

A Leading Manufacturer of Quality Thermocouple and RTD Assemblies Since 1972

# Thermowells

Thermowells are used to provide an isolation between a temperature sensor and the environment, either liquid, gas or slurry. A thermowell allows the temperature sensor to be removed and replaced without compromising either the ambient region or the process.

Care must be taken in determining the material used for the thermowell as well as other factors. Thermo Sensors offers design assistance that includes pressure, temperature and or corrosion as well as vibration effects of the fluids. This vibration can cause well stem failure.



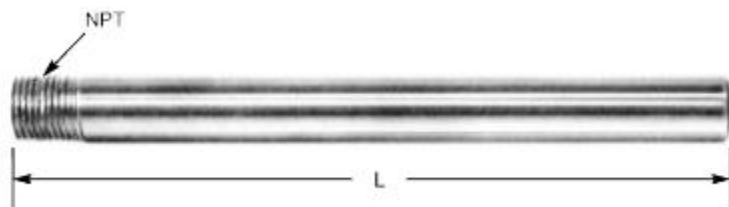
Thermo Sensors thermowell materials include:

- Carbon Steel
- 304 & 316 Stainless Steel
- Monel
- Brass

Please refer to our order guide to assist in determining your needs. We can also provide technical design assistance and application suggestions. Give us a call.

## Metal Protecting Tubes/Tubes With Bushings

### Metal Protecting Tube



NPT	O.D. x I.D. (Nom.)**	Ordering Code		
		Series	Material	"L"
1/8"	.405" x .269"	18	Select Material Code from <a href="#">Material Table</a>	Specify in Inches
1/4"	.540" x .364"	14		
1/2"	.840" x .622"	12		
3/4"	1.050" x .824"	34		
1"	1.315" x 1.049"	10		

### How to order:

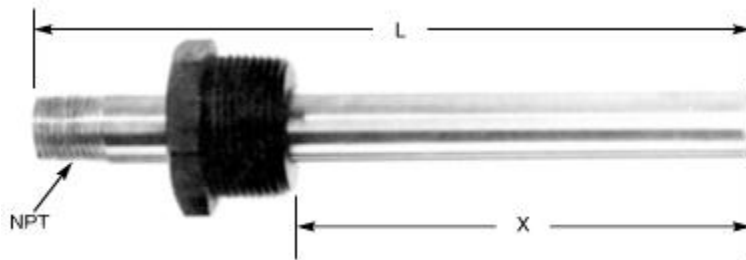
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1. Select series number.
2. Select material code from [Material Table](#) and add to series.
3. Specify desired "L" dimension in inches.

**Example:**

1260 - 18  
 Series/Mat'l "L"

**Metal Protecting Tube with Bushings**



NPT	O.D. x I.D. (Nom.)**	Ordering Code				
		Series	Material	"L"	"P"	"X"
1/8"	.405" x .269"	B18	Select Material Code from <a href="#">Material Table</a>	Specify in Inches	Specify D for 1/2" NPT F for 3/4" NPT H for 1" NPT K for 1 1/4" NPT M for 1 1/2" NPT	Specify in Inches
1/4"	.540" x .364"	B14				
1/2"	.840" x .622"	B12				
3/4"	1.050" x .824"	B34				
1"	1.315" x 1.049"	B10				

**How to order:**

1. Select series number.
2. Select material code from [Material Table](#) and add to series designation.
3. Specify desired "L" dimension in inches.
4. Select desired "P" NPT size and insert the proper letter code.
5. Specify desired "X" dimension in inches.

**Example:**

B1834 - 24 - K - 18

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Series/Mat'l "L" 1 1/4" NPT "X"

\* Welded bushings are carbon steel unless otherwise specified.  
To specify a 304 s.s. bushing - insert "SS" between the bushing designation and the "X" dimension.  
Example: -HSS8 for a 1" NPT 304 ss bushing with X=8"

\*\* These dimensions are for standard tubes made with schedule 40 pipes. To specify schedule 80 or 160 - insert "(80)" or "(160)" between the "Type" and "Material" selections in the ordering code table.  
Example: 12(80)36-12, B112(80)34-18-H12 or F34(80)34-18-1x300RF-304-12 for schedule 80.