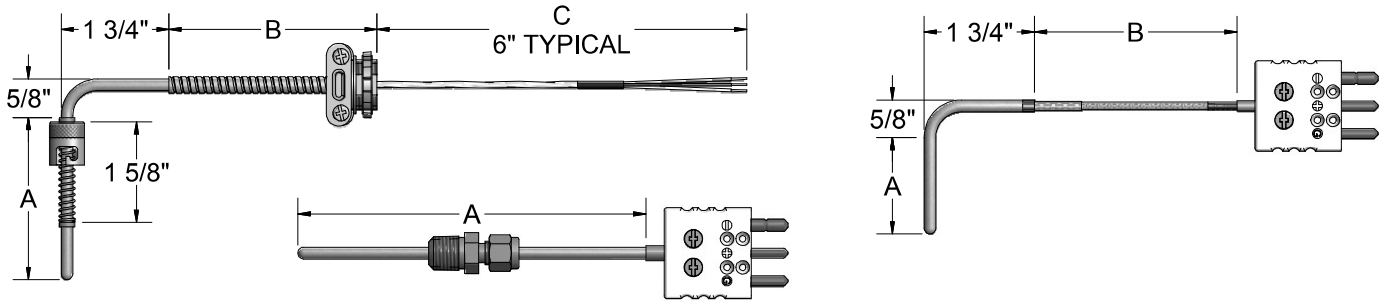


The RTDs described below are those most commonly used in the plastic process industry. These assemblies can be used in many general applications where a 1/8" NPT fitting is preferred by utilizing either a compression fitting or a bayonet adapter. These assemblies are supplied standard using 316 stainless steel sheath material and a 100 Ω platinum element with a temperature coefficient of 0.003 85 °C<sup>-1</sup> (IEC Class B). Elements of other materials, values, and tolerances are available upon request.



### ORDER CODES

**Example Order Number:** **RBF1853P** **3** **3** - **06** - **13A** - **F3B012** - **2, BX**

#### 1-1 RTD Element

CODE	DUPLEX <sup>[1]</sup>	ELEMENT CONNECTION
RBF1853P	RBF2853P	3-wire
RBF1852P	RBF2852P	2-wire

[1] Duplex: no 1/8" O.D.; 3/16" O.D. limited to polyimide or fluoropolymer leadwire.

#### 1-2 Sheath Diameter

CODE	DESCRIPTION (inches)
2 <sup>[1]</sup>	1/8
3	3/16
4	1/4

[1] Only available with polyimide or fluoropolymer leads.

#### 1-3 Bend Angle

CODE	DESCRIPTION
1	Straight
2	45 degree bend
3	90 degree bend

#### 2 "A" Dimension

Insert 2 digit "A" length in inches (1" min). EX: 06 = 6 inch "A" dimension.

#### 3 Sheath Fittings

CODE	DESCRIPTION	NOMINAL LENGTH (inches)
00	No fitting	
13A <sup>[1]</sup>	7/16" I.D. single slot spring loaded bayonet ftg	1 5/8
15A	1/8" NPT brass one time adjustable comp. ftg	1 1/8
05A	1/8" NPT SS one time adjustable comp. fitting	1 1/4
16A	Comp. fitting with bayonet cap and spring - 1/8" O.D. sheaths only (2 5/8" min. 'A' dimension)	2 3/8

[1] 13A are not available with 1/4" O.D. sheaths

#### 4 Extension Leadwire Type and "B"+"C" Dimension

CODE <sup>[1]</sup>	DESCRIPTION
000	No leadwire, connector attached to sheath with Fiberglass insulated sensor
F3 ___	Fiberglass insulation - stranded conductor
F3A ___	Fiberglass insulation - stranded conductor - flexible armor
F3B ___	Fiberglass insulation - stranded conductor - stainless steel overbraid
F3J ___	Fiberglass insulation - individual leads - stranded conductor (12" limit)
T3 ___	Fluoropolymer insulation - stranded conductor
T3A ___	Fluoropolymer insulation - stranded conductor - flexible armor
K3 ___	Polyimide insulation - stranded conductor
K3A ___	Polyimide insulation - stranded conductor - flexible armor
K3B ___	Polyimide insulation - stranded conductor - stainless steel overbraid

[1] Insert 3 digit "B" length in inches. EX: F1036=36" "B" length; for assemblies requiring other than the standard 6" "C" dimension, insert 3 digit "C" length in inches after "B" dimension. EX: F1A036-012=36" "B" length with additional 12" leads beyond armor.

#### 5 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 disconnect lugs
<b>Options</b>	
MC	Mating connector
CC	Cable clamp
BX	Box connector