





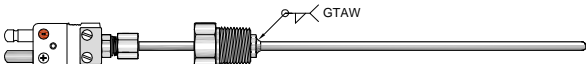






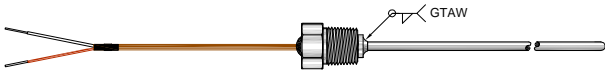


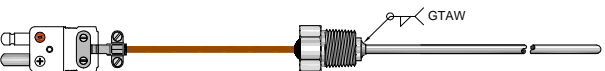


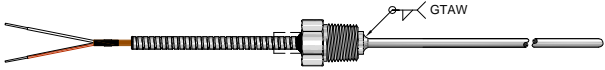


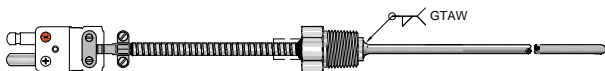

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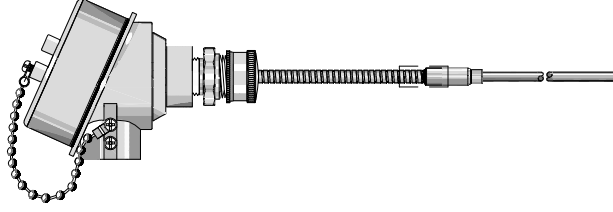
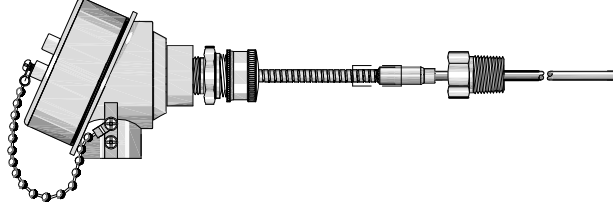




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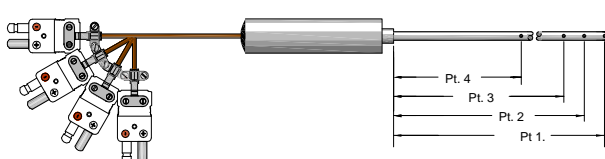
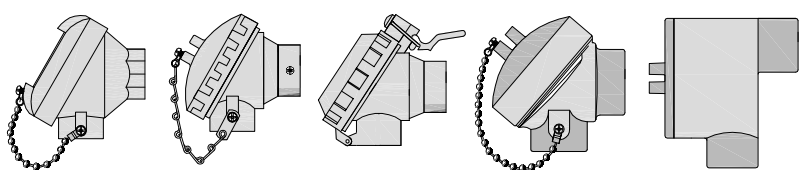
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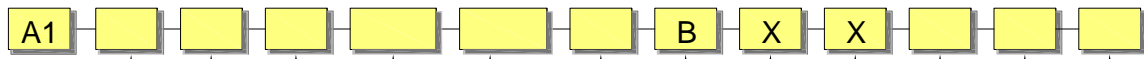
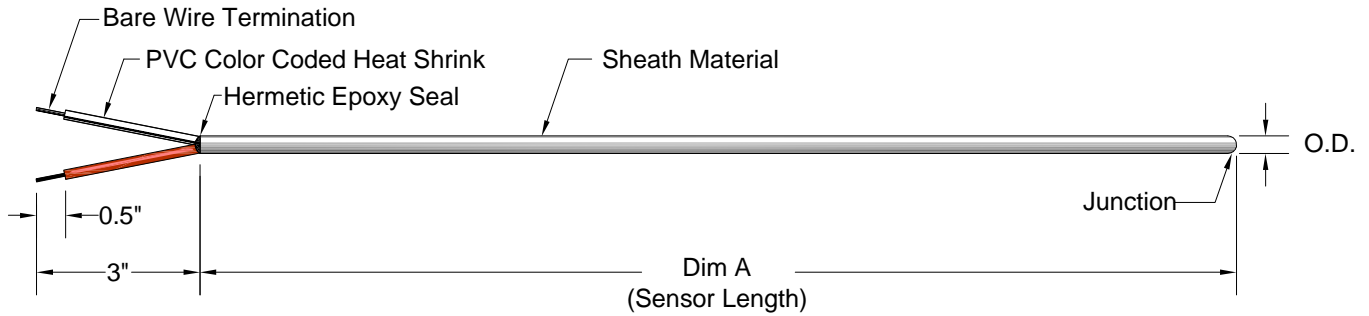
# Custom Metal Sheath Thermocouples

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# MODEL A1

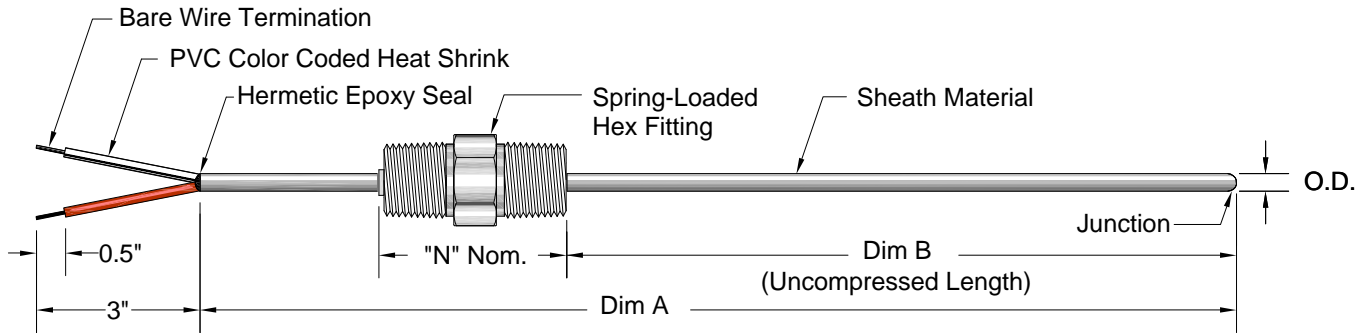
# Thermocouple w/ Bare Wire Termination



- 1. INSULATION**  
EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
MGO = Magnesium Oxide Special Limits of Error
- 2. CALIBRATION**  
K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E
- 3. JUNCTION**  
U = Ungrounded  
G = Grounded  
E = Exposed
- 4. SHEATH MATERIAL**  
600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
446S = 446 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
TITN = Titanium  
\* Contact factory for other materials
- 5. SHEATH DIAMETER**  
062D = 0.062  
125D = 0.125  
188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for other diameters
- 6. SENSOR LENGTH**  
(Dim A)  
(In Inches xxx.xx)
- 7. TERMINATION**  
B = Bare Wire 3" Stripped Leads w/ PVC Color Coded Heat Shrink
- 8. LEAD WIRE LENGTH**  
X = Not Applicable with Bare End Termination
- 9. LEAD WIRE INSULATION**  
X = Not Applicable with Bare End Termination
- 10. COMPRESSION FITTINGS**  
X = NONE  
C1 = 1/16" NPT SS  
C2 = 1/8" NPT SS  
C4 = 1/4" NPT SS  
C6 = 3/8" NPT SS  
C8 = 1/2" NPT SS  
C12 = 3/4" NPT SS
- 11. SELF GRIPPING SPRING**  
X = NONE  
SG = SELF GRIPPING SPRING
- 12. OPTIONS**  
X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS

# MODEL A2

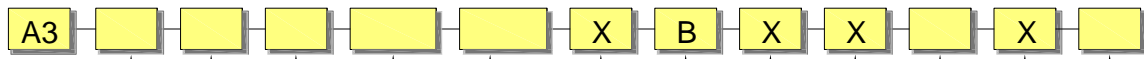
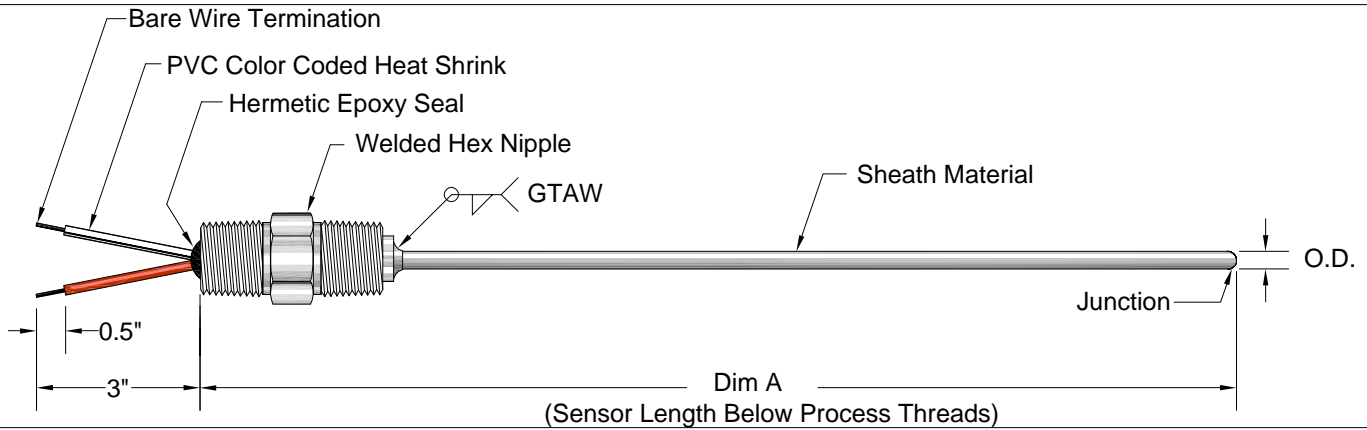
# Bare Wire Thermocouple w/ Spring Loaded Fitting



<p><b>1. INSULATION</b>                  EXL = AccuTru Premium                  High Purity, Extended Life                  Special Limits of Error                  MGO = Magnesium Oxide                  Special Limits of Error</p> <p><b>2. CALIBRATION</b>                  K = Type K                  J = Type J                  N = Type N                  T = Type T                  E = Type E                  DK = Dual Type K                  DJ = Dual Type J                  DN = Dual Type N                  DT = Dual Type T                  DE = Dual Type E</p> <p><b>3. JUNCTION</b>                  U = Ungrounded                  G = Grounded                  E = Exposed</p> <p><b>4. SHEATH MATERIAL</b>                  600A = Alloy 600                  316S = 316 SS                  310S = 310 SS                  304S = 304 SS                  446S = 446 SS                  276C = Hastelloy C276                  HASX = Hastelloy X                  TITN = Titanium                  * Contact factory for                  other materials</p> <p><b>5. SHEATH DIAMETER</b>                  125D = 0.125                  188D = 0.188                  250D = 0.250                  375D = 0.375                  * Contact factory for                  other diameters</p> <p><b>6. SENSOR LENGTH</b>                  (Dim A)                  (In Inches xxx.xx)</p>	<p><b>7. TERMINATION</b>                  B = Bare Wire 3" Stripped Leads w/ PVC Color Coded Heat Shrink</p> <p><b>8. LEAD WIRE LENGTH</b>                  X = Not Applicable with Bare End Termination</p> <p><b>9. LEAD WIRE INSULATION</b>                  X = Not Applicable with Bare End Termination</p> <p><b>10A. SPRING-LOADED HEX NIPPLE OPTION, "N" = 2" NOMINAL</b>                  S4 = 1/4" NPT SS                  S6 = 3/8" NPT SS                  S8 = 1/2" NPT SS                  S12 = 3/4" NPT SS</p> <p><b>10B. SPRING-LOADED HEX PLUG OPTION, "N" = 1" NOMINAL</b>                  SP4 = 1/4" NPT SS                  SP6 = 3/8" NPT SS                  SP8 = 1/2" NPT SS                  SP12 = 3/4" NPT SS</p>	<p><b>11. DIM "B"</b>                  (in inches xxx.xx)</p> <p><b>12. OPTIONS</b>                  X = NONE                  SEE PAGE 1-A FOR                  OTHER OPTIONS</p>
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# MODEL A3

# Bare Wire Thermocouple w/ Welded Hex Nipple



**1. INSULATION**

- EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error
- MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

- K = Type K
- J = Type J
- N = Type N
- T = Type T
- E = Type E
- DK = Dual Type K
- DJ = Dual Type J
- DN = Dual Type N
- DT = Dual Type T
- DE = Dual Type E

**3. JUNCTION**

- U = Ungrounded
- G = Grounded
- E = Exposed

**4. SHEATH MATERIAL**

- 600A = Alloy 600
- 316S = 316 SS
- 310S = 310 SS
- 304S = 304 SS
- 446S = 446 SS
- 276C = Hastelloy C276
- HASX = Hastelloy X
- TITN = Titanium
- \* Contact factory for other materials

**5. SHEATH DIAMETER**

- 062D = 0.062
- 125D = 0.125
- 188D = 0.188
- 250D = 0.250
- 375D = 0.375
- \* Contact factory for other diameters

**6. SENSOR LENGTH**

Dim A  
(inches xxx.xx)

**7. TERMINATION**

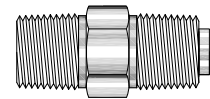
B = Bare Wire 3" Stripped Leads w/ PVC Color Coded Heat Shrink

**8. LEAD WIRE LENGTH**

X = Not Applicable with Bare End Termination

**9. LEAD WIRE INSULATION**

X = Not Applicable with Bare End Termination



**10. WELDED HEX NIPPLE OPTIONS**

- X = NONE
- H4 = 1/4" NPT SS
- H6 = 3/8" NPT SS
- H8 = 1/2" NPT SS
- H12 = 3/4" NPT SS

**11. NOT REQUIRED**

X = NOT USED

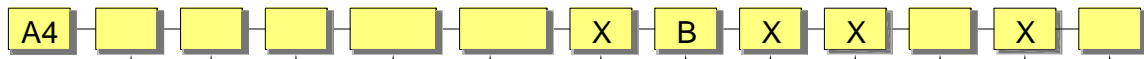
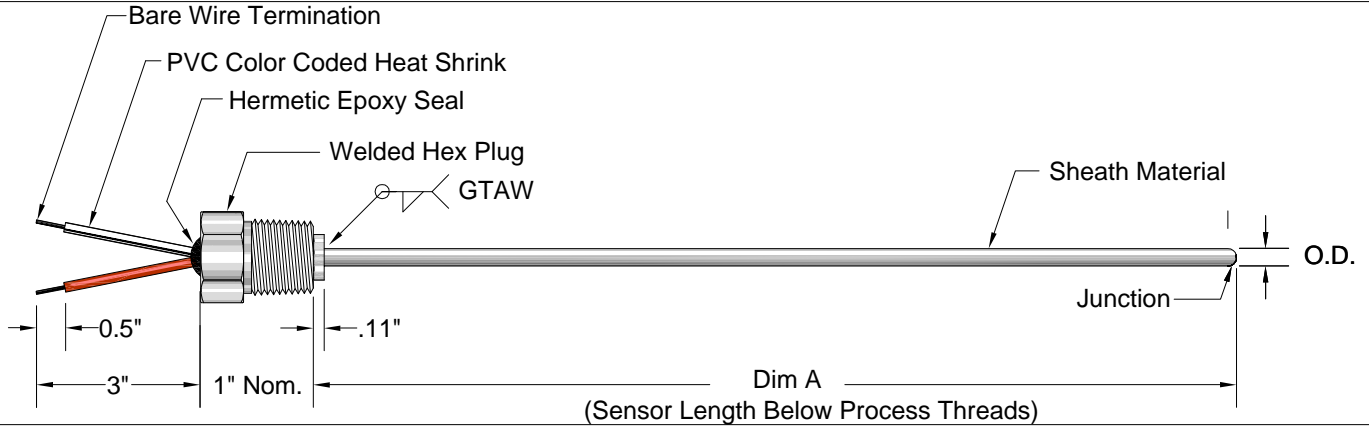
**12. OPTIONS**

X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS



# MODEL A4

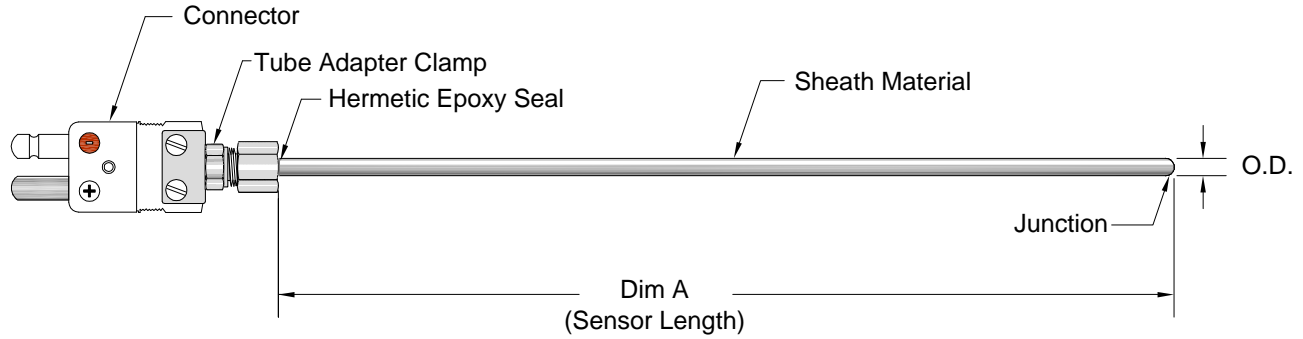
# Bare Wire Thermocouple with Welded Hex Plug



- 1. INSULATION**  
 EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
 MGO = Magnesium Oxide Special Limits of Error
- 2. CALIBRATION**  
 K = Type K  
 J = Type J  
 N = Type N  
 T = Type T  
 E = Type E  
 DK = Dual Type K  
 DJ = Dual Type J  
 DN = Dual Type N  
 DT = Dual Type T  
 DE = Dual Type E
- 3. JUNCTION**  
 U = Ungrounded  
 G = Grounded  
 E = Exposed
- 4. SHEATH MATERIAL**  
 600A = Alloy 600  
 316S = 316 SS  
 310S = 310 SS  
 304S = 304 SS  
 446S = 446 SS  
 276C = Hastelloy C276  
 HASX = Hastelloy X  
 TITN = Titanium  
 \* Contact factory for other materials
- 5. SHEATH DIAMETER**  
 062D = 0.062  
 125D = 0.125  
 188D = 0.188  
 250D = 0.250  
 375D = 0.375  
 \* Contact factory for other diameters
- 6. SENSOR LENGTH (Dim A)**  
 (In Inches xxx.xx)
- 7. TERMINATION**  
 B = Bare Wire 3" Stripped Leads w/ PVC Color Coded Heat Shrink
- 8. LEAD WIRE LENGTH**  
 X = Not Applicable with Bare End Termination
- 9. LEAD WIRE INSULATION**  
 X = Not Applicable with Bare End Termination
- 10A. WELDED HEX PLUG FACING PROCESS OPTION**  
 HP4 = 1/4" NPT SS  
 HP6 = 3/8" NPT SS  
 HP8 = 1/2" NPT SS  
 HP12 = 3/4" NPT SS
- 10B. WELDED HEX PLUG FACING "COLD" END OPTION**  
 CHP4 = 1/4" NPT SS  
 CHP6 = 3/8" NPT SS  
 CHP8 = 1/2" NPT SS  
 CHP12 = 3/4" NPT SS
- 11. NOT REQUIRED**  
 X = NONE
- 12. OPTIONS**  
 X = NONE  
 SEE PAGE 1-A FOR OTHER OPTIONS

