

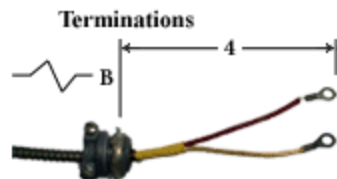
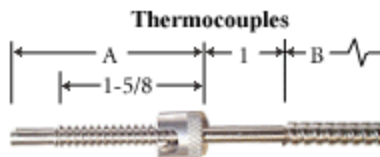
PLASTICS INDUSTRY THERMOCOUPLES

BAYONET TYPE THERMOCOUPLES

(FOR USE TO 900° F)

STRAIGHT

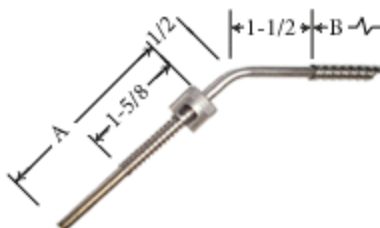
CATALOG NUMBER	LEAD TERMINATION
8823	BX Connector & Spade Lugs
8825	Thermocouple Plug
8827	Thermocouple Jack



BX CONNECTOR C-375 & SPADE LUGS

45° BEND

CATALOG NUMBER	LEAD TERMINATION
8843	BX Connector & Spade Lugs
8845	Thermocouple Plug
8865	Thermocouple Jack



THERMOCOUPLE PLUG



THERMOCOUPLE JACK

90° BEND

CATALOG NUMBER	LEAD TERMINATION
8863	BX Connector & Spade Lugs
8865	Thermocouple Plug
8867	Thermocouple Jack



HOW TO ORDER:

1. Specify "A" dimension. (See directions below.)
2. Specify "B" dimension.
3. Give catalog number.

NOTE:

All of the above are Type J (Iron/Constantan) calibration. Other standard calibration may be specified.

THERMOCOUPLE JACK



THERMOCOUPLE JACK

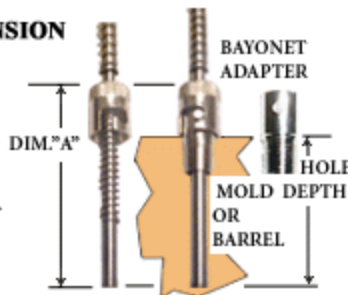
ALL DIMENSIONS ARE SPECIFIED IN INCHES

HOW TO DETERMINE "A" DIMENSION FOR 8800 SERIES ELEMENTS

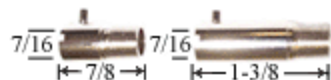
If you are using a short (7/8" length) Bayonet Adaptor - Add 1" to hole depth.

If you are using a long (1-3/8" length) Bayonet Adaptor - Add 1-1/2" to hole depth.

Hole depth should be drilled with a "G" (0.261") drill for best results. Overall O.D. is 1/4" (nominal 3/16" tubing plus spring.



BAYONET ADAPTORS



CATALOG NUMBER	LENGTH	THREAD
BA-01	7/8	1/8-27 N.P.T
BA-02	7/8	3/8-NF-2
BA-03	1-3/8	1/8-27 N.P.T
BA-04	1-3/8	3/8-NF-2

COMPRESSION FITTING TYPE

(for use to 900° F)

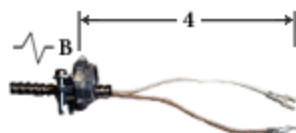
STRAIGHT

CATALOG NUMBER	LEAD TERMINATION
1223	BX Connector & Spade Lugs
1225	Thermocouple Plug
1227	Thermocouple Jack

THERMOCOUPLES



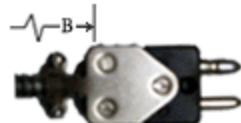
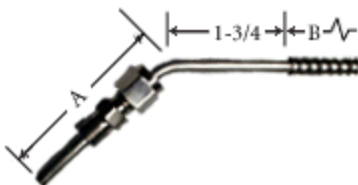
TERMINATIONS



BX CONNECTOR C-375 & SPADE LUGS

45° BEND

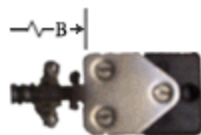
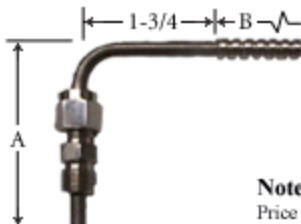
CATALOG NUMBER	LEAD TERMINATION
1243	BX Connector & Spade Lugs
1245	Thermocouple Plug
1247	Thermocouple Jack



THERMOCOUPLE PLUG

90° BEND

CATALOG NUMBER	LEAD TERMINATION
1263	BX Connector & Spade Lugs
1265	Thermocouple Plug
1267	Thermocouple Jack



THERMOCOUPLE JACK

Note:

Price includes brass compression fitting with brass ferrules. Other materials available for both fitting body and ferrule at extra cost. Thread is 1/8-27 N.P.T. All of the above are Type J (Iron/Constantan) calibration. Other standard calibrations may be specified. Nominal O.D. of tubing is 3/16" (0.185 to 0.191).

