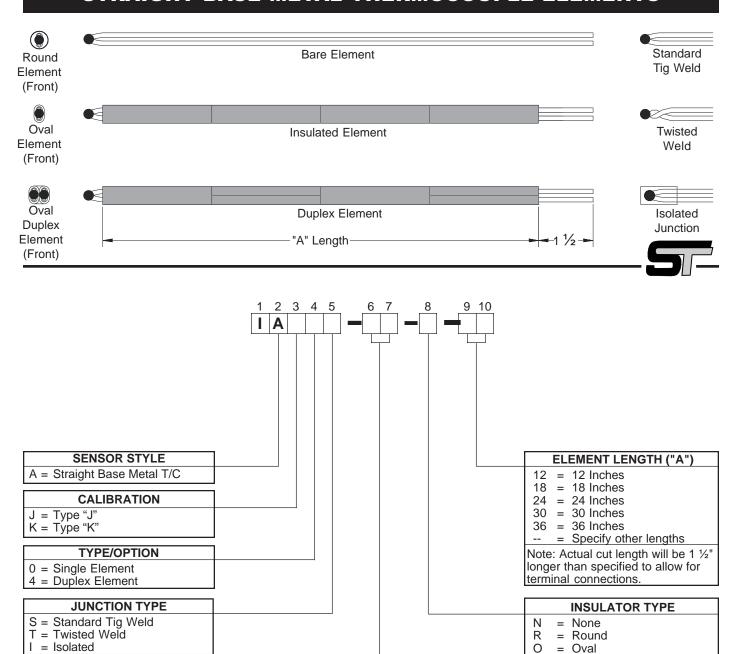
## STRAIGHT BASE METAL THERMOCOUPLE ELEMENTS



CONDUCTOR GAUGE

14 = 14 AWG

11 = 11 AWG

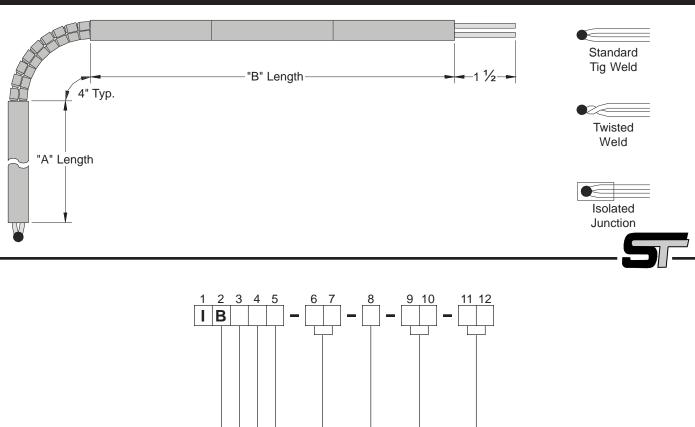
08 = 8 AWG

ELEMENT INSULATION CHART					
Order		Wire	Insulator Dimension		
Code	Description	Gauge	Single	Duplex	
N	Bare Element		None Used	None Used	
		14 Ga.	.250 OD	.320 OD	
R	Round Ceramic	11 Ga.	.465 OD		
		8 Ga.	.465 OD		
		14 Ga.	.313 x .188	.436 x .436	
0	Oval Ceramic	11 Ga.	.375 x .218	.436 x .436	
		8 Ga.	.500 x .286	.572 x .572	

SensorTec insulated elements are supplied with refractory insulators 2380° Deg F maximum temperature

SensorTec's straight base metal thermocouple elements are available as both part of a complete Industrial Thermocouple Assembly or as a separate replacement element for existing assemblies. The replacement elements are available with or with out ceramic insulators and other listed options.

