

Thermocouples



DME Bayonet Thermocouples are made of .9mm stranded glass-insulated wires. The grounded hot junction is in the end of a 4.8mm O.D. stainless steel protecting tube for fast response and long life. Tube features a round tip and is fitted with a stainless steel spring loaded bayonet fitting. Lead wires are protected by rugged 4.8mm I.D. flexible armor (lead wire calibration is ANSI Type J Iron/Constantan). Armor cable is 119cm long; spade lugs are attached at the end of the lead wires for easy connection to terminal strip or plug.

DME Adjustable bayonet Type Thermocouples fit hole depths up to 26cm and will conform to any angle.

DME Spade Type Thermocouples are used between band heaters and machine nozzles in applications where space will not permit bayonet type thermocouples. The stainless steel spade is only .6mm thick and can be easily contoured to fit various diameters.

Manifold Thermocouples

Installed in manifold to maintain precise temperature control.

Surface Pin Type

4mm diameter pin sensor x 12mm long, fastening suit M4, steel braided sleeving 2m long.

ITEM NUMBER	PIN SENSOR
TEF68	4MM Ø



Flat Washer Type

Utilized in limited space applications.



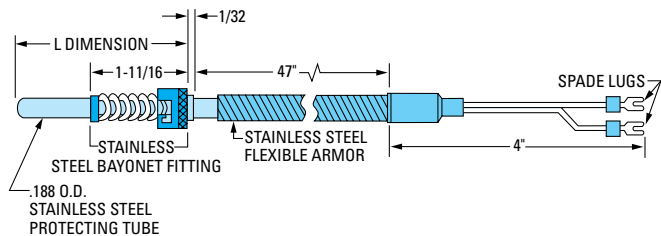
ITEM NUMBER
ETC0168

Threaded Type

Installed between heat source and flow channel for more precise control.

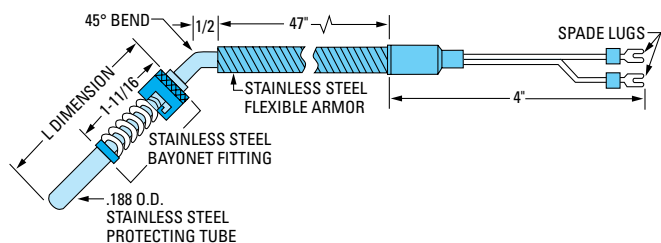


ITEM NUMBER	Thread
ETC0251	1/4 - 28UNF
ETC0252	M6



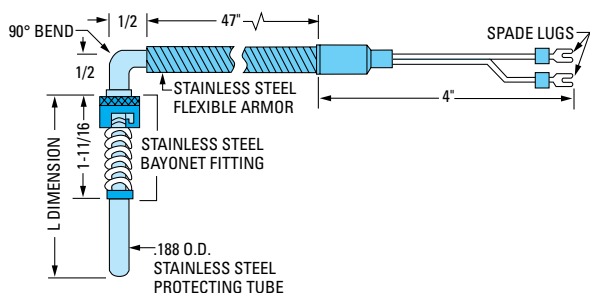
Straight Type

ITEM NUMBER	L
TC-2500	2 1/2
TC-3500	3 1/2
TC-6000	6"



45° Angle Type

ITEM NUMBER	L
TC-2545	2 1/2
TC-3545	3 1/2



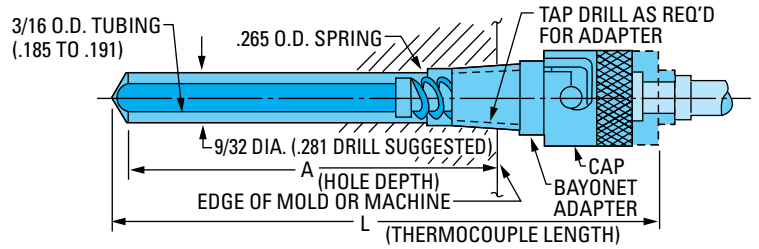
90° Angle Type

ITEM NUMBER	L
TC-2590	2 1/2
TC-3590	3 1/2
TC-6090	6"

