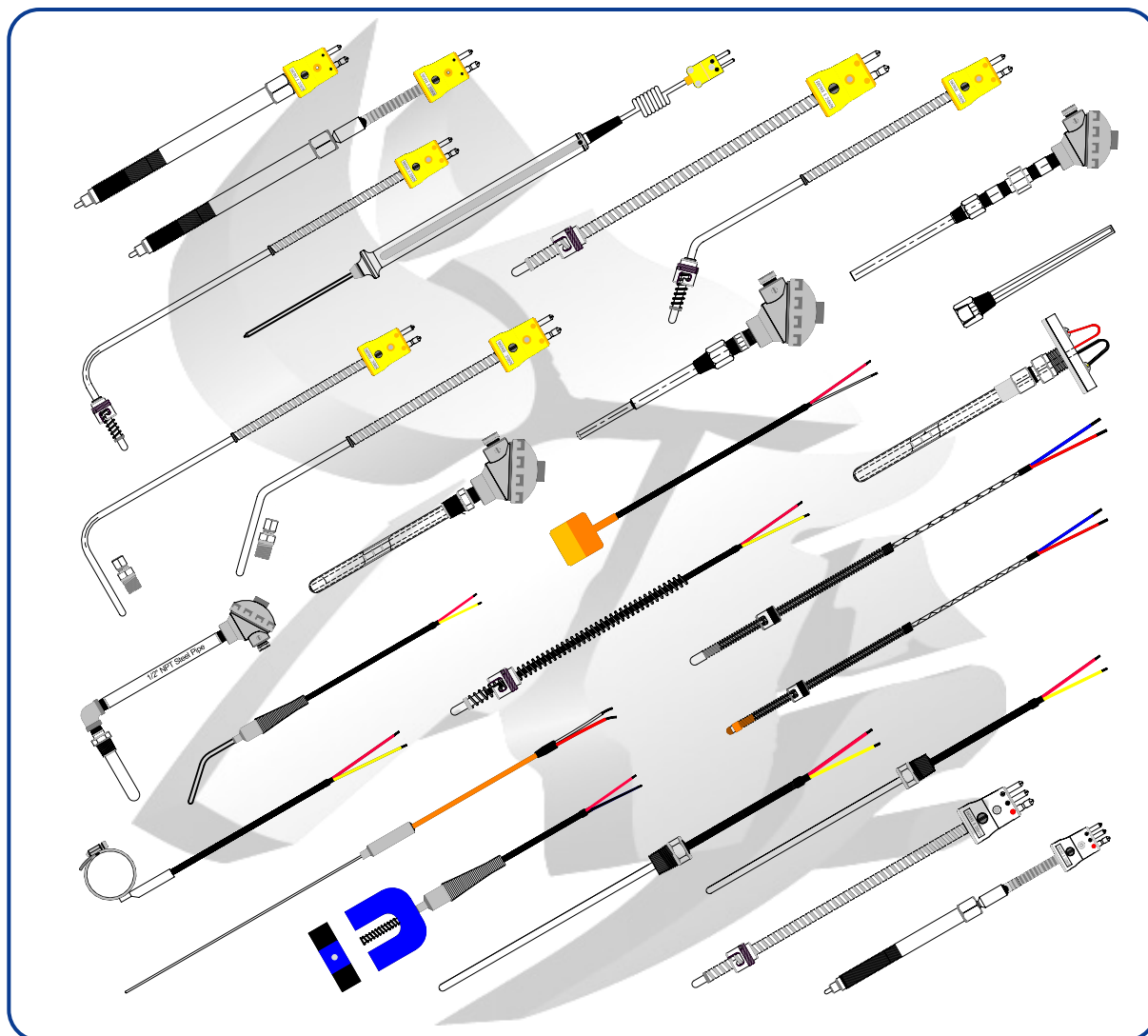




**Thermocouples for the Plastics Industry
& Packaging Industry Applications**



Nordic Sensors Industrial Inc.
6860 Louis-Sicard, Saint-Léonard, Québec, Canada H1P 1T7
Telephone: 1-888-667-3421 Fax: 1-888-867-9986
www.nordicsensors.com

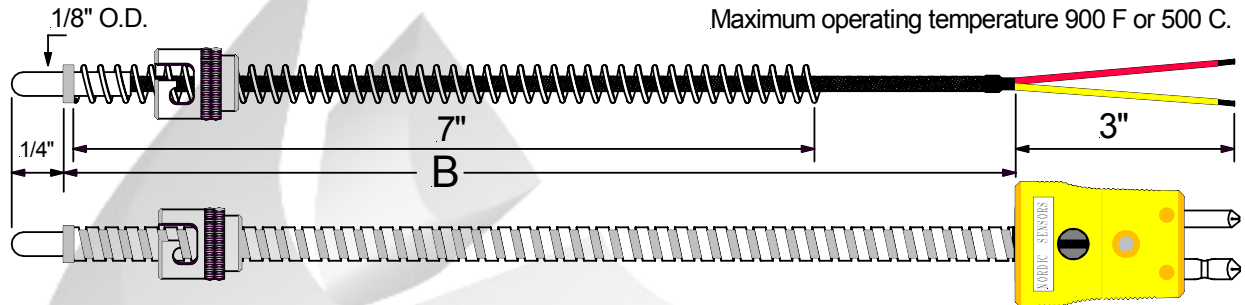
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PLASTIC & PACKAGING INDUSTRY THERMOCOUPLES

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Plastic Industry Thermocouples

Miniature Adjustable Bayonet Style Thermocouple



Bayonet cap runs along spring & armor cable length.

Steps To Follow:

Model No. A1 1. 2. - 3. - 4. 5. 6.

1.	Calibration
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

4.	Wire Description
S	24 Gage Stranded Stainless Steel Braid
X	0.210" O.D. Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

2.	Junction
G	Grounded
U	Ungrounded

5.	Termination Type
1	3" Split Leads & 1/2" Bare Ends.
2	3" Split Leads & No.10 Spade Lugs.
3	Standard Male Plug
4	Standard Female Jack
5	Mini Male Plug
6	Mini Female Jack

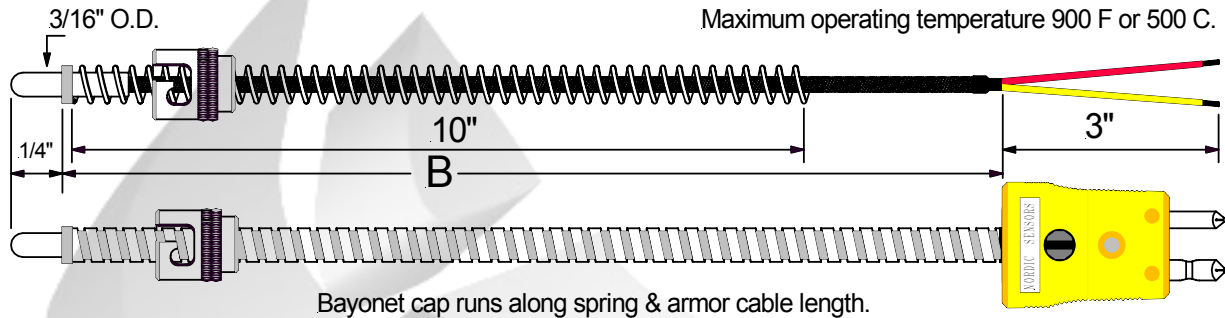
3.	"B" Dimension
	"B"= <u>0 4 8</u> "
	Leads Wire Length In Inches

6.	Accessories
A	None
B	Bx Connector
C	Cable Clamp

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Plastic Industry Thermocouples

Adjustable Bayonet Style Thermocouple



Steps To Follow:

Model No. A2 1. 2. - 3. - 4. 5. 6. 7.