# MODEL A5

# Thermocouple w/ Plug/Jack Termination



**1. INSULATION**

- EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error
- MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

- K = Type K
- J = Type J
- N = Type N
- T = Type T
- E = Type E
- DK = Dual Type K
- DJ = Dual Type J
- DN = Dual Type N
- DT = Dual Type T
- DE = Dual Type E

**3. JUNCTION**

- U = Ungrounded
- G = Grounded
- E = Exposed

**4. SHEATH MATERIAL**

- 600A = Alloy 600
- 316S = 316 SS
- 310S = 310 SS
- 304S = 304 SS
- 446S = 446 SS
- 276C = Hastelloy C276
- HASX = Hastelloy X
- TITN = Titanium
- \* Contact factory for other materials

**5. SHEATH DIAMETER**

- 062D = 0.062
- 125D = 0.125
- 188D = 0.188
- 250D = 0.250
- 375D = 0.375
- \* Contact factory for other diameters

**6. SENSOR LENGTH**

(Dim A)  
(In Inches xxx.xx)

**7. TERMINATION**

- M = Standard Male Plug-Solid Pin (350°F)
- F = Standard Female Jack (350°F)
- N = Mini Male Plug (350°F)
- G = Mini Female Jack (350°F)
- H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)
- K = Std High Temp Female Jack (550°F, Brown Case)
- Q = Ultra Temp Male Plug-Solid Pin (800°F)
- U = Ultra Temp Female Jack (800°F)
- L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)
- P = Ultra High Temp Ceramic Female Jack (1200°F)
- If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F

**8. LEAD WIRE LENGTH**

X = Not Applicable with Bare End Termination

**9. LEAD WIRE INSULATION**

X = Not Applicable with Bare End Termination

**10. COMPRESSION FITTINGS**

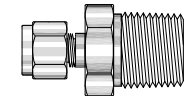
- X = NONE
- C1 = 1/16" NPT SS
- C2 = 1/8" NPT SS
- C4 = 1/4" NPT SS
- C6 = 3/8" NPT SS
- C8 = 1/2" NPT SS
- C12 = 3/4" NPT SS

**11. SELF GRIPPING SPRING**

- X = NONE
- SG = SELF GRIPPING SPRING

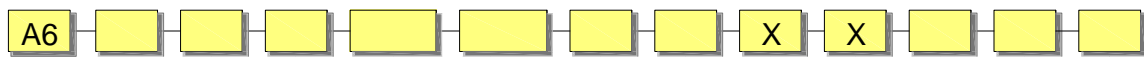
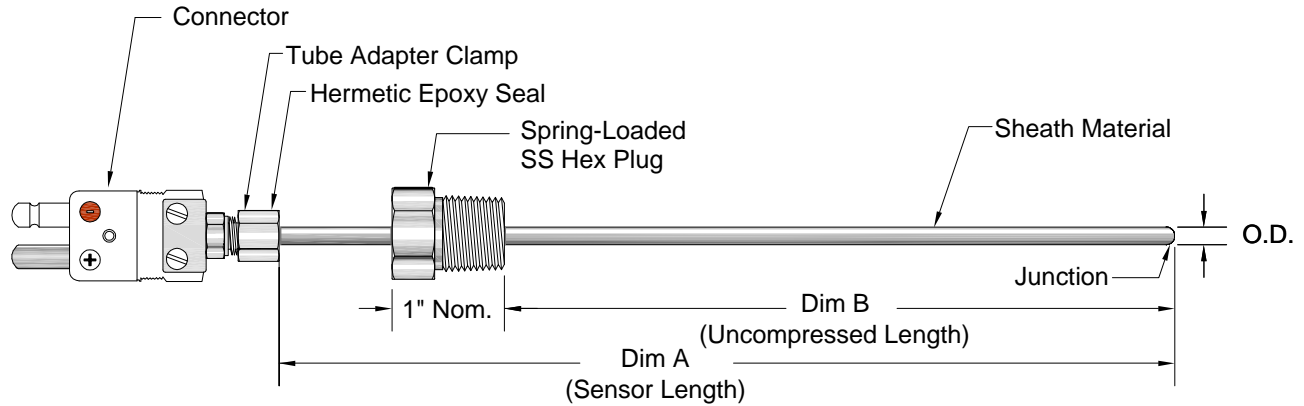
**12. OPTIONS**

X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS



# MODEL A6

# Thermocouple w/ Spring-Loaded Hex Plug and Plug/Jack Terminations



**1. INSULATION**

EXL = AccuTru Premium  
High Purity, Extended Life  
Special Limits of Error  
MGO = Magnesium Oxide  
Special Limits of Error

**2. CALIBRATION**

K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
G = Grounded  
E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
446S = 446 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
TITN = Titanium  
\* Contact factory for  
other materials

**5. SHEATH DIAMETER**

125D = 0.125  
188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for  
other diameters

**6. SENSOR LENGTH**

(Dim A)  
(In Inches xxx.xx)

**7. TERMINATION**

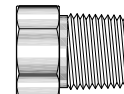
M = Standard Male Plug-Solid Pin (350°F)  
F = Standard Female Jack (350°F)  
N = Mini Male Plug (350°F)  
G = Mini Female Jack (350°F)  
H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
K = Std High Temp Female Jack (550°F, Brown Case)  
Q = Ultra Temp Male Plug-Solid Pin (800°F)  
U = Ultra Temp Female Jack (800°F)  
L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
P = Ultra High Temp Ceramic Female Jack (1200°F)  
If mating connector required, use both codes, with first representing  
the sensor termination. e.g., M/F

**8. LEAD WIRE LENGTH**

X = Not Applicable with Bare End Termination

**9. LEAD WIRE INSULATION**

X = Not Applicable with Bare End Termination



**10. SPRING-LOADED HEX PLUG  
OPTIONS**

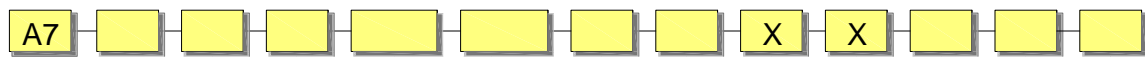
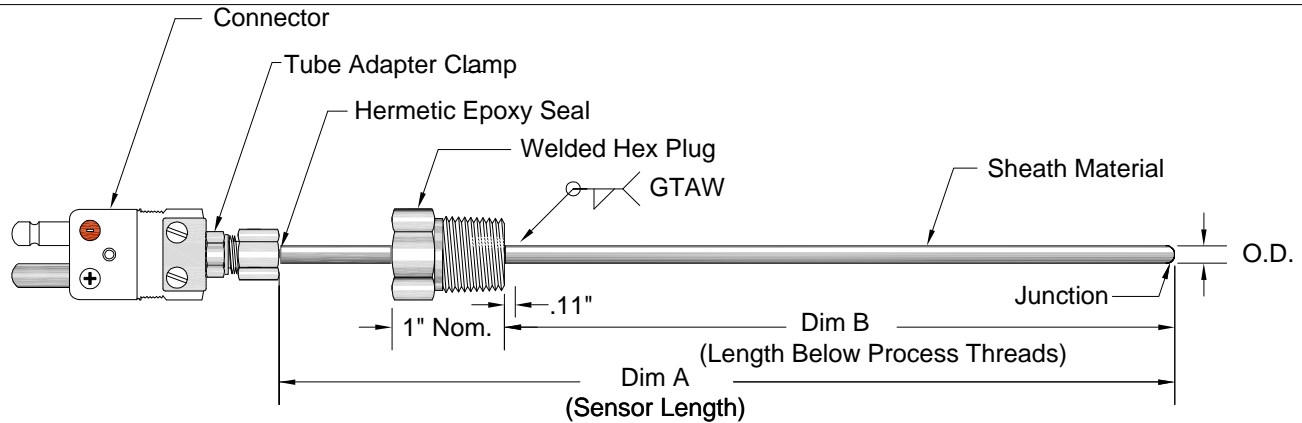
SP4 = 1/4" NPT SS  
SP6 = 3/8" NPT SS  
SP8 = 1/2" NPT SS  
SP12 = 3/4" NPT SS

**11. DIM "B"**  
(in inches xxx.xx)

**12. OPTIONS**  
X = NONE  
SEE PAGE 1-A FOR  
OTHER OPTIONS

## MODEL A7

## Thermocouple w/ Welded Hex Plug and Plug/Jack Termination



### 1. INSULATION

EXL = AccuTru Premium  
High Purity, Extended Life  
Special Limits of Error

MGO = Magnesium Oxide  
Special Limits of Error

### 2. CALIBRATION

K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E

### 3. JUNCTION

U = Ungrounded  
G = Grounded  
E = Exposed

### 4. SHEATH MATERIAL

600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
446S = 446 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
TITN = Titanium  
\* Contact factory for  
other materials

### 5. SHEATH DIAMETER

062D = 0.062  
125D = 0.125  
188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for  
other diameters

### 6. SENSOR LENGTH

(Dim A)  
(In Inches xxx.xx)

### 7. TERMINATION

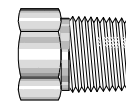
M = Standard Male Plug-Solid Pin (350°F)  
F = Standard Female Jack (350°F)  
N = Mini Male Plug (350°F)  
G = Mini Female Jack (350°F)  
H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
K = Std High Temp Female Jack (550°F, Brown Case)  
Q = Ultra Temp Male Plug-Solid Pin (800°F)  
U = Ultra Temp Female Jack (800°F)  
L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
P = Ultra High Temp Ceramic Female Jack (1200°F)  
If mating connector required, use both codes, with first representing  
the sensor termination. e.g., M/F

### 8. LEAD WIRE LENGTH

X = Not Applicable with Bare End Termination

### 9. LEAD WIRE INSULATION

X = Not Applicable with Bare End Termination



### 10B. WELDED HEX PLUG OPTIONS

HP4 = 1/4" NPT SS  
HP6 = 3/8" NPT SS  
HP8 = 1/2" NPT SS  
HP12 = 3/4" NPT SS

### 11. DIM "B"

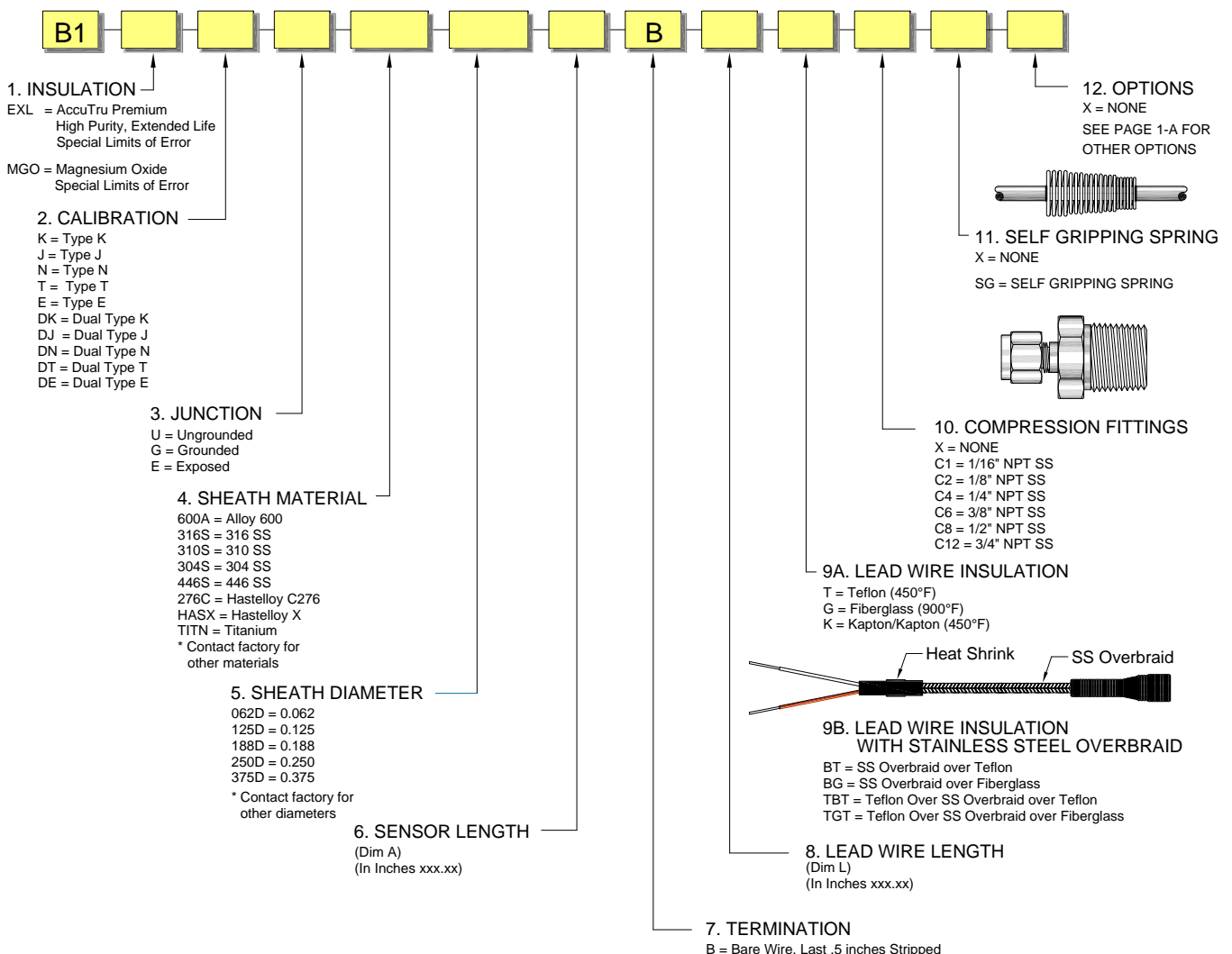
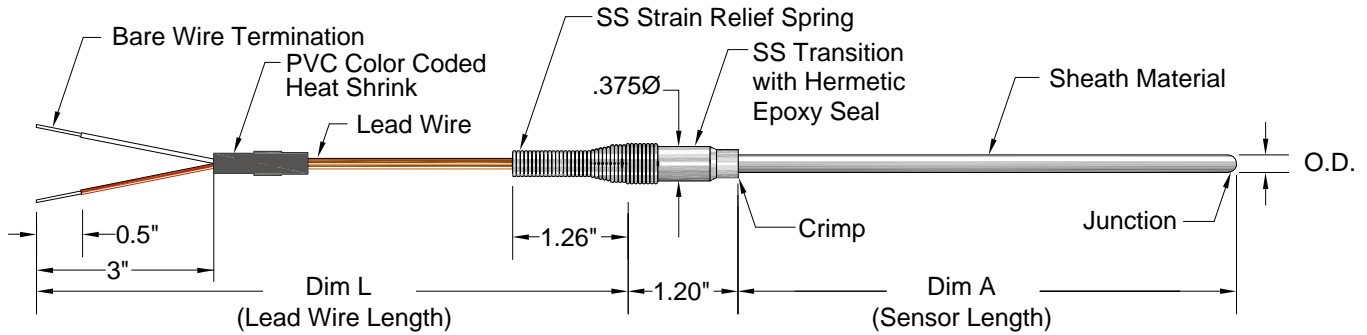
(in inches xxx.xx)

### 12. OPTIONS

X = NONE  
SEE PAGE 1-A FOR  
OTHER OPTIONS

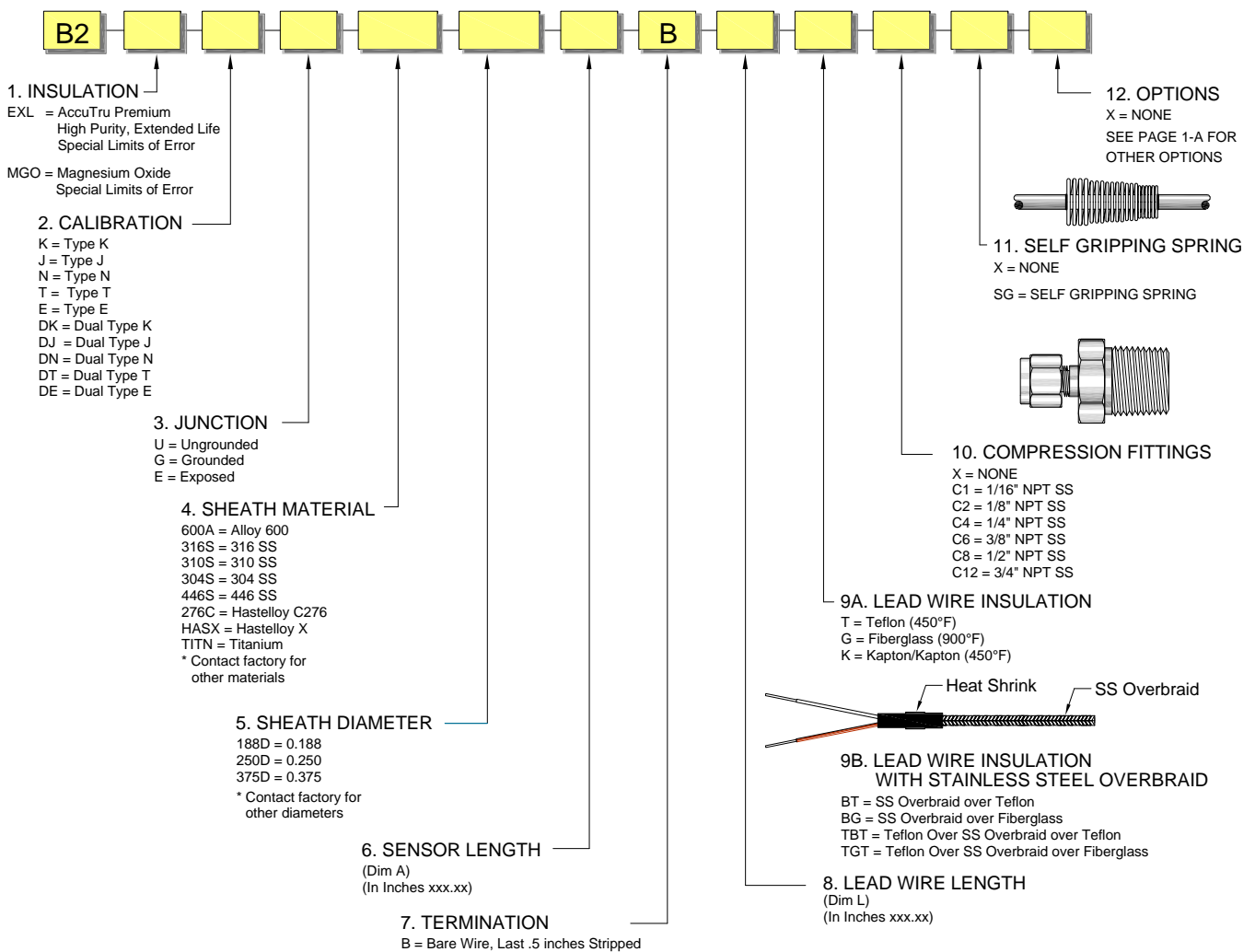
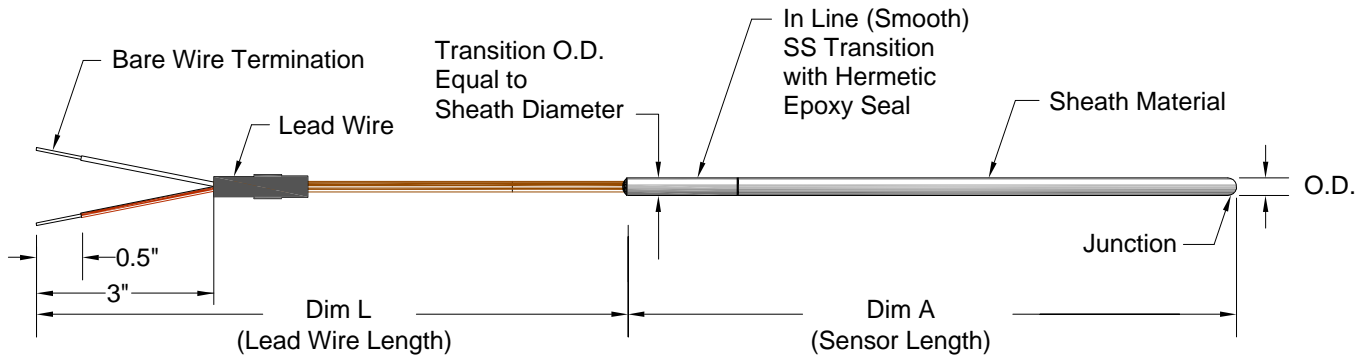
# MODEL B1

