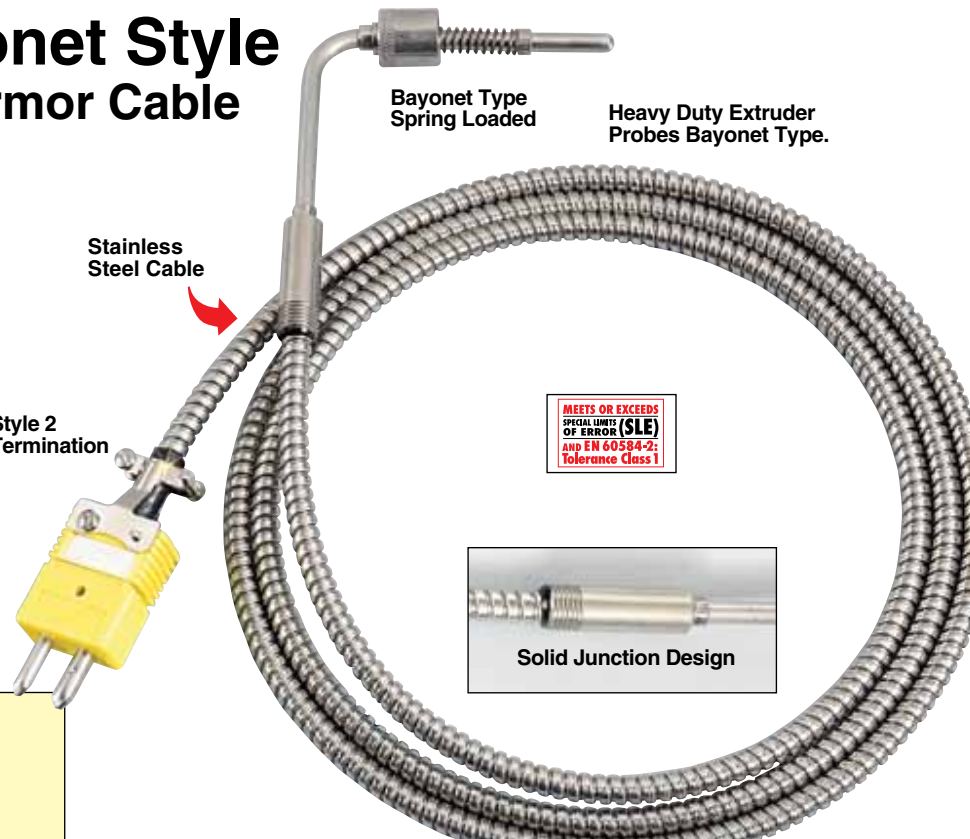
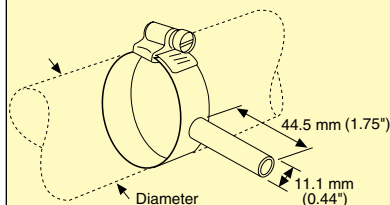


# Solid Probe Bayonet Style With Stainless Steel Armor Cable

- ✓ High-Temperature Design
- ✓ Wide Variety of Immersion Lengths, Styles and Mounting Arrangements Available
- ✓ Fast Delivery on Standard Configurations
- ✓ 304 SS Sheath, Solid 4.7 mm ( $\frac{3}{16}$ ") Diameter Probe
- ✓ Flexible 7.0 mm (0.275") Stainless Steel Cable [1.5 m (5') Standard]
- ✓ Glass Braid Insulated 20 Gage Solid Thermocouple Lead Wire, Stranded Wire Available as Option
- ✓ Grounded Junction



## Pipe Clamp Adaptors for Bayonet-Type Thermocouples†



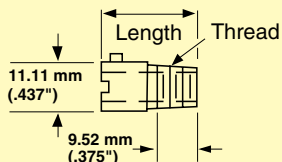
† Note: Choose "A" thermocouple dimension of 2 1/4" for all bayonet type thermocouples used with pipe clamp adaptors.

To measure temperature of pipes without drilling. Easily installed and removed.

| Model Number | For Pipe Diameter (inch) | All Sizes Material is Stainless Steel |
|--------------|--------------------------|---------------------------------------|
| BTC-1        | 1/2 to 3/8               |                                       |
| BTC-2        | 3/8 to 1 1/2             |                                       |
| BTC-3        | 1 5/16 to 2 1/4          |                                       |
| BTC-4        | 2 1/4 to 3 5/16          |                                       |
| BTC-5        | 3 5/16 to 4 1/4          |                                       |
| BTC-6        | 4 5/16 to 5 1/4          |                                       |

## Adaptors for Bayonet-Type Thermocouples

Like a compression fitting, does not seal



| Model Number | Length (inch) | Thread Size |
|--------------|---------------|-------------|
| BTA-1        | 7/8           | 1/8-27 NPT  |
| BTA-2        | 7/8           | 3/8-24      |
| BTA-3        | 1 3/8         | 1/8-27 NPT  |
| BTA-4        | 1 3/8         | 3/8-24      |
| BTA-5        | 2 1/2         | 1/8-27 NPT  |
| BTA-6        | 2 1/2         | 3/8-24      |

Adaptor material is stainless steel.

