# MGO Insulated Thermocouples Index

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GENERAL INFORMATION, MgO INSULATED THERMOCOUPLES

Sure Controls utilizes the highest quality MgO (magnesium oxide) insulated metal sheathed cable available in all MgO thermocouples. All cable meets or exceeds all applicable ANSI/ASTM standards. MgO insulated thermocouples have many desirable characteristics (i.e. fast response, compact size, broad temperature range, formability, weldability, durability, accuracy, thermal shock and vibration resistance). These characteristics make the Sure Controls MgO insulated thermocouple an excellent choice for virtually all laboratory or process applications.

The standard MgO insulated thermocouple configuration consists of ANSI/ASTM standard limits of error conductor material and standard (96%) pure insulation. Each catalog page details a variety of other configurations available.

INITIAL CALIBRATION TOLERANCES FOR THERMOCOUPLES

(0°C/32°F REFERENCE JUNCTION)

<table>
<thead>
<tr>
<th>Type</th>
<th>Temperature Range</th>
<th>Tolerances (whichever is greater)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Color</td>
<td>Material</td>
</tr>
<tr>
<td>J</td>
<td>+ Lead</td>
<td>White</td>
</tr>
<tr>
<td></td>
<td>- Lead</td>
<td>Red</td>
</tr>
<tr>
<td>K</td>
<td>+ Lead</td>
<td>Yellow</td>
</tr>
<tr>
<td></td>
<td>- Lead</td>
<td>Red</td>
</tr>
<tr>
<td>E</td>
<td>+ Lead</td>
<td>Purple</td>
</tr>
<tr>
<td></td>
<td>- Lead</td>
<td>Red</td>
</tr>
<tr>
<td>T</td>
<td>+ Lead</td>
<td>Blue</td>
</tr>
<tr>
<td></td>
<td>- Lead</td>
<td>Red</td>
</tr>
</tbody>
</table>

STANDARD SHEATH MATERIALS

<table>
<thead>
<tr>
<th>Type Code</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>899°C (1650°F)</td>
</tr>
<tr>
<td>V</td>
<td>1150°C (2100°F)</td>
</tr>
<tr>
<td>W</td>
<td>899°C (1650°F)</td>
</tr>
<tr>
<td>S</td>
<td>1150°C (2100°F)</td>
</tr>
<tr>
<td>J</td>
<td>1212°C (2150°F)</td>
</tr>
</tbody>
</table>

The following table gives the maximum recommended temperature for each sheath size and material type by thermocouple calibration: (Based on single element types)

<table>
<thead>
<tr>
<th>MgO SHEATH SIZE AND RATING (°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calibration</td>
</tr>
<tr>
<td>J</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>K</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>E</td>
</tr>
<tr>
<td>T</td>
</tr>
</tbody>
</table>
MEASURING JUNCTION TYPES

(G) Grounded

(U) Ungrounded

(E) Exposed

NOTE: All duplex ungrounded and exposed sensors are supplied with two thermocouples isolated from each other as standard. For diameters less than .125 OD, isolated junction must be specified. Consult Sure Controls for availability.

An ungrounded junction is recommended for small diameter thermocouples (.125" OD and under) that are to be used in high temperature applications or that are to undergo temperature calibration.

An ungrounded junction is also recommend if the thermocouple is to be used with a PLC or temperature controller that has non-isolated inputs.
PART NUMBERING EXAMPLES FOR MGO THERMOCOUPLES

MDJ0G-KW12A-00-F060B
MGO - Type "J", Transition Fitting, Grounded, 1/4" Dia. Sheath, 12" Long, 316 SS Material, No Fitting and 5 Ft. of Stranded Fiberglass Wire with SS Overbraid, 2-1/2" Split Leads.

MKE0G-KT24A-2B
MGO - Type "E", Standard Male Plug, Grounded, 1/4" Dia. Sheath, 24" Long, 304 SS Material, Compression Fitting Brass 1/4" NPT.