# Thermocouple w/ Lead Wire



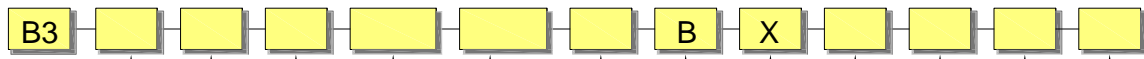
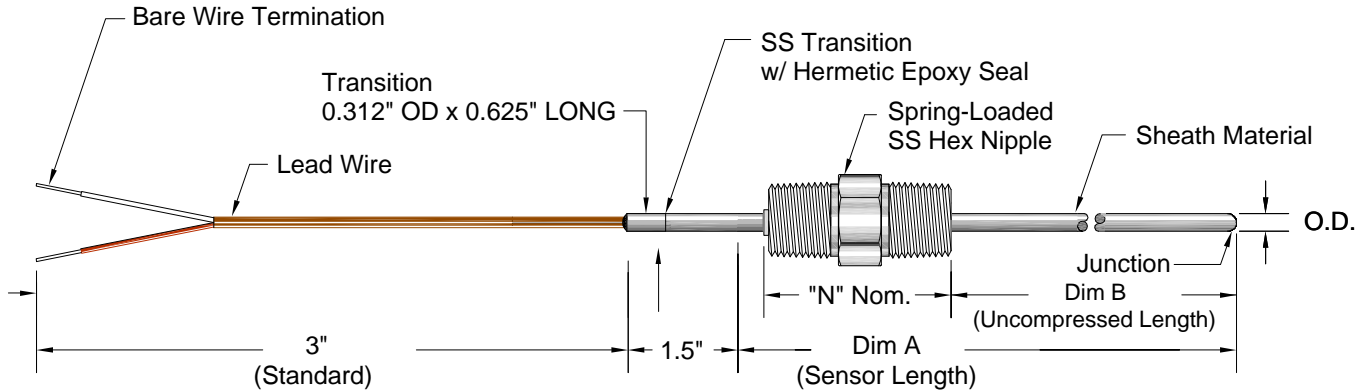
## MODEL B2

## Thermocouple w/ Lead Wire and In-Line (Smooth) Transition



# MODEL B3

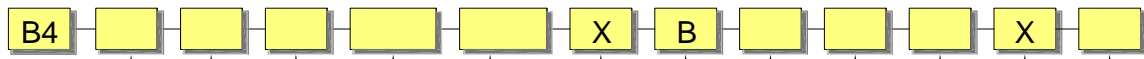
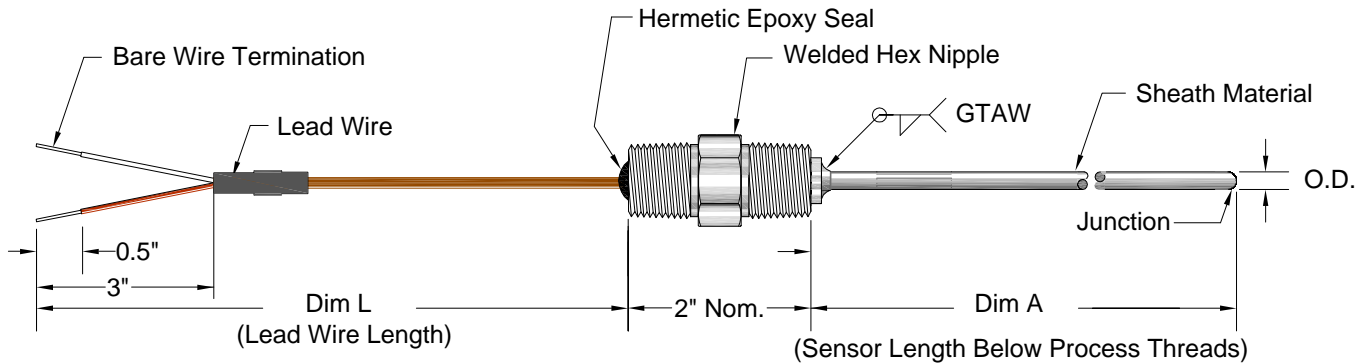
# Thermocouple w/ Lead Wire and Spring Loaded Hex Fitting



- 1. INSULATION  
EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
MGO = Magnesium Oxide Special Limits of Error
- 2. CALIBRATION  
K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E
- 3. JUNCTION  
U = Ungrounded  
G = Grounded  
E = Exposed
- 4. SHEATH MATERIAL  
600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
446S = 446 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
TITN = Titanium  
\* Contact factory for other materials
- 5. SHEATH DIAMETER  
188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for other diameters
- 6. SENSOR LENGTH (Dim A)  
(In Inches xxx.xx)
- 7. TERMINATION  
B = Bare Wire, Last .5" Stripped
- 8. LEAD WIRE LENGTH  
X = 3" Standard
- 9A. LEAD WIRE INSULATION  
T = Teflon (450°F)  
G = Fiberglass (900°F)  
K = Kapton/Kapton (450°F)
- 9B. LEAD WIRE INSULATION WITH STAINLESS STEEL OVERBRAID  
BT = SS Overbraid over Teflon  
BG = SS Overbraid over Fiberglass  
TBT = Teflon Over SS Overbraid over Teflon  
TGT = Teflon Over SS Overbraid over Fiberglass
- 10A. SPRING-LOADED HEX NIPPLE OPTION, "N" = 2" NOMINAL  
S4 = 1/4" NPT SS  
S6 = 3/8" NPT SS  
S8 = 1/2" NPT SS  
S12 = 3/4" NPT SS
- 10B. SPRING-LOADED HEX PLUG OPTION, "N" = 1" NOMINAL  
SP4 = 1/4" NPT SS  
SP6 = 3/8" NPT SS  
SP8 = 1/2" NPT SS  
SP12 = 3/4" NPT SS
- 11. DIM "B"  
(in inches xxx.xx)
- 12. OPTIONS  
X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS

# MODEL B4

# Thermocouple w/ Lead Wire and Welded Hex Nipple

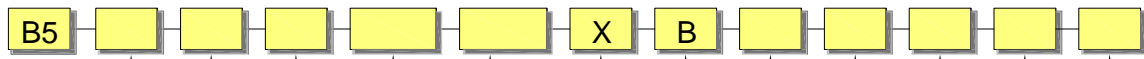
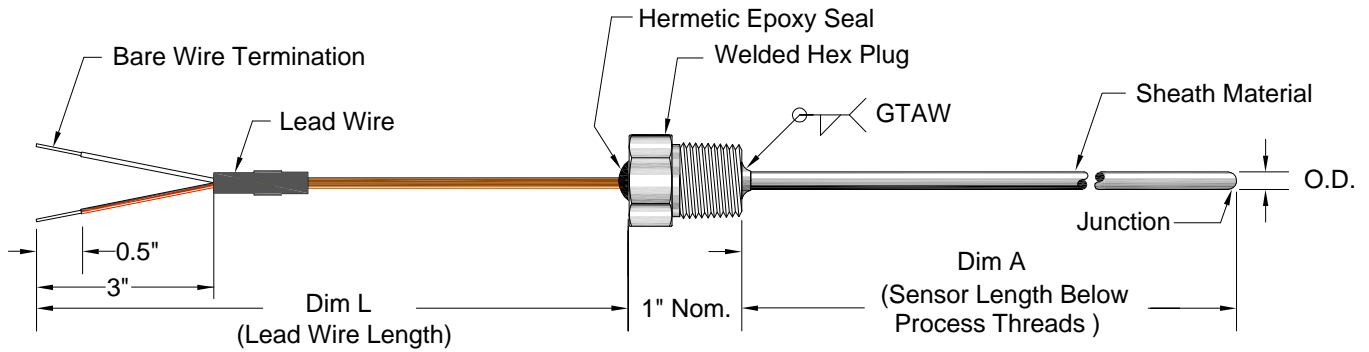


- 1. INSULATION  
EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
MGO = Magnesium Oxide Special Limits of Error
- 2. CALIBRATION  
K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E
- 3. JUNCTION  
U = Ungrounded  
G = Grounded  
E = Exposed
- 4. SHEATH MATERIAL  
600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
446S = 446 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
TITN = Titanium  
\* Contact factory for other materials
- 5. SHEATH DIAMETER  
062D = 0.062  
125D = 0.125  
188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for other diameters
- 6. SENSOR LENGTH (Dim A)  
(In Inches xxx.xx)
- 7. TERMINATION  
B = Bare Wire, Last .5 inches Stripped
- 8. LEAD WIRE LENGTH (Dim L)  
(In Inches xxx.xx)
- 9A. LEAD WIRE INSULATION  
T = Teflon (450°F)  
G = Fiberglass (900°F)  
K = Kapton/Kapton (450°F)
- 9B. LEAD WIRE INSULATION WITH STAINLESS STEEL OVERBRAID  
BT = SS Overbraid over Teflon  
BG = SS Overbraid over Fiberglass  
TBT = Teflon Over SS Overbraid over Teflon  
TGT = Teflon Over SS Overbraid over Fiberglass
- 10. WELDED HEX NIPPLE OPTIONS  
X = NONE  
H4 = 1/4" NPT SS  
H6 = 3/8" NPT SS  
H8 = 1/2" NPT SS  
H12 = 3/4" NPT SS
- 11. NOT REQUIRED  
X = NOT APPLICABLE
- 12. OPTIONS  
X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS



# MODEL B5

# Thermocouple w/ Lead Wire and Welded Hex Plug



**1. INSULATION**

EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
 MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

K = Type K  
 J = Type J  
 N = Type N  
 T = Type T  
 E = Type E  
 DK = Dual Type K  
 DJ = Dual Type J  
 DN = Dual Type N  
 DT = Dual Type T  
 DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
 G = Grounded  
 E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
 316S = 316 SS  
 310S = 310 SS  
 304S = 304 SS  
 446S = 446 SS  
 276C = Hastelloy C276  
 HASX = Hastelloy X  
 TITN = Titanium  
 \* Contact factory for other materials

**5. SHEATH DIAMETER**

062D = 0.062  
 125D = 0.125  
 188D = 0.188  
 250D = 0.250  
 375D = 0.375  
 \* Contact factory for other diameters

**6. SENSOR LENGTH (DIM A)**

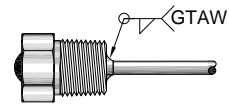
(In Inches xxx.xx)

**7. TERMINATION**

B = Bare Wire, Last .5 inches Stripped

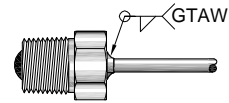
**12. OPTIONS**  
 X = NONE  
 SEE PAGE 1-A FOR OTHER OPTIONS

**11. DIM "C" (Critical)**  
 (in inches xxx.xx)



**10A. WELDED HEX PLUG FACING PROCESS OPTION**

HP4 = 1/4" NPT SS  
 HP6 = 3/8" NPT SS  
 HP8 = 1/2" NPT SS  
 HP12 = 3/4" NPT SS



**10B. WELDED HEX PLUG FACING "COLD" END OPTION**

CHP4 = 1/4" NPT SS  
 CHP6 = 3/8" NPT SS  
 CHP8 = 1/2" NPT SS  
 CHP12 = 3/4" NPT SS

**9. LEAD WIRE INSULATION**

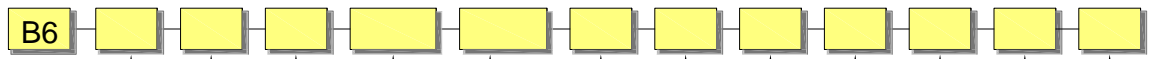
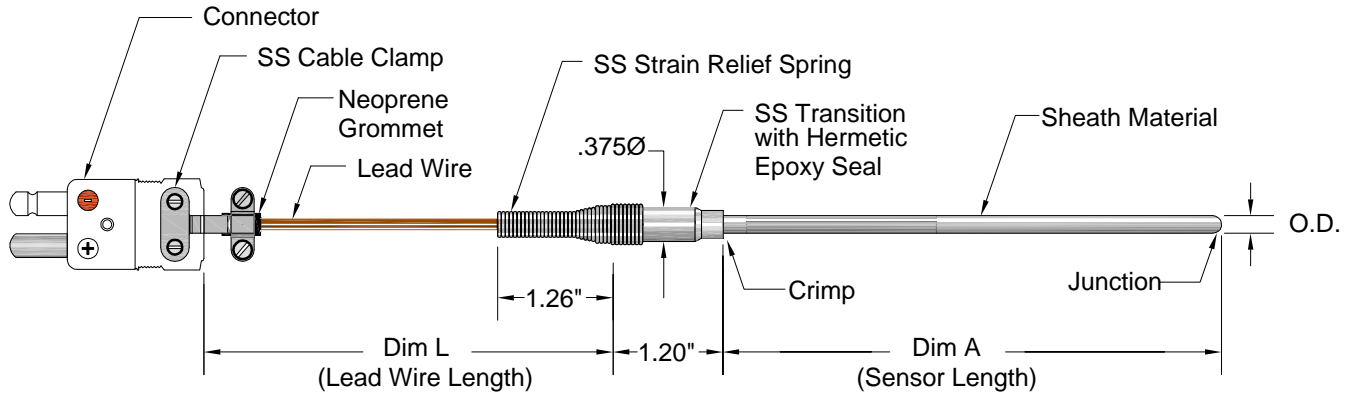
T = Teflon (450°F)  
 G = Fiberglass (900°F)  
 K = Kapton/Kapton (450°F)  
 BT = SS Overbraid over Teflon  
 BG = SS Overbraid over Fiberglass  
 TBT = Teflon Over SS Overbraid over Teflon  
 TGT = Teflon Over SS Overbraid over Fiberglass

**8. LEAD WIRE LENGTH (Dim L)**

(In Inches xxx.xx)

# MODEL B6

# Thermocouple w/ Lead Wire and Plug/Jack Termination



- 1. INSULATION**  
 EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
 MGO = Magnesium Oxide Special Limits of Error
- 2. CALIBRATION**  
 K = Type K    DK = Dual Type K  
 J = Type J    DJ = Dual Type J  
 N = Type N    DN = Dual Type N  
 T = Type T    DT = Dual Type T  
 E = Type E    DE = Dual Type E
- 3. JUNCTION**  
 U = Ungrounded  
 G = Grounded  
 E = Exposed

- 4. SHEATH MATERIAL**  
 600A = Alloy 600  
 316S = 316 SS  
 310S = 310 SS  
 304S = 304 SS  
 446S = 446 SS  
 276C = Hastelloy C276  
 HASX = Hastelloy X  
 TITN = Titanium  
 \* Contact factory for other materials

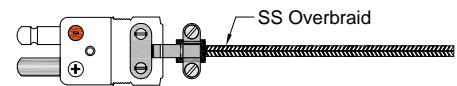
- 5. SHEATH DIAMETER**  
 062D = 0.062  
 125D = 0.125  
 188D = 0.188  
 250D = 0.250  
 375D = 0.375  
 \* Contact factory for other diameters

- 6. SENSOR LENGTH**  
 (Dim A)  
 (In Inches xxx.xx)

- 7. TERMINATION**  
 M = Standard Male Plug-Solid Pin (350°F)  
 F = Standard Female Jack (350°F)  
 N = Mini Male Plug (350°F)  
 G = Mini Female Jack (350°F)  
 H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
 K = Std High Temp Female Jack (550°F, Brown Case)  
 Q = Ultra Temp Male Plug-Solid Pin (800°F)  
 U = Ultra Temp Female Jack (800°F)  
 L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
 P = Ultra High Temp Ceramic Female Jack (1200°F)  
 If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F

- 12. OPTIONS**  
 X = NONE  
 SEE PAGE 1-A FOR OTHER OPTIONS
- 11. SELF GRIPPING SPRING**  
 X = NONE  
 SG = SELF GRIPPING SPRING
- 10. COMPRESSION FITTINGS**  
 X = NONE  
 C1 = 1/16" NPT SS  
 C2 = 1/8" NPT SS  
 C4 = 1/4" NPT SS  
 C6 = 3/8" NPT SS  
 C8 = 1/2" NPT SS  
 C12 = 3/4" NPT SS

- 9A. LEAD WIRE INSULATION**  
 T = Teflon (450°F)  
 G = Fiberglass (900°F)  
 K = Kapton/Kapton (450°F)

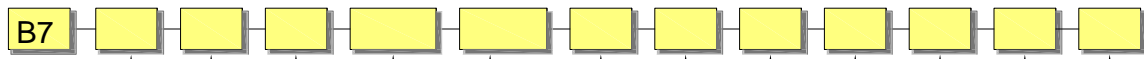
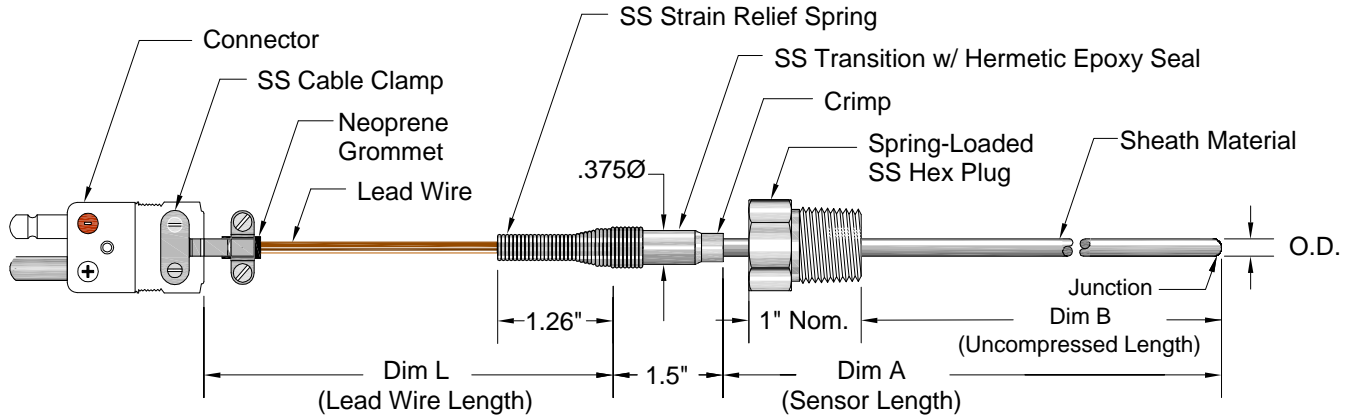