1.	Calibration
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum
D	Dual J: (+) Iron Vs. (-) Constantan
Y	Dual K: (+) Ni.-Chromium Vs. (-) Ni.-Aluminum

2.	Junction
G	Grounded
U	Ungrounded

3.	"B" Dimension
	"B"= <u>0 4 8</u> " Leads Wire Length In Inches

4.	Wire Description
S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable
T	20 Gage Stranded Teflon Cable

5.	Termination Type
1	3" Split Leads & 1/2" Bare Ends.
2	3" Split Leads & No.10 Spade Lugs.
3	Standard Male Plug
4	Standard Female Jack
5	Mini Male Plug
6	Mini Female Jack

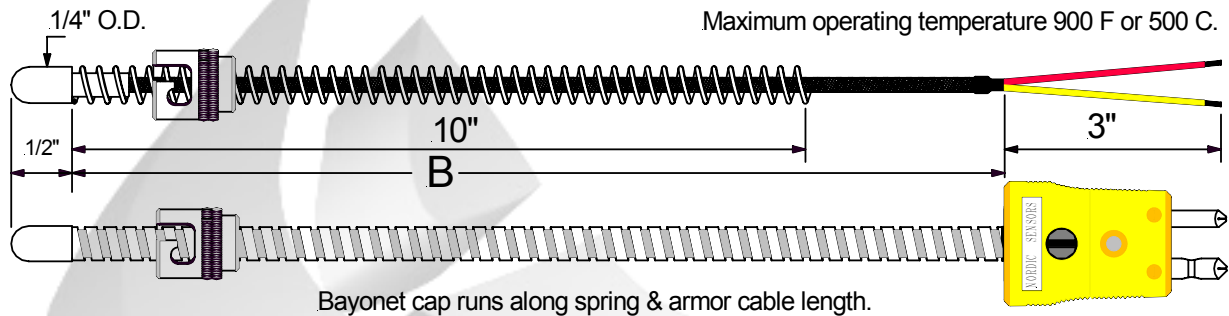
6.	Accessories
A	None
B	Bx Connector
C	Cable Clamp

7.	Probe Tip Description
1	Flat Tip
2	Radius Tip
3	Drill Point Tip

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Plastic Industry Thermocouples

1/4" Adjustable Bayonet Style Thermocouple



Steps To Follow:

Model No. **A3** - -

1.	Calibration
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum
D	Dual J: (+) Iron Vs. (-) Constantan
Y	Dual K: (+) Ni.-Chromium Vs. (-) Ni.-Aluminum

2.	Junction
G	Grounded
U	Ungrounded

3.	"B" Dimension
	"B"= <u>0</u> <u>4</u> <u>8</u> "
	Leads Wire Length In Inches

4.	Wire Description
S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable
T	20 Gage Stranded Teflon Cable

5.	Termination Type
1	3" Split Leads & 1/2" Bare Ends.
2	3" Split Leads & No.10 Spade Lugs.
3	Standard Male Plug
4	Standard Female Jack
5	Mini Male Plug
6	Mini Female Jack

6.	Accessories
A	None
B	Bx Connector
C	Cable Clamp

7.	Probe Tip Description
1	Flat Tip
2	Radius Tip
3	Drill Point Tip

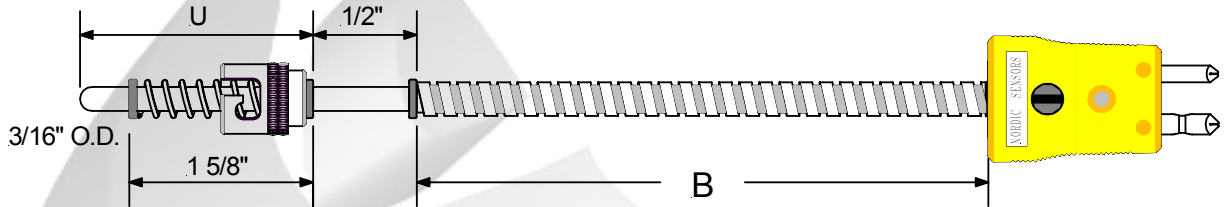
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Plastic Industry Thermocouples

Fixed Bayonet Style Thermocouple

Model Code: **B1**

Maximum operating temperature 900 F or 500 C.



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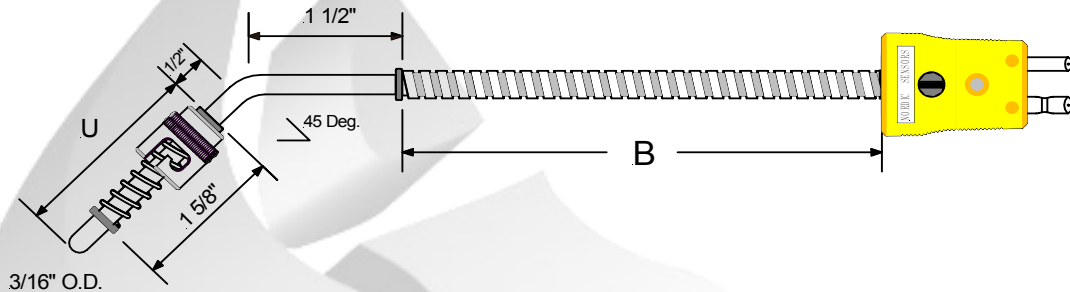
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Plastic Industry Thermocouples

Fixed Bayonet Style Thermocouple. 45° Bend.

Model Code: **B2**

Maximum operating temperature 900 F or 500 C.



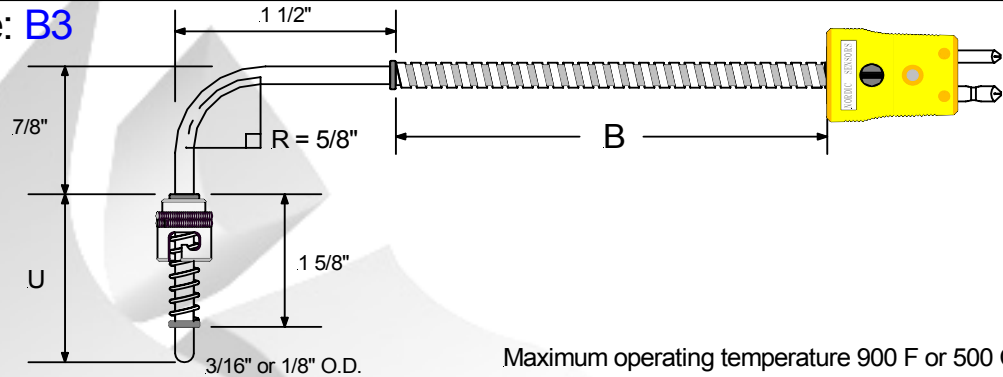
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Plastic Industry Thermocouples

Fixed Bayonet Style Thermocouple. 90° Bend.