HOW TO ORDER:

1. Specify "A" dimension.
2. Specify "B" dimension.
3. Give Catalog number

THERMOCOUPLE CONNECTORS

(CONTACTS CONSTRUCTED OF ACTUAL THERMOCOUPLE MATERIAL)

COLOR CODED PLUGS

CATALOG NUMBER	CALIBRATION
2510	(J) Iron/Constantan
2512	(K) Chromel/Alumel
2514	(R) or (S) Plat./Plat. & Rhodium
2516	(T) Copper/Constantan



PLUG



JACK

COLOR CODED JACKS

CATALOG NUMBER	CALIBRATION
3510	(J) Iron/Constantan
3512	(K) Chrome/Alumel
3514	(R) or (S) Plat./Plat. & Rhodium
3516	(T) Copper/Constantan



CABLE CLAMP

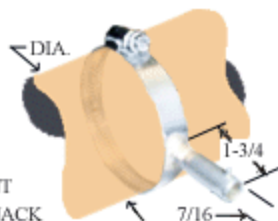


TUBE ADAPTOR

PANEL MOUNTING BRACKET

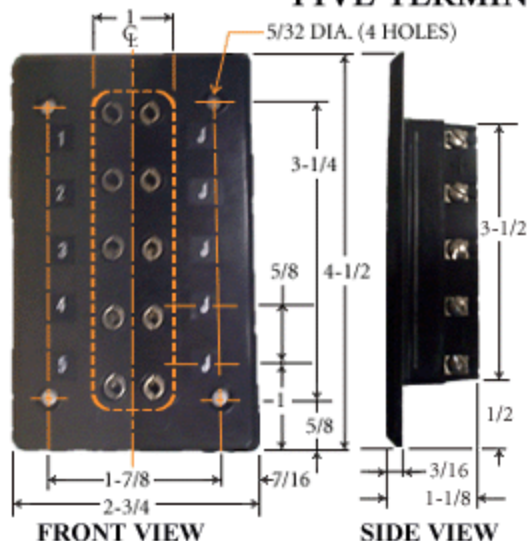


PIPE CLAMP ADAPTOR



CATALOG NUMBER	DESCRIPTION	FITS DIAMETER (O.D.)	NO.
6720	Cable Clamp	1/2" to 7/8"	BA-20
6723	1/16" and 1/8" Tube Adaptor	7/8" to 1-1/4"	BA-21
6724	3/16" Tube Adaptor	1-1/4" to 2"	BA-22
6725	1/4" Tube Adaptor	2" to 2-1/2"	BA-23
6730	Jack or Plug Panel Mounting Bracket	2-1/4" to 3-1/4"	BA-24
		3-1/4" to 4-1/4"	BA-25
		3-1/2" to 5"	BA-26

FIVE TERMINAL JACK PANELS



The inserts are used in groups of five. These are the same inserts as used in the jacks. Six standard thermocouples alloy types are available. Panels are supplied with all five positions for the same type of thermocouple. The body is made of phenolic and drilled for flush mounting. It may be mounted on a control panel or to a conduit box.

Each connection is identified as to thermocouple type by etched aluminum discs on a panel face.

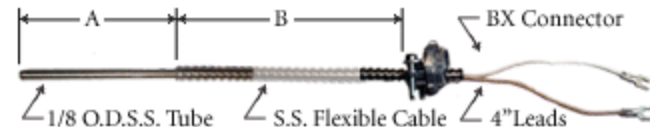
Connections are made to large terminal screws on the rear of the panel. For more than five connections combine with other jack panels for each multiple of five.

CATALOG NUMBER	CALIBRATION
3520	(J) Iron/Constantan
3522	(K) Chrome/Alumel
3524	(R) or (S) Plat./Plat. & Rhodium
3526	(T) Copper/Constantan

RIGID MODEL:

Plain end 1/8" O.D. Thermocouples for Adjustable Bayonet Fitting.

ADJUSTABLE THERMOCOUPLES



Adjustable bayonet No. 1501 converts the plain 1/8" O.D. thermocouple to rigid adjustable bayonet thermocouple. Permits stocking one "A" dimension to suit several hole depths. Order plain 1/8" O.D. thermocouple and No. 1501 fitting separately. Specify "A" and "B" dimension for thermocouple.