- 9B. LEAD WIRE INSULATION WITH STAINLESS STEEL OVERBRAID**  
 BT = SS Overbraid over Teflon  
 BG = SS Overbraid over Fiberglass  
 TBT = Teflon Over SS Overbraid over Teflon  
 TGT = Teflon Over SS Overbraid over Fiberglass

- 8. LEAD WIRE LENGTH**  
 (Dim L)  
 (In Inches xxx.xx)

# MODEL B7

## Thermocouple w/ Lead Wire and Spring-Loaded Hex Plug w/ Plug/Jack Termination



**1. INSULATION**

EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
G = Grounded  
E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
446S = 446 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
TITN = Titanium  
\*Contact factory for other materials

**5. SHEATH DIAMETER**

188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for other diameters

**6. SENSOR LENGTH**

(Dim A)  
(In Inches xxx.xx)

**7. TERMINATION**

M = Standard Male Plug-Solid Pin (350°F)  
F = Standard Female Jack (350°F)  
N = Mini Male Plug (350°F)  
G = Mini Female Jack (350°F)  
H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
K = Std High Temp Female Jack (550°F, Brown Case)  
Q = Ultra Temp Male Plug-Solid Pin (800°F)  
U = Ultra Temp Female Jack (800°F)  
L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
P = Ultra High Temp Ceramic Female Jack (1200°F)  
If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F

**9A. LEAD WIRE INSULATION**

T = Teflon (450°F)  
G = Fiberglass (900°F)  
K = Kapton/Kapton (450°F)

**9B. LEAD WIRE INSULATION WITH STAINLESS STEEL OVERBRAID**

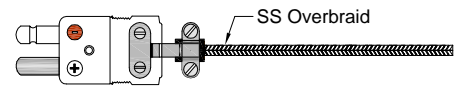
BT = SS Overbraid over Teflon  
BG = SS Overbraid over Fiberglass  
TBT = Teflon Over SS Overbraid over Teflon  
TGT = Teflon Over SS Overbraid over Fiberglass

**11. DIM "B"**  
(in inches xxx.xx)



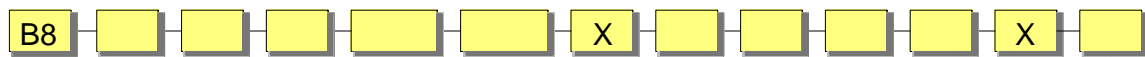
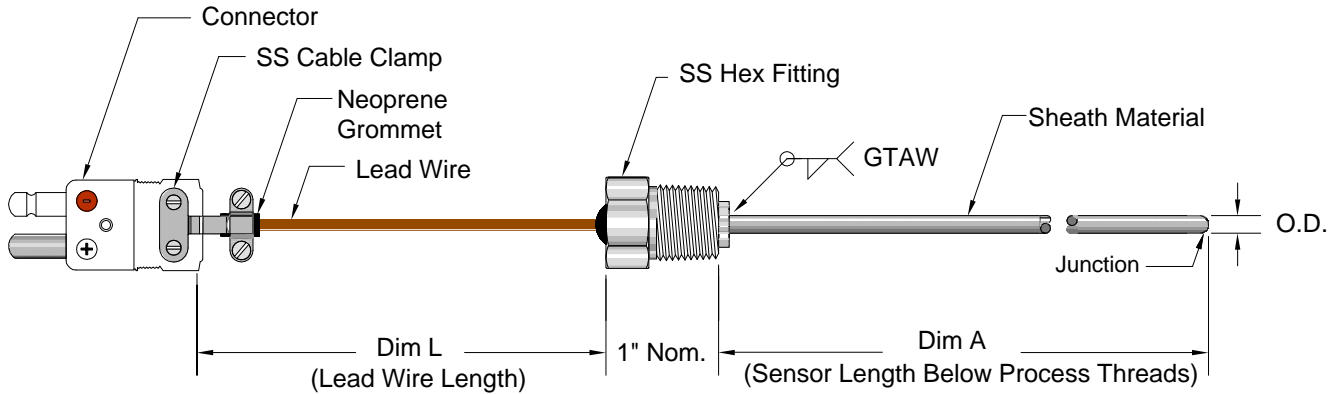
**10. SPRING-LOADED HEX PLUG OPTIONS**

SP4 = 1/4" NPT SS  
SP6 = 3/8" NPT SS  
SP8 = 1/2" NPT SS  
SP12 = 3/4" NPT SS



# MODEL B8

## Thermocouple w/ Lead Wire and Welded Hex Plug w/ Plug/Jack Termination



**1. INSULATION**

EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

K = Type K      DK = Dual Type K  
J = Type J      DJ = Dual Type J  
N = Type N      DN = Dual Type N  
T = Type T      DT = Dual Type T  
E = Type E      DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
G = Grounded  
E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
446S = 446 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
TITN = Titanium  
\* Contact factory for other materials

**5. SHEATH DIAMETER**

125D = 0.125  
188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for other diameters

**6. SENSOR LENGTH**

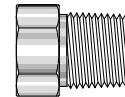
(Dim A)  
(In Inches xxx.xx)

**7. TERMINATION**

M = Standard Male Plug-Solid Pin (350°F)  
F = Standard Female Jack (350°F)  
N = Mini Male Plug (350°F)  
G = Mini Female Jack (350°F)  
H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
K = Std High Temp Female Jack (550°F, Brown Case)  
Q = Ultra Temp Male Plug-Solid Pin (800°F)  
U = Ultra Temp Female Jack (800°F)  
L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
P = Ultra High Temp Ceramic Female Jack (1200°F)  
If mating connector required, use both codes, with first representing the sensor termination. e.g., MF

**12. OPTIONS**  
X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS

**11. NOT REQUIRED**  
X = Not Applicable

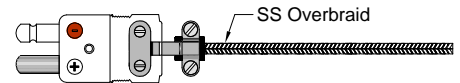


**10. WELDED HEX PLUG OPTIONS**

HP4 = 1/4" NPT SS  
HP6 = 3/8" NPT SS  
HP8 = 1/2" NPT SS  
HP12 = 3/4" NPT SS

**9A. LEAD WIRE INSULATION**

T = Teflon (450°F)  
G = Fiberglass (900°F)  
K = Kapton/Kapton (450°F)



**9B. LEAD WIRE INSULATION WITH STAINLESS STEEL OVERBRAID**

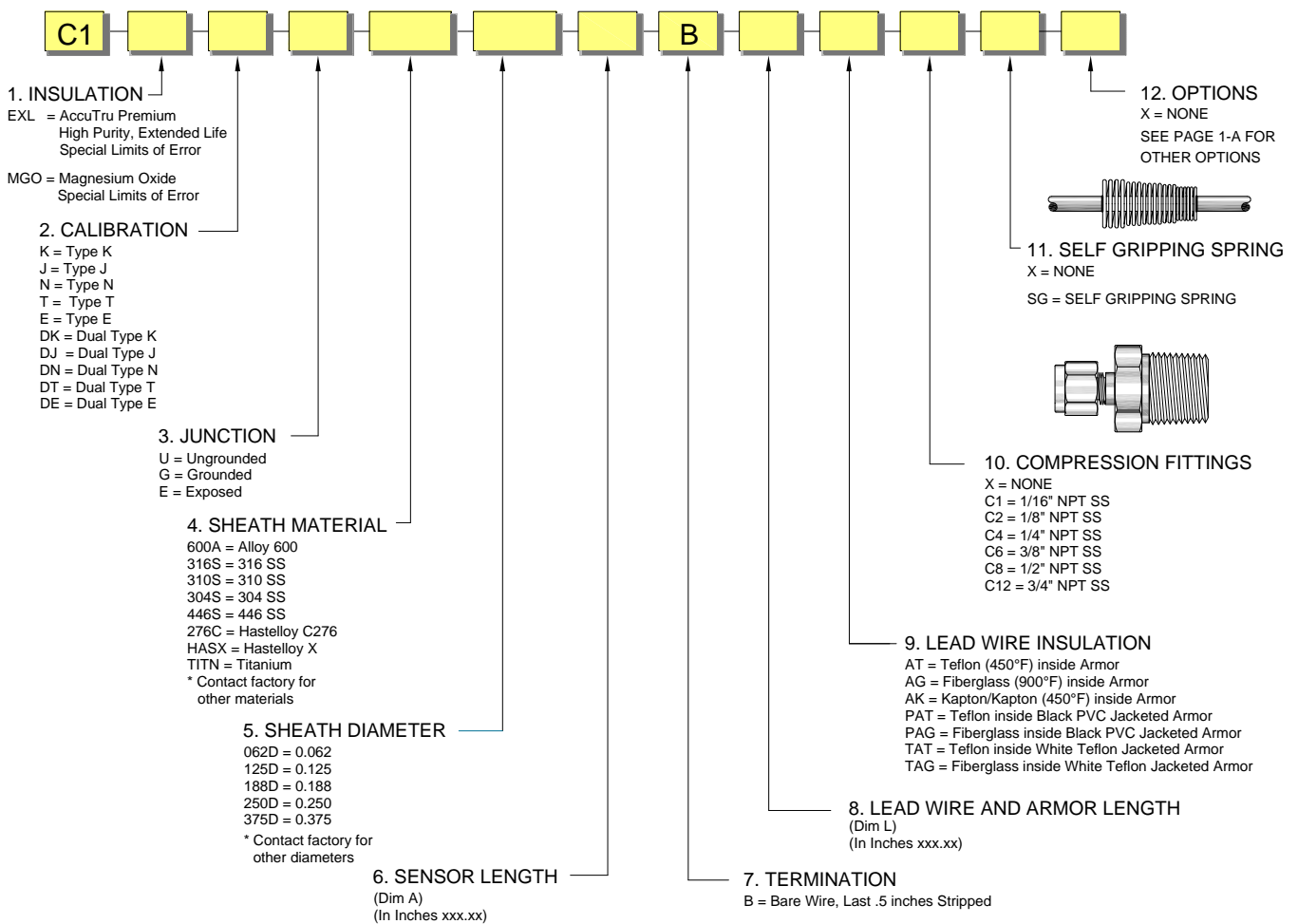
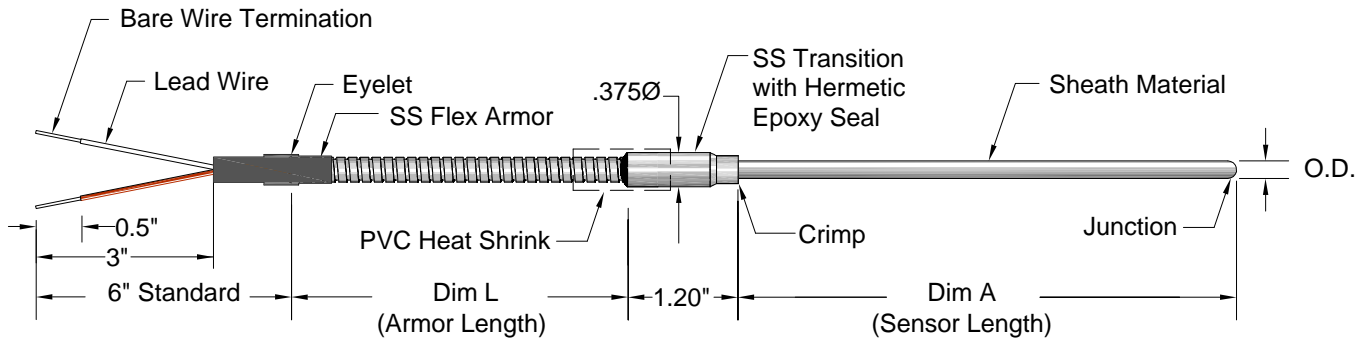
BT = SS Overbraid over Teflon  
BG = SS Overbraid over Fiberglass  
TBT = Teflon Over SS Overbraid over Teflon  
TGT = Teflon Over SS Overbraid over Fiberglass

**8. LEAD WIRE LENGTH**

(Dim L)  
(In Inches xxx.xx)

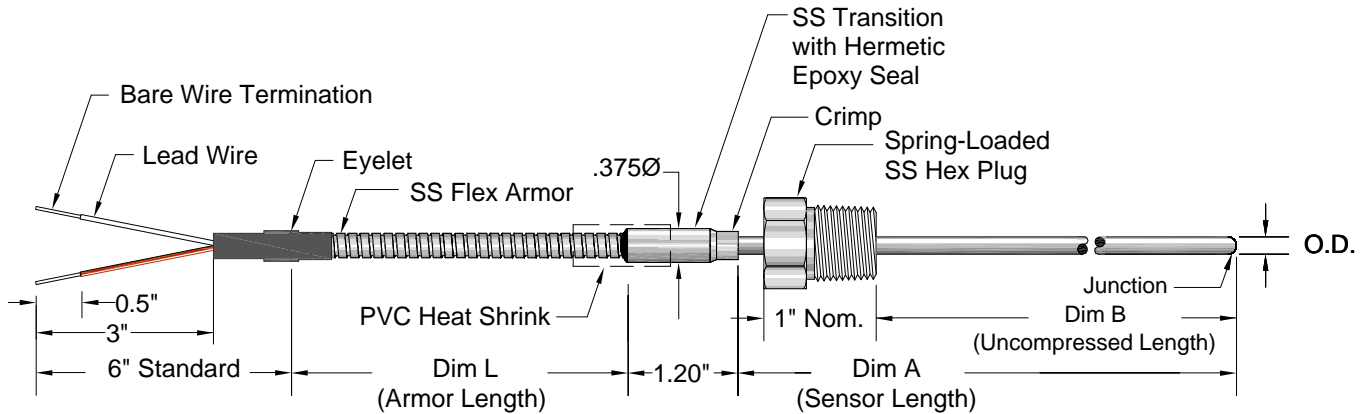
# MODEL C1

# SS Flex Armor Remote Mount Thermocouple



# MODEL C2

# SS Flex Armor Thermocouple w/ Spring Loaded Hex Plug



**1. INSULATION**

- EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error
- MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

- K = Type K
- J = Type J
- N = Type N
- T = Type T
- E = Type E
- DK = Dual Type K
- DJ = Dual Type J
- DN = Dual Type N
- DT = Dual Type T
- DE = Dual Type E

**3. JUNCTION**

- U = Ungrounded
- G = Grounded
- E = Exposed

**4. SHEATH MATERIAL**

- 600A = Alloy 600
- 316S = 316 SS
- 310S = 310 SS
- 304S = 304 SS
- 446S = 446 SS
- 276C = Hastelloy C276
- HASX = Hastelloy X
- TITN = Titanium
- \* Contact factory for other materials

**5. SHEATH DIAMETER**

- 188D = 0.188
- 250D = 0.250
- 375D = 0.375
- \* Contact factory for other diameters

**6. SENSOR LENGTH**

(Dim A)  
(In Inches xxx.xx)

**7. TERMINATION**

B = Bare Wire, Last .5 inches Stripped

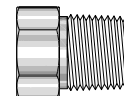
**9. LEAD WIRE INSULATION**

- AT = Teflon (450°F) inside Armor
- AG = Fiberglass (900°F) inside Armor
- AK = Kapton/Kapton (450°F) inside Armor
- PAT = Teflon inside Black PVC Jacketed Armor
- PAG = Fiberglass inside Black PVC Jacketed Armor
- TAT = Teflon inside White Teflon Jacketed Armor
- TAG = Fiberglass inside White Teflon Jacketed Armor

**8. LEAD WIRE AND ARMOR LENGTH**

(DIM L)  
(In Inches xxx.xx)

**11. DIM "B"**  
(in inches xxx.xx)



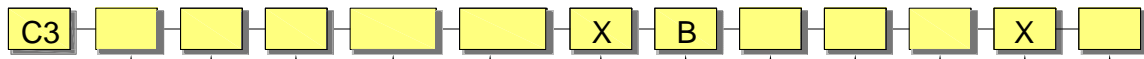
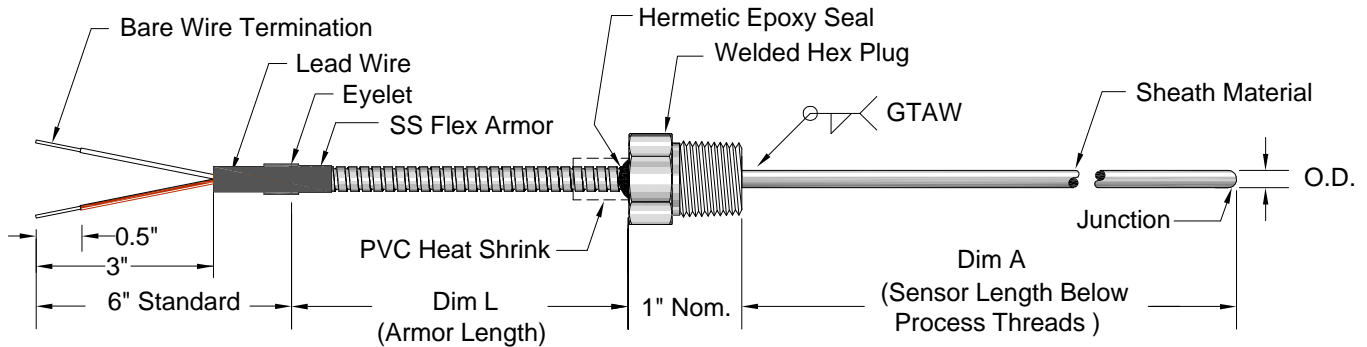
**10. SPRING-LOADED HEX PLUG OPTIONS**

- SP4 = 1/4" NPT SS
- SP6 = 3/8" NPT SS
- SP8 = 1/2" NPT SS
- SP12 = 3/4" NPT SS

**12. OPTIONS**  
X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS

# MODEL C3

# SS Flex Armor Thermocouple w/ Welded Hex Plug



**1. INSULATION**

- EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error
- MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

- K = Type K
- J = Type J
- N = Type N
- T = Type T
- E = Type E
- DK = Dual Type K
- DJ = Dual Type J
- DN = Dual Type N
- DT = Dual Type T
- DE = Dual Type E

**3. JUNCTION**

- U = Ungrounded
- G = Grounded
- E = Exposed

**4. SHEATH MATERIAL**

- 600A = Alloy 600
- 316S = 316 SS
- 310S = 310 SS
- 304S = 304 SS
- 446S = 446 SS
- 276C = Hastelloy C276
- HASX = Hastelloy X
- TITN = Titanium
- \* Contact factory for other materials

**5. SHEATH DIAMETER**

- 062D = 0.062
- 125D = 0.125
- 188D = 0.188
- 250D = 0.250
- 375D = 0.375
- \* Contact factory for other diameters

**6. SENSOR LENGTH**

(Dim A)  
(In Inches xxx.xx)

