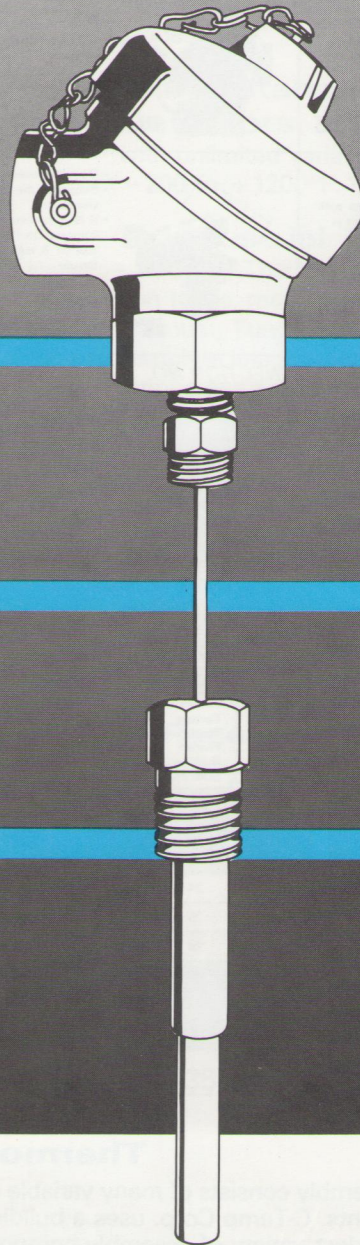


THERMOWELL ASSEMBLIES



1

2

3

Thermocouple Screw Cover Heads

Illustrated in Table A is a wide variety of screw cover heads for thermocouple and RTD assemblies. Choose the required head along with the required connection from Table B and specify the code number in block no. 1.

Table A


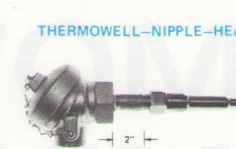
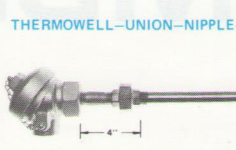
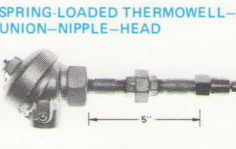
 Part # HECAT () 1	• Explosion proof • Cast aluminum body & cap • Rated for: Class I, Groups C, D, Class II, Groups E, F, G, Class III • ½ NPT process with ½ NPT conduit is standard • For use with 2-wire transmitter	 Part # HECA () 2	• Explosion proof • Cast aluminum body & cap • For use with 2-wire transmitter • Rated for Class I, Groups C, D, Class II, Groups E, F, G, Class III • ½ NPT process with ½ NPT conduit is standard
 Part # HUCCI () 3	• Universal head • Cast iron • Heavy duty • ½ NPT process with ½ NPT conduit is standard	 Part # HUCA () 4	• Universal head • Cast aluminum • ½ NPT process with ½ NPT conduit is standard
 Part # HSCI () 5	• Cast iron • Heavy duty • For use where larger universal head is not required • ½ NPT process with ½ NPT conduit is standard	 Part # HSCA () 6	• Die cast aluminum • Slightly smaller than type HUCA • ½ NPT process with ½ NPT conduit is standard
 Part # HLCA () 7	• Cast aluminum • Light weight • ½ NPT process with ½ NPT conduit is standard	 Part # HMCA () 0	• Miniature head • Burnished die cast aluminum • ½ NPT process with compression fitting adapter & rubber ferrule

() INSERT CONNECTION NO.

Thermocouples & RTD Connection Head Assemblies

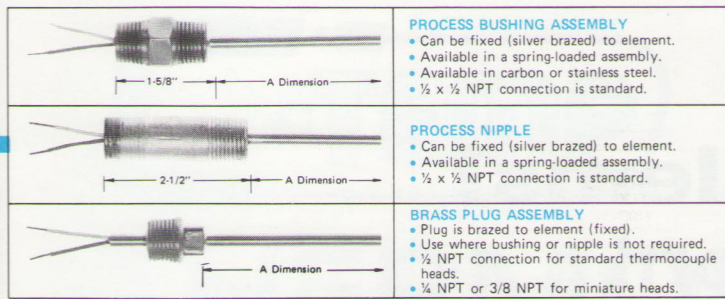
Illustrated in Table B and C are the basic types of connection assemblies used to complete a thermowell assembly. Choose the preferred connection type required, then refer to Table D below for the correct code number in step 1.