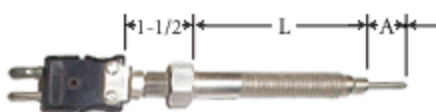


ADJUSTABLE FITTING No.1501

BEND	CATALOG NO.
Straight	1504
45°	1506
90°	1508

MELT THERMOCOUPLES

WITH RIGID PLUG EXTENSION



WITH FLEXIBLE EXTENSION

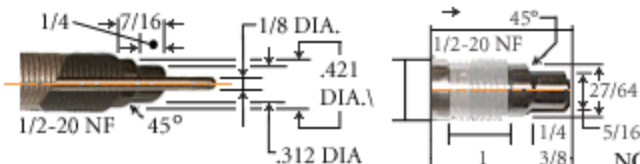


BLANK BOLT



Used to seal hole if thermocouple is removed from extruder.

RIGID BODY				4" FLEXIBLE ARMOR				BLANK BOLT	CONSTRUCTION	
Flush	1/4"	1/2"	3/4"	Flush	1/4"	1/2"	3/4"		IMMERSION LENGTH "A"	
1431	1432	1433	1434	1435	1436	1437	1438	1439	BODY LENGTH 3"	"L"
1461	1462	1463	1464	1465	1466	1467	1468	1469	BODY LENGTH 6"	"L"

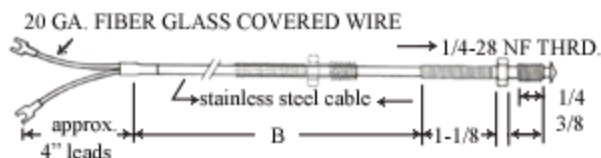


RECOMMENDED DRILLING DIMENSIONS FOR PROPER MOUNTING IN EXTRUDER

NOTE: Melt Thermocouple uses 24 ga. thermocouple element and threads are 1/2-20 NF calibration is ISA standard grade Iron/Constantan, others available on request.

DETAILED DIMENSIONS

NOZZLE THERMOCOUPLES



Can be used in holes which are very shallow.
 Minimum hole depth 1/8"
 Maximum hole depth 3/8"

LEAD TERMINATION	CONSTRUCTION	
	S.S. OVERBREAD	S.S. CABLE
BX Connector & spade lugs	1613	1623
Thermocouple Plug	1615	1625
Thermocouple Jack	1617	1617

Specify "B" dimension

RING TYPE THERMOCOUPLE



LEAD TERMINATION	LENGTH "B" DIMENSION			
	4Fl.	6Fl.	8Fl.	Other*
BX Connector & Spade Lugs	1633	1643	1653	1663
Thermocouple Plug	1635	1645	1655	1665
Thermocouple Jack	1637	1647	1657	1667

*Specify Length

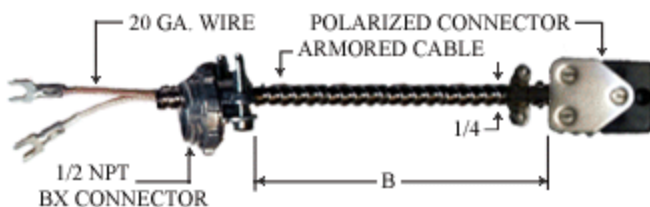
"UNDER THE BAND" THERMOCOUPLE

Thermocouple easily slips under the edge of two band heaters. Specify "B" dimension and catalog number. Leads are spade lugs.



"A"	CONSTRUCTION	
	S.S. OVERBRAID	S.S. CABLE
3/4"	1604	1607
1"	1605	1608
1-1/2"	1606	1609

EXTENSION WIRE IN ARMORED CABLE

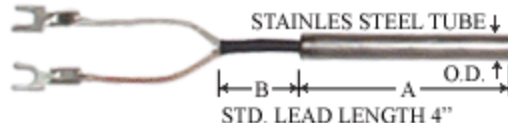


SAMPLE "BXJ" EXTENSION

Unless otherwise specified extensions are Iron/Constantan grade.

SENSITIVE ELEMENT ONLY

For use to 900° F
(Iron/Constantan)



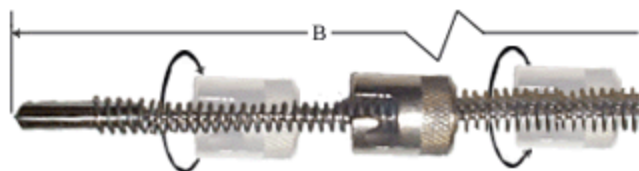
CATALOG NO.	O.D.	B & S GAUGE
1601	1/8"	24
1602	3/16"	20
1603	1/4"	20

Specify "A" and "B" dimension.

