifications.



ORDER CODES

Example Order Number:

1-1
1-2
1-3
2
3
4
RBF1852MB 2 3 - 02 - F3A012 - 4

1-1 RTD Element Type

CODE		ELEMENT CONNECTION
SINGLE	DUPLEX ^[1]	
RBF1853MB	RBF2853MB	3 wire
RBF1852MB	RBF2852MB	2 wire

Other Element Types

[1] Duplex not available with 1/8" OD; 3/16" OD limited to Kapton® leadwire.

1-2 Tip Diameter

CODE	DIAMETER (inches)
2	1/8
3	3/16

1-3 Bolt Length

CODE	LENGTH (inches)
3	3
4	4
6	6

Consult factory for other lengths.

2 Tip Length

CODE	'T' TIP LENGTH (inches)	CODE	'T' TIP LENGTH (inches)
00	Flush	08	1/2
02	1/8	12	3/4
04	1/4	16	1

Consult factory for other lengths.

3 Extension Leadwire

CODE ^[1]	DESCRIPTION
000	No leadwire, connector attached to sheath
F3A_ _ _	Fiberglass insulation - stranded conductor - flexible armor
K3A_ _ _	Kapton® insulation - stranded conductor - flexible armor

[1] Insert 3 digit B length in inches. EX: F1A012=12" B length; for assemblies requiring other than the standard 6" C dimension. EX: F1A036-012=36" B length with additional 12" C length.

4 Terminations and Options

CODE	DESCRIPTION
2	2" split leads, 1/4" stripped
3	2" split leads with spade lugs
4	Standard plug
5	Standard jack
6	Miniature plug
7	Miniature jack
8	2" split leads with 1/4" female disconnects

Options

MC	Mating connector
CC	Cable clamp
BX	Box connector