**7. TERMINATION**

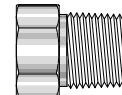
B = Bare Wire, Last .5 inches Stripped

**8. LEAD WIRE AND ARMOR LENGTH**

(Dim D/E) Example 6"/36"  
(In Inches xxx.xx)

**9. LEAD WIRE INSULATION**

- AT = Teflon (450°F) inside Armor
- AG = Fiberglass (900°F) inside Armor
- AK = Kapton/Kapton (450°F) inside Armor
- PAT = Teflon inside Black PVC Jacketed Armor
- PAG = Fiberglass inside Black PVC Jacketed Armor
- TAT = Teflon inside White Teflon Jacketed Armor
- TAG = Fiberglass inside White Teflon Jacketed Armor



**10. WELDED HEX PLUG OPTIONS**

- HP4 = 1/4" NPT SS
- HP6 = 3/8" NPT SS
- HP8 = 1/2" NPT SS
- HP12 = 3/4" NPT SS

**12. OPTIONS**

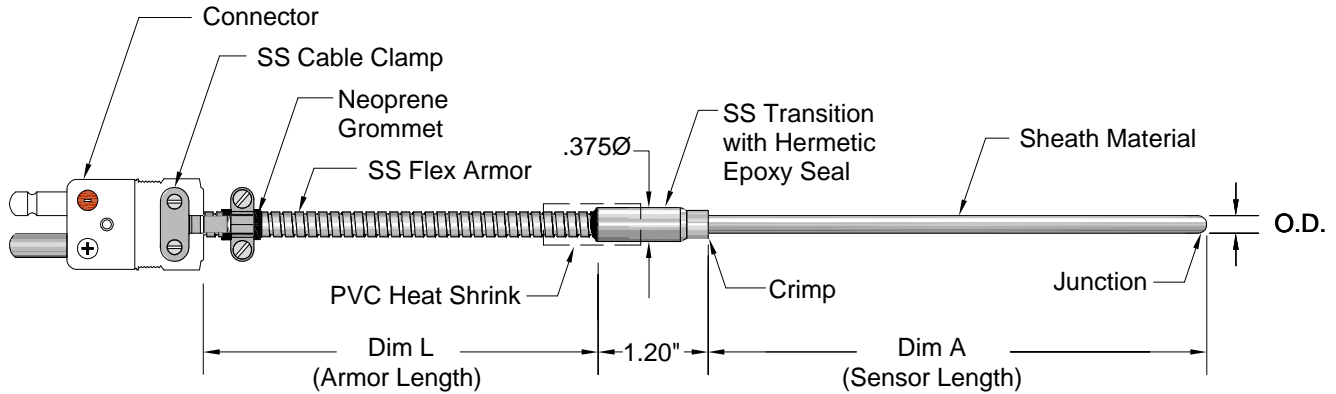
X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS

**11. NOT REQUIRED**

X = Not Applicable

# MODEL C4

# SS Flex Armor Thermocouple w/ Plug/Jack Termination



**1. INSULATION**

EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
 MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

K = Type K  
 J = Type J  
 N = Type N  
 T = Type T  
 E = Type E  
 DK = Dual Type K  
 DJ = Dual Type J  
 DN = Dual Type N  
 DT = Dual Type T  
 DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
 G = Grounded  
 E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
 316S = 316 SS  
 310S = 310 SS  
 304S = 304 SS  
 446S = 446 SS  
 276C = Hastelloy C276  
 HASX = Hastelloy X  
 TITN = Titanium  
 \* Contact factory for other materials

**5. SHEATH DIAMETER**

062D = 0.062  
 125D = 0.125  
 188D = 0.188  
 250D = 0.250  
 375D = 0.375

\* Contact factory for other diameters

**6. SENSOR LENGTH**

(Dim A)  
 (In Inches xxx.xx)

**7. TERMINATION**

M = Standard Male Plug-Solid Pin (350°F)  
 F = Standard Female Jack (350°F)  
 N = Mini Male Plug (350°F)  
 G = Mini Female Jack (350°F)  
 H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
 K = Std High Temp Female Jack (550°F, Brown Case)  
 Q = Ultra Temp Male Plug-Solid Pin (800°F)  
 U = Ultra Temp Female Jack (800°F)  
 L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
 P = Ultra High Temp Ceramic Female Jack (1200°F)  
 If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F

**8. ARMOR LENGTH**  
 (Dim L, In Inches xxx.xx)

**9. LEAD WIRE INSULATION**

AT = Teflon (450°F) inside Armor  
 AG = Fiberglass (900°F) inside Armor  
 AK = Kapton/Kapton (450°F) inside Armor  
 PAT = Teflon inside Black PVC Jacketed Armor  
 PAG = Fiberglass inside Black PVC Jacketed Armor  
 TAT = Teflon inside White Teflon Jacketed Armor  
 TAG = Fiberglass inside White Teflon Jacketed Armor

**10. COMPRESSION FITTINGS**

X = NONE  
 C1 = 1/16" NPT SS  
 C2 = 1/8" NPT SS  
 C4 = 1/4" NPT SS  
 C6 = 3/8" NPT SS  
 C8 = 1/2" NPT SS  
 C12 = 3/4" NPT SS

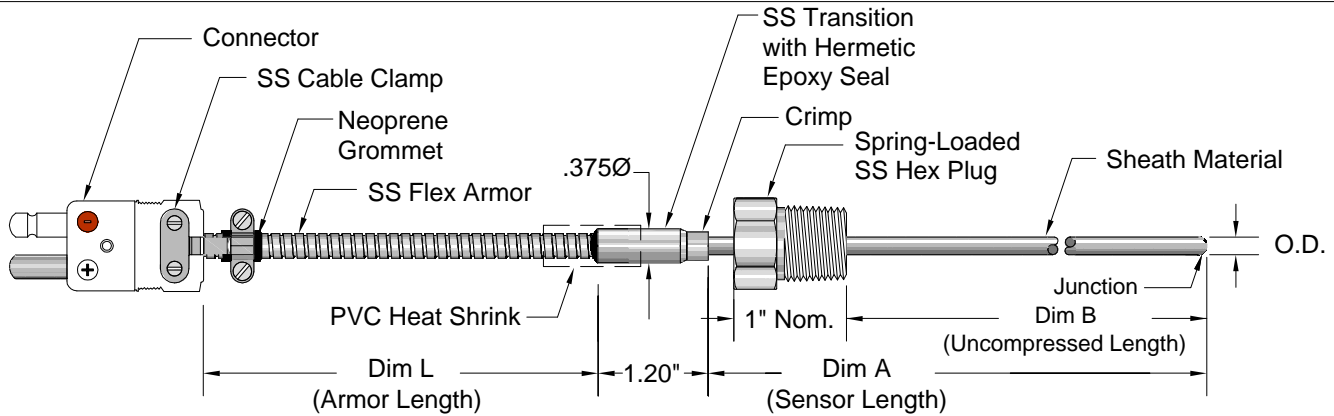
**11. SELF GRIPPING SPRING**  
 X = NONE  
 SG = SELF GRIPPING SPRING

**12. OPTIONS**  
 X = NONE  
 SEE PAGE 1-A FOR OTHER OPTIONS



# MODEL C5

# SS Flex Armor Thermocouple w/ Plug/Jack and Spring Loaded Hex Plug



**1. INSULATION**

EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
 MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

K = Type K  
 J = Type J  
 N = Type N  
 T = Type T  
 E = Type E  
 DK = Dual Type K  
 DJ = Dual Type J  
 DN = Dual Type N  
 DT = Dual Type T  
 DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
 G = Grounded  
 E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
 316S = 316 SS  
 310S = 310 SS  
 304S = 304 SS  
 446S = 446 SS  
 276C = Hastelloy C276  
 HASX = Hastelloy X  
 TITN = Titanium  
 \* Contact factory for other materials

**5. SHEATH DIAMETER**

062D = 0.062  
 125D = 0.125  
 188D = 0.188  
 250D = 0.250  
 375D = 0.375  
 \* Contact factory for other diameters

**6. SENSOR LENGTH**

(Dim A)  
 (In Inches xxx.xx)

**7. TERMINATION**

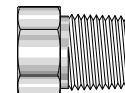
M = Standard Male Plug-Solid Pin (350°F)  
 F = Standard Female Jack (350°F)  
 N = Mini Male Plug (350°F)  
 G = Mini Female Jack (350°F)  
 H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
 K = Std High Temp Female Jack (550°F, Brown Case)  
 Q = Ultra Temp Male Plug-Solid Pin (800°F)  
 U = Ultra Temp Female Jack (800°F)  
 L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
 P = Ultra High Temp Ceramic Female Jack (1200°F)  
 If mating connector required, use both codes, with first representing the sensor termination. e.g., MF

**8. ARMOR LENGTH**

(Dim L, In Inches xxx.xx)

**9. LEAD WIRE INSULATION**

AT = Teflon (450°F) inside Armor  
 AG = Fiberglass (900°F) inside Armor  
 AK = Kapton/Kapton (450°F) inside Armor  
 PAT = Teflon inside Black PVC Jacketed Armor  
 PAG = Fiberglass inside Black PVC Jacketed Armor  
 TAT = Teflon inside White Teflon Jacketed Armor  
 TAG = Fiberglass inside White Teflon Jacketed Armor



**10. SPRING-LOADED HEX PLUG OPTIONS**

SP4 = 1/4" NPT SS  
 SP6 = 3/8" NPT SS  
 SP8 = 1/2" NPT SS  
 SP12 = 3/4" NPT SS

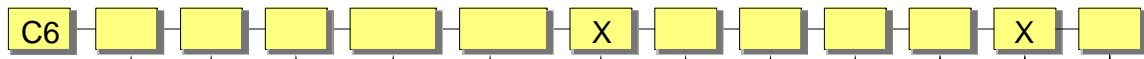
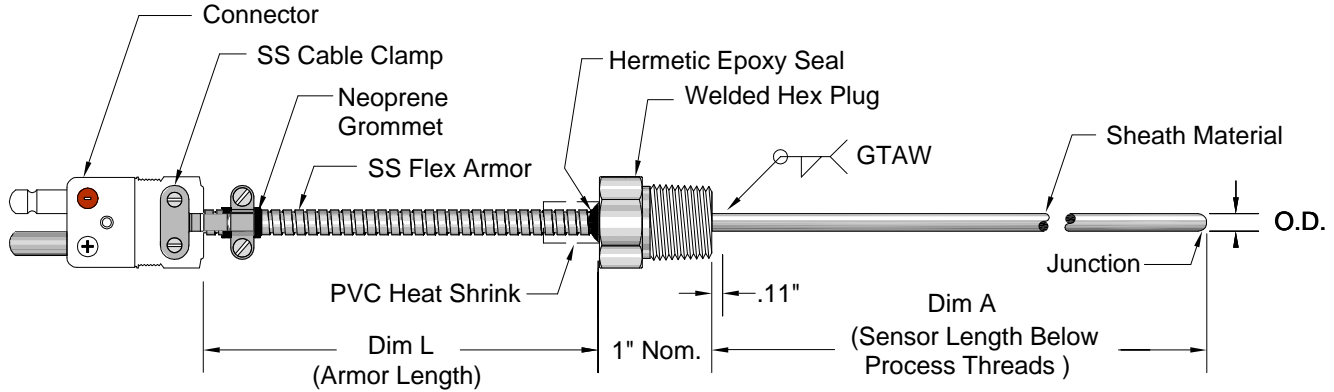
**11. DIM "B"**

(in inches xxx.xx)

**12. OPTIONS**  
 X = NONE  
 SEE PAGE 1-A FOR OTHER OPTIONS

# MODEL C6

# SS Flex Armor Thermocouple w/ Plug/Jack and Welded Hex Plug



**1. INSULATION**

EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
 MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

K = Type K  
 J = Type J  
 N = Type N  
 T = Type T  
 E = Type E  
 DK = Dual Type K  
 DJ = Dual Type J  
 DN = Dual Type N  
 DT = Dual Type T  
 DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
 G = Grounded  
 E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
 316S = 316 SS  
 310S = 310 SS  
 304S = 304 SS  
 446S = 446 SS  
 276C = Hastelloy C276  
 HASX = Hastelloy X  
 TITN = Titanium  
 \* Contact factory for other materials

**5. SHEATH DIAMETER**

062D = 0.062  
 125D = 0.125  
 188D = 0.188  
 250D = 0.250  
 375D = 0.375  
 \* Contact factory for other diameters

**6. SENSOR LENGTH**

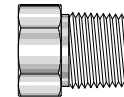
(Dim A)  
 (In Inches xxx.xx)

**7. TERMINATION**

M = Standard Male Plug-Solid Pin (350°F)  
 F = Standard Female Jack (350°F)  
 N = Mini Male Plug (350°F)  
 G = Mini Female Jack (350°F)  
 H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
 K = Std High Temp Female Jack (550°F, Brown Case)  
 Q = Ultra Temp Male Plug-Solid Pin (800°F)  
 U = Ultra Temp Female Jack (800°F)  
 L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
 P = Ultra High Temp Ceramic Female Jack (1200°F)  
 If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F

**9. LEAD WIRE INSULATION**

AT = Teflon (450°F) inside Armor  
 AG = Fiberglass (900°F) inside Armor  
 AK = Kapton/Kapton (450°F) inside Armor  
 PAT = Teflon inside Black PVC Jacketed Armor  
 PAG = Fiberglass inside Black PVC Jacketed Armor  
 TAT = Teflon inside White Teflon Jacketed Armor  
 TAG = Fiberglass inside White Teflon Jacketed Armor



**10. WELDED HEX PLUG OPTIONS**

HP4 = 1/4" NPT SS  
 HP6 = 3/8" NPT SS  
 HP8 = 1/2" NPT SS  
 HP12 = 3/4" NPT SS

**12. OPTIONS**

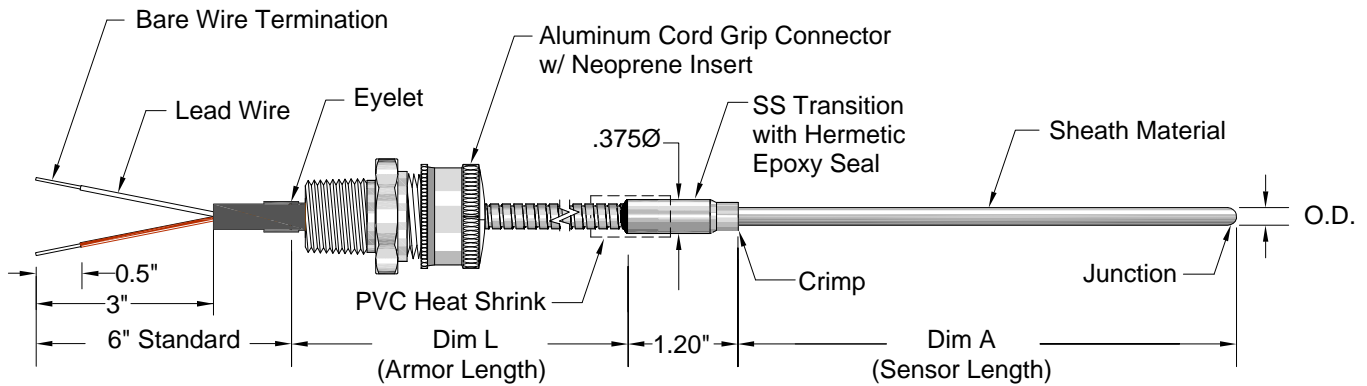
X = NONE  
 SEE PAGE 1-A FOR OTHER OPTIONS

**11. NOT REQUIRED**

X = NOT APPLICABLE

# MODEL C7

# SS Flex Armor Thermocouple w/ Cord Grip Connector



**1. INSULATION**

EXL = AccuTru Premium  
High Purity, Extended Life  
Special Limits of Error  
MGO = Magnesium Oxide  
Special Limits of Error

**2. CALIBRATION**

K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
G = Grounded  
E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
446S = 446 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
TITN = Titanium  
\* Contact factory for other materials

**5. SHEATH DIAMETER**

062D = 0.062  
125D = 0.125  
188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for other diameters

**6. SENSOR LENGTH**

(Dim A)  
(In Inches xxx.xx)

**7. TERMINATION**

B = Bare Wire, Last .5 inches Stripped

**9. LEAD WIRE INSULATION**

AT = Teflon (450°F) inside Armor  
AG = Fiberglass (900°F) inside Armor  
AK = Kapton/Kapton (450°F) inside Armor  
PAT = Teflon inside Black PVC Jacketed Armor  
PAG = Fiberglass inside Black PVC Jacketed Armor  
TAT = Teflon inside White Teflon Jacketed Armor  
TAG = Fiberglass inside White Teflon Jacketed Armor

**8. LEAD WIRE AND ARMOR LENGTH**

(Dim L)  
(In Inches xxx.xx)