Model Code: **B3**



Maximum operating temperature 900 F or 500 C.

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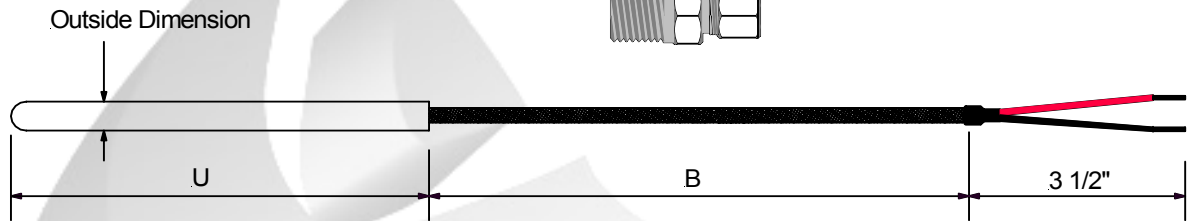
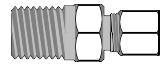
Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.

Plastic Industry Thermocouples

Tube & Wire General Purpose Thermocouple

Model Code: **C1**

Compression Fitting (Optional). Item purchased separately



Maximum operating temperature: 900F or 500C

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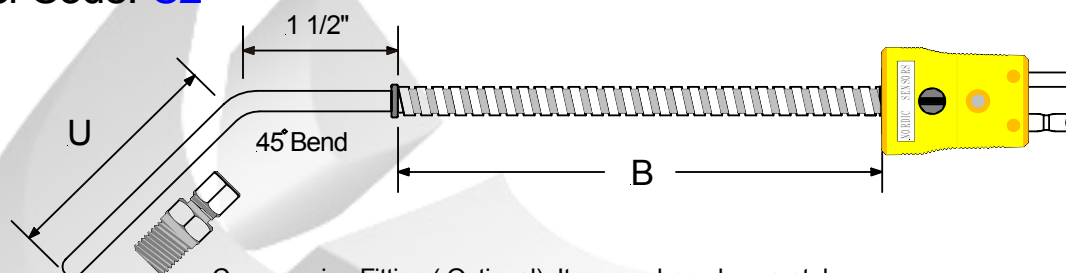
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Plastic Industry Thermocouple

General Purpose Thermocouple-45° Bend

Model Code: **C2**

Maximum operating temperature: 900F or 500C



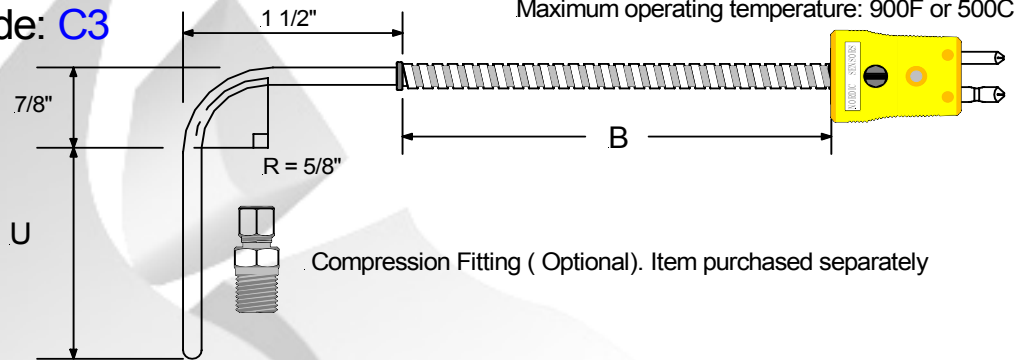
Compression Fitting (Optional). Item purchased separately

A	B	C	D	E	F	G	H	I	J	K
C2										
A Outside Diameter				E Calibration				I Outer Jacket Protection		
A 1/8"				J White Red				1 None		
B 3/16"				K Yellow Red				2 Stainless Steel Braid		
C 1/4"				T Blue Red				3 Armor Flexible Cable: 0.280" Outside Diameter		
D 5/16"								4 Armor Flexible Cable 0.210" Outside Diameter		
B "U" Dimension				F Junction Styles				Metal Braid Protection not available on P.V.C insulation cable.		
Specify "U" Length In Inches <u>0 6</u>				Element Description	Grounded	Ungrounded				
Example "U" is 6" = 06					Common	Common	Isolated			
				Single	G		U			
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C "U" Length Fractional				G Cable Conductor Description				J Termination		
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B 1/8"				2 24 Gage, 7 Stranded Conductors				B 3 1/2" Split leads & No.10 spade lugs.		
C 3/16"				3 20 Gage, Solid Conductor				C Standard Male Plug (350 F)		
D 1/4"				4 20 Gage, 7 Stranded Conductors				D Standard Female Jack (350 F)		
E 1/2"								E Mini Male Plug (350 F)		
F 5/8"								F Mini Female Jack (350 F)		
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Example "B" is 48" = 048				B Teflon Insulation: 500F / 260C						
				C P.V. C. Insulation: 221F / 105C						
				D Teflon, Shielded + Drain Wire						
				E P.V.C., Shilded + Drain Wire						
								K Termination Options		
								1 None		
								2 Bx Connector		
								3 Cable Clamp		

Plastic Industry Thermocouple

General Purpose Thermocouple-90° Bend

Model Code: **C3**



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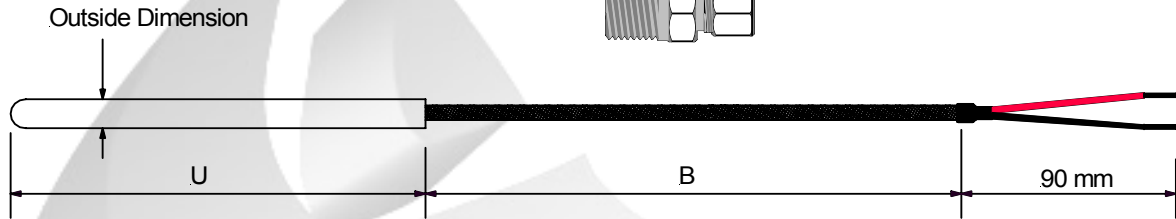
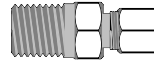
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Plastic Industry Thermocouples