LEAD TERMINATION	BX CONNECTOR & SPADE LUGS	THERMOCOUPLE PLUG	THERMOCOUPLE JACK
Thermocouple Plug	BXP	PP	JP
Thermocouple Jack	BXJ	PJ	JJ

Specify "B" Dimension.

ADJUSTABLE THERMOCOUPLES - SPRING TYPE



OVERALL LENGTH "B" DIMENSION				LEAD TERMINATION
4 Feet	6 Feet	8 Feet	Other ^a	
1543	1563	1583	1593	BX Connector & Spade Lugs
1545	1565	1585	1595	Thermocouple Plug
1547	1567	1587	1597	Thermocouple Jack

With adjustable length. Cuts inventory cost. Fits hole depths from 1" to 10". Bayonet cap turns to desired immersion length. Forms to an angle. Made with 20 gauge stainless steel overbraided thermocouple wire.

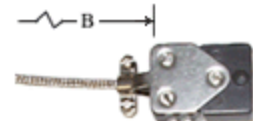
TERMINATIONS



BX CONNECTOR C-375 & SPADE LUGS

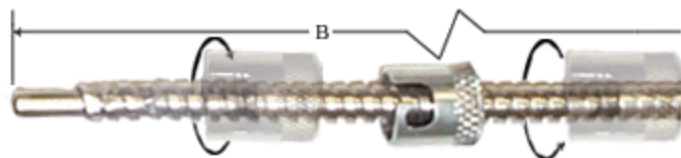


THERMOCOUPLE PLUG



THERMOCOUPLE JACK

ADJUSTABLE THERMOCOUPLES - ARMOR TYPE



OVERALL LENGTH "B" DIMENSION				LEAD TERMINATION
4 Feet	6 Feet	8 Feet	Other ^a	
1743	1763	1783	1793	BX Connector & Spade Lugs
1745	1765	1785	1795	Thermocouple Plug
1747	1767	1787	1797	Thermocouple Jack

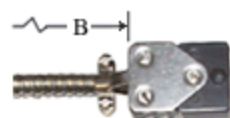
TERMINATIONS



BX CONNECTOR C-375 & SPADE LUGS



THERMOCOUPLE PLUG



THERMOCOUPLE JACK

SMALL SHEATH THERMOCOUPLES

Each thermocouple manufactured by ATCC is grounded to achieve a faster response time. Each probe is completely sealed. All thermocouples are designed to provide an extended operational life time.

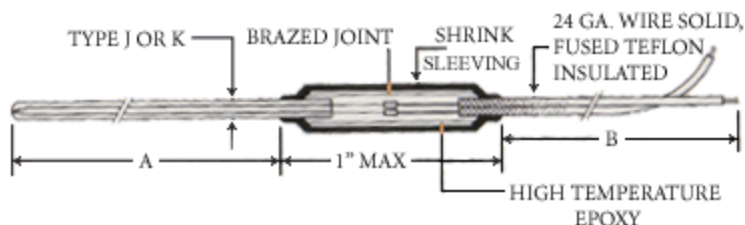
Please note that under no circumstances should the thermocouple end be trimmed or altered as this would render the thermocouple useless. Be careful to never connect thermocouple leads to power.

TYPE	2216	2316	2416
J			
K	0.020 ± 0.001	.030 ± .001	.04 ⁺ 0.0005 - .001

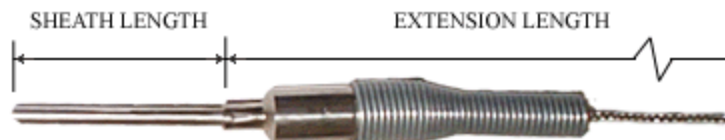
UNLESS OTHERWISE SPECIFIED:

"A" Dimension = 12"

"B" Dimension = 36"



MgO THERMOCOUPLE WITH EXTENSION AND LEADS



SHEATH DIA	TYPE J	TYPE K	LEAD TERMINATION
1/8	1825	1925	BX Connector & Spade Lugs
3/16	1827	1927	Thermocouple Plug
1/4	1829	1929	Thermocouple Jack

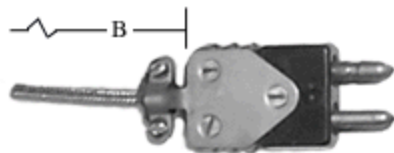
HOW TO ORDER:

1. Specify "A" dimension.
2. Specify "B" dimension.
3. Give Catalog number.

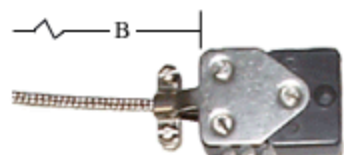
TERMINATIONS



BX CONNECTOR C-375 & SPADE LUGS



THERMOCOUPLE PLUG



THERMOCOUPLE JACK

MgO THERMOCOUPLE WITH FLEX ARMOR EXTENSION AND LEADS



SHEATH DIA	TYPE J	TYPE K	LEAD TERMINATION
1/8	1835	1935	BX Connector & Spade Lugs
3/16	1837	1937	Thermocouple Plug
1/4	1839	1939	Thermocouple Jack