# **ANGLED BASE METAL THERMOCOUPLE ELEMENTS**

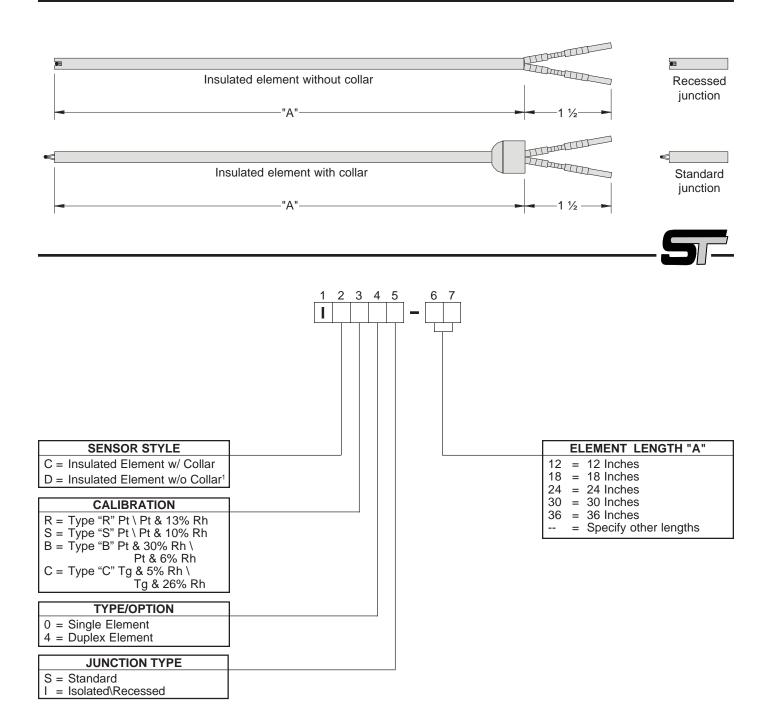


	I   B	<b>-</b>	-   -	-	
SENSOR STYLE  B = Angled Base Metal T/C  CALIBRATION  J = Type "J"  K = Type "K"					COLD LENGTH ("B")  12 = 12 Inches 18 = 18 Inches 24 = 24 Inches 30 = 30 Inches 36 = 36 Inches = Specify other lengths
TYPE/OPTION					HOT LENGTH ("A")
0 = Single Element 4 = Duplex Element					12 = 12 Inches 18 = 18 Inches
JUNCTION TYPE  S = Standard Tig Weld T = Twisted Weld I = Isolated					24 = 24 Inches 30 = 30 Inches 36 = 36 Inches = Specify other lenghts
					INSULATOR TYPE
					N = None R = Round O = Oval
					CONDUCTOR GAUGE
					14 = 14 AWG 11 = 11 AWG

I-3

08 = 8 AWG

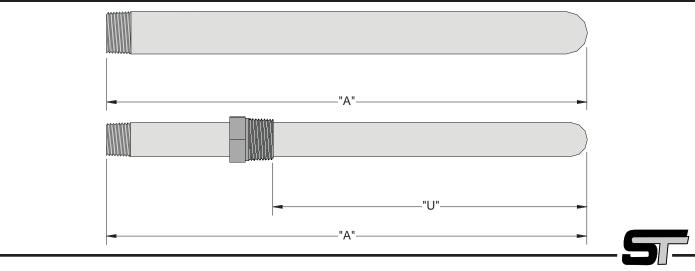
## **NOBLE METAL THERMOCOUPLE ELEMENTS**