Metric Size Tube & Wire General Purpose Thermocouple

Model Code: **C4**

Compression Fitting (Optional). Item purchased separately



Maximum operating temperature: 500C

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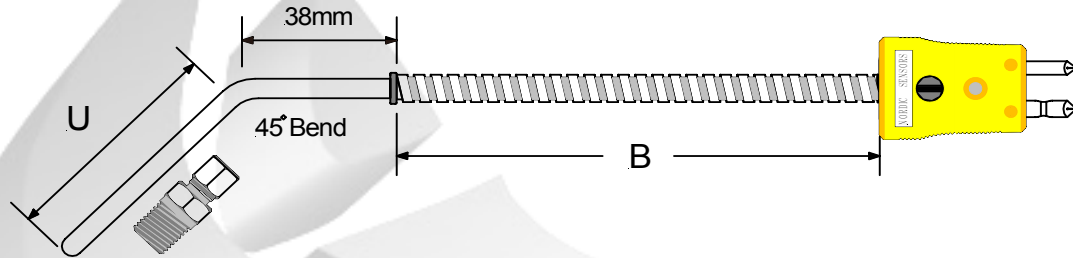
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Plastic Industry Thermocouple

Metric General Purpose Thermocouple-45° Bend

Model Code: **C5**

Maximum operating temperature: 500C



Compression Fitting (Optional). Item purchased separately

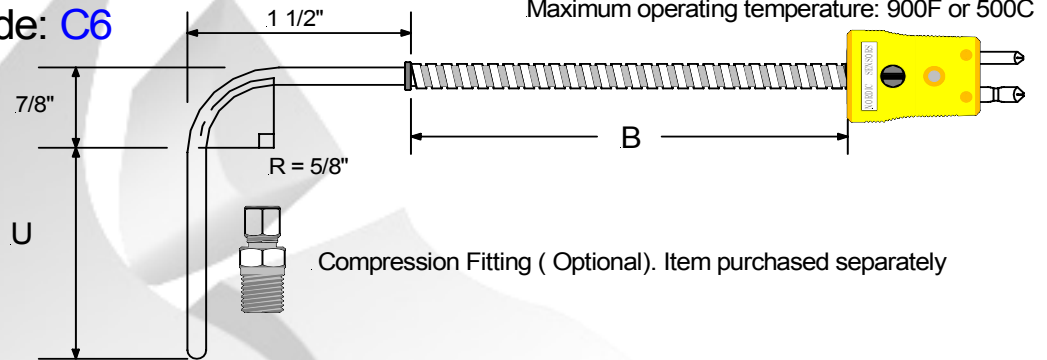
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Plastic Industry Thermocouple

Metric General Purpose Thermocouple-90° Bend

Model Code: **C6**



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A Outside Diameter A 2mm B 3mm C 4mm D 5mm E 6mm	B "U" Dimension Specify " U " Length In mm <u>1 5 0</u> Example "U" , is 150mm = 150	C Calibration <table border="1"> <thead> <tr> <th></th> <th>+</th> <th>-</th> </tr> </thead> <tbody> <tr> <td>J</td> <td>White</td> <td>Red</td> </tr> <tr> <td>K</td> <td>Yellow</td> <td>Red</td> </tr> <tr> <td>T</td> <td>Blue</td> <td>Red</td> </tr> </tbody> </table>		+	-	J	White	Red	K	Yellow	Red	T	Blue	Red	D Junction Styles <table border="1"> <thead> <tr> <th rowspan="2">Element Description</th> <th colspan="2">Grounded</th> <th colspan="2">Ungrounded</th> </tr> <tr> <th>Common</th> <th>Common</th> <th>Isolated</th> <th>Isolated</th> </tr> </thead> <tbody> <tr> <td>Single</td> <td>G</td> <td></td> <td></td> <td>U</td> </tr> <tr> <td>Duplex</td> <td>D</td> <td>C</td> <td></td> <td>I</td> </tr> </tbody> </table>	Element Description	Grounded		Ungrounded		Common	Common	Isolated	Isolated	Single	G			U	Duplex	D	C		I	E "B" Dimension Specify " B " Length In Meters <u>0 3</u> Example "B" is 3 M = 03	F Cable Conductor Description <table border="1"> <tbody> <tr> <td>1</td> <td>24 Gage, Solid Conductor</td> </tr> <tr> <td>2</td> <td>24 Gage, 7 Stranded Conductors</td> </tr> <tr> <td>3</td> <td>20 Gage, Solid Conductor</td> </tr> <tr> <td>4</td> <td>20 Gage, 7 Stranded Conductors</td> </tr> </tbody> </table>	1	24 Gage, Solid Conductor	2	24 Gage, 7 Stranded Conductors	3	20 Gage, Solid Conductor	4	20 Gage, 7 Stranded Conductors	G Cable Insulation Description <table border="1"> <tbody> <tr> <td>A</td> <td>Fiberglass Insulation: 950F / 510C</td> </tr> <tr> <td>B</td> <td>Teflon Insulation: 500F / 260C</td> </tr> <tr> <td>C</td> <td>P.V. C. Insulation: 221F / 105C</td> </tr> <tr> <td>D</td> <td>Teflon, Shielded + Drain Wire</td> </tr> <tr> <td>E</td> <td>P.V.C., Shieded + Drain Wire</td> </tr> </tbody> </table>	A	Fiberglass Insulation: 950F / 510C	B	Teflon Insulation: 500F / 260C	C	P.V. C. Insulation: 221F / 105C	D	Teflon, Shielded + Drain Wire	E	P.V.C., Shieded + Drain Wire	H Outer Jacket Protection <table border="1"> <tbody> <tr> <td>1</td> <td>None</td> </tr> <tr> <td>2</td> <td>Stainless Steel Braid</td> </tr> <tr> <td>3</td> <td>Armor Flexible Cable: 7.11mm Outside Diameter</td> </tr> <tr> <td>4</td> <td>Armor Flexible Cable 5.33mm Outside Diameter</td> </tr> </tbody> </table> Metal Braid Protection not available on P.V.C insulation cable.	1	None	2	Stainless Steel Braid	3	Armor Flexible Cable: 7.11mm Outside Diameter	4	Armor Flexible Cable 5.33mm Outside Diameter	I Termination <table border="1"> <tbody> <tr> <td>A</td> <td>90mm Split leads & bare ends</td> </tr> <tr> <td>B</td> <td>90mm Split leads & No.10 spade lugs.</td> </tr> <tr> <td>C</td> <td>Standard Male Plug (218 C)</td> </tr> <tr> <td>D</td> <td>Standard Female Jack (218 C)</td> </tr> <tr> <td>E</td> <td>Mini Male Plug (218 C)</td> </tr> <tr> <td>F</td> <td>Mini Female Jack (218 C)</td> </tr> </tbody> </table>	A	90mm Split leads & bare ends	B	90mm Split leads & No.10 spade lugs.	C	Standard Male Plug (218 C)	D	Standard Female Jack (218 C)	E	Mini Male Plug (218 C)	F	Mini Female Jack (218 C)	J Termination Options <table border="1"> <tbody> <tr> <td>1</td> <td>None</td> </tr> <tr> <td>2</td> <td>Bx Connector</td> </tr> <tr> <td>3</td> <td>Cable Clamp</td> </tr> </tbody> </table>	1	None	2	Bx Connector	3	Cable Clamp
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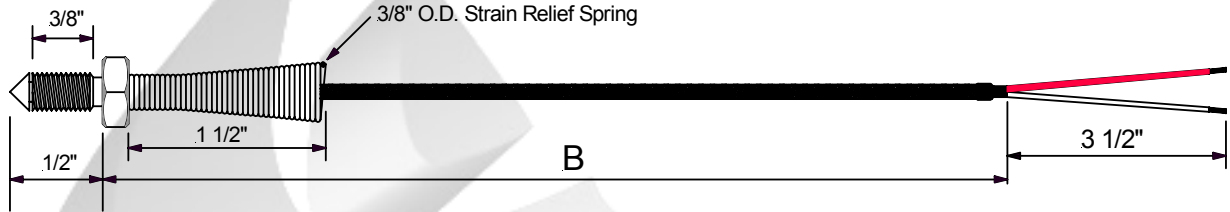
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Plastic Industry Thermocouples

Nozzle Bolt Style Thermocouple

Model Code: **D1**

Maximum operating temperature: 900F or 500C



Steps:

Model: **D1**

1.	2.	3.	4.	5.	6.	7.