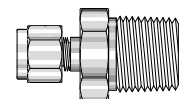
**12. OPTIONS**

X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS



**11. SELF GRIPPING SPRING**

X = NONE  
SG = SELF GRIPPING SPRING

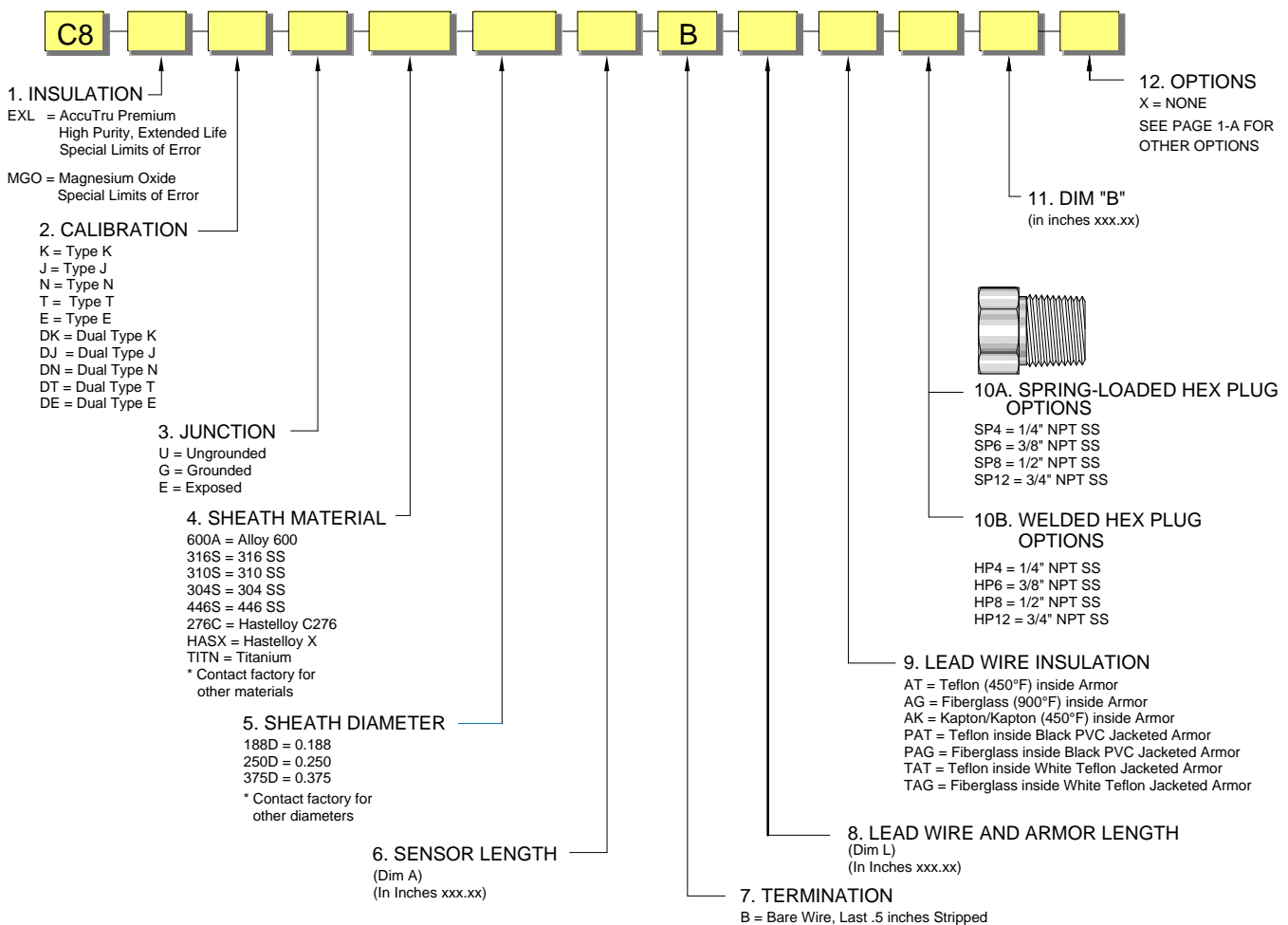
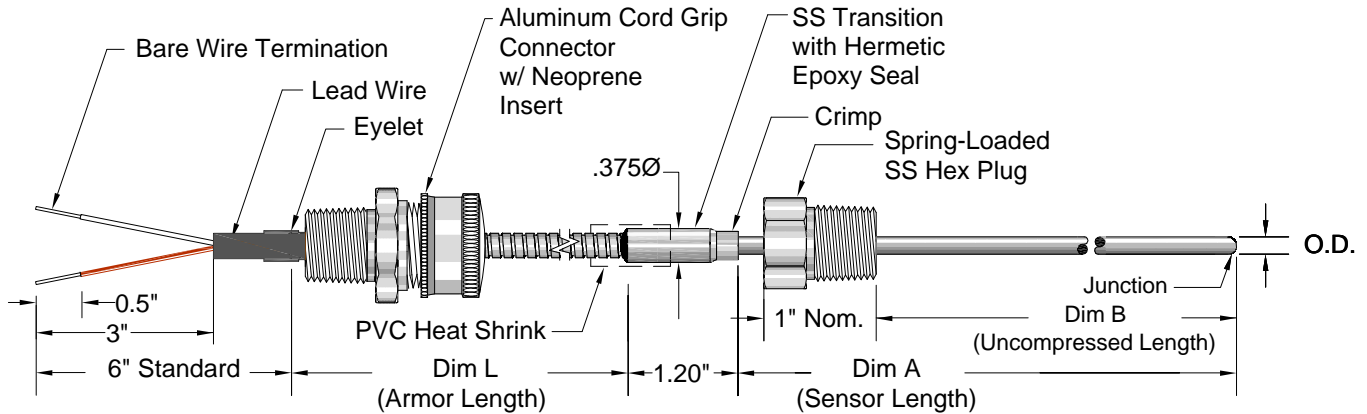


**10. COMPRESSION FITTINGS**

X = NONE  
C1 = 1/16" NPT SS  
C2 = 1/8" NPT SS  
C4 = 1/4" NPT SS  
C6 = 3/8" NPT SS  
C8 = 1/2" NPT SS  
C12 = 3/4" NPT SS

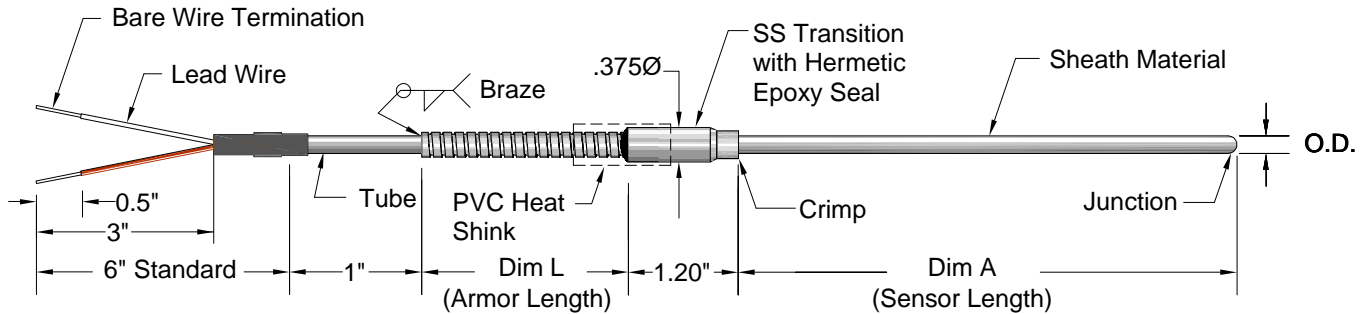
# MODEL C8

# SS Flex Armor Thermocouple w/ Cord Grip Connector and Spring Loaded Hex Plug



MODEL C9

SS Flex Armor Thermocouple w/ SS Tube Connection



1. INSULATION

- EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error
- MGO = Magnesium Oxide Special Limits of Error

2. CALIBRATION

- K = Type K
- J = Type J
- N = Type N
- T = Type T
- E = Type E
- DK = Dual Type K
- DJ = Dual Type J
- DN = Dual Type N
- DT = Dual Type T
- DE = Dual Type E

3. JUNCTION

- U = Ungrounded
- G = Grounded
- E = Exposed

4. SHEATH MATERIAL

- 600A = Alloy 600
- 316S = 316 SS
- 310S = 310 SS
- 304S = 304 SS
- 446S = 446 SS
- 276C = Hastelloy C276
- HASX = Hastelloy X
- TITN = Titanium
- \* Contact factory for other materials

5. SHEATH DIAMETER

- 188D = 0.188
- 250D = 0.250
- 375D = 0.375
- \* Contact factory for other diameters

6. SENSOR LENGTH

(Dim A)  
(In Inches xxx.xx)

7. TERMINATION

B = Bare Wire, Last .5 inches Stripped

9. LEAD WIRE INSULATION

- AT = Teflon (450°F) inside Armor
- AG = Fiberglass (900°F) inside Armor
- AK = Kapton/Kapton (450°F) inside Armor
- PAT = Teflon inside Black PVC Jacketed Armor
- PAG = Fiberglass inside Black PVC Jacketed Armor
- TAT = Teflon inside White Teflon Jacketed Armor
- TAG = Fiberglass inside White Teflon Jacketed Armor

8. LEAD WIRE AND ARMOR LENGTH

(Dim L)  
(In Inches xxx.xx)

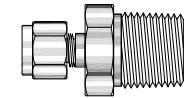
12. OPTIONS

- X = NONE
- SEE PAGE 1-A FOR OTHER OPTIONS



11. SELF GRIPPING SPRING

- X = NONE
- SG = SELF GRIPPING SPRING

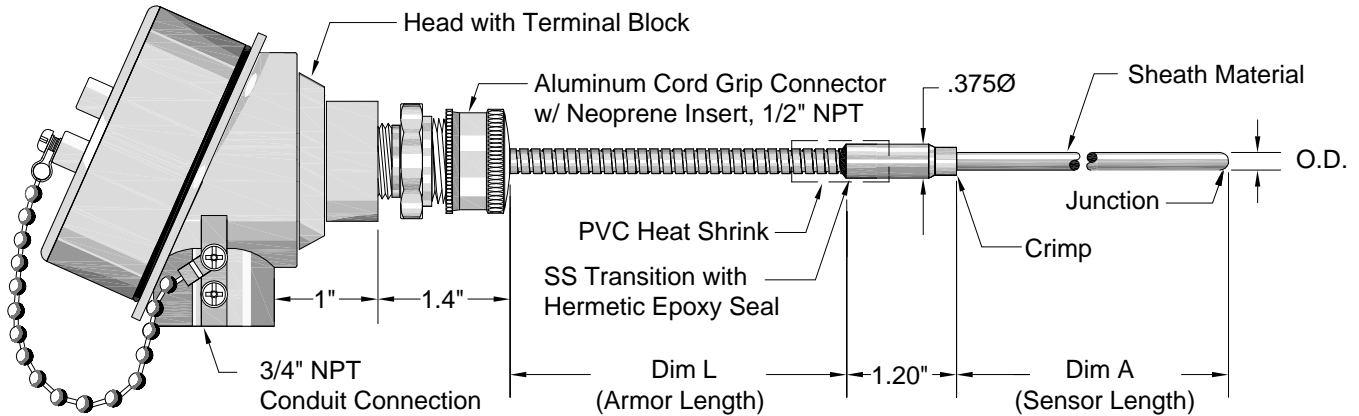


10. COMPRESSION FITTINGS

- X = NONE
- C1 = 1/16" NPT SS
- C2 = 1/8" NPT SS
- C4 = 1/4" NPT SS
- C6 = 3/8" NPT SS
- C8 = 1/2" NPT SS
- C12 = 3/4" NPT SS

## MODEL C10

## SS Flex Armor Thermocouple w/ Head



### 1. INSULATION

EXL = AccuTru Premium  
High Purity, Extended Life  
Special Limits of Error

MGO = Magnesium Oxide  
Special Limits of Error

### 2. CALIBRATION

K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E

### 3. JUNCTION

U = Ungrounded  
G = Grounded  
E = Exposed

### 4. SHEATH MATERIAL

600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
446S = 446 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
TITN = Titanium  
\* Contact factory for  
other materials

### 5. SHEATH DIAMETER

062D = 0.062  
125D = 0.125  
188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for  
other diameters

### 6. SENSOR LENGTH

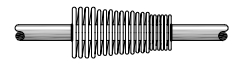
(Dim A)  
(In Inches xxx.xx)

### 7. HEAD TYPE

See Page 1-B for Head Options (A1G shown above as an example)  
All Heads include a 3/4" NPT Conduit Connection, for 1/2" NPT Conduit Connection  
add Code C901 to end of part number .

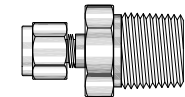
### 12. OPTIONS

X = NONE  
SEE PAGE 1-A FOR  
OTHER OPTIONS



### 11. SELF GRIPPING SPRING

X = NONE  
SG = SELF GRIPPING SPRING



### 10. COMPRESSION FITTINGS

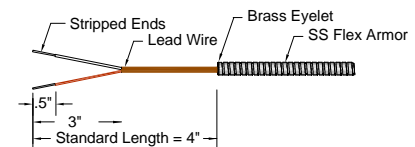
X = NONE  
C1 = 1/16" NPT SS  
C2 = 1/8" NPT SS  
C4 = 1/4" NPT SS  
C6 = 3/8" NPT SS  
C8 = 1/2" NPT SS  
C12 = 3/4" NPT SS

### 9. LEAD WIRE INSULATION

AT = Teflon (450°F) inside Armor  
AG = Fiberglass (900°F) inside Armor  
AK = Kapton/Kapton (450°F) inside Armor  
PAT = Teflon inside Black PVC Jacketed Armor  
PAG = Fiberglass inside Black PVC Jacketed Armor  
TAT = Teflon inside White Teflon Jacketed Armor  
TAG = Fiberglass inside White Teflon Jacketed Armor

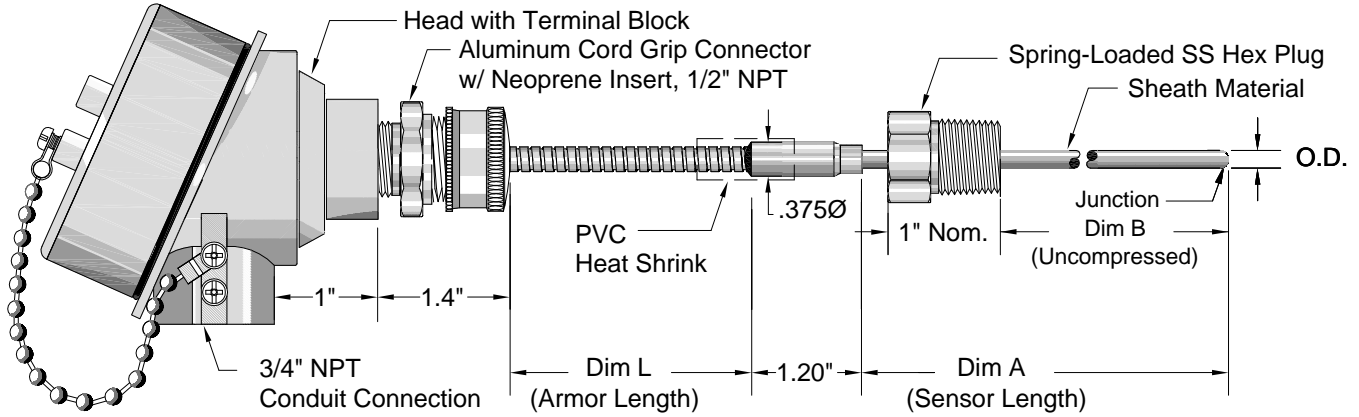
### 8. LEAD WIRE LENGTH AND ARMOR LENGTH

(Dim L)  
(In Inches xxx.xx)



## MODEL C11

## SS Flex Thermocouples w/ Spring Loaded Hex Plug



**1. INSULATION**

EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error

MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

K = Type K  
 J = Type J  
 N = Type N  
 T = Type T  
 E = Type E  
 DK = Dual Type K  
 DJ = Dual Type J  
 DN = Dual Type N  
 DT = Dual Type T  
 DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
 G = Grounded  
 E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
 316S = 316 SS  
 310S = 310 SS  
 304S = 304 SS  
 446S = 446 SS  
 276C = Hastelloy C276  
 HASX = Hastelloy X  
 TITN = Titanium  
 \* Contact factory for other materials

**5. SHEATH DIAMETER**

062D = 0.062  
 125D = 0.125  
 188D = 0.188  
 250D = 0.250  
 375D = 0.375

\* Contact factory for other diameters

**6. SENSOR LENGTH**

(Dim A)  
 (In Inches xxx.xx)

**7. HEAD TYPE**

See Page 1-B for Head Options (A1G shown above as an example)  
 All Heads include a 3/4" NPT Conduit Connection, for 1/2" NPT Conduit Connection add Code 9 to field 12.

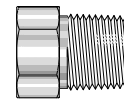
**8. LEAD WIRE LENGTH AND ARMOR LENGTH**

(Dim L)  
 (In Inches xxx.xx)

**9. LEAD WIRE INSULATION**

AT = Teflon (450°F) inside Armor  
 AG = Fiberglass (900°F) inside Armor  
 AK = Kapton/Kapton (450°F) inside Armor  
 PAT = Teflon inside Black PVC Jacketed Armor  
 PAG = Fiberglass inside Black PVC Jacketed Armor  
 TAT = Teflon inside White Teflon Jacketed Armor  
 TAG = Fiberglass inside White Teflon Jacketed Armor

**11. DIM "B"**  
 (in inches xxx.xx)



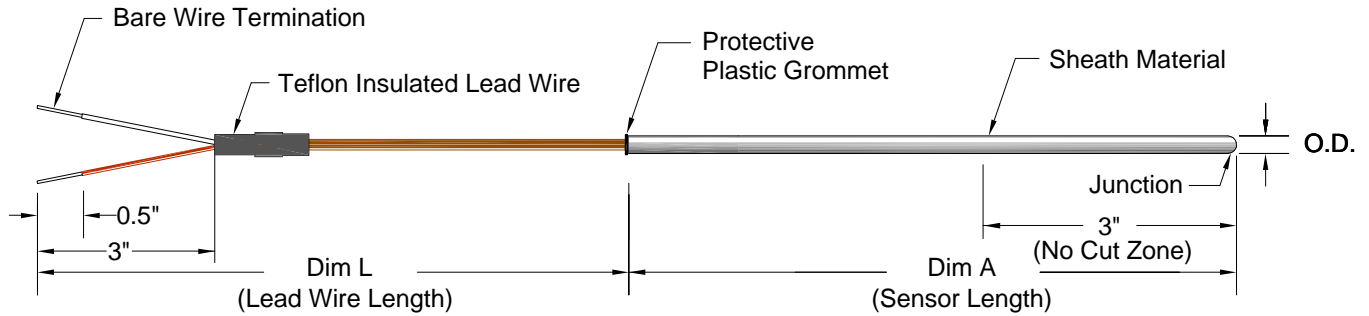
**10. SPRING-LOADED HEX PLUG OPTIONS**

SP4 = 1/4" NPT SS  
 SP6 = 3/8" NPT SS  
 SP8 = 1/2" NPT SS  
 SP12 = 3/4" NPT SS

**12. OPTIONS**  
 X = NONE  
 SEE PAGE 1-A FOR OTHER OPTIONS

# MODEL D1

# Cut-to-Length Thermocouples



**1. INSULATION**

- EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error
- MGO = Magnesium Oxide Special Limits of Error

**2. CALIBRATION**

- K = Type K
- J = Type J
- N = Type N
- T = Type T
- E = Type E
- DK = Dual Type K
- DJ = Dual Type J
- DN = Dual Type N
- DT = Dual Type T
- DE = Dual Type E

**3. JUNCTION**

- U = Ungrounded
- G = Grounded

**4. SHEATH MATERIAL**

- 600A = Alloy 600
- 316S = 316 SS
- 310S = 310 SS
- 304S = 304 SS
- 446S = 446 SS
- 276C = Hastelloy C276
- HASX = Hastelloy X
- TITN = Titanium
- \* Contact factory for other materials

**5. SHEATH DIAMETER**

- 250D = 0.250
- 375D = 0.375
- \* Contact factory for other diameters

**6. SENSOR LENGTH**

- (Dim A)
- (In Inches xxx.xx)

**7. TERMINATION**

- B = Bare Wire, Last .5 inches Stripped

**8. LEAD WIRE LENGTH**

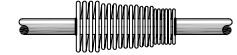
- (Dim L)
- (In Inches xxx.xx)

**9. LEAD WIRE INSULATION**

- T = Teflon
- G = Fiberglass

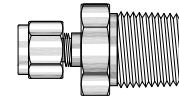
**10. COMPRESSION FITTINGS**

- X = NONE
- C1 = 1/16" NPT SS
- C2 = 1/8" NPT SS
- C4 = 1/4" NPT SS
- C6 = 3/8" NPT SS
- C8 = 1/2" NPT SS
- C12 = 3/4" NPT SS