MTJ0G-KJ06L-56
MGO - Type "J", Snap-Cover, Cast Aluminum, Grounded, 1/4" Dia. Sheath, 6-1/2" Long, Inconel 600 Material, Spring Loaded 1/2 NPT Stainless Steel Hex Nipple Mounting Provision.
THERMOCOUPLE ELEMENTS

SHEATH LENGTH

SHEATH TERMINATION
- A = Stripped bare lead

CALIBRATION
- J = Type "J"
- K = Type "K"
- E = Type "E"
- T = Type "T"

TYPE/OPTION
- 0 = None (Single 2 Wire)
- 1 = Special Limits of Error
- 2 = High Purity (99.4%) Insulation
- 3 = Special Limits & High Purity
- 4 = Duplex Construction (4 Wire)
- 5 = Duplex Special Limits
- 6 = Duplex High Purity Insulation
- 7 = Duplex Special Limits & High Purity

JUNCTION TYPE
- E = Exposed
- G = Grounded, Round Tip
- U = Ungrounded, Round Tip

SHEATH DIAMETER (inch)
- D = .40 (.040)
- E = 1/16 (.063)
- K = 1/4 (.250)
- G = 1/8 (.125)
- N = 3/8 (.375)

STRIP LENGTH
- A = 1/4"
- B = 1/2"
- C = 3/4"
- D = 1"
- E = 2"
- F = 2 1/2"
- G = 3"
- H = 3 1/2"
- I = 4"
- J = 4 1/2"
- K = 5"

SHEATH LENGTH ("A" Fractional)
- A = None
- G = 1/4
- N = 5/8
- B = 1/16
- J = 3/8
- Q = 3/4
- C = 1/8
- L = 1/2
- S = 7/8
- E = 3/16

SHEATH LENGTH ("A")
- Whole Inches: Example 12 = 12"

SHEATH MATERIAL
- J = Inconel 600
- V = 310 SS
- S = 446 SS
- W = 316 SS
- T = 304 SS
# LEADWIRE STYLE THERMOCOUPLES

**STYLE B**

**SHEATH LENGTH**

**"B" LENGTH**

**FIXED BUSHING**

Select loadwire and termination style from page M7

---

### SHEATH TERMINATION

- B = Sheath Style

### CALIBRATION

- J = Type “J”
- K = Type “K”
- E = Type “E”
- T = Type “T”

### TYPE/OPTION

- 0 = None (Single 2 Wire)
- 1 = Special Limits of Error
- 2 = High Purity (99.4%) Insulation
- 3 = Special Limits & High Purity
- 4 = Duplex Construction (4 Wire)
- 5 = Duplex Special Limits
- 6 = Duplex High Purity Insulation
- 7 = Duplex Special Limits & High Purity

### JUNCTION TYPE

- E = Exposed
- G = Grounded, Round Tip
- U = Ungrounded, Round Tip

### SHEATH DIAMETER (Inch)

- D = ---- (.040)
- E = 1/16 (.063)
- G = 1/8 (.125)
- I = 3/16 (.188)
- K = 1/4 (.250)
- N = 3/8 (.375)

### SHEATH MATERIAL

- J = Inconel 600
- S = 446 SS
- T = 304 SS

### SHEATH LENGTH ("A")

Whole Inches: Example 12 = 12"
LEADWIRE STYLE THERMOCOUPLES (CONTINUED)

STYLE B

SHEATH LENGTH

"B" LENGTH

FIXED BUSHING
LEADWIRE STYLE THERMOCOUPLES

STYLE D & E

"C" LENGTH (4 STD)

SHEATH LENGTH

"B" LENGTH

STYLE F & G

SHEATH LENGTH

"B" LENGTH

SHEATH TERMINATION

D = Transition Fitting (200°C)
E = Hi-Temp Transition Fitting (900°C)
F = Transition w/Relief Spring (200°C)
G = Hi-Temp Transition w/Relief Spring (900°C)

CALIBRATION

J = Type "J"
K = Type "K"
E = Type "E"
T = Type "T"

TYPE/OPTION

0 = None (Single 2 Wire)
1 = Special Limits of Error
2 = High Purity (99.4%) Insulation
3 = Special Limits & High Purity
4 = Duplex Construction (4 Wire)
5 = Duplex Special Limits
6 = Duplex High Purity Insulation
7 = Duplex Special Limits & High Purity

JUNCTION TYPE

E = Exposed
G = Grounded, Round Tip
U = Ungrounded, Round Tip

SHEATH DIAMETER (Inch)

D = 0.040
E = 0.063
G = 0.125
I = 0.188
K = 0.250
N = 0.375

SHEATH MATERIAL

J = Inconel 600
S = 446 SS
T = 304 SS
V = 310 SS
W = 316 SS

SHEATH LENGTH (^"A")

Whole Inches: Example 12 = 12"