1.	Nozzle Bolt Thread Size
1	1/4" x 28 UNF
2	M6 x 1mm
3	M8 x 1mm
4	M8 x 1.25mm

2.	Wire Description
S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable
T	20 Gage Stranded Teflon Cable

3.	Calibration
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

4.	Junction
G	Grounded
U	Ungrounded

5.	"B" Dimension
	"B" = <u>0 4 8</u> "
	Leads Wire Length In Inches

6.	Termination Type
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & No.10 Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

7.	Accessories
1	None
2	Bx Connector
3	Cable Clamp

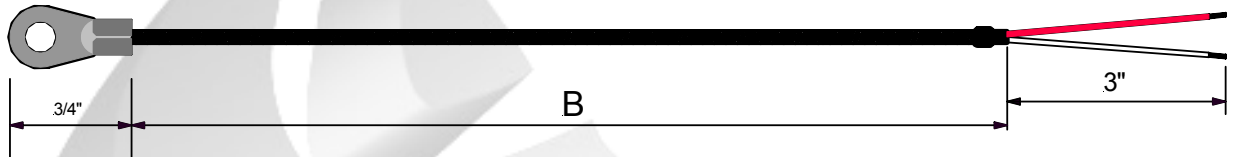
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Plastic Industry Thermocouples

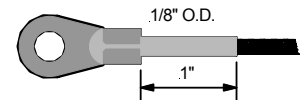
Ring Terminal Style Thermocouple

Model Code: **E1**

Maximum operating temperature: 900F or 500C



Unground Style Configuration



Steps:

Model: **E1**

1.	2.	3.	4.	5.	6.	7.

1.	Ring Terminal Hole Size
1	No. 8 Ring Terminal
2	No. 10 Ring Terminal
3	1/4" I.D. Hole Ring Terminal
4	1/2" I.D. Hole Ring Terminal

5.	"B" Dimension
"B" = 0 4 8 "	
Leads Wire Length In Inches	

2.	Wire Description
S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable
T	20 Gage Stranded Teflon Cable

6.	Termination Type
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & No.10 Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

3.	Calibration
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum
T	(+) Copper Vs. (-) Copper-Nickel

7.	Accessories
1	None
2	Bx Connector
3	Cable Clamp

4.	Junction
G	Grounded
U	Ungrounded

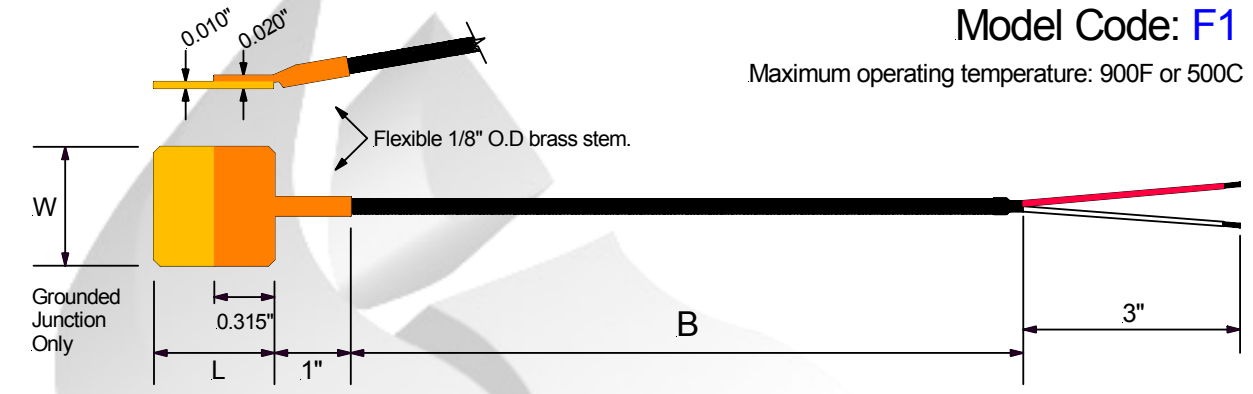
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Plastic Industry Thermocouples

Shim Stock Style Thermocouple. Brass Shim

Model Code: **F1**

Maximum operating temperature: 900F or 500C



Steps:

Model:

F1

1.	Shim Size: Width x Length
1	1/2" x 1/2"
2	3/4" x 3/4"
3	3/4" x 7/8"
4	1" x 1"

4.	"B" Dimension
	"B"= <u>0 4 8</u> "
	Leads Wire Length In Inches

2.	Wire Description
S	20 Gage, Stranded, Stainless Steel Braid
F	20 Gage, Stranded, Fiberglass Cable

5.	Termination Type
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & No. 10 Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

3.	Calibration
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

6.	Accessories
1	None
2	Cable Clamp

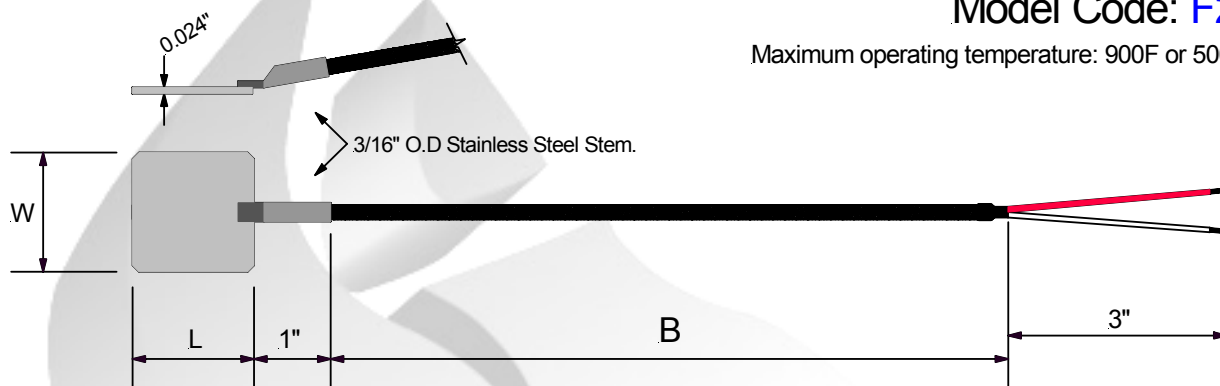
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Plastic Industry Thermocouples