Table B

 THERMOWELL-BUSHING-HEAD	FIXED Probe Welded To Bushing	STANDARD Probe Is Not Welded To Bushing	SPRING LOADED For Positive Contact To Bottom Of Thermowell
	SS CS 1() 2()	SS CS 5() 6()	SS CS 10() 11()
 THERMOWELL-NIPPLE-HEAD	FIXED 3()	STANDARD 7()	SPRING LOADED 12()
 THERMOWELL-UNION-NIPPLE-HEAD		STANDARD 8()	SPRING LOADED 13()
 SPRING-LOADED THERMOWELL-NIPPLE-UNION-NIPPLE-HEAD		STANDARD 9()	SPRING LOADED 14()

INSERT HEAD NO. ()

Table C



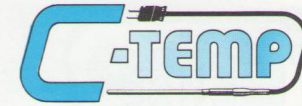
2. Select the thermocouple or RTD required for your application.
EXAMPLE: A 100 OHM .00385 Ω Ω °C Platinum RTD operating at 400 °F with a .250 dia. sheath of 304SS, to fit a 7½ in. "U" standard thermowell and 3 wire leads. Part number would be A-Px-1-25-3-1-12-X

3. Select the thermowell required, insert order code.
EXAMPLE: A standard threaded ½ NPT process 7½ in. "U" dim. 316SS thermowell would be Code 113.

Step 2

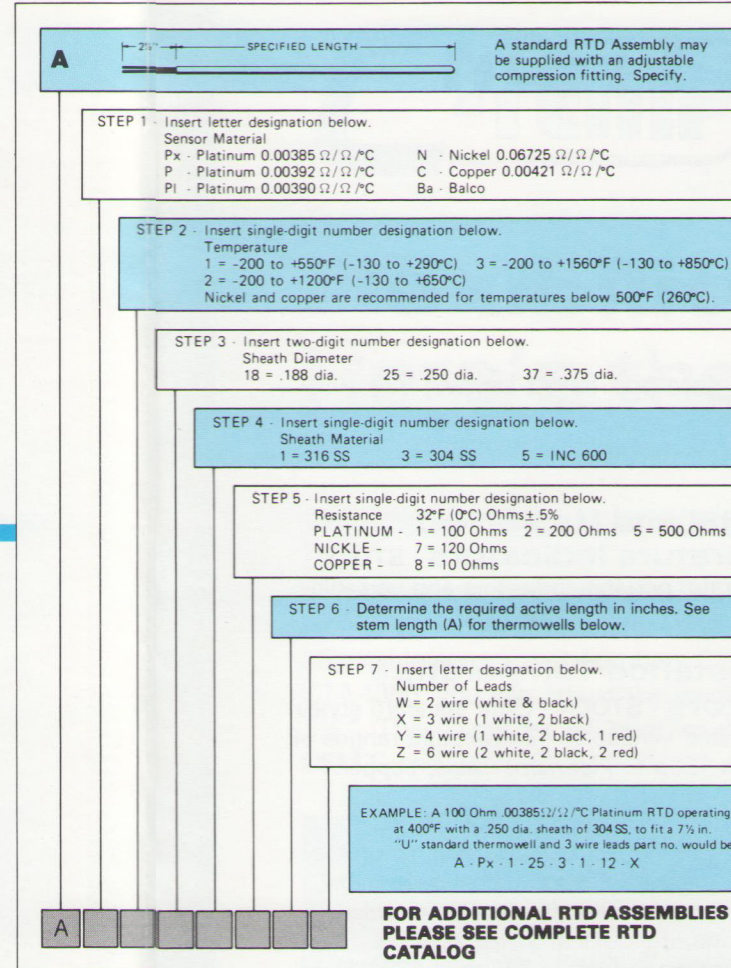
Step 3
OPTIONAL

Example: A complete part number consisting of the components above would be: Step 1 = 14 Step 2 = A-Px-1-25-3-1-12-X Step 3 = TW113 The complete part no. would be 14-A-Px-1-25-3-1-12-X-TW113