**11. SELF GRIPPING SPRING**

- X = NONE
- SG = SELF GRIPPING SPRING



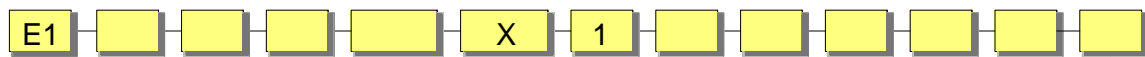
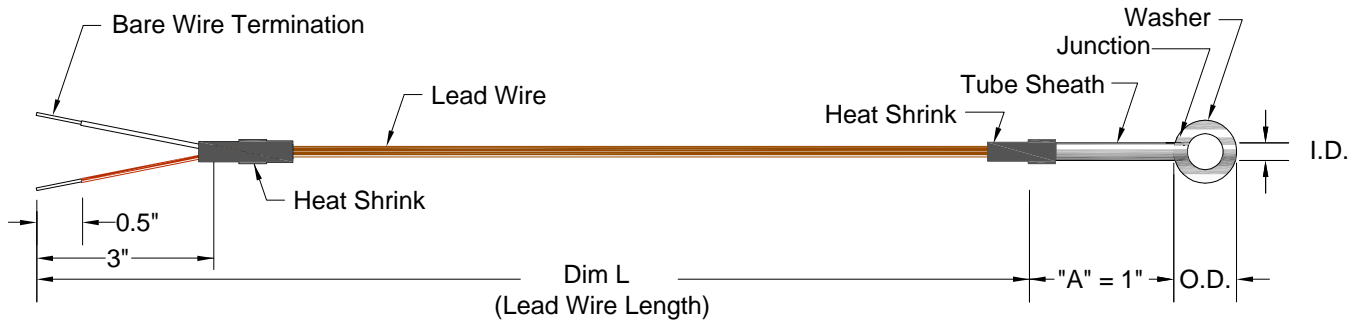
**12. OPTIONS**

- X = NONE
- SEE PAGE 1-A FOR OTHER OPTIONS

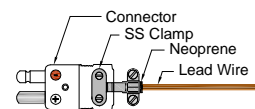


# MODEL E1

# Washer Thermocouple w/ Lead Wire



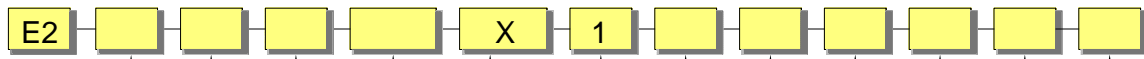
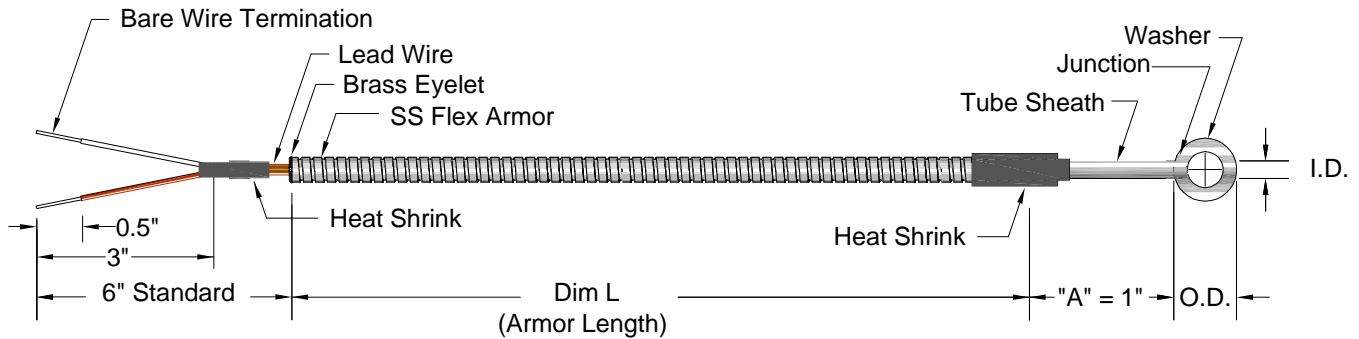
- 1. INSULATION**  
 EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
 MGO = Magnesium Oxide Special Limits of Error
- 2. CALIBRATION**  
 K = Type K  
 J = Type J  
 N = Type N  
 T = Type T  
 E = Type E  
 DK = Dual Type K  
 DJ = Dual Type J  
 DN = Dual Type N  
 DT = Dual Type T  
 DE = Dual Type E
- 3. JUNCTION**  
 U = Ungrounded  
 G = Grounded  
 E = Exposed
- 4. SHEATH MATERIAL**  
 600A = Alloy 600  
 316S = 316 SS  
 \* Contact factory for other materials
- 5. Not Required**  
 Skip to Step 6
- 6. TUBE LENGTH**  
 (Dim A = 1", standard)  
 \* Contact factory for other lengths
- 7. TERMINATION**  
 B = Bare Wire, Last .5 inches Stripped (Shown Above)  
 M = Standard Male Plug-Solid Pin (350°F) (Shown Below)  
 F = Standard Female Jack (350°F)  
 N = Mini Male Plug (350°F)  
 G = Mini Female Jack (350°F)  
 H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
 K = Std High Temp Female Jack (550°F, Brown Case)  
 Q = Ultra Temp Male Plug-Solid Pin (800°F)  
 U = Ultra Temp Female Jack (800°F)  
 L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
 P = Ultra High Temp Ceramic Female Jack (1200°F)  
 If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F
- 8. LEAD WIRE LENGTH**  
 (Dim L)  
 (In Inches xxx.xx)
- 9. LEAD WIRE INSULATION**  
 T = Teflon (450°F)  
 G = Fiberglass (900°F)  
 K = Kapton/Kapton (450°F)  
 BT = SS Overbraid over Teflon  
 BG = SS Overbraid over Fiberglass  
 \* All Lead Wire is Solid, 20 AWG, Special Limits  
 For Stranded Wire add "F" to Code, Example: TF
- 10. Washer Dimensions**  
 O.D. x I.D. x Thickness(Inches)  
 (Example 5/8" O.D. x 1/4" I.D. x 1/8" Thick)  
 For Bolt Down Specify Bolt Size:  
 #6, #8, #10, #12, 1/4", 5/16", 3/8"
- 11. WASHER MATERIAL**  
 600A = Alloy 600  
 316S = 316 SS  
 \* Contact factory for other materials
- 12. OPTIONS**  
 X = NONE  
 SEE PAGE 1-A FOR OTHER OPTIONS



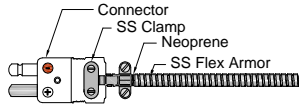
Optional Connector

# MODEL E2

# Washer Thermocouples SS Flex Armor



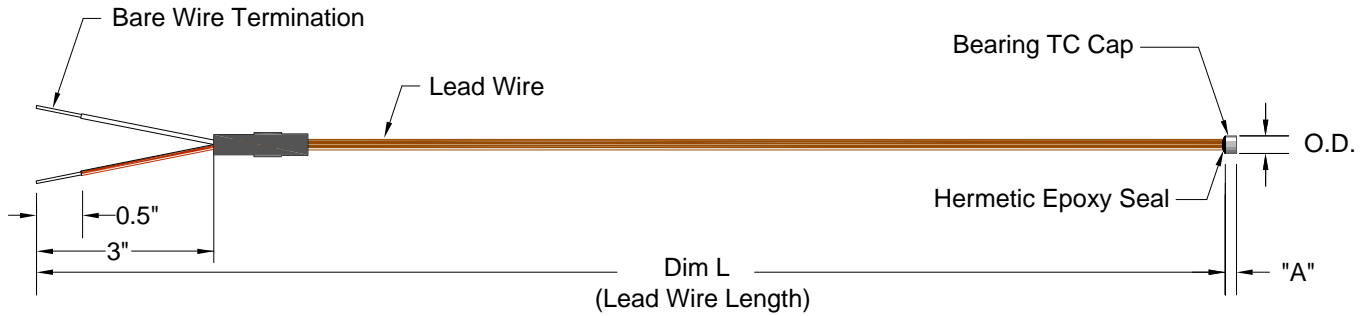
- 1. INSULATION**  
EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
MGO = Magnesium Oxide Special Limits of Error
- 2. CALIBRATION**  
K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E
- 3. JUNCTION**  
U = Ungrounded  
G = Grounded  
E = Exposed
- 4. SHEATH MATERIAL**  
600A = Alloy 600  
316S = 316 SS  
\* Contact factory for other materials
- 5. Not Required**  
Skip to Step 6
- 6. TUBE LENGTH**  
(Dim A = 1", standard)  
\* Contact factory for other lengths
- 7. TERMINATION**  
B = Bare Wire, Last .5 inches Stripped (Shown Above)  
M = Standard Male Plug-Solid Pin (350°F) (Shown Below)  
F = Standard Female Jack (350°F)  
N = Mini Male Plug (350°F)  
G = Mini Female Jack (350°F)  
H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
K = Std High Temp Female Jack (550°F, Brown Case)  
Q = Ultra Temp Male Plug-Solid Pin (800°F)  
U = Ultra Temp Female Jack (800°F)  
L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
P = Ultra High Temp Ceramic Female Jack (1200°F)  
If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F
- 8. LEAD WIRE AND ARMOR LENGTH**  
(Dim L)  
(In Inches xxx.xx)
- 9. LEAD WIRE INSULATION**  
AT = Teflon (450°F) inside Armor  
AG = Fiberglass (900°F) inside Armor  
AK = Kapton/Kapton (450°F) inside Armor  
PAT = Teflon inside Black PVC Jacketed Armor  
PAG = Fiberglass inside Black PVC Jacketed Armor  
TAT = Teflon inside White Teflon Jacketed Armor  
TAG = Fiberglass inside White Teflon Jacketed Armor  
\* All Lead Wire is Solid, 20 AWG, Special Limits  
For Stranded Wire add "F" to Code, Example: TF
- 10. Washer Dimensions**  
O.D. x I.D. X Thickness(Inches)  
(Example 5/8" O.D. x 1/4" I.D. x 1/8" Thick)  
For Bolt Down Specify Bolt Size:  
#6, #8, #10, #12, 1/4", 5/16", 3/8"
- 11. WASHER MATERIAL**  
600A = Alloy 600  
316S = 316 SS  
\* Contact factory for other materials
- 12. OPTIONS**  
X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS



Optional Connector

# MODEL F1

# Bearing Thermocouple w/ Lead Wire



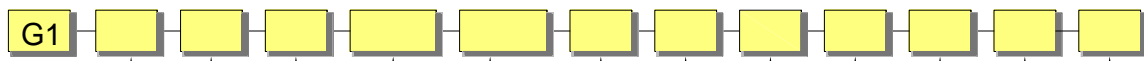
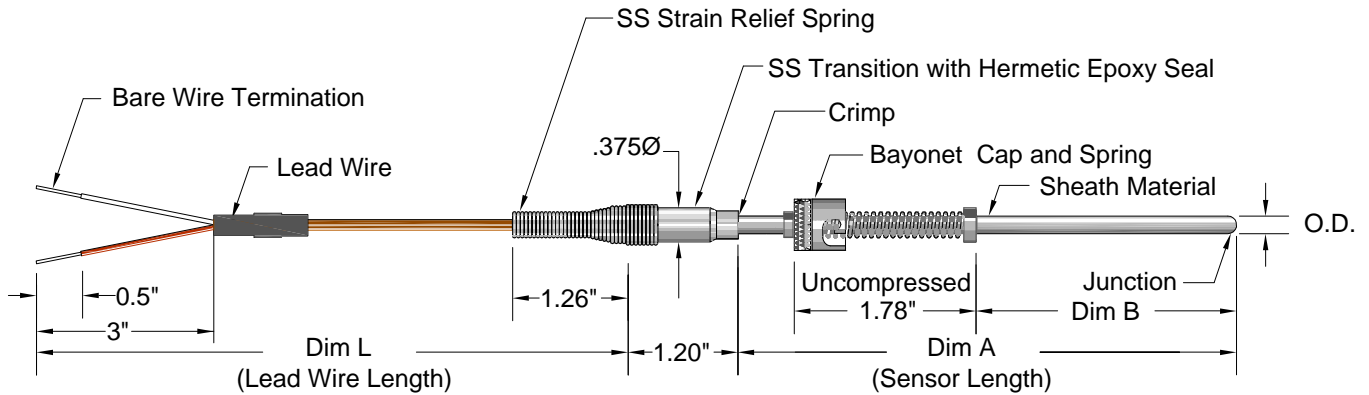
**F1**

- 1. INSULATION**  
 EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
 MGO = Magnesium Oxide Special Limits of Error
- 2. CALIBRATION**  
 K = Type K  
 J = Type J  
 N = Type N  
 T = Type T  
 E = Type E
- 3. JUNCTION**  
 G = Grounded  
 U = Ungrounded
- 4. CAP MATERIAL**  
 SS = Stainless Steel  
 TPCA = Tin Plated Copper Alloy  
 \* Contact factory for other materials
- 5. CAP DIAMETER**  
 125D = 0.125" (3.2mm)  
 188D = 0.188" (4.8mm)  
 250D = 0.250" (6.4mm)  
 275D = 0.275" (7.0mm)  
 \* Contact factory for other diameters
- 6. CAP LENGTH (Dim A)**  
 (In Inches xxx.xx)  
 250 = 0.250" (For .188 and .250" Diameters)  
 300 = 0.300" (For .125 Diameter)  
 \* Contact factory for other lengths
- 7. TERMINATION**  
 B = Bare Wire, Last .5 inches Stripped (Shown Above)  
 M = Standard Male Plug-Solid Pin (350°F) (Shown Below)  
 F = Standard Female Jack (350°F)  
 N = Mini Male Plug (350°F)  
 G = Mini Female Jack (350°F)  
 H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
 K = Std High Temp Female Jack (550°F, Brown Case)  
 Q = Ultra Temp Male Plug-Solid Pin (800°F)  
 U = Ultra Temp Female Jack (800°F)  
 L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
 P = Ultra High Temp Ceramic Female Jack (1200°F)  
 If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F
- 8. LEAD WIRE LENGTH (Dim L)**  
 (In Inches xxx.xx)
- 9. LEAD WIRE INSULATION**  
 T = Teflon (450°F)  
 BT = SS Overbraid over Teflon (450°F)
- 10. LEAD WIRE GAUGE**  
 24 = 24 AWG  
 \* All Lead Wire is Stranded 24 AWG  
 Contact Factory for Other Wire Gauges and Dual Thermocouples
- 11. OPTIONS**  
 X = NONE  
 RRS = SS Retaining Ring and Spring  
 Used with Cap 188DBT Only
- 12. OPTIONS**  
 X = NONE  
 SEE PAGE 1-A FOR OTHER OPTIONS

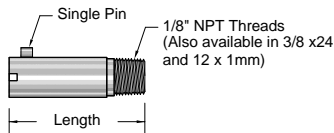
**Optional Connector**

## MODEL G1

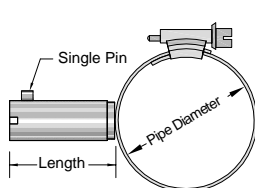
## Bayonet Thermocouple w/ Lead Wire



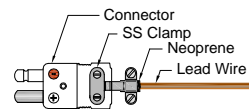
1. INSULATION  
EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error  
MGO = Magnesium Oxide Special Limits of Error
2. CALIBRATION  
K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E
3. JUNCTION  
U = Ungrounded  
G = Grounded  
E = Exposed
4. SHEATH MATERIAL  
600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
\* Contact factory for other materials
5. SHEATH DIAMETER  
188D = 0.188  
125D = 0.125  
\* Contact factory for other diameters
6. SENSOR LENGTH (Dim A)  
(In Inches xxx.xx)
7. TERMINATION  
B = Bare Wire, Last .5 inches Stripped (Shown Above)  
M = Standard Male Plug-Solid Pin (350°F) (Shown Below)  
F = Standard Female Jack (350°F)  
N = Mini Male Plug (350°F)  
G = Mini Female Jack (350°F)  
H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
K = Std High Temp Female Jack (550°F, Brown Case)  
Q = Ultra Temp Male Plug-Solid Pin (800°F)  
U = Ultra Temp Female Jack (800°F)  
L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
P = Ultra High Temp Ceramic Female Jack (1200°F)  
If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F
8. LEAD WIRE LENGTH (Dim L)  
(In Inches xxx.xx)
9. LEAD WIRE INSULATION  
T = Teflon (450°F)  
G = Fiberglass (900°F)  
K = Kapton/Kapton (450°F)  
BT = SS Overbraid over Teflon  
BG = SS Overbraid over Fiberglass  
TBT = Teflon Over SS Overbraid over Teflon  
TGT = Teflon Over SS Overbraid over Fiberglass
10. 1/8" NPT BAYONET ADAPTOR (NICKEL PLATED)  
X = None  
.875 = x 7/8" Lng  
1.00 = x 1" Lng  
1.25 = x 1-1/4" Lng  
2.00 = x 2" Lng  
\* Contact Factory for other sizes, lengths thread types, and platings
11. DIM "B"  
(in inches xxx.xx)
12. OPTIONS  
X = NONE  
SEE PAGE 1-A FOR OTHER OPTIONS



Optional Bayonet Adaptor  
(See field 10 for options)



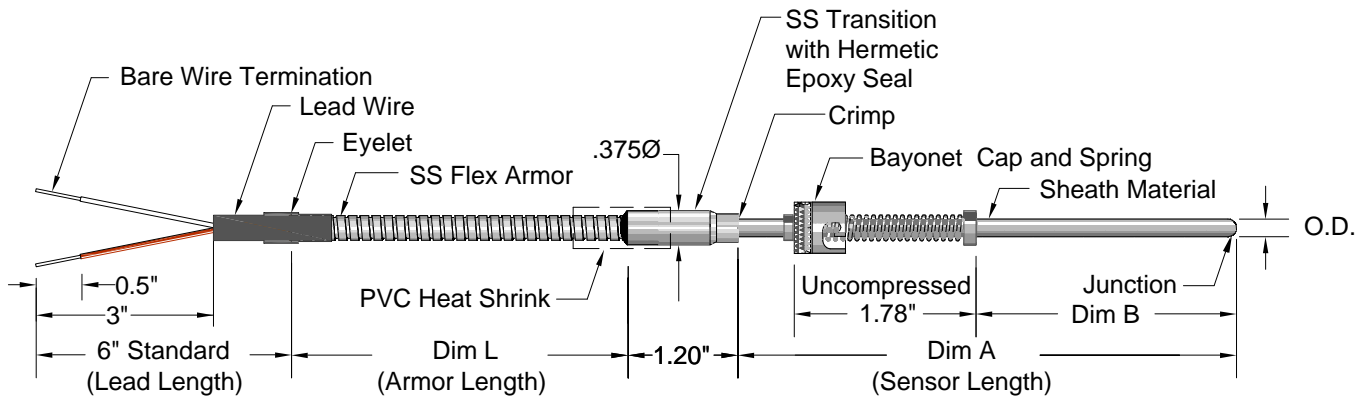
Optional Bayonet Adaptor w/ SS Hose Clamp  
(To add hose clamp add "HC" and pipe diameter to Bayonet Part Number: Ex. BA2-2LG-HC 2" DIA.)