NOTE: For Teflon Encapsulated Sheath, add "T" to the end of P/N

LEADWIRE TERMINATIONS

A = None
B = 2-1/2" Split Leads
C = 2-1/2" Split Leads w/#8 Spade Lugs
D = 2-1/2" Split Leads w/#8 Spade Lugs & BX Connector
E = 2-1/2" Split Leads w/1/4" Push-on Connectors
J = 2-1/2" Split Leads w/Insulated Crimp Pins
K = Standard Male Plug (200°C)
L = Standard Plug with Mating Jack
M = Standard Female Jack
N = Hi-Temp Male Plug (427°C)
O = Hi-Temp Plug with Mating Jack
P = Hi-Temp Female Jack
Q = Miniature Male Plug (200°C)
R = Miniature Plug Mating Jack
S = Miniature Female Jack

LEADWIRE LENGTH (^"B")

Whole Inches: Example: 048 = 48 Inches

LEADWIRE TYPE

A = Solid Fiberglass (482°C)
B = Solid Fiberglass with SS Flex Armor
C = Solid Fiberglass with SS Overbraid
D = Stranded Fiberglass
E = Stranded Fiberglass with SS Flex Armor
F = Stranded Fiberglass with SS Overbraid
G = Hi-Temp Fiberglass (704°C)
H = Hi-Temp Fiberglass with SS Flex Armor
J = Solid Teflon (200°C)
K = Solid Teflon with SS Flex Armor
M = Stranded Teflon
N = Stranded Teflon with SS Flex Armor
O = Stranded Teflon with SS Overbraid

SHEATH MOUNTING FITTINGS

Select from pages #M-14 & M-15

SHEATH LENGTH (^"A" Fractional)

A = None  E = 3/16  L = 1/2  S = 7/8
B = 1/16  G = 1/4  N = 5/8
C = 1/8  J = 3/8  Q = 3/4

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STANDARD CONNECTOR THERMOCOUPLES

STYLE K
SHEATH LENGTH

STYLE L

STYLE M

SHEATH TERMINATION

K = Standard Male Plug (200°C)
L = Standard Plug with Mating Jack
M = Standard Female Jack
N = Hi-Temp Male Plug (427°C)
O = Hi-Temp Plug with Mating Jack
P = Hi-Temp Female Jack

CALIBRATION

J = Type “J”
K = Type “K”
E = Type “E”
T = Type “T”

TYPE/OPTION

0 = None (Single 2 Wire)
1 = Special Limits of Error
2 = High Purity (99.4%) Insulation
3 = Special Limits & High Purity
4 = Duplex Construction (4 Wire)
5 = Duplex Special Limits
6 = Duplex High Purity Insulation
7 = Duplex Special Limits & High Purity

JUNCTION TYPE

E = Exposed
G = Grounded, Round Tip
U = Ungrounded, Round Tip

SHEATH DIAMETER (Inch)

D = ----- (.040)
E = 1/16 (.063)
G = 1/8 (.125)
I = 3/16 (.188)
K = 1/4 (.250)
N = 3/8 (.375)

SPECIAL OPTIONS

T = Teflon Encapsulated Sheath
S = Solid Pins on Plug

SHEATH MOUNTING FITTINGS

Select from pages #M-14 & M-15
None = 00

SHEATH LENGTH (“A” Fractional)

A = None
B = 1/16
C = 1/8
D = 3/16
E = 1/4
F = 5/8
G = 3/4
H = 7/8

Whole Inches: Example: 012 = 12 Inches

Note: For Sheath lengths over 99 inches, insert a 3 digit length and delete the fractional code.
Example: 144 = 144*

SHEATH MATERIAL

J = Inconel 600
S = 446 SS
T = 304 SS
V = 310 SS
W = 316 SS
MINIATURE CONNECTOR THERMOCOUPLES

**STYLE Q**

SHEATH LENGTH

**STYLE R**

**STYLE S**

SHEATH TERMINATION

Q = Miniature Male Plug (200°C)
R = Miniature Plug with Mating Jack
S = Miniature Female Jack

CALIBRATION

J = Type “J”
K = Type “K”
E = Type “E”
T = Type “T”

TYPE/OPTION

0 = None (Single 2 Wire)
1 = Special Limits of Error
2 = High Purity (99.4%) Insulation
3 = Special Limits & High Purity
4 = Duplex Construction (4 Wire)
5 = Duplex Special Limits
6 = Duplex High Purity Insulation
7 = Duplex Special Limits & High Purity