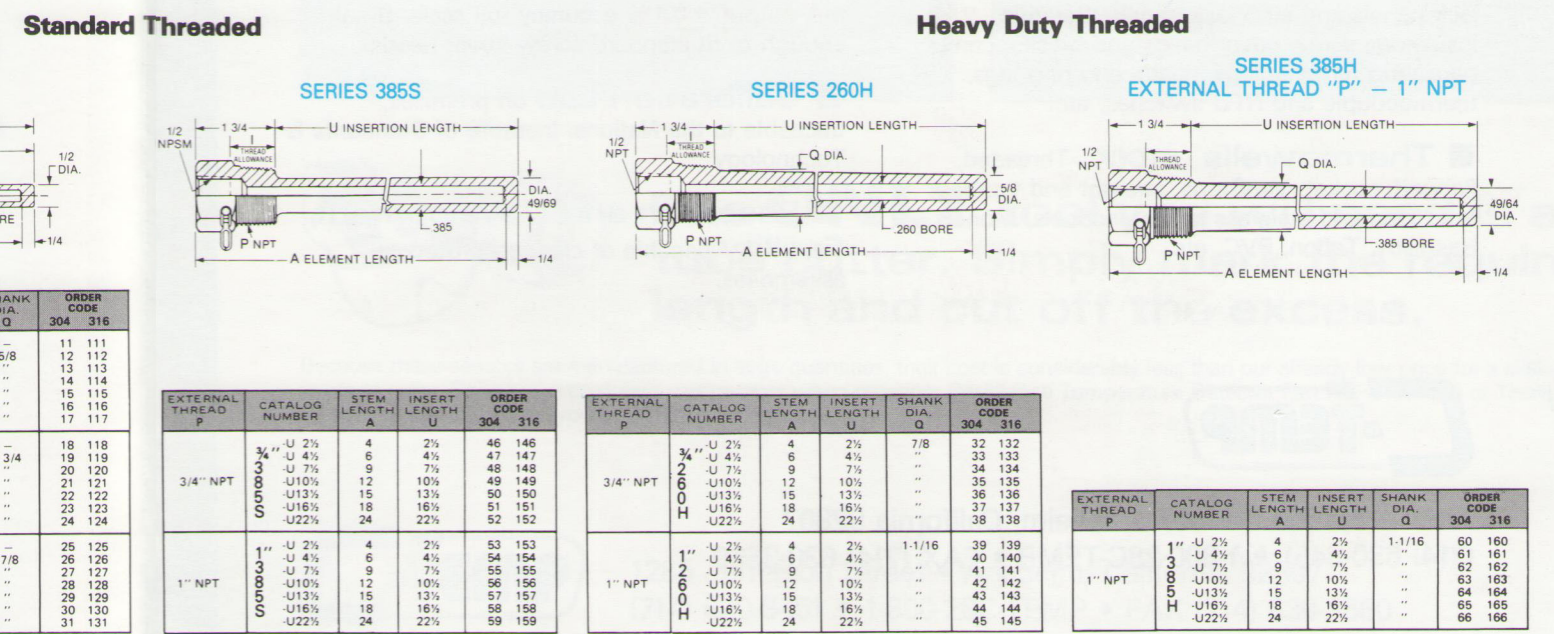


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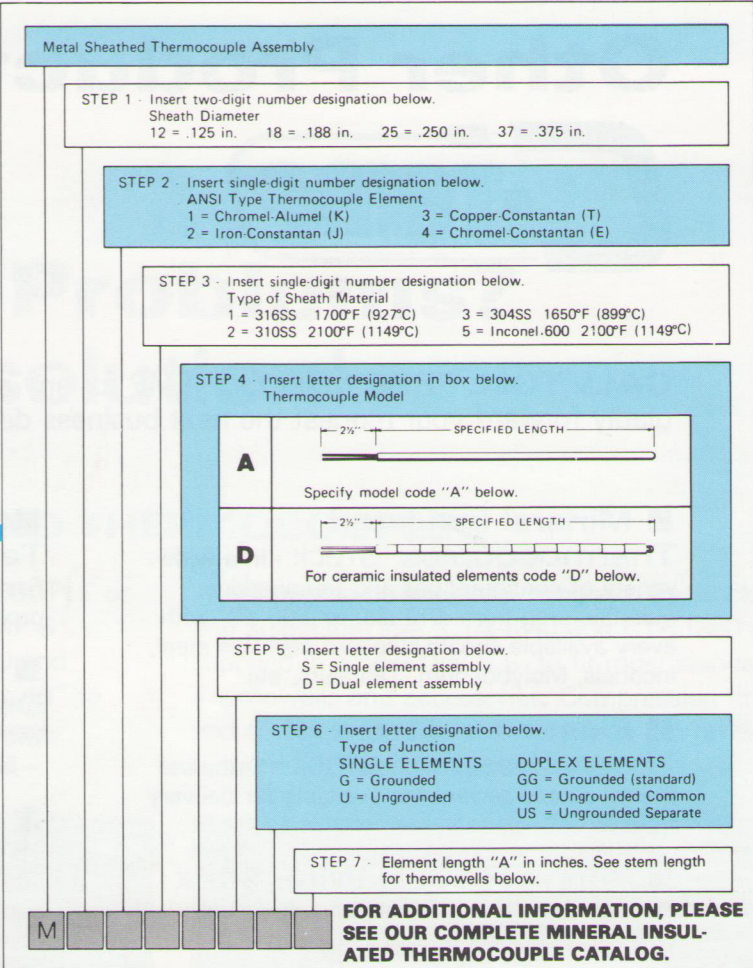
Resistance Temperature Detectors for Thermoassemblies



Thermowells for 1/4" and 3/8" Diameter Elements



Metal Sheathed Thermocouples for Thermoassemblies



1. Choose the desired thermocouple head and connection required. See tables.
EXAMPLE: A welded S.S. hex bushing Code 1 () with a universal cast aluminum head Code () 4 would be Code 14.