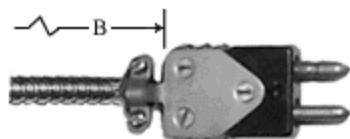
HOW TO ORDER:

1. Specify "A" dimension.
2. Specify "B" dimension.
3. Give Catalog number.

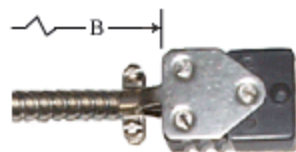
TERMINATIONS



BX CONNECTOR C-375 & SPADE LUGS

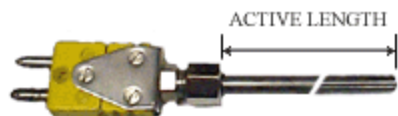


THERMOCOUPLE PLUG



THERMOCOUPLE JACK

MINIATURE AND MgO INSULATION THERMOCOUPLES



MALE CONNECTOR



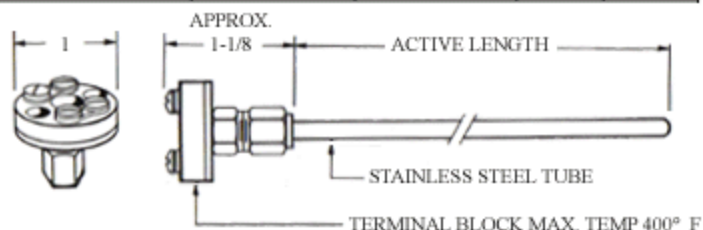
FEMALE CONNECTOR

The following assemblies are normally supplied with grounded junctions. Exposed or ungrounded types may be supplied at extra cost. Specify active length.

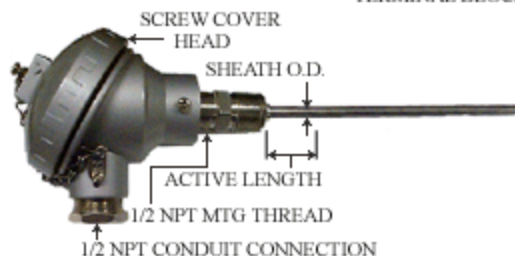
SWAGED MgO THERMOCOUPLES (Inconel Sheath)

NOMINAL SHEATH O.D.	THERMOCOUPLE CALIBRATION	MALE CONNECTOR	FEMALE CONNECTOR	OPEN HEAD	SCREW HEAD
1/16"	Iron/Constantan J	3163M	3163F	3163H	3863
	Chrome/Alumel K	3263M	3263F	3263H	3963
1/8"	Iron/Constantan J	3112M	3112F	3112H	3812
	Chrome/Alumel K	3212M	3212F	3212H	3912
3/16"	Iron/Constantan J	3118M	3118F	3118H	3818
	Chrome/Alumel K	3218M	3218F	3218H	3918
1/4"	Iron/Constantan J	3125M	3125F	3125H	3825
	Chrome/Alumel K	3225M	3225F	3225H	3925

OPEN HEAD TYPE



SCREW COVER HEAD

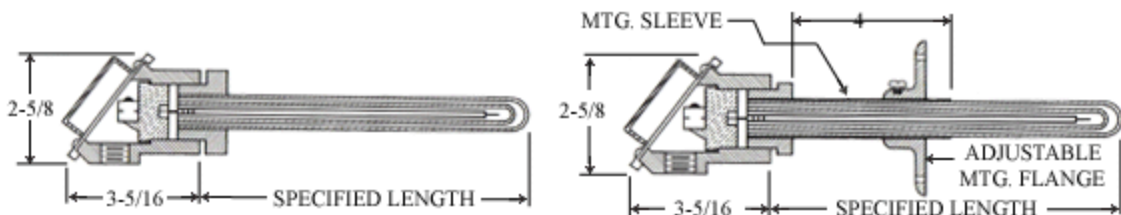


NON-SWAGED THERMOCOUPLE (Stainless Steel Tubing With Fiberglass/Fiberglass Thermocouple Wire).

NOMINAL SHEATH O.D.	THERMOCOUPLE CALIBRATION	MALE CONNECTOR	FEMALE CONNECTOR	OPEN HEAD	SCREW HEAD
1/8"	Iron/Constantan J	5112M	5112F	5112H	5112
	Chrome/Alumel K	5212M	5212F	5212H	5212
3/16"	Iron/Constantan J	5118M	5118F	5118H	5118
	Chrome/Alumel K	5218M	5218F	5218H	5218
1/4"	Iron/Constantan J	5125M	5125F	5125H	5125
	Chrome/Alumel K	5225M	5225F	5225H	5225

NOTE: When ordering always specify active length.