Optional Connector

# MODEL G2

# Bayonet Thermocouple w/ SS Flex Armor



**1. INSULATION**

EXL = AccuTru Premium  
High Purity, Extended Life  
Special Limits of Error  
MGO = Magnesium Oxide  
Special Limits of Error

**2. CALIBRATION**

K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
G = Grounded  
E = Exposed

**4. SHEATH MATERIAL**

600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
\* Contact factory for  
other materials

**5. SHEATH DIAMETER**

188D = 0.188  
125D = 0.125  
\* Contact factory for  
other diameters

**6. SENSOR LENGTH**

(Dim A)  
(In Inches xxx.xx)

**7. TERMINATION**

B = Bare Wire, Last .5 inches Stripped (Shown Above)  
M = Standard Male Plug-Solid Pin (350°F) (Shown Below)  
F = Standard Female Jack (350°F)  
N = Mini Male Plug (350°F)  
G = Mini Female Jack (350°F)  
H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
K = Std High Temp Female Jack (550°F, Brown Case)  
Q = Ultra Temp Male Plug-Solid Pin (800°F)  
U = Ultra Temp Female Jack (800°F)  
L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
P = Ultra High Temp Ceramic Female Jack (1200°F)  
If mating connector required, use both codes, with first representing  
the sensor termination. e.g., M/F

**9. LEAD WIRE INSULATION**

AT = Teflon (450°F) inside Armor  
AG = Fiberglass (900°F) inside Armor  
AK = Kapton/Kapton (450°F) inside Armor  
PAT = Teflon inside Black PVC Jacketed Armor  
PAG = Fiberglass inside Black PVC Jacketed Armor  
TAT = Teflon inside White Teflon Jacketed Armor  
TAG = Fiberglass inside White Teflon Jacketed Armor  
\* All Lead Wire is Solid, 20 AWG, Special Limits  
For Stranded Wire add "F" to Code, Example: TF

**8. LEAD WIRE AND ARMOR LENGTH**

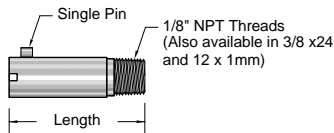
(Dim L)  
(In Inches xxx.xx)

**10. 1/8" NPT BAYONET ADAPTOR  
(NICKEL PLATED)**

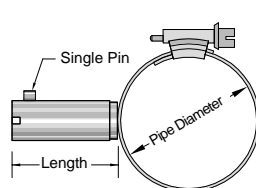
X = None  
.875 = x 7/8" Lng  
1.00 = x 1" Lng  
1.25 = x 1-1/4" Lng  
2.00 = x 2" Lng  
\* Contact Factory for other sizes, lengths  
thread types, and platings

**12. OPTIONS**  
X = NONE  
SEE PAGE 1-A FOR  
OTHER OPTIONS

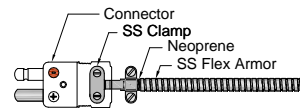
**11. DIM "B"**  
(In Inches xxx.xx)



Optional Bayonet Adaptor  
(See field 10 for options)



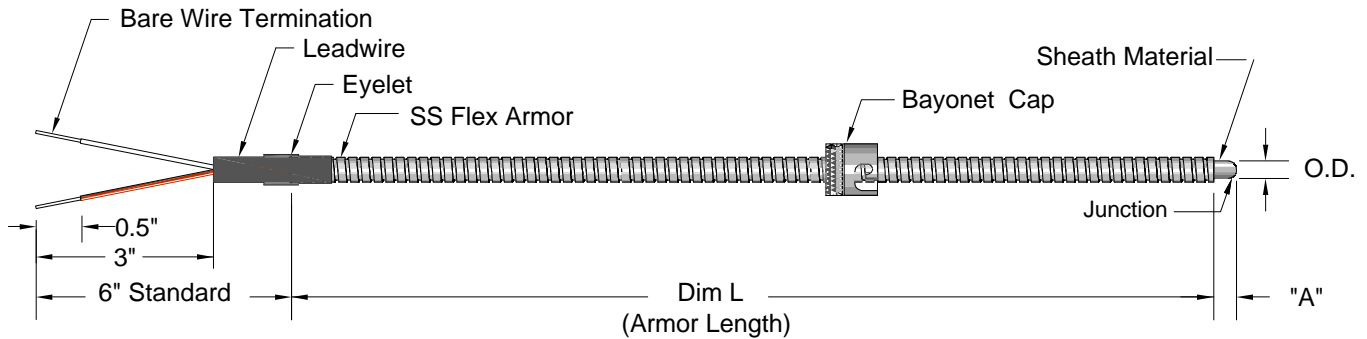
Optional Bayonet Adaptor w/ SS Hose Clamp  
(For hose clamp add "HC" and pipe diameter  
to Bayonet Part Number: Ex. BA2-2LG-HC 2" DIA.)



Optional Connector

# MODEL G3

# Bayonet Thermocouple w/ SS Flex Armor and Button Tip



<p><b>1. INSULATION</b>                  EXL = AccuTru Premium High Purity, Extended Life Special Limits of Error                  MGO = Magnesium Oxide Special Limits of Error</p> <p><b>2. CALIBRATION</b>                  K = Type K                  J = Type J                  N = Type N                  T = Type T                  E = Type E                  DK = Dual Type K                  DJ = Dual Type J                  DN = Dual Type N                  DT = Dual Type T                  DE = Dual Type E</p> <p><b>3. JUNCTION</b>                  U = Ungrounded                  G = Grounded</p> <p><b>4. SHEATH MATERIAL</b>                  600A = Alloy 600                  316S = 316 SS                  310S = 310 SS                  * Contact factory for other materials</p> <p><b>5. SHEATH DIAMETER</b>                  188D = 0.188                  125D = 0.125                  * Contact factory for other diameters</p> <p><b>6. SENSOR LENGTH</b>                  (Dim A)                  (In Inches xxx.xx)</p>	<p><b>7. TERMINATION</b>                  B = Bare Wire, Last .5 inches Stripped (Shown Above)                  M = Standard Male Plug-Solid Pin (350°F) (Shown Below)                  F = Standard Female Jack (350°F)                  N = Mini Male Plug (350°F)                  G = Mini Female Jack (350°F)                  H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)                  K = Std High Temp Female Jack (550°F, Brown Case)                  Q = Ultra Temp Male Plug-Solid Pin (800°F)                  U = Ultra Temp Female Jack (800°F)                  L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)                  P = Ultra High Temp Ceramic Female Jack (1200°F)                  If mating connector required, use both codes, with first representing the sensor termination. e.g., M/F</p>	<p><b>8. LEAD WIRE AND ARMOR LENGTH</b>                  (Dim L)                  (In Inches xxx.xx)</p> <p><b>9. LEAD WIRE INSULATION</b>                  AT = Teflon (450°F) inside Armor                  AG = Fiberglass (900°F) inside Armor                  AK = Kapton/Kapton (450°F) inside Armor                  PAT = Teflon inside Black PVC Jacketed Armor                  PAG = Fiberglass inside Black PVC Jacketed Armor                  TAT = Teflon inside White Teflon Jacketed Armor                  TAG = Fiberglass inside White Teflon Jacketed Armor                  * All Lead Wire is Solid, 20 AWG, Special Limits                  For Stranded Wire add "F" to Code, Example: TF</p> <p><b>10. 1/8" NPT BAYONET ADAPTOR (NICKEL PLATED)</b>                  X = None                  .875 = x 7/8" Lng                  1.00 = x 1" Lng                  1.25 = x 1-1/4" Lng                  2.00 = x 2" Lng                  * Contact Factory for other sizes, lengths thread types, and platings</p> <p><b>11. NOT REQUIRED</b></p> <p><b>12. OPTIONS</b>                  X = NONE                  SEE PAGE 1-A FOR OTHER OPTIONS</p>
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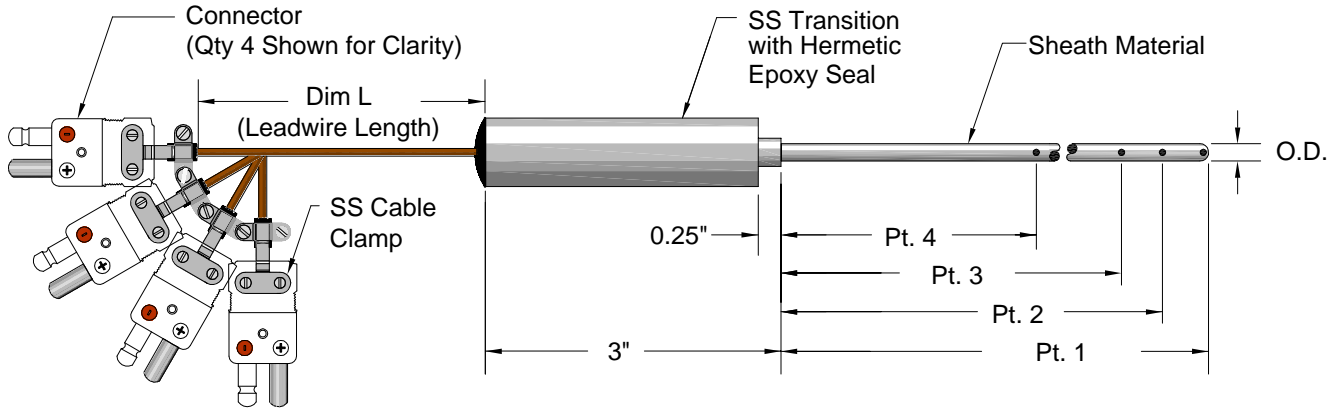
Optional Bayonet Adaptor  
(See field 10 for options)

Optional Bayonet Adaptor w/ SS Hose Clamp  
(For hose clamp add "HC" and pipe diameter to Bayonet Part Number: Ex. BA2-2LG-HC 2" DIA.)

Optional Connector

# MODEL H1

# Multipoint Thermocouple



**1. INSULATION**

EXL = AccuTru Premium  
High Purity, Extended Life  
Special Limits of Error  
MGO = Magnesium Oxide  
Special Limits of Error

**2. CALIBRATION**

K = Type K  
J = Type J  
N = Type N  
T = Type T  
E = Type E  
DK = Dual Type K  
DJ = Dual Type J  
DN = Dual Type N  
DT = Dual Type T  
DE = Dual Type E

**3. JUNCTION**

U = Ungrounded  
G = Grounded Junction  
E = Exposed

**4. OUTER SHEATH MATERIAL**

600A = Alloy 600  
316S = 316 SS  
310S = 310 SS  
304S = 304 SS  
276C = Hastelloy C276  
HASX = Hastelloy X  
\* Contact factory for  
other materials

**5. SHEATH DIAMETER**

062D = 0.062  
125D = 0.125  
188D = 0.188  
250D = 0.250  
375D = 0.375  
\* Contact factory for  
other diameters

**6. SENSOR LENGTH**

(Dim A)  
(In Inches xxx.xx)

**Notes:**

1. Specify Points as Needed
2. If Point 1 not at Tip then  
Specify Sheath Length
3. This page intended as a guide only

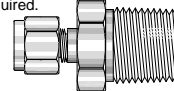
**12. OPTIONS**

X = NONE  
SEE PAGE 1-A FOR  
OTHER OPTIONS

**11. NUMBER OF POINTS  
AND LOCATION**

Example: PT1=64", PT2=52"

\* Contact factory if less or more than 4 points  
are required.



**10. COMPRESSION FITTINGS**

X = NONE  
C1 = 1/16" NPT SS  
C2 = 1/8" NPT SS  
C4 = 1/4" NPT SS  
C6 = 3/8" NPT SS  
C8 = 1/2" NPT SS  
C12 = 3/4" NPT SS

**9. LEAD WIRE INSULATION**

T = Teflon (450°F)  
G = Fiberglass (900°F)  
K = Kapton/Kapton (450°F)  
BT = SS Overbraid over Teflon  
BG = SS Overbraid over Fiberglass  
TBT = Teflon Over SS Overbraid over Teflon  
TGT = Teflon Over SS Overbraid over Fiberglass  
\* All Lead Wire is Solid, 20 AWG, Special Limits  
For Stranded Wire add "F" to Code, Example: TF

**8. LEAD WIRE LENGTH**

(Dim L)  
(In Inches xxx.xx)

**7. TERMINATION**

B = Bare Wire, No Plugs or Jacks Required  
M = Standard Male Plug-Solid Pin (350°F)  
F = Standard Female Jack (350°F)  
N = Mini Male Plug (350°F)  
G = Mini Female Jack (350°F)  
H = Std High Temp Male Plug-Solid Pin (550°F, Brown Case)  
K = Std High Temp Female Jack (550°F, Brown Case)  
Q = Ultra Temp Male Plug-Solid Pin (800°F)  
U = Ultra Temp Female Jack (800°F)  
L = Ultra High Temp Ceramic Male Plug-Solid Pin (1200°F)  
P = Ultra High Temp Ceramic Female Jack (1200°F)  
If mating connector required, use both codes, with first representing  
the sensor termination. e.g., M/F

## Section 1 Thermocouple Requirements/Options

### Options Code

NIST Calibration (Customer to Specify Points)	_____	11
90° Bend (Specify "X" and "Y", See Figure 1-A1)	_____	12
Certified Drawing	_____	13
Magnetic Mounts (Contact Factory for size)	_____	15

#### TERMINATION OPTIONS

Open Lugs	_____	21
8 Gauge Lugs	_____	22

#### TRANSITION OPTIONS

In Line Transition (Same OD as Sensor)	_____	31
1/4" OD Transition to replace standard 3/8" OD Transition	_____	32
5/16" OD Transition x 5/8" Long to replace standard	_____	33
High Temperature Epoxy (Rated to 311°F)	_____	34
Ultra High Temperature Epoxy (Rated to 600°F)	_____	35
High Temperature Cement	_____	36
Silver Braze Transition to Sensor to replace Crimp	_____	37

Note: Standard Epoxy Temperature Rating is 266°F

#### LEAD WIRE OPTIONS

24 GAUGE	_____	41
18 GAUGE	_____	42
Standard Limits of Error Wire	_____	43

#### CORD GRIP CONNECTORS

1/2" NPT Aluminum	_____	51
3/4" NPT Aluminum	_____	52

#### CONNECTOR OPTIONS

Hollow Pins on Connector to replace Solid Pins	_____	61
Braze Adaptor to replace Tube Adaptor on Connector	_____	62

#### TAGS

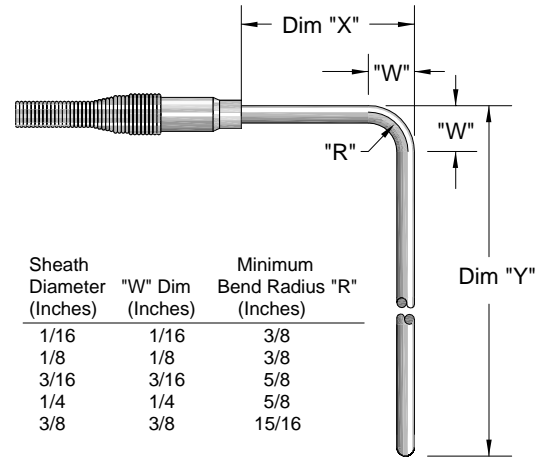
SS Tag to replace Paper Tag	_____	71
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#### FITTINGS

Knurl Nut on Spring Loaded Hex Nipple to replace standard	_____	81
Oil Seal Fitting 1/2" NPT x 1/2" NPT	_____	82
Additional Compression Fitting	_____	83

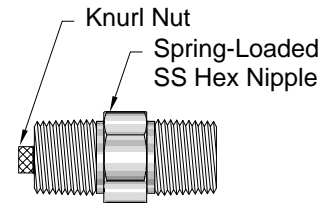
#### HEAD AND TERMINAL BLOCKS

1/2" NPT Conduit Connection	_____	91
3/4" NPT Process Side Connection	_____	92
Bakelite Terminal Block	_____	95
Ground Screw on Head	_____	96



Sheath Diameter (Inches)	"W" Dim (Inches)	Minimum Bend Radius "R" (Inches)
1/16	1/16	3/8
1/8	1/8	3/8
3/16	3/16	5/8
1/4	1/4	5/8
3/8	3/8	15/16

Code 12 90° Bend Option  
Specify "X" and "Y" Dimensions  
Figure 1-A1



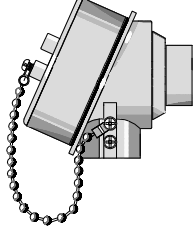
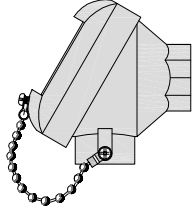
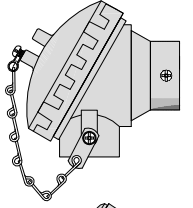
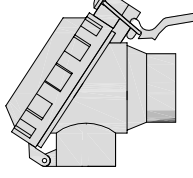
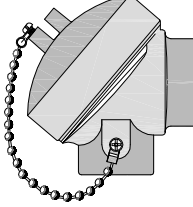
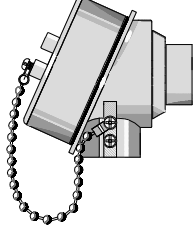
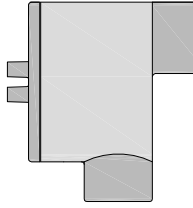
Code 81 Knurl Nut Option on  
Spring Loaded Hex Nipple  
Figure 1-A2



# Section 1

## Thermocouple Head Options

All Head Connections are 1/2" NPT Instrument x 3/4" NPT Conduit

Description	Part Number	Head
<p><b>General Purpose</b>  <b>Screw Cover with SS Chain</b>                      Supplied with ceramic terminal block.                      (Consult Factory for Sensor's over 1/4" OD)</p>	<p>Aluminum ..... A1G                      Stainless Steel ..... S2G</p>	
<p><b>General Purpose NEMA 4X</b>  <b>Screw Cover with SS Chain</b>                      Supplied with ceramic terminal block.</p>	<p>Aluminum ..... A3R                      Cast Iron ..... I3R                      Stainless Steel ..... S3R</p>	
<p><b>General Purpose Economical</b>  <b>Screw Cover with SS Chain</b>                      Supplied with ceramic terminal block.</p>	<p>Aluminum ..... A4G                      Poly/White, FDA Approved ..... P4G                      Nylon/Gray ..... N4G</p>	
<p><b>General Purpose</b>  <b>Clamp Cover</b>                      Supplied with ceramic terminal block.</p>	<p>Aluminum ..... A8G</p>	
<p><b>General Purpose Heavy Duty</b>  <b>Screw Cover with SS Chain</b>                      Supplied with ceramic terminal block.</p>	<p>Aluminum ..... A9G                      Cast Iron ..... I9G                      Cast Iron (Gasket for NEMA 4, Ground Screw) ..... I9H</p>	
<p><b>Explosion Proof - FM/CSA</b>  <b>Class I, Div. 1, Gr. B,C, &amp; D, Class II, Div. 2 Gr. E,F,&amp;G (See Note 1)</b>  <b>Screw Cover with SS Chain</b>                      Supplied with ceramic terminal block. Phenolic Blocks available.</p>	<p>Aluminum, NEMA 4 ..... A1P                      Stainless Steel, NEMA 4X ..... S2X</p>	
<p><b>Large Explosion Proof</b>  <b>Class I, Div. 1, Gr. B,C, &amp; D, Class II, Div. 2 Gr. E,F,&amp;G (See Note 1)</b>  <b>No Chain</b>                      Supplied with phenolic or nylon barrier terminal strip.</p>	<p>Aluminum, NEMA 4 ..... A6E                      Cast Iron Body/ Aluminum Cover, NEMA 4 ..... I6E</p>	

Note 1:  
 In Group "B" Atmospheres, all conduit runs must have a sealing fitting(not supplied) field installed adjacent to the enclosure

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