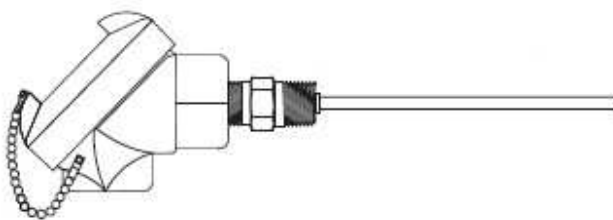
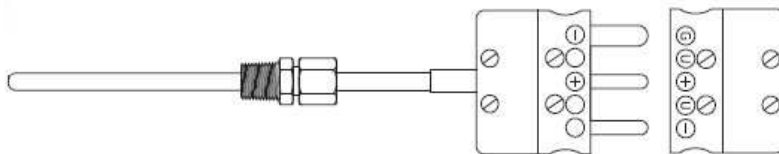




ThermoCouple Innovations, Inc

Resistance Temperature Detectors



PHONE (951)215-7070 WWW.TCI-INC.COM

RTD ASSEMBLIES

HOW TO CONSTRUCT A PART NUMBER

Table 1 (Style): See next page and choose the Style which best suits your application and enter below

Table 2 (Connection Head)

HEAD CODES	
0	= NO HEAD
1	= CAH (CAST ALUMINUM)
2	= CIH (CAST IRON)
3	= PPH (POLYPROPYLENE)
4	= EPH (EXPLOSION PROOF)
5	= MAH (MINI ALUMINUM)
6	= (SPECIAL)

Table 3 (Temperature Coefficient (Alpha) Range. CLS "A" STD)
Other Alphas available. Consult Factory

CODE	ALPHA	MAX TEMP. RANGE
PLATINUM		
ES	0.00385	-70 to 500F (-55 to 260 C)
EH	0.00385	-328 to 1200F (-200 to 650 C)
AS	0.00392	-70 to 500F (-55 to 260 C)
AH	0.00392	-328 to 1200F (-200 to 650 C)

Table 4 (Sheath Diameter)

CODE	10	20	30	40	50	60	70	80
SIZE	.062"	.090"	.125"	.188"	.250"	.312"	.375"	.500"

Table 5 (Sheath Material) *NOT AVAILABLE IN SOME DIAMETERS

CODE	MATERIAL	TEMP. RATING
1	304 S. Steel	1650 F (899 C)
2	310 S. Steel	2100 F (1149 C)
3	316 S. Steel	1700 F (927 C)
4	Inconel 600	2100 F (1149 C)
5*	Hastelloy C	2300 F (1260 C)
6*	Molybdenum	4000 F (2200 C)



Table 6 (Resistance Value in Ohms @32F (0 C))

CODE	OHMS
1	100 OHMS
2	200 OHMS
5	500 OHMS
7	1000 OHMS

Table 7 (Number of Leads)

CODE	WIRE
P	2 WIRES (1 WHITE & 1 RED)
T	3 WIRES (1 WHITE AND 2 RED)
F	4 WIRES (2 WHITE AND 2 RED)
S	6 WIRES (1 WHITE AND 2 RED) (DUAL ELEMENT) WHITE AND 2 BLK)

Table 8 "P" (Process length in inches)

Example: 048C= 48-1/2"

CODE	A	B	C	D	E
FRACTIONS	0	1/4"	1/2"	3/4"	SPL

Table 9 "L" (Lead length if Applicable)

SPECIFY LENGTH INCHES
IF NOT NEEDED USE "000"

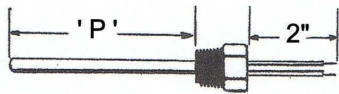
Table 10 (Options)

CODE
N = None
X = See Description

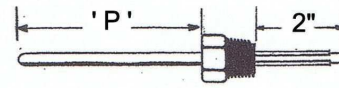
THERMOCOUPLE INNOVATIONS, INC. 1251 POMONA ROAD, UNIT 106 CORONA, CA 92880

PHONE (951) 215-7070 FAX (951) 279-1641 WEBSITE: WWW.TCI-INC.COM

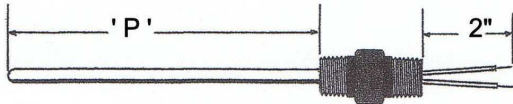
#300 FIXED S.S. HEX BUSHING TOWARDS PROCESS



#310 FIXED S.S. HEX BUSHING TOWARDS COLD END

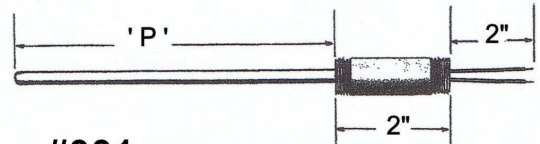


#320 FIXED S.S. HEX NIPPLE



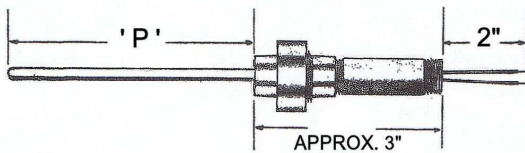
#321 SPRING LOADED S.S. HEX NIPPLE

#330 FIXED C.S. NIPPLE



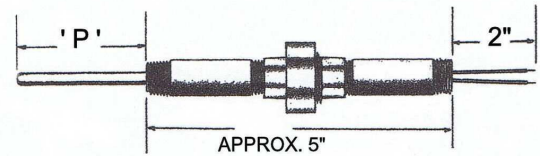
#331 SPRING LOADED C.S. NIPPLE

#340 FIXED C.S. NIPPLE AND UNION



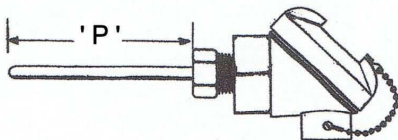
#341 SPRING LOADED C.S. NIPPLE AND UNION