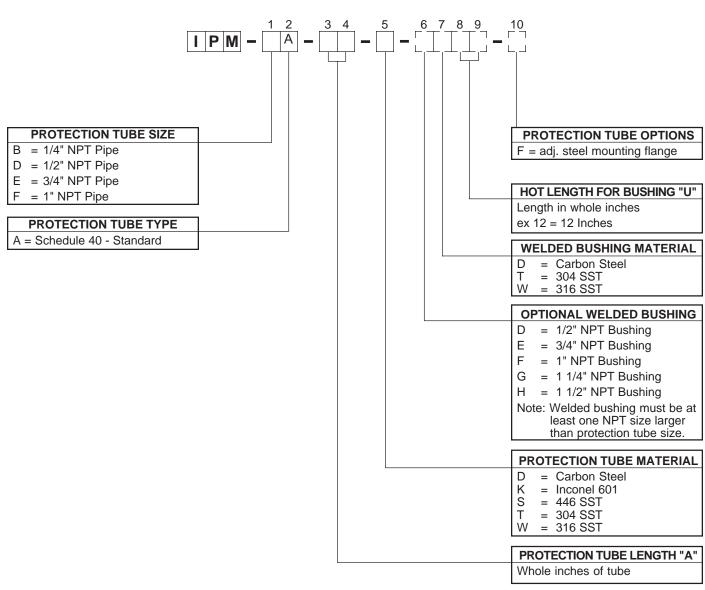


STS's noble metal thermocouple elements are available as both, part of a complete high temperature Industrial Thermocouple Assembly or as separate replacement elements for existing assemblies. The replacement elements are constructed with high temperature alumina insulators.

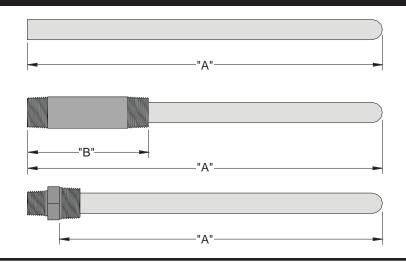
<sup>&</sup>lt;sup>1</sup> Style "ID" available only as Isolated\Recessed Junction