PLATINUM THERMOCOUPLES WITH DOUBLE CERAMIC PROTECTION TUBES



T/C ELEMENT	PRIMARY TUBE (INNER)	SECONDARY TUBE (OUTER)		WIRE SIZE	MOUNTING ACCESSORIES	CATALOG NUMBER
		MATERIAL	O.D.			
Platinum 10% Rhodium-Platinum (Type S)	High Temperature Porcelain	High Temperature Porcelain	11/16"	24	None	8761
					Flange & Sleeve	8762
					3/4" N.P.T. Mounting Bushing	8763
Platinum 13% Rhodium-Platinum (Type R)	High Temperature Porcelain	High Temperature Porcelain	11/16"	24	None	8767
					Flange & Sleeve	8768
					3/4" N.P.T. Mounting Bushing	8769

COMPRESSION FITTINGS

Compression fittings for mounting thermocouples are available in brass or stainless steel types.

Brass fittings may be used when the corrosion resistance and high temperature resistance of stainless steel are not required. It can be applied to any point along the sheath and cannot be moved after it is tightened the first time.

The stainless steel fittings are available with either stainless steel ferrules or teflon ferrules. The teflon units may be readjusted along the sheath as often as is required. Specify ordering number.



BRASS



STAINLESS STEEL

FOR SHEATH O.D.	TYPE	FERRULE	MALE N.P.T.	ORDERING NUMBER
.063	Stainless	Stainless	1/8"	4010
.063	Stainless	Teflon	1/8"	4011
.125	Stainless	Stainless	1/8"	4012
.125	Stainless	Teflon	1/8"	4013
.125	Brass	Brass	1/8"	4014
.188	Stainless	Stainless	1/8"	4015
.188	Stainless	Teflon	1/8"	4016
.188	Brass	Brass	1/8"	4017
.250	Stainless	Stainless	1/8"	4018
.250	Stainless	Teflon	1/8"	4019
.250	Brass	Brass	1/8"	4020

THERMOCOUPLES ACCESSORIES FOR THE METAL INDUSTRY

LARGE SIZE SCREW COVER HEADS AND BLOCKS

#8701 Screw Cover Head

Cat #8701 (*)

#8710 2-Pole Block

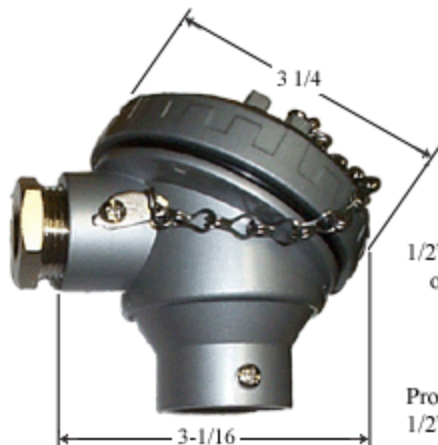
SUFFIX (*)	A	B	C
Protection Tube N.P.T. Size	1/2"	3/4"	1"



8710 2-Pole shown above

#8711 also available. 3-Pole

#8712 also available. 4-Pole



1/2" NPT Conduit
outlet shown.

Protection Tube Outlet
1/2", 3/4", or 1" NPT Pipe Size

Cast aluminum body and cover w/ss chain to prevent loss of cover.
O-Ring gasket in cover for protection against weather and contamination.

MINIATURE SIZE SCREW COVER HEADS AND BLOCKS

#8702 Screw Cover Head

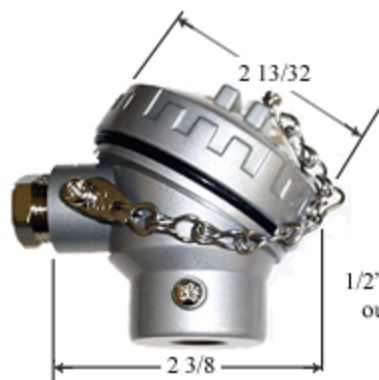
#8720 2-Pole Block



#8720 2-Pole shown above

#8711 also available. 3-Pole

#8712 also available. 4-Pole

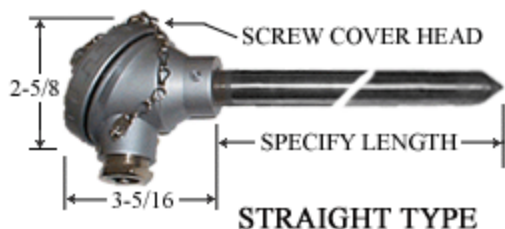


1/2" NPT Conduit
outlet shown.