JUNCTION TYPE

E = Exposed
G = Grounded, Round Tip
U = Ungrounded, Round Tip

SHEATH DIAMETER (Inch)

D = ---- (.040)
E = 1/16 (.063)
G = 1/8 (.125)
I = 3/16 (.188)

SPECIAL OPTIONS

T = Teflon Encapsulated Sheath

SHEATH MOUNTING FITTINGS

Select from pages #M-14 & M-15
None = 00

SHEATH LENGTH (“A” Fractional)

A = None  J = 3/8
B = 1/16   L = 1/2
C = 1/8   N = 5/8
E = 3/16   Q = 3/4
G = 1/4   S = 7/8

SHEATH LENGTH (“A”)

Whole Inches: Example: 012 = 12 Inches

NOTE: For Sheath lengths over 99 inches, insert a 3 digit length and delete the fractional code.
Example: 144 = 144"
SNAP-COVER CONNECTION HEAD THERMOCOUPLES

STYLE T

SHEATH TERMINATION
T = Cast Aluminum
   Weatherproof (200°C)
V = Black Polypropylene
   Weatherproof (90°C)
4 = Din "B" Size Aluminum
   WP (200°C) (T-304)

CALIBRATION
J = Type "J"
K = Type "K"
E = Type "E"
T = Type "T"

TYPE/OPTION
0 = None (Single 2 Wire)
1 = Special Limits of Error
2 = High Purity (99.4%) Insulation
3 = Special Limits & High Purity
4 = Duplex Construction (4 Wire)
5 = Duplex Special Limits
6 = Duplex High Purity Insulation
7 = Duplex Special Limits & High
   Purity

JUNCTION TYPE
E = Exposed
G = Grounded, Round Tip
U = Ungrounded, Round Tip

SHEATH DIAMETER (Inch)
G = 1/8 (.125)
I = 3/16 (.188)
K = 1/4 (.250)
N = 3/8 (.375)

SHEATH MOUNTING FITTINGS
Select from pages #M-14 & M-15
None = 00

SPECIAL OPTIONS
G = Ground Screw
T = Teflon Encapsulated Sheath

SHEATH LENGTH ("A" Fractional)
A = None J = 3/8
B = 1/16 L = 1/2
C = 1/8 N = 5/8
E = 3/16 Q = 3/4
G = 1/4 S = 7/8

SHEATH LENGTH ("A")
Whole Inches: Example: 012 = 12 Inches
NOTE: For Sheath lengths over 99 inches,
insert a 3 digit length and delete
the fractional code.
Example: 144 = 144".

SHEATH MATERIAL
J = Inconel 600
S = 446 SS
T = 304 SS
V = 310 SS
W = 316 SS

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# MISCELLANEOUS COVER CONNECTION HEAD THERMOCOUPLES

## Style W
![Style W Diagram]

### Sheath Termination
- **W** = Explosion Proof (200°C)*
- **X** = Miniature Plastic (177°C)
- **Y** = Miniature Aluminum (200°C)
- **Z** = Plastic Open Disk (200°C)

## Style Y
![Style Y Diagram]

### Special Options
- **T** = Teflon Encapsulated Sheath

## Style X
![Style X Diagram]

### Calibration
- **J** = Type “J”
- **K** = Type “K”
- **E** = Type “E”
- **T** = Type “T”

## Style Z
![Style Z Diagram]

### Type/OPTION
- **0** = None (Single 2 Wire)
- **1** = Special Limits of Error
- **2** = High Purity (99.4%) Insulation
- **3** = Special Limits & High Purity
- **4** = Duplex Construction (4 Wire)
- **5** = Duplex Special Limits
- **6** = Duplex High Purity Insulation
- **7** = Duplex Special Limits & High Purity

### Junction Type
- **E** = Exposed
- **G** = Grounded, Round Tip
- **U** = Ungrounded, Round Tip

* Explosion Proof Head Meets the Following Location Classification:
  - Class I, Groups C & D
  - Class II, Groups E, F, & G
  - Class III, Div. 1 & 2
  - NEMA 7, Groups C & D
  - NEMA 9, Groups E, F, & G