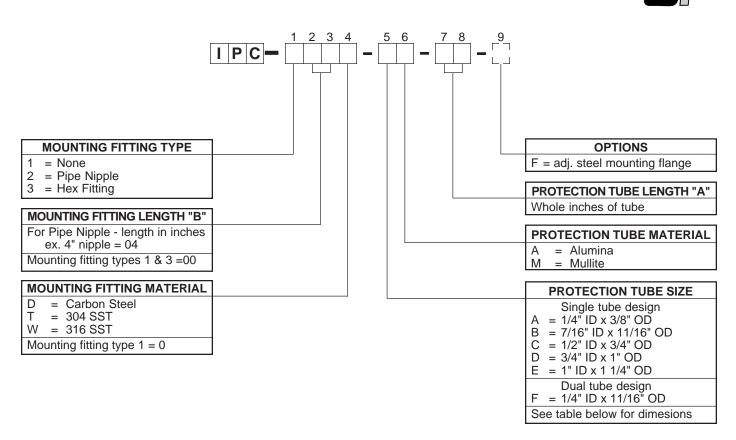
## **METAL PROTECTION TUBES**





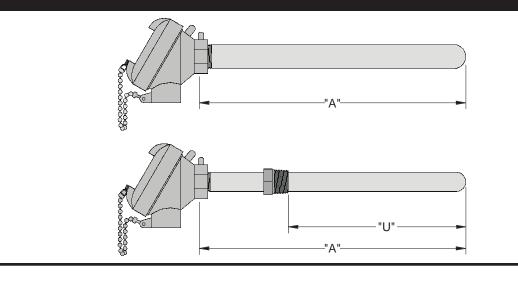
## **CERAMIC PROTECTION TUBES**

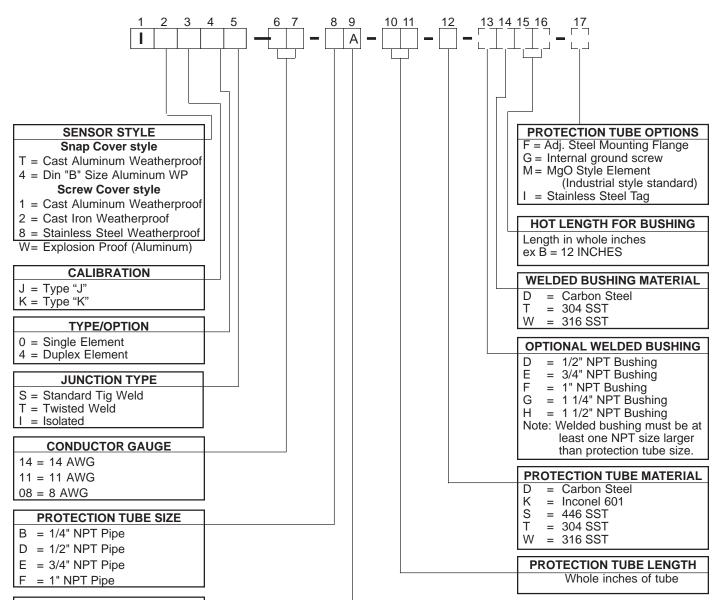




Tube	Tube	Pipe	Hex	Hex
Part#	Size	Nipple	Nipple	Nipple
	ID OD	Size	Process	Termination
Α	1/4" x 3/8"	1/2" NPT	-	-
В	7/16" x 11/16"	3/4" NPT	3/4" NPT	1/2" NPT
С	1/2" x 3/4"	3/4" NPT	3/4" NPT	1/2" NPT
D	3/4" x 1"	1 1/4" NPT	1 1/4" NPT	1" NPT
E	1" x 1 1/4	1 1/4" NPT	1 1/4" NPT	1" NPT
F	1/4" x 11/16"	3/4" NPT	3/4" NPT	1/2" NPT

### **METAL PROTECTION TUBE ASSEMBLIES**

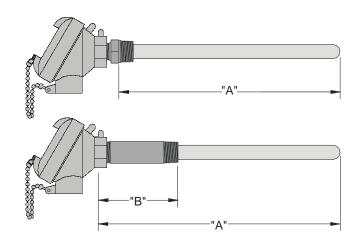




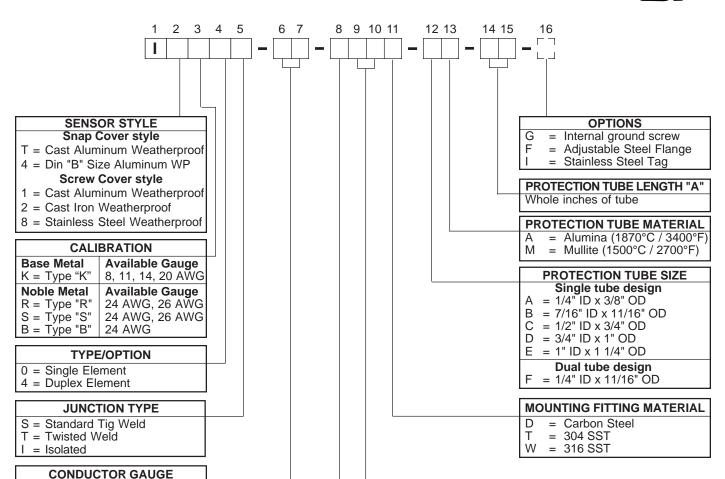
PROTECTION TUBE TYPE

A = Schedule 40 - Standard

## **CERAMIC PROTECTION TUBE ASSEMBLIES**







	MOUNTING FITTING TYPE
2	= Pipe Nipple
3	= Hex Fitting

Select available gauge size for T/C from Calibration chart above

example 8 AWG = 08

MOUNTING FITTING SIZE "B"			
For Pipe Nipple - length in inches			
ex. 4" nipple = 04			
Mounting fitting type 3 =00			

Tube	Tube	Pipe	Hex	Hex
Part#	Size	Nipple	Nipple	Nipple
	ID OD	Size	Process	Termination
Α	1/4" x 3/8"	1/2" NPT	-	-
В	7/16" x 11/16"	3/4" NPT	3/4" NPT	1/2" NPT
С	1/2" x 3/4"	3/4" NPT	3/4" NPT	1/2" NPT
D	3/4" x 1"	1 1/4" NPT	1 1/4" NPT	1" NPT
E	1" x 1 1/4	1 1/4" NPT	1 1/4" NPT	1" NPT
F	1/4" x 11/16"	3/4" NPT	3/4" NPT	1/2" NPT