Shim Stock Style Thermocouple. Stainless Steel Shim

Model Code: **F2**

Maximum operating temperature: 900F or 500C



Steps:

Model: **F2** ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐

1. Shim Size: Width x Length

1	1/2" x 1/2"
2	3/4" x 3/4"
3	3/4" x 7/8"
4	1" x 1"

2. Wire Description

S	20 Gage, Stranded, Stainless Steel Braid
F	20 Gage, Stranded, Fiberglass Cable
X	Flexible Armor Cable

3. Calibration

J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

4. "B" Dimension

"B"= 0 4 8 "
Leads Wire Length In Inches

5. Junction

G	Grounded
U	Ungrounded

6. Termination Type

0	3" Split Leads & 1/2" Bare Ends.
1	3" Slip Leads & No.10 Spade Lugs
2	Standard Male Plug
3	Standard Female Jack
4	Mini Male Plug
5	Mini Female Jack

7. Accessories

A	None
B	Bx Connector
C	Cable Clamp

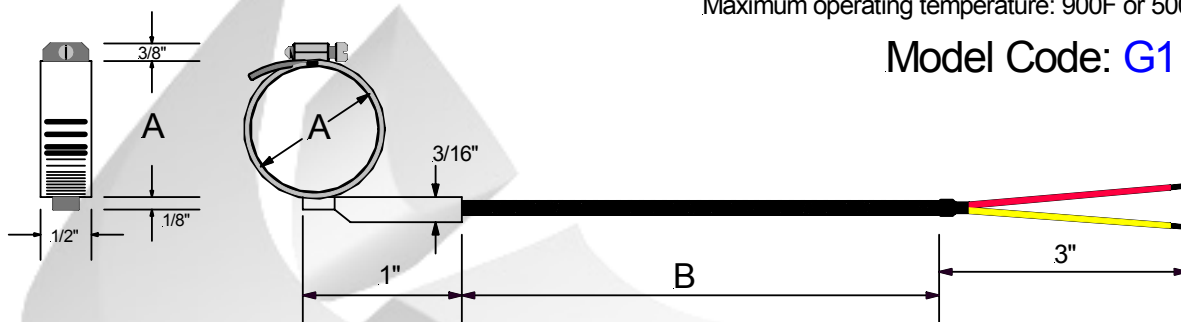
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Plastic Industry Thermocouples

Pipe Clamp Style Thermocouple

Maximum operating temperature: 900F or 500C

Model Code: **G1**



Steps To Follow:

Model No. **G1** - -

1. Pipe Clamp Description		
A= Diameter Range		
	Minimum	Maximum
1	1 1/16"	2"
2	1 13/16"	2 3/4"
3	2 9/16"	3 1/2"
4	3"	5"
5	5"	7"

4. "B" Dimension	
"B"=	<u>0 4 8</u> "
Leads Wire Length In Inches	

2. Wire Description	
S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable

5. Termination Type	
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

3. Calibration	
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

6. Accessories	
1	None
2	Bx Connector
3	Cable Clamp

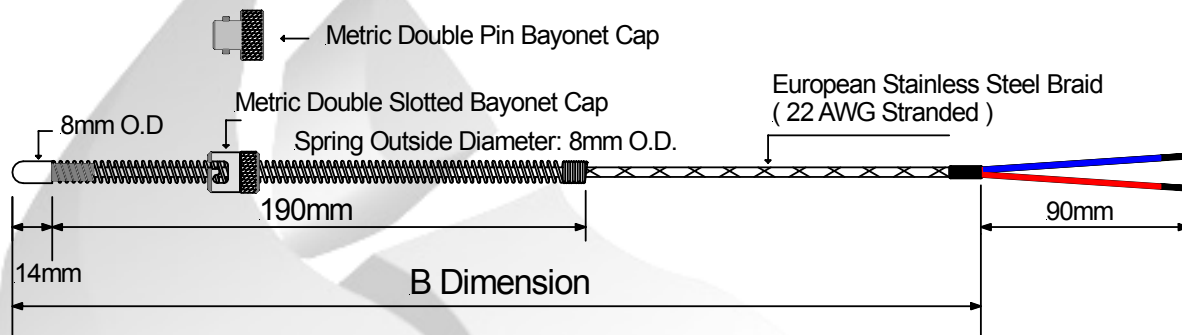
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Plastic Industry Thermocouples

European Adjustable Bayonet

Model Code: **H1**

Maximum operating temperature: 900F or 500C



Steps To Follow:

Model: **H1** - -

1.	Probe Tip Description
R	Radius Tip Style
F	Flat Tip Style

4.	"B" Dimension
"B"= <u>0 4 8</u> "	OR "B"= <u>3 M</u>
Length In Inches	Length In Meters

2.	Bayonet Cap Option
1	M12 Bayonet Cap
2	M14 Bayonet Cap
3	M16 Bayonet Cap
4	Double Pin Bayonet Cap

5.	Calibration
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

3.	Termination Type
A	3 1/2" Split Leads & 1/2" Bare Ends.
B	3 1/2" Split Leads & Pin Connectors
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

6.	Junction Styles	
	Grounded	Ungrounded
Single	G	U
Dual	D	Y

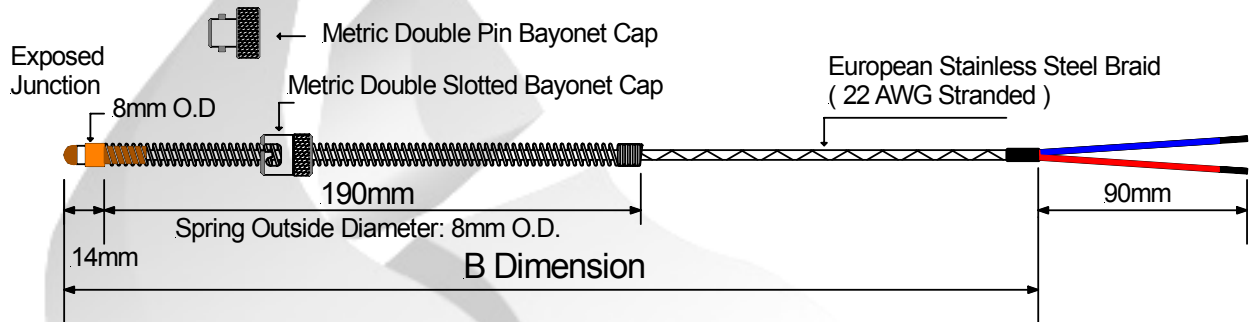
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Plastic Industry Thermocouples

European Adjustable Bayonet , Exposed Brass Tip Style

Model Code: **H2**

Maximum operating temperature: 900F or 500C



Steps To Follow:

Model: **H2** 1. 2. — 3. — 4.

