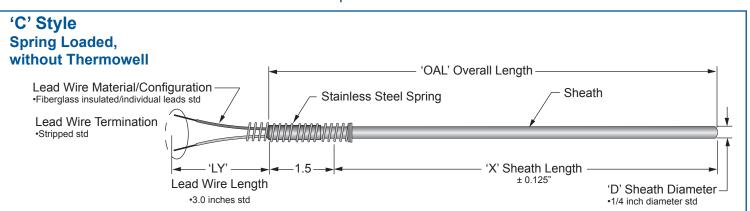
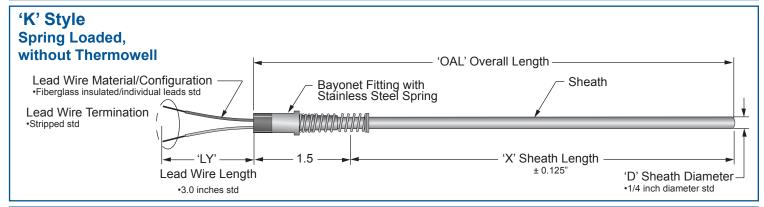
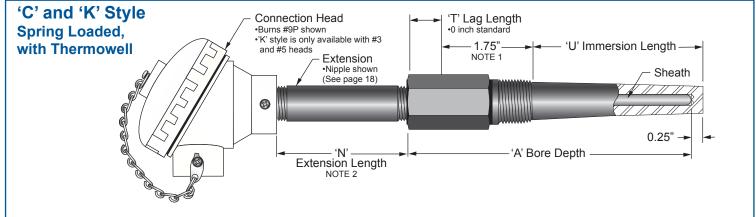
## 'C' and 'K' Style Spring Loaded Sensors







NOTE: All Dimensions in inches.

## 'C' Style Application

Assembly allows easy removal of the sensor through the connection head. No wrenches required.

#### **'K' Style Application**

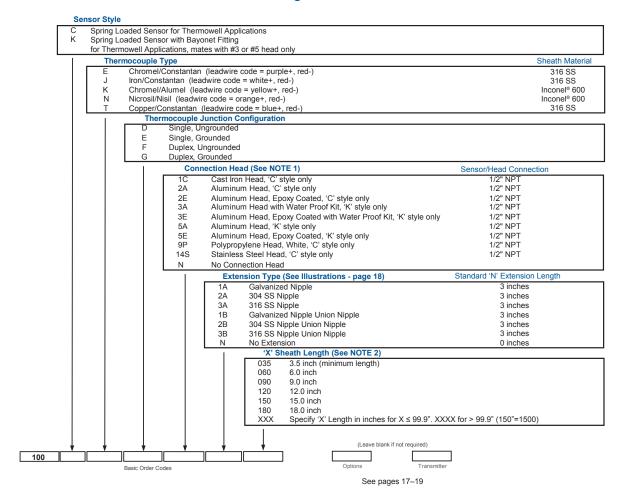
Similar to the 'C' Style but with the addition of a 1/4 turn twist lock fitting for even easier removal of the sensor. Add longer leads and it makes calibration checks possible with no tools required. Works with #3 and #5 connection heads only.

NOTE 1: 1.75 inch length is used on threaded and socket weld thermowells; a 2.25 inch length is used with flanged wells NOTE 2: When a 'C' style assembly is ordered with a transmitter the actual 'N', nominal extension length, will be 1/2" long than specified.



# Spring Loaded Sensors without Thermowell

**Ordering Information** 

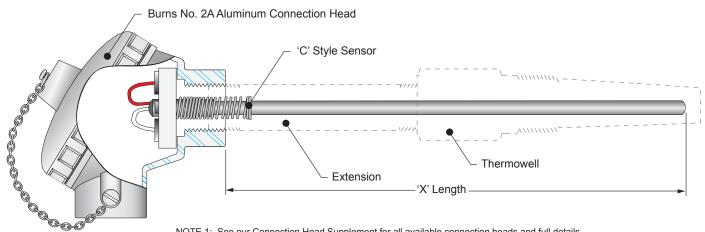


### FOR REFERENCE:

Thermocouple Specifications, page 4 Common Options, pages 17 – 19 Connection Head Descriptions, page 20

Length Code Definitions and Equations for 'C' and 'K' Style Assemblies		
Length Codes	For Threaded & Socket Wells	For Flanged Wells
'X' Sheath Length 'U' Immersion Length 'OAL' Overall Length 'N' Extension Length 'A' Well Bore Depth 'T' Well Lag Length	X = OAL - 1.5 X = N + A X = N + U + T + 1.5 A = U + T + 1.5	X + OAL - 1.5 X + N + A X + N + U + T + 2 A = U + T + 2