Table D

THERMOCOUPLE HEADS	FIXED (Silver Brazed)				STANDARD					SPRING LOADED				
	1()	2()	3()	4()	5()	6()	7()	8()	9()	10()	11()	12()	13()	14()
From TABLE A	Stainless Steel Process Bushing Code	Carbon Steel Process Bushing Code	Nipple Code	Brass Plug Code	Stainless Steel Process Bushing Code	Carbon Steel Process Bushing Code	Nipple Code	Nipple Union Code	Nipple Union Code	Stainless Steel Process Bushing Code	Carbon Steel Process Bushing Code	Nipple Code	Nipple Union Code	Nipple Union Code
HECAT () 1	11	21	31	41	51	61	71	81	91	101	111	121	131	141
HECA () 2	12	22	32	42	52	62	72	82	92	102	112	122	132	142
HUCCI () 3	13	23	33	43	53	63	73	83	93	103	113	123	133	143
HUCA () 4	14	24	34	44	54	64	74	84	94	104	114	124	134	144
HSCI () 5	15	25	35	45	55	65	75	85	95	105	115	125	135	145
HSCA () 6	16	26	36	46	56	66	76	86	96	106	116	126	136	146
HLCA () 7	17	27	37	47	57	67	77	87	97	107	117	127	137	147
WITHOUT HEAD () 8	18	28	38	48	58	68	78	88	98	108	118	128	138	148
HMCA () 9	19	29	39	49	59	69	79	89	99	109	119	129	139	149
HMWS HMWH () 0	-	-	-	50 50H	-	-	-	-	-	-	-	-	-	-

Thermowell Assemblies
A thermowell assembly consists of many variable components depending on customer specifications and environmental requirements. C-Temp Corp. uses a building-block approach to achieving the correct assemblies, offering customers the widest variety of assembly components in our industry.

SPECIFY ORDER CODE NO. For additional thermowells, please see our complete thermowell catalog.

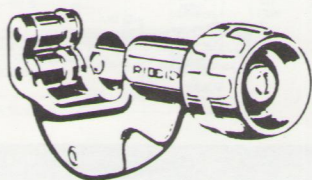
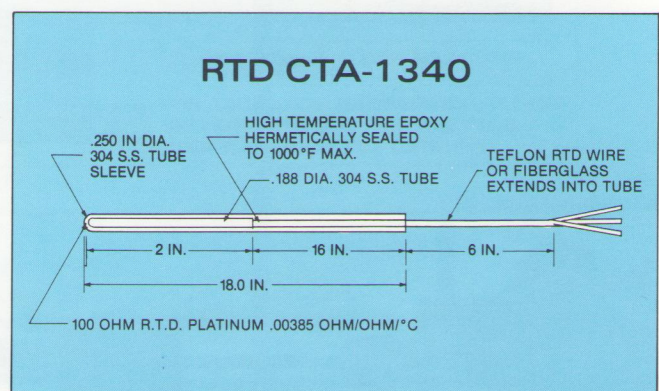
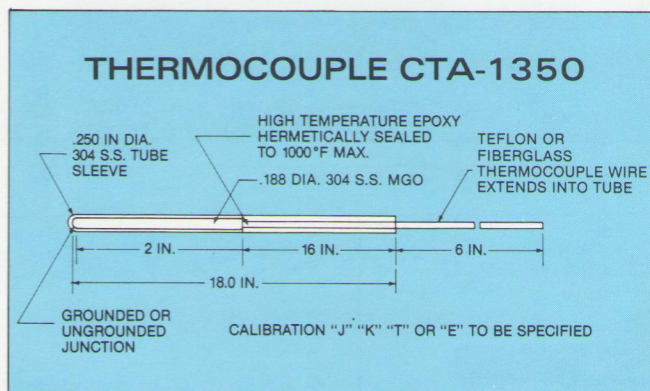


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Not having the correct length THERMOCOUPLE or RTD is no longer a problem. With C-TEMP'S adjustable sensor part numbers CTA-1340 and CTA-1350, you can adjust the length from 18" to 2½". These sensors are ideal for distributors, OEM'S and users. Their flexibility allows

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The **ONLY** tool you will need is a tube cutter. Simply mark the required length and cut off the excess.

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Thermocouples - STOCK - Complete thermocouple assemblies available for delivery from stock.

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Accessories - STOCK - A large variety of standard plugs, jacks, compression fittings (miniature as well as ceramic high temperature), jack panels and strip jack panels. Ceramic insulators, screw cover heads and blocks, compensating terminal lugs, spade and ring lugs, thermocouple and RTD switches, etc.

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