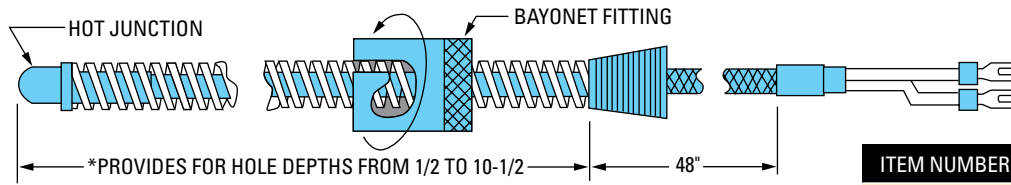
Thermocouples and Accessories

Hole Depth Chart

L THERMOCOUPLE LENGTH	A HOLE DEPTH FOR ADAPTER LENGTH	
	7/8	1 3/8
2 1/2	1" TO 1 3/8	1/2 TO 7/8
3 1/2	2" TO 2 3/8	1 1/2 TO 1 7/8
6"	4 1/2 TO 4 7/8	4" TO 4 3/8
10 1/2 ADJ.	1/2 TO 10 1/2	1/2 TO 10"



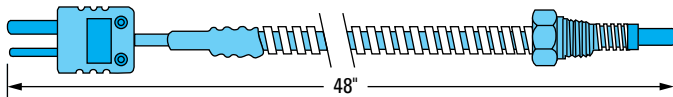
Adjustable Thermocouple



By turning the adjustable bayonet fitting along the spring, the DME Adjustable Thermocouple can be set for the desired immersion length, from 1/2" to 10 1/2". Spring will conform to any angle. Hot junction of ANSI Type J I/C calibrated leads is inside round tip. Flexible metal braid is 48" long with 2 1/2" of lead wires at the end and spade lugs for ease of connection.

ITEM NUMBER
TC-8000

Threaded Type Thermocouple

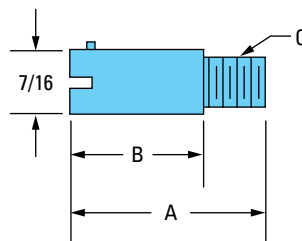


ITEM NUMBER
TCT-4

Threaded type thermocouple is spring loaded and supplied with cable and mini plug.

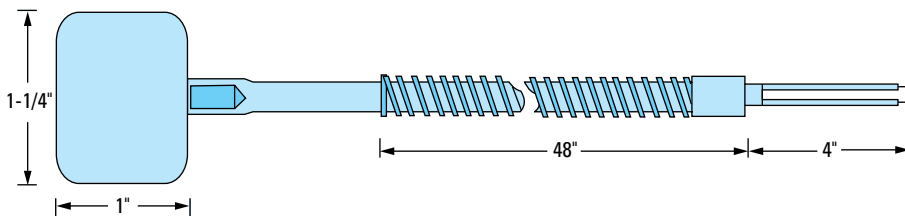
Bayonet Adapters

The stainless steel bayonet adapters accommodate the spring loaded bayonet fitting on the thermocouple, to bottom the hot junction where temperature sensing is desired. Adapter requires tapped hole for mounting.



ITEM NUMBER	A	B	C
BA1007	7/8	.465	1/8-27 NPT
BA1013	1 3/8	.934	1/8-27 NPT
BA4007	7/8	.465	3/8-24 NF
BA4013	1 3/8	.934	3/8-24 NF

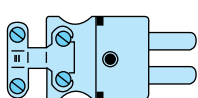
Spade Type Thermocouple



Used between band heaters and machine nozzles in applications where space will not permit bayonet type thermocouples. Stainless steel spade measures 1" x 1 1/4" x .025 thick and can be easily contoured to fit various diameters. Thermocouple is Type J I/C. Flexible stainless steel armor cable is 48" long with 4" of lead wires at the end.

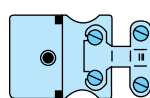
ITEM NUMBER
TC-9000

Plug (with Cable Clamp)



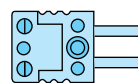
ITEM NUMBER
PL-10

Jack (with Cable Clamp)



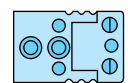
ITEM NUMBER
PL-20

Mini Plug



ITEM NUMBER
M2MJ

Mini Jack



ITEM NUMBER
M2F-J