### Sheath Mounting Fittings
- Select from pages #M-14 & M-15
- None = 00

### Sheath Length (“A” Fractional)
- **A** = None
- **B** = 1/16
- **C** = 1/8
- **D** = 3/16
- **E** = 1/4

### Sheath Length (“A”)
- Whole Inches: Example: 012 = 12 Inches
- NOTE: For Sheath lengths over 99 inches, insert a 3 digit length and delete the fractional code.
- Example: 144 = 144*

### Sheath Material
- **J** = Inconel 600
- **S** = 446 SS
- **T** = 304 SS
- **V** = 310 SS
- **W** = 316 SS

### Sheath Diameter (Inch)
- **G** = 1/8 (.125)
- **I** = 3/16 (.188)
- **K** = 1/4 (.250)
- **N** = 3/8 (.375)
SCREW-COVER CONNECTION HEAD THERMOCOUPLES

STYLE 1 & 2
SHEATH TERMINATION
1 = Cast Aluminum Weatherproof (200°C)
2 = Cast Iron Weatherproof (200°C)
3 = Grey Delrin Plastic (135°C)
8 = Stainless Steel Weatherproof (200°C)

SPECIAL OPTIONS
G = Ground Screw
T = Teflon Encapsulated Sheath

SHEATH TERMINATION
Select from pages #M-14 & M-15
None = 00

SHEATH MATERIAL
J = Inconel 600
S = 446 SS
T = 304 SS
V = 316 SS
W = 316 SS

SHEATH LENGTH ("A"")
Whole Inches: Example: 012 = 12 Inches
NOTE: For Sheath lengths over 99 inches, insert a 3 digit length and delete the fractional code.
Example: 144 = 144"

JUNCTION TYPE
E = Exposed
G = Grounded, Round Tip
U = Ungrounded, Round Tip

SHEATH DIAMETER (Inch)
G = 1/8 (.125)
I = 3/16 (.188)
K = 1/4 (.250)
N = 3/8 (.375)
SHEATH MOUNTING FITTINGS

Fixed Brazed or Welded Bushings

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>NPT</th>
<th>&quot;L&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>6A</td>
<td>316 Stainless Steel</td>
<td>1/8</td>
<td>0.80</td>
</tr>
<tr>
<td>6B</td>
<td>316 Stainless Steel</td>
<td>1/4</td>
<td>0.81</td>
</tr>
<tr>
<td>6D</td>
<td>316 Stainless Steel</td>
<td>1/2</td>
<td>1.09</td>
</tr>
<tr>
<td>6E</td>
<td>316 Stainless Steel</td>
<td>3/4</td>
<td>1.20</td>
</tr>
<tr>
<td>7A</td>
<td>Brass</td>
<td>1/8</td>
<td>0.80</td>
</tr>
<tr>
<td>7B</td>
<td>Brass</td>
<td>1/4</td>
<td>0.96</td>
</tr>
<tr>
<td>7D</td>
<td>Brass</td>
<td>1/2</td>
<td>1.20</td>
</tr>
</tbody>
</table>

Insert "U" length
Ex. 6D04 = 4" "U" length

COMPRESSION FITTINGS

One-time Adjustable

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>NPT</th>
<th>1/16&quot;</th>
<th>1/8&quot;</th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
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<tbody>
<tr>
<td>1A</td>
<td>Stainless Steel</td>
<td>1/8</td>
<td>1.27</td>
<td>1.24</td>
<td>1.29</td>
<td>1.29</td>
<td>N/A</td>
</tr>
<tr>
<td>1B</td>
<td>Stainless Steel</td>
<td>1/4</td>
<td>1.22</td>
<td>1.40</td>
<td>1.43</td>
<td>1.49</td>
<td>1.57</td>
</tr>
<tr>
<td>1D</td>
<td>Stainless Steel</td>
<td>1/2</td>
<td>N/A</td>
<td>1.66</td>
<td>N/A</td>
<td>1.76</td>
<td>1.82</td>
</tr>
<tr>
<td>2A</td>
<td>Brass</td>
<td>1/8</td>
<td>1.03</td>
<td>1.02</td>
<td>1.10</td>
<td>1.15</td>
<td>N/A</td>
</tr>
<tr>
<td>2B</td>
<td>Brass</td>
<td>1/4</td>
<td>1.22</td>
<td>1.40</td>
<td>1.18</td>
<td>1.24</td>
<td>1.28</td>
</tr>
<tr>
<td>2D</td>
<td>Brass</td>
<td>1/2</td>
<td>1.40</td>
<td>1.35</td>
<td>1.25</td>
<td>1.44</td>
<td>1.53</td>
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Re-Adjustable