## **Example Configuration**

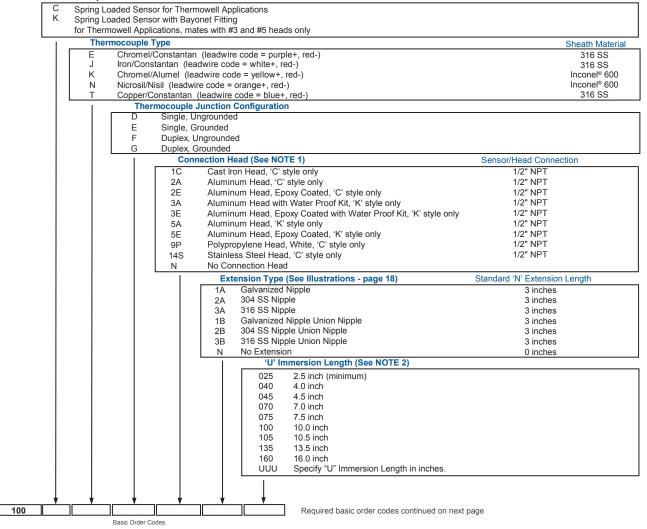


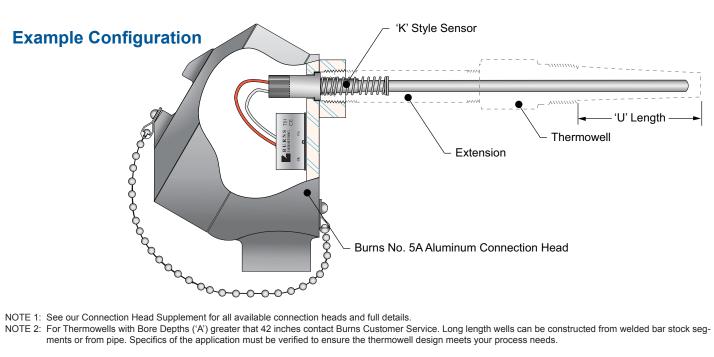
NOTE 2: For sensor sheath lengths 'X' greater than 200 inches contact Burns Customer Service.

## 'C' and 'K' Style Spring Loaded Sensors with Thermowell

Ordering Information (1 of 2)

#### Sensor Style





NOTE 1: See our Connection Head Supplement for all available connection heads and full details.

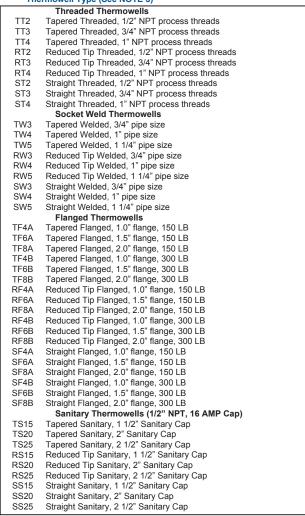
NOTE 2: For Thermowells with Bore Depths ('A') greater that 42 inches contact Burns Customer Service. Long length wells can be constructed from welded bar stock segments or from pipe. Specifics of the application must be verified to ensure the thermowell design meets your process needs.

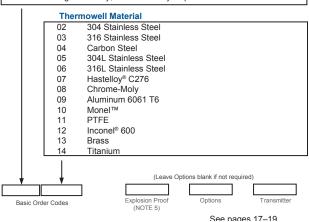


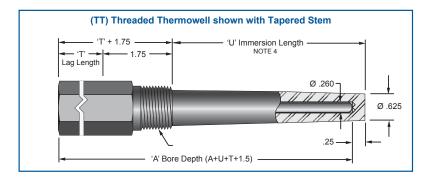
## 'C' and 'K' Style Spring Loaded Sensors with Thermowell

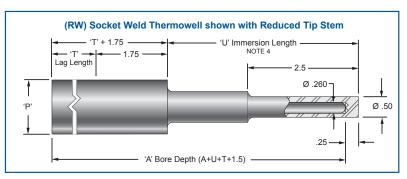
Ordering Information (2 of 2)

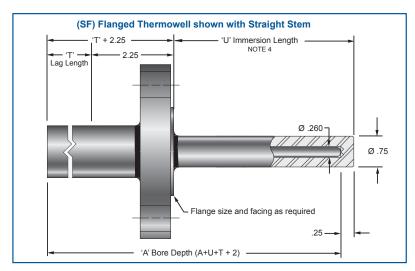
### Thermowell Type (See NOTE 3)

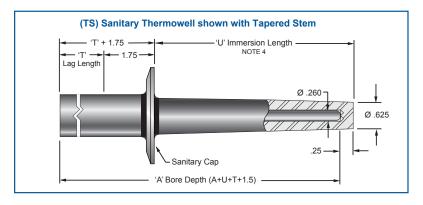












- NOTE 3: See our Thermowell catalog or visit us on-line at burnsengineering.com for a full line of standard thermowell styles along with information on custom thermowells.
- NOTE 4: For Thermowells with Bore Depths ('A') greater that 42 inches contact Burns Customer Service. Long length wells can be constructed from welded bar stock segments or from pipe. Specifics of the application must be verified to ensure the thermowell design meets your process needs.
- NOTE 5: For FM explosion proof approved assembly, enter '/AFM' code. See page 3 for ratings and drawing # 18938 for approved product structure details.