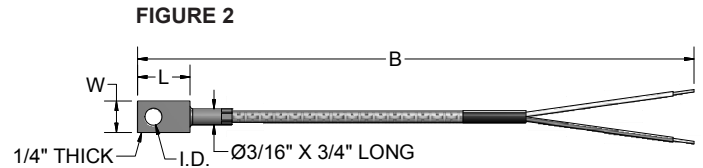
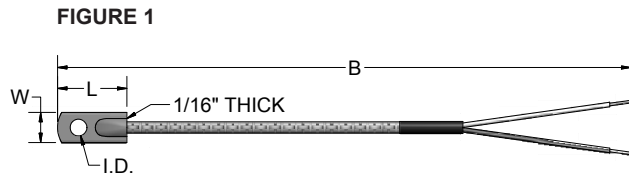


The ring type assemblies pictured below have the thermocouples embedded either into a stainless steel stamping for grounded junctions (figure 1) or a brass ring for ungrounded junctions (figure 2). Various ring sizes are available to measure the surface temperature of nozzles, extruder barrels, die heads, molds, and many other applicable surfaces.



ORDER CODES

Example Order Number:

JRS1

F3012

8

FIGURE 1
1 Grounded Thermocouples - Ring Size

CODE	RING SIZE			SCREW or BOLT SIZE
	I.D. (inches)	W (inches)	L (inches)	
JRS1	0.20	3/8	7/8	#6 - #10 4mm-5mm
JRS2	0.33	7/16	1	#12, 1/4" - 5/16" 5mm - 8mm
JRS3	0.44	9/16	1 1/8	5/16" - 3/8" 8mm - 10mm

FIGURE 2
1 Ungrounded Thermocouples - Ring Size

CODE	RING SIZE			SCREW SIZE
	I.D. (inches)	W (inches)	L (inches)	
JRB1U	0.20	3/8	5/8	#6 - #10 4mm-5mm
JRB2U	0.33	5/8	7/8	#12, 1/4" - 5/16" 5mm - 8mm
JRB3U	0.44	5/8	7/8	5/16" - 3/8" 8mm - 10mm

Other Element Types

For type E, K, or T thermocouples, replace J in order code with required letter designation.

2 Extension Leadwire "B"

CODE ^[1]	DESCRIPTION
F1_ _ _	Fiberglass insulation - solid conductor
F1B_ _ _	Fiberglass insulation - solid conductor - stainless steel overbraid
F3_ _ _	Fiberglass insulation - stranded conductor
F3B_ _ _	Fiberglass insulation - stranded conductor - stainless steel overbraid
T1_ _ _	Teflon [®] insulation - solid conductor
T3_ _ _	Teflon [®] insulation - stranded conductor
K1_ _ _	Kapton [®] insulation - solid conductor

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

3 Terminations and Options

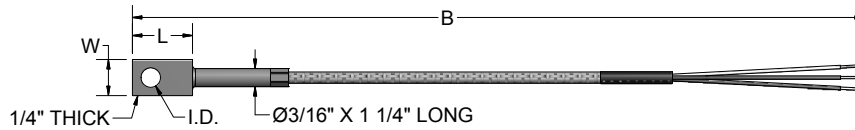
CODE	DESCRIPTION
0	Leads not stripped
2	2" split leads, 1/4" stripped
3	2" split leads with spade lugs
4	Standard plug
5	Standard jack
6	Miniature plug
7	Miniature jack
8	2" split leads with 1/4" female disconnect lugs

Options

MC	Mating connector
CC	Cable clamp
BX	Box connector

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The ring type assembly pictured below has the RTD element embedded into a brass ring. Various ring sizes are available to measure the surface temperature of nozzles, extruder barrels, die heads, molds, and many other applicable surfaces. This assembly is supplied standard using a 100 Ω platinum element with a temperature coefficient of 0.003 85 °C⁻¹ (IEC Class B). Elements of other materials, values, and tolerances are available upon request.



ORDER CODES

Example Order Number:

1
1-2
2
3
RBF1853RB - **2** - **F3B012** - **2**

1-1 RTD Element Type

CODE		ELEMENT CONNECTION
SINGLE	DUPLEX ^[1]	
RBF1853RB	RBF2853RB	3-wire
RBF1852RB	RBF2852RB	2-wire

[1] Duplex assemblies available with Kapton® or Teflon® wire only.

1-2 Ring Size

CODE	I.D. (inches)	W (inches)	L (inches)	SCREW SIZE
1	0.20	3/8	5/8	#6 - #10 4mm - 5mm
2	0.33	5/8	7/8	#12, 1/4" - 5/16" 5mm - 8mm
3	0.44	5/8	7/8	5/16" - 3/8" 8mm - 10mm

2 Extension Leadwire Type and "B" + "C" Dimension

CODE ^[1]	WIRE DESCRIPTION
F3_ _ _	Fiberglass insulation - stranded conductor
F3A_ _ _	Fiberglass insulation - stranded conductor - flexible armor
F3B_ _ _	Fiberglass insulation - stranded conductor - stainless steel overbraid
T3_ _ _	Teflon® insulation - stranded conductor
T3A_ _ _	Teflon® insulation - stranded conductor - flexible armor
K3_ _ _	Kapton® insulation - stranded conductor
K3A_ _ _	Kapton® insulation - stranded conductor - flexible armor
K3B_ _ _	Kapton® insulation - stranded conductor - stainless steel overbraid

[1] Insert 3 digit "B" length in inches. EX: F1A012=12" "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" "C" length.

3 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

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