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>NPT</th>
<th>1/16&quot;</th>
<th>1/8&quot;</th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A</td>
<td>Stainless Steel</td>
<td>1/8</td>
<td>1.21</td>
<td>1.21</td>
<td>1.21</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3B</td>
<td>Stainless Steel</td>
<td>1/4</td>
<td>N/A</td>
<td>1.40</td>
<td>1.43</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>3D</td>
<td>Stainless Steel</td>
<td>1/2</td>
<td>N/A</td>
<td>1.66</td>
<td>N/A</td>
<td>1.76</td>
<td>1.82</td>
</tr>
</tbody>
</table>

NOTE: All Re-adjustable fittings contain Teflon ferrules standard. Consult Sales for Neoprene or Lava ferrules

Mounting Flanges

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Flange w/ Brass Compression, Adjustable</td>
</tr>
<tr>
<td>26</td>
<td>Flange w/SS Compression, Adjustable</td>
</tr>
</tbody>
</table>

* NOT AVAILABLE WITH TEFLOM COATED SHEATH!

Double Ended Hex Nipples

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>NPT</th>
<th>&quot;L&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>Steel, brazed on</td>
<td>1/2</td>
<td>2.10</td>
</tr>
<tr>
<td>46</td>
<td>Stainless Steel (316SS)</td>
<td>1/8</td>
<td>1.01</td>
</tr>
<tr>
<td>47</td>
<td>Stainless Steel (316SS)</td>
<td>1/4</td>
<td>2.10</td>
</tr>
<tr>
<td>48</td>
<td>Stainless Steel (316SS)</td>
<td>1/2</td>
<td>2.10</td>
</tr>
<tr>
<td>55</td>
<td>Steel, spring loaded</td>
<td>1/2</td>
<td>2.10</td>
</tr>
<tr>
<td>56</td>
<td>Stainless Steel, spring loaded</td>
<td>1/2</td>
<td>2.10</td>
</tr>
<tr>
<td>57</td>
<td>Stainless Steel, self contained spring loaded (1/4&quot; sheath only)</td>
<td>1/2</td>
<td>2.50</td>
</tr>
<tr>
<td>60</td>
<td>Stainless Steel (316SS)</td>
<td>3/4</td>
<td>2.50</td>
</tr>
<tr>
<td>61</td>
<td>Stainless Steel (316SS)</td>
<td>1</td>
<td>2.50</td>
</tr>
</tbody>
</table>

Compatible with Head Order Codes

* T, V, W, 1, 2, 3, 4, 5, 6
** T, V, W, 1, 2, 3, 4, 5, 8

Sure Controls Inc.
N981 Tower View Drive • Greenville, WI 54942
(800) 844-8405 • (920) 560-3314 Fax • salesinfo@surecontrols.com
## SHEATH MOUNTING FITTINGS and BEND OPTIONS

### Bayonet Fittings

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Available Sheath Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>Adjustable Bayonet Fitting</td>
<td>1/8</td>
</tr>
<tr>
<td>28</td>
<td>Re-Adjustable Bayonet Fitting</td>
<td>1/8</td>
</tr>
<tr>
<td>29</td>
<td>Fixed Bayonet Fitting</td>
<td>1/8, 3/16, 1/4</td>
</tr>
</tbody>
</table>

* Insert "U" length  
  Ex. 2904 = 4" "U" length

### Weld Pads

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>Perpendicular Pad, 316 SS, 1&quot; x 1&quot;</td>
</tr>
<tr>
<td>36</td>
<td>Horizontal Pad, 316 SS, 1&quot; x 1&quot;</td>
</tr>
<tr>
<td>37*</td>
<td>Perpendicular Radius Pad*, 316 SS, 1&quot; x 1&quot;</td>
</tr>
<tr>
<td>38*</td>
<td>Horizontal Radius Pad*, 316 SS, 1&quot; x 1&quot;</td>
</tr>
</tbody>
</table>

* Specify Radius (Ex. 37(2)=2^R)

### Sheath Bends

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A*</td>
<td>90° Bend</td>
</tr>
<tr>
<td>B*</td>
<td>45° Bend</td>
</tr>
</tbody>
</table>

* Insert "U" Length  
  Ex. A04=4" "U" Length

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