1.	Bayonet Cap Option
1	M12 Bayonet Cap
2	M14 Bayonet Cap
3	M16 Bayonet Cap
4	Double Pin Bayonet Cap

3.	"B" Dimension
"B"= <u>0 4 8</u> "	OR "B"= <u>3 M</u>
Length In Inches	Length In Meters

2.	Termination Type
A	3 1/2" Split Leads & 1/2" Bare Ends.
B	3 1/2" Split Leads & Pin Connectors
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

4.	Calibration
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

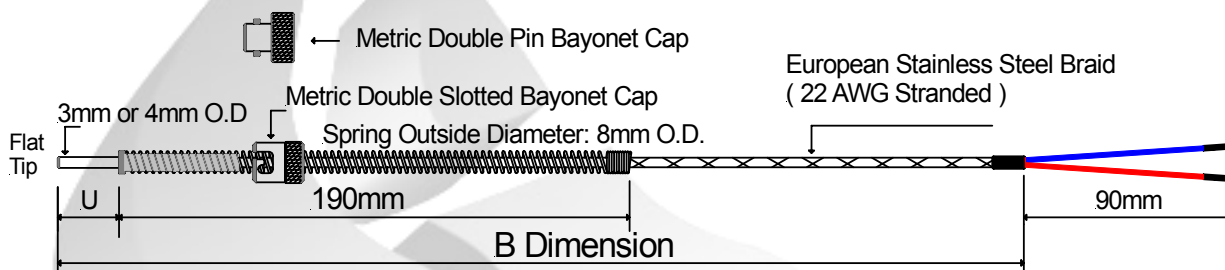
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Plastic Industry Thermocouples

European Fixed Adjustable Bayonet

Model Code: **H3**

Maximum operating temperature: 900F or 500C



Steps To Follow:

Model: **H3** 1. 2. 3. 4. 5. 6. 7.

1.	Probe Tip Diameter
A	3mm Outside Diameter
B	4mm Outside Diameter

2.	"U" Dimension
	"U" = <u>2 5</u> mm Length In MM

3.	Bayonet Cap Option
A	M12 Bayonet Cap
B	M14 Bayonet Cap
C	M16 Bayonet Cap
D	Double Pin Bayonet Cap

4.	"B" Dimension
	"B" = <u>0 4 8</u> OR "B" = <u>3 M</u> Length In Inches Length In Meters

5.	Termination Type
A	3 1/2" Split Leads & 1/2" Bare Ends.
B	3 1/2" Split Leads & Pin Connectors
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

6.	Calibration
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

7.	Junction Styles		
	Grounded	Ungrounded	
	Single	G	U
	Dual	D	Y

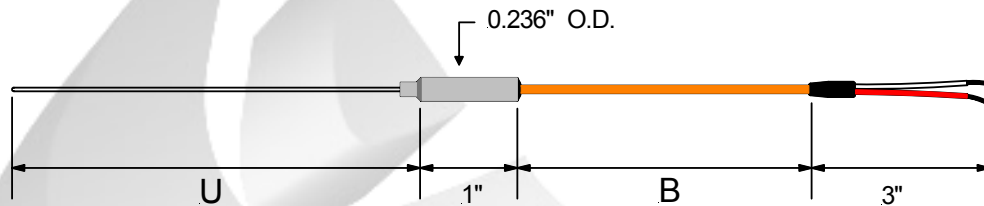
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Mineral Insulated Thermocouple

Hot Runner Style Thermocouple

Model Code: **J1**

Maximum operating temperature: 900F or 500C



Compression fittings are sold separately. See accessory section.

Model: **J1**

A	B	C	D	E	F	G	H	I
A Outside Diameter 1 0.020" = 0.5mm 2 0.032" 3 0.040" = 1mm 4 0.059" = 1.5mm 5 0.063"	B Sheath Material A 304 Stainless B 316 Stainless C Inconel 600	C "U" Dimension Specify "U" Length In Inches <u>0 0 6</u> Example "U" is 6" = 006	D "U" Fractional Dimension A 0.125" B 0.188" C 0.250" D 0.315" E 0.375" F 0.500" G 0.625" H 0.750" I 0.875" N None	E Calibration Standard Limits of Error 1 J 2 K 3 T 4 E 5 N Special Limits of Error 6 J 7 K 8 T 9 E 10 N	F Junction Styles Element Description Single G U Duplex D F H	G "B" Dimension Specify "B" Length In Inches <u>0 4 8</u> Example "B" is 48" = 048	H Cable Insulation Description A 24 Gage, Stranded, Kapton B 24 Gage, Solid, Kapton C 24 Gage, Stranded, Teflon D 24 Gage, Solid, Teflon E 24 Gage, Stranded, Fiberglass F 24 Gage, Solid, Fiberglass	I Termination 1 3" Split Leads & 1/2" bare ends. 2 3" Split Leads & Spade Lugs. 3 Standard Male Plug (425 F) 4 Standard Female Jack (425 F) 5 Mini Male Plug (425 F) 6 Mini Female Jack (425 F) 7 Hi Temp. Male Plug (800 F) 8 Hi Temp. Female Jack (800 F)

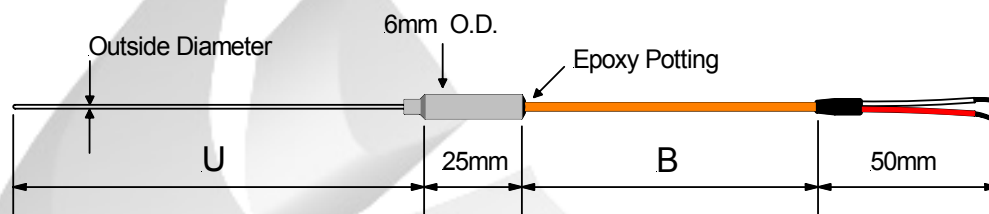
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Mineral Insulated Thermocouple

Metric Hot Runner Style Thermocouple

Model Code: J2

Maximum operating temperature: 500F or 260C



Compression fittings are sold separately. See accessory section.

Model:

J2

A

B

C

D

E

F

G

H

A	Outside Diameter
1	0.5mm
2	1mm
3	1.5mm

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	Inconel 600

C	"U" Dimension
	Specify "U" Length In mm <u>1 5 0</u>

Example "U" is 150mm = 150

D	Calibration
Standard Limits of Error	Special Limits of Error
1 J	6 J
2 K	7 K
3 T	8 T
4 E	9 E
5 N	10 N

E		Junction Styles		
Element Description	Grounded	Ungrounded		
	Common	Common	Isolated	
Single	G			U
Duplex	D	F		H

F	"B" Dimension
	Specify "B" Length In Meters <u>0 2</u>

Example "B" is 2M = 02

G	Cable Insulation Description
A	24 Gage, Stranded, Kapton
B	24 Gage, Solid, Kapton
C	24 Gage, Stranded, Teflon
D	24 Gage, Solid, Teflon
E	24 Gage, Stranded, Fiberglass
F	24 Gage, Solid, Fiberglass

H	Termination
1	50mm Split Leads, 15mm bare ends.
2	50mm Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

