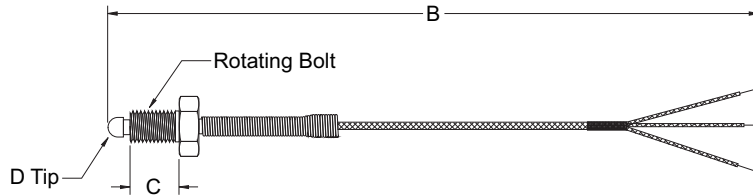


The threaded nozzle RTD illustrated below is generally used to measure the temperature of the nozzle of an injection molding machine. This style is not in direct contact with the molten plastic. Due to the relatively small size of this sensor, other general areas of use include mounting in bearing housings, sealing bars, heat plates, and other limited space applications. These assemblies are supplied standard using a 100 ohm platinum element with a temperature coefficient of  $0.00385 \text{ } ^\circ\text{C}^{-1}$  and an accuracy of  $\pm 0.3 \text{ } ^\circ\text{C}$  @  $0 \text{ } ^\circ\text{C}$  (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** **RBF1852TN** - **2** **F6** - **3** **F3B012** - **4** **2**

### 1 RTD Element Type

CODE	ELEMENT CONNECTION
RBF1853TN	3 wire
RBF1852TN	2 wire

### 2 Bolt Designation

CODE	NOZZLE SIZE		
	THREADS	'D' TIP (inches)	'C' LENGTH
F6	1/4" - 28	3/16	3/8"
G8	3/8" - 24	1/4	1/2"
I6	6 mm x 1 mm	3/16	10 mm
K6	8 mm x 1.25 mm	1/4	10 mm
M10	10 mm x 1.50 mm	1/4	16 mm

Other bolt sizes available consult factory.

### 3 Extension Length B

CODE <sup>[1]</sup>	WIRE DESCRIPTION
F3_ _ _	Fiberglass insulation - stranded conductor
F3B_ _ _	Fiberglass insulation - stranded conductor - stainless steel overbraid
K3_ _ _	Kapton <sup>®</sup> insulation - stranded conductor
K3B_ _ _	Kapton <sup>®</sup> insulation - stranded conductor - stainless steel overbraid

[1] Insert 3 digit B length in inches. EX: F3B024=24" B length

### 4 Terminations and Options

CODE	DESCRIPTION
0	Leads not stripped
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