Protection Tube Outlet
1/2", 3/4", or 1" NPT Pipe Size

Cast aluminum body and cover w/ss chain to prevent loss of cover.
O-Ring gasket in cover for protection against weather and contamination.

BASE METAL THERMOCOUPLES WITH CLOSED-END METAL PROTECTION TUBES



HOW TO ORDER:

- | | | |
|-----------------------------|-------------------------------------|---|
| 1. Select protection tube | 4. Select thermocouple | 7. Specify options: |
| 2. Select wire gauge | 5. Specify hot leg length | A. Flange |
| 3. Select straight or angle | 6. Specify cold leg length if angle | B. Mtg. bushing - specify thread and immersion length |

PROTECTION TUBE			WIRE SIZE	STRAIGHT		ANGLE		TUBE ONLY*
MATERIAL	O.D.	IPS		I/C	C/A	I/C	C/A	
Mild Steel	.5403	1/4"	14	8110	8210	8310	8410	8510
Mild Steel	.840	1/2"	14	8111	8211	8311	8411	8511
12" Cast Iron	1.687	1-1/4"	8	8120	8220	8320	8420	8520
18" Cast Iron	1.687	1-1/4"	8	8121	8221	8321	8421	8521
24" Cast Iron	1.687	1-1/4"	8	8123	8223	8323	8423	8523
Stainless Steel Type 304	.405	1/8"	20	8130	8230	8330	8430	8530
Stainless Steel Type 304	.540	1/4"	14	8131	8231	8331	8431	8531
Inconel Std.	.840	1/2"	8	8140	8240	8340	8440	8540
Inconel Std.	1.050	3/4"	8	8141	8241	8341	8441	8541
Inconel Ex. Heavy	1.050	3/4"	8	8142	8242	8342	8442	8542
Inconel Ex. Heavy	1.315	1"	8	8142	8242	8342	8443	8543
Chrome Iron	.840	1/2"	8	8150	8250	8350	8450	8550
Chrome Iron	1.050	3/4"	8	8151	8251	8351	8451	8551
12" Nu-Die	1.315	1"	8	8160	8260	8360	8460	8560
15" Nu-Die	1.315	1"	8	8161	8261	8361	8461	8561
18" Nu-Die	1.315	1"	8	8162	8262	8362	8462	8562
24" Nu-Die	1.315	1"	8	8163	8263	8363	8463	8563
30" Nu-Die	1.315	1"	8	8164	8264	8364	8464	8564
12" Silicon Carbide	1.750	1/2"	8	8170	8270	8370	8470	8570
18" Silicon Carbide	1.750	1/2"	8	8171	8271	8371	8471	8571
24" Silicon Carbide	1.750	1/2"	8	8172	8272	8372	8472	8572
30" Silicon Carbide	1.750	1/2"	8	8173	8273	8373	8473	8573
36" Silicon Carbide	1.750	1/2"	8	8174	8274	8374	8474	8574
42" Silicon Carbide	1.750	1/2"	8	8175	8275	8475	8475	8574

* **TO ORDER:** Specify catalog number and length, order thermocouple separately.

† **NOTE:** Silicon Carbide thermocouples have mild steel insert extending 2-1/2" to head or elbow.

Silicon Carbide protection tubes normally sold without inserts, add the letter "I" to the catalog number if you want the inserts.

INSULATED THERMOCOUPLE WIRE

INSULATED DUPLEX CONDUCTOR THERMOCOUPLE GRADE WIRE

INSULATION EACH CONDUCTOR	OVERALL	MAX TEMP.	B&S GAUGE AND TYPE	CALIBRATION	SIZE	CATALOG NUMBER
Silicone Impregnated 0.006" Glass Braid	Silicone Impregnated 0.006" Glass Braid	900°F	20—Solid	Iron/Constantan (J)	.057 x .102	4720
				Chromel/Alumel (K)		4820
				Copper/Constantan (T)		4920
			24—Solid	Iron/Constantan (J)	.045 x .078	4722
				Chromel/Alumel (K)		4822
				Copper/Constantan (T)		4922
Silicone Impregnated Double 0.006" Glass Braid	Silicone Impregnated 0.006" Glass Braid Stainless Stl. Overbraid	900°F	20—Stranded	Iron/Constantan (J)	.072 x .132	4724
				Chromel/Alumel (K)		4824
				Iron/Constantan (T)		4736
Extruded 0.008" Teflon †	Extruded 0.010" Teflon †	400°F	20—Solid	Iron/Constantan (J)	.070 x .120	4726
				Chromel/Alumel (K)		4826
Fused Teflon † Tape 0.005"	Fused Teflon † Tape 0.005"	500°F	24—Solid	Iron/Constantan (J)	.047 x .078	4728
				Chromel/Alumel (K)		4828
Fused KAPTON* Tape 0.004"	None-Twisted	700°F	20—Solid	Iron/Constantan (J)	.087	4730
				Chromel/Alumel (K)		4830
			24—Solid	Iron/Constantan (J)	.063	4732
				Chromel/Alumel (K)		4832
Extruded Polyvinyl 0.012"	None-Wires Molded Together Ripcord Construction	-20° to +221°F	24—Solid	Iron/Constantan (J)	.048 x .096	4734
				Chromel/Alumel (K)		4834
				Copper/Constantan (T)		4924