#350 FIXED C.S. NIPPLE, UNION, NIPPLE

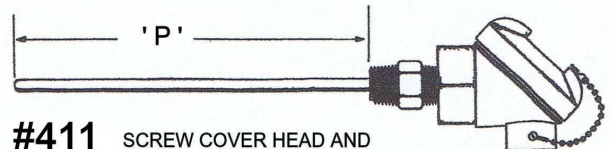


#351 SPRING LOADED C.S. NIPPLE, UNION, NIPPLE

#400 SCREW COVER HEAD AND FIXED BUSHING

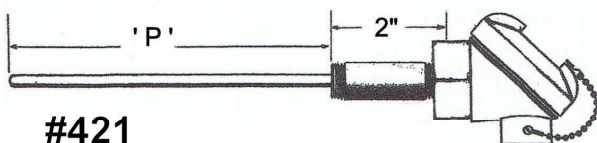


#410 SCREW COVER HEAD AND FIXED S.S. HEX NIPPLE



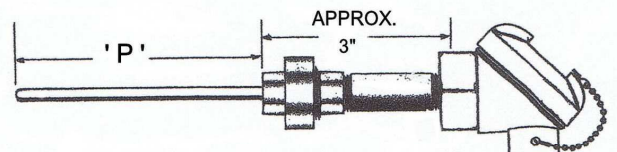
#411 SCREW COVER HEAD AND SPRING LOADED S.S. HEX NIPPLE

#420 SCREW COVER HEAD AND FIXED C.S. NIPPLE



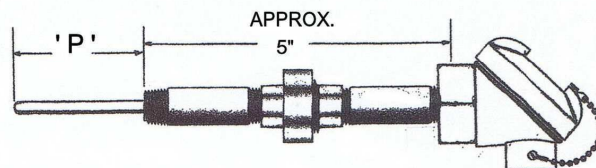
#421 SCREW COVER HEAD AND SPRING LOADED C.S. NIPPLE

#430 SCREW COVER HEAD AND FIXED C.S. NIPPLE AND UNION



#431 SCREW COVER HEAD AND SPRING LOADED C.S. NIPPLE AND UNION

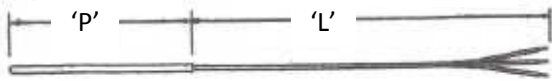
#440 SCREW COVER HEAD AND FIXED C.S. NIPPLE, UNION, NIPPLE



#441 SCREW COVER HEAD AND SPRING LOADED C.S. NIPPLE, UNION, NIPPLE

#100

TEFLON LEADS ('L')

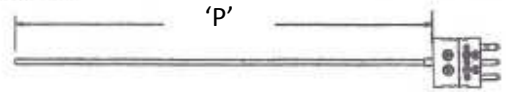


STANDARD TEMPERATURE RANGE CONSTRUCTION



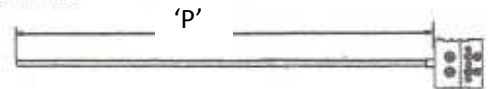
HIGH TEMPERATURE RANGE CONSTRUCTION

#130



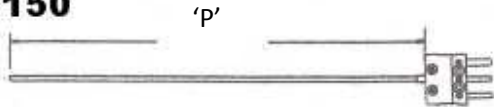
#140

STD. PLUG



STD. JACK

#150



MINI PLUG

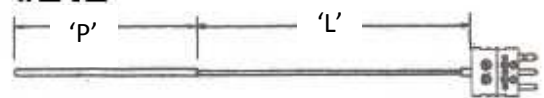
#160



MINI JACK

#212

TEFLON LEADS ('L')



STANDARD TEMPERATURE RANGE CONSTRUCTION



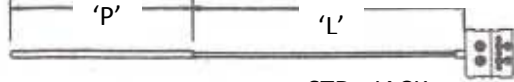
STD. PLUG

STD. PLUG

HIGH TEMPERATURE RANGE CONSTRUCTION

#222

TEFLON LEADS ('L')



STD. JACK

STANDARD TEMPERATURE RANGE CONSTRUCTION



STD. JACK

HIGH TEMPERATURE RANGE CONSTRUCTION

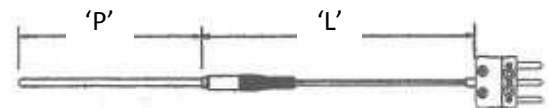
#232

TEFLON LEADS ('L')



MINI PLUG

STANDARD TEMPERATURE RANGE CONSTRUCTION

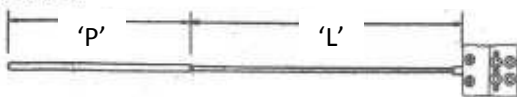


MINI PLUG

HIGH TEMPERATURE RANGE CONSTRUCTION

#242

TEFLON LEADS ('L')



MINI JACK

STANDARD TEMPERATURE RANGE CONSTRUCTION



MINI JACK

HIGH TEMPERATURE RANGE CONSTRUCTION