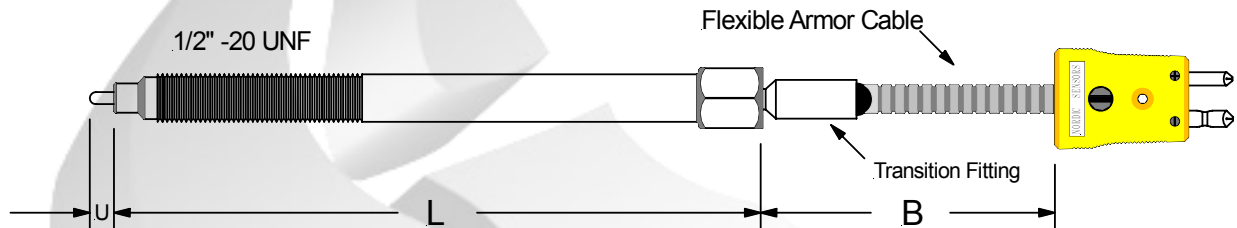
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Plastic Industry Thermocouples

Melt Bolt Thermocouple. Mineral Insulated

Model Code: **K1**

Operating Temperature: -200 C to +500 C



Steps: A B C D E F G H

Model **K1**

A	Melt Bolt Length "L"
3	3"
4	4"
6	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.125"
B	0.188"
C	0.250"

C	Insertion Depth "U"
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	Calibration	
	Standard Limits of Error	Special Limits of Error
1	J	6 J
2	K	7 K
3	T	8 T
4	E	9 E
5	N	10 N

E	Junction Styles		
Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	H

F	"B" Dimension
	Specify "B" Length In Inches <u>0 4 8</u>

Example "B" is 048 =48"

G	Termination
A	3" Split leads, 1/2" bare ends.
B	3" Split leads & No. 10 spade lugs.
C	Standard Male Plug (350 F)
D	Standard Female Jack (350 F)
E	Mini Male Plug (350 F)
F	Mini Female Jack (350 F)

H	Termination Options
1	None
2	Bx Connector
3	Cable Clamp

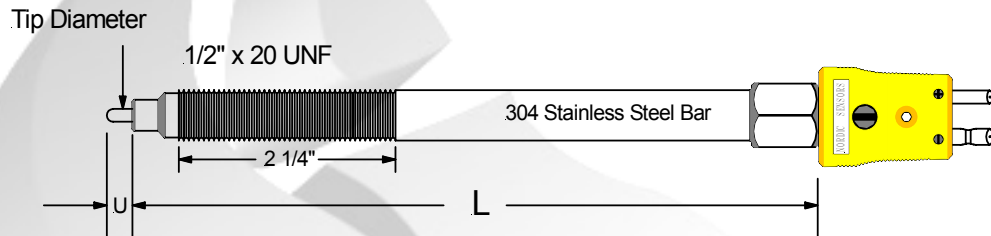
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Plastic Industry Thermocouples

Rigid Melt Bolt Thermocouple. Mineral Insulated

Model Code: **K2**

Operating Temperature: -200 C to +500 C



Steps:

Model **K2** — —

A	Melt Bolt Length " L "
3	3"
4	4"
6	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.125"
B	0.188"
C	0.250"

C	Insertion Depth " U "
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	Calibration
Standard Limits of Error	Special Limits of Error
1	J
2	K
3	T
4	E
5	N

E	Junction Styles			
Element Description	Grounded		Ungrounded	
	Common	Common	Common	Isolated
Single	G			U
Duplex	D	F		H

F	Termination
1	Standard Male Plug (350 F)
2	Standard Female Jack (350 F)
3	Mini Male Plug (350 F)
4	Mini Female Jack (350 F)

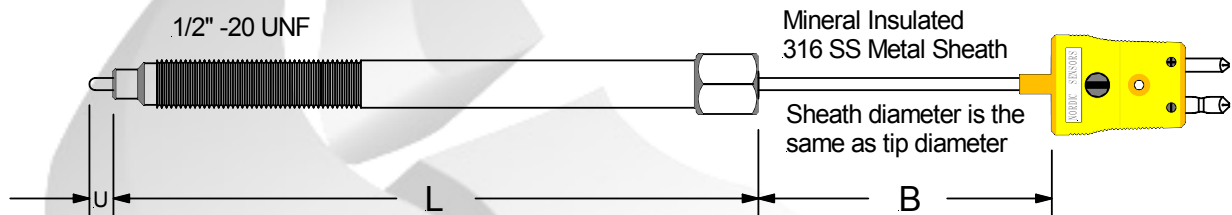
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Plastic Industry Thermocouples

Fixed Melt Bolt Thermocouple. Mineral Insulated

Model Code: **K3**

Operating Temperature: -200 C to +500 C



Steps:

Model **K3**

A	Melt Bolt Length "L"
3	3"
4	4"
6	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.125"
B	0.188"
C	0.250"

C	Insertion Depth "U"
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	Calibration
Standard Limits of Error	
1	J
2	K
3	T
4	E
5	N
Special Limits of Error	
6	J
7	K
8	T
9	E
10	N

E		Junction Styles		
Element Description	Grounded	Ungrounded		
	Common	Common	Isolated	
Single	G		U	
Duplex	D	F	M	

F	"B" Dimension
Specify "B" Length In Inches <u>0 4</u>	
Example "B" is 04 = 4"	

G	Termination
A	Standard Male Plug.
B	Standard Female Jack.
C	Mini Male Plug.
D	Mini Female Jack.

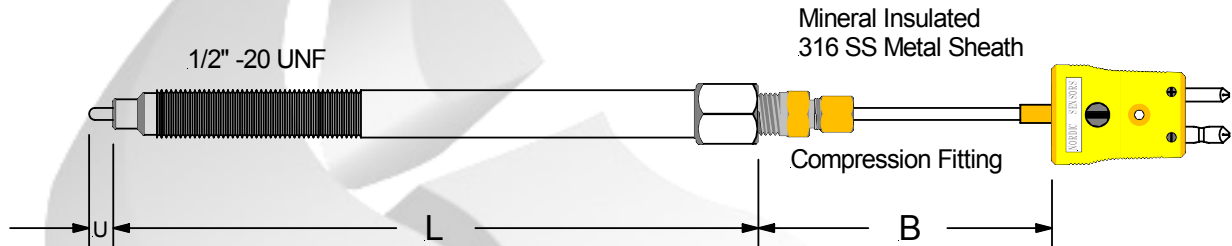
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Plastic Industry Thermocouples

Adjustable Melt Bolt Thermocouple. Mineral Insulated

Model Code: **K4**

Operating Temperature: -200 C to +500 C



Steps:

Model **K4**

A	Melt Bolt Length "L"
3	3"
4	4"
6	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.125"
B	0.188"
C	0.250"

C	Insertion Depth "U"
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	Calibration
Standard Limits of Error	Special Limits of Error
1	J
2	K
3	T
4	E
5	N

E	Junction Styles			
Element Description	Grounded	Ungrounded		
	Common	Common	Isolated	
Single	G		U	
Duplex	D	F	H	

F	"B" Dimension
	Specify "B" Length In Inches <u>0 4</u>
	Example "B" is 04" = 4"

G	Termination
A	Standard Male Plug.
B	Standard Female Jack.
C	Mini Male Plug.
D	Mini Female Jack.

Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.