INSULATED DUPLEX CONDUCTOR THERMOCOUPLE EXTENSION GRADE LEAD WIRE

INSULATION EACH CONDUCTOR	OVERALL	B&S GAUGE AND TYPE	CALIBRATION	SIZE	CATALOG NUMBER	
Braided Synthetic Fiber .015"	Braided Synthetic Fiber .035"	16—Stranded	Chromel/Alumel (KX)	.160 x .250	5822	
			Iron/Constantan (JX)		5722	
		Plat. 13% or 10% (RX or SX)	5622			
Polyvinyl .012"	PolyVinyl .016"	14—Solid	Chromel/Alumel (KX)	.164 x .258	5823	
			Chromel/Alumel (KX)		5824	
		20—Stranded	Iron/Constantan (JX)	.115 x .190	5724	
			Chromel/Alumel (KX)		5826	
			Iron/Constantan (JX)		.092 x .150	5726
			Plat. 13% or 10% (RX or SX)			5624
			Copper/Constantan (TX)			5920
Polyvinyl .015"	Twisted with Cotton Filler +.030 Polyvinyl	17—Stranded	Chromel/Alumel (KX)	.250"	5828	
			Iron/Constantan (JX)		5728	
			Plat. 13% or 10% (RX or SX)		5628	
PVC (Drain Computer)	PVC Twisted/ Aluminum Mylar	20—Solid	Iron/Constantan (JX)	.200"	5734	
Extruded Teflon †	Extruded Teflon †	20—Stranded	Iron/Constantan (JX)	.160 x .100	5730	
			Chromel/Alumel (KX)		5830	

COLOR CODE: THERMOCOUPLE GRADE

- TYPE J** (Iron-White; Constantan-Red; Overall-Brown with Black Tracer.)
TYPE K (Chromel-Yellow; Alumel-Red; Overall-Brown with Yellow Tracer.)
TYPE T (Copper-Blue; Constantan-Red; Overall-Brown With Blue Tracer)

COLOR CODE: EXTENSION GRADE

- TYPE J** (Iron-White; Constantan-Red; Overall-Black;)
TYPE K (Chrome-Yellow; Alumel-Red; Overall-Yellow;)
TYPE T (Copper-Blue; Constantan-Red; Overall-Blue;)
TYPE R or S (Copper-Black; No. 11 Alloy-Red; Overall-Green.)

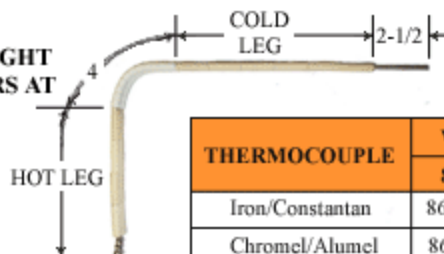
(ON ALL TYPES, NEGATIVE SIDE IS COLORED RED)**NON-INSULATED SINGLE CONDUCTOR THERMOCOUPLE GRADE WIRE (BARE)**

DIAMETER INCHES	B & S GAUGE	IRON	CONSTANTAN	CHROMEL	ALUMEL
.1285	8	6012	6022	6032	6042
.0641	14	6015	6025	6035	6045
.0508	16	6016	6026	6036	6046
.320	20	6018	6028	6038	6048

NOTE: Consult factory on extra charges for straightening and cutting of bare wire.**BASE METAL REPLACEMENT THERMOCOUPLE ELEMENTS**

WITH DOUBLE BORE INSULATORS ON STRAIGHT SECTIONS AND FISH SPINE BEAD INSULATORS AT BEND.

NOTE: Always specify length of Hot or Cold legs. Manufacturing allowance will always be made for bend and terminal connection.



B&S GAUGE	BARE ELEMENT		DOUBLE BORE INSULATOR		FISH SPINE BEADS*	
	I/C J	C/A K	I/C J	C/A K	I/C J	C/A K
8	8671	8672	8681	8682	8691	8692
14	8673	8674	8683	8684	8693	8694
20	8675	8676	8685	8686	8695	8396

*Fish spine beads not shown. Always give "specified length" when ordering.