## Discount Schedule

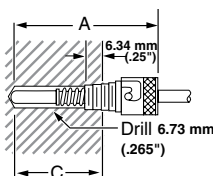
|                    |                            |
|--------------------|----------------------------|
| 1-24 Units.....Net | 100-249 Units.....10%      |
| 25-99 Units.....7% | 250 and up...Consult Sales |

## To Order

| Dimensions*                                                                    | Type | Cold End Termination | Model Number     |
|--------------------------------------------------------------------------------|------|----------------------|------------------|
| <b>Straight</b><br><br>A = 57.2 mm (2.25") or 89 mm (3.50")<br>B = 1.5 m (60") | J    | 1                    | BTH-000-J-□-60-1 |
|                                                                                | J    | 2                    | BTH-000-J-□-60-2 |
|                                                                                | K    | 1                    | BTH-000-K-□-60-1 |
|                                                                                | K    | 2                    | BTH-000-K-□-60-2 |
|                                                                                | T    | 1                    | BTH-000-T-□-60-1 |
|                                                                                | T    | 2                    | BTH-000-T-□-60-2 |
|                                                                                | E    | 1                    | BTH-000-E-□-60-1 |
| <b>90° Bend</b><br><br>A = 57.2 mm (2.25") or 89 mm (3.50")<br>B = 1.5 m (60") | J    | 1                    | BTH-090-J-□-60-1 |
|                                                                                | J    | 2                    | BTH-090-J-□-60-2 |
|                                                                                | K    | 1                    | BTH-090-K-□-60-1 |
|                                                                                | K    | 2                    | BTH-090-K-□-60-2 |
|                                                                                | T    | 1                    | BTH-090-T-□-60-1 |
|                                                                                | T    | 2                    | BTH-090-T-□-60-2 |
|                                                                                | E    | 1                    | BTH-090-E-□-60-1 |
|                                                                                | E    | 2                    | BTH-090-E-□-60-2 |

\* Note: Insert 2 1/4 or 3 1/2: Standard "A" Dimension in space (□). Longer lengths available for an additional cost per inch. "B" dimensions at 60". For longer lengths change 60 to desired length and for an additional cost per foot. For ungrounded, add suffix "-UNGROUND" to model number, for an additional cost.  
**Ordering Example:** BTH-000-J-2 1/4-60-2, straight solid probe bayonet, two cold end terminations, Type J, 2 1/4 A dimension, 60" armored cable and an OSTW thermocouple connector.

## Drilling Selection Table for Spring Loaded Bayonet Type Thermocouples



| Hole Depth "C" mm (inch)** | Probe Length "A" mm (inch) |                     |                     |
|----------------------------|----------------------------|---------------------|---------------------|
|                            | 7/8" Long Adaptor          | 1 3/8" Long Adaptor | 2 1/2" Long Adaptor |
| 6 to 13 (1/4 to 1/2)       | 41.3 (1 5/8)               | 50 (2)              | 79 (3 1/8)          |
| 13 to 25 (1/2 to 1)        | 50 (2)                     | 64 (2 1/2)          | 92 (3 5/8)          |
| 25 to 38 (1 to 1 1/2)      | 64 (2 1/2)                 | 76 (3)              | 105 (4 1/8)         |
| 38 to 50 (1 1/2 to 2)      | 76 (3)                     | 89 (3 5/8)          | 117 (4 5/8)         |
| 50 to 64 (2 to 2 1/2)      | 89 (3 5/8)                 | 102 (4)             | 130 (5 1/8)         |
| 64 to 76 (2 1/2 to 3)      | 102 (4)                    | 114 (4 1/2)         | 143 (5 5/8)         |
| 76 to 89 (3 to 3 1/2)      | 114 (4 1/2)                | 127 (5)             | 156 (6 1/8)         |
| 89 to 102 (3 1/2 to 4)     | 127 (5)                    | 140 (5 1/2)         | 168 (6 5/8)         |
| 102 to 114 (4 to 4 1/2)    | 140 (5 1/2)                | 150 (6)             | 181 (7 1/8)         |
| 114 to 127 (4 1/2 to 5)    | 150 (6)                    | 165 (6 1/2)         | 194 (7 5/8)         |

\*\* For deeper holes than those listed, add 1/2 inch to probe dimension "A" for each 1/2" of hole depth dimension "C".

Note: Thermocouples supplied without adaptors.