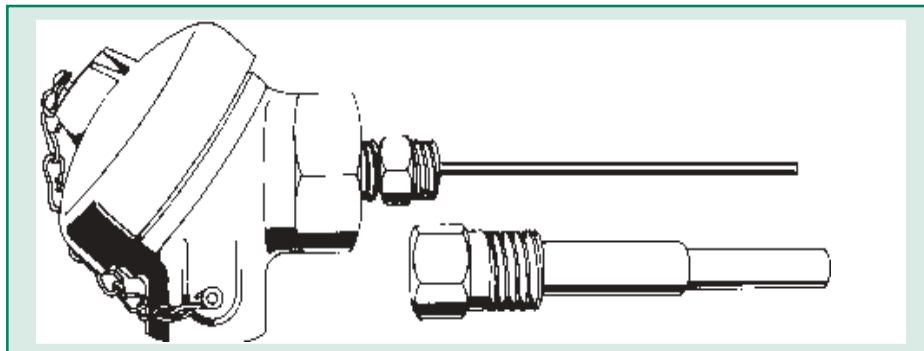




RTD's (Resistance Temperature Detectors)



How to Order

Construct part number from table D below.

For Thermowell Assembly: Insert part number obtained below into assembly part number on page 31.

RTD Styles

	A
<p>A standard RTD Assembly may be supplied with an adjustable compression fitting. Specify.</p>	
	B
<p>Welded $\frac{1}{2}$ NPT Std.</p> <p>A standard $\frac{1}{2}$ x $\frac{1}{2}$ NPT stainless bushing is welded to the element sheath. $\frac{1}{4}$ x $\frac{1}{4}$ and $\frac{3}{4}$ x $\frac{3}{4}$ are available. Specify.</p>	
	C
<p>A quick-disconnect male plug is mounted on the cold end of the element. Two or three prong standard plugs are available. Two prong miniature plugs are available. Specify.</p>	
	D
<p>A quick-disconnect female jack is mounted on the cold end of the element. Two or three prong standard jacks are available. Two prong miniature jacks are available. Specify.</p>	
	E
<p>This RTD is terminated with an "O" ring seal. Canister Head.</p>	
	H
<p>Spring Loaded $\frac{1}{2}$ NPT Std.</p> <p>A standard $\frac{1}{2}$ x $\frac{1}{2}$ NPT stainless hex bushing allows the element to be spring-loaded up to $\frac{1}{2}$.</p>	

TABLE D Resistance Temperatures Detectors

STEP 1 - RTD Style																						
Choose from "Styles" table. Insert letter below. (for thermowell assemblies, specify style "A")																						
STEP 2 - Sensor Material (Px is standard)																						
Insert letter designated below.																						
Px - Platinum 0.00385 $\Omega/\Omega/^\circ\text{C}$	N - Nickel 0.06725 $\Omega/\Omega/^\circ\text{C}$																					
P - Platinum 0.00392 $\Omega/\Omega/^\circ\text{C}$	C - Copper 0.00421 $\Omega/\Omega/^\circ\text{C}$																					
Pl - Platinum 0.00390 $\Omega/\Omega/^\circ\text{C}$	Ba - Balco																					
STEP 3 - Temperature																						
Insert single-digit number designated below.																						
1 (standard) -200 / +400°F (-130 TO +200°C)	<i>Special Ranges available on application</i>																					
2 (hi temp) -200 / +1100°F (-130 To +600°C)																						
STEP 4 - Sheath Diameter																						
Insert two-digit number designated by designated below.																						
18 = .188 dia.	25 = .250 dia.	37 = .375 dia.																				
STEP 5 - Sheath Material																						
Insert single-digit number designated below.																						
1 = 316 SS	3 = 304 SS	5 = INC 600																				
STEP 6 - Resistance 32°F (0°C) Ohms $\pm 5\%$ (#1 IS STANDARD)																						
Insert single-digit number designated below.																						
(STD) Platinum - 1 = 100 Ohms	2 = 200 Ohms	5 = 500 Ohms																				
Nickel -	7 = 120 Ohms																					
Copper -	8 = 10 Ohms																					
STEP 7 - Determine the required length "L" in inches																						
For Thermowell assemblies, specify "AR" (as required)																						
STEP 8 - Number of Leads/RTD's																						
Single RTD	Leads/RTD	Duplex RTD																				
W	2-wire	WW																				
X	3-wire	XX																				
Y	4-wire	YY																				
STEP 9 - Lead Length																						
Specify lead length "B" in inches. (Omit for T/W assemblies, or where N/A)																						
<table border="1" style="width: 100%; height: 20px;"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																						

Need something you don't see?
Call REOTEMP for information.
•1-800-648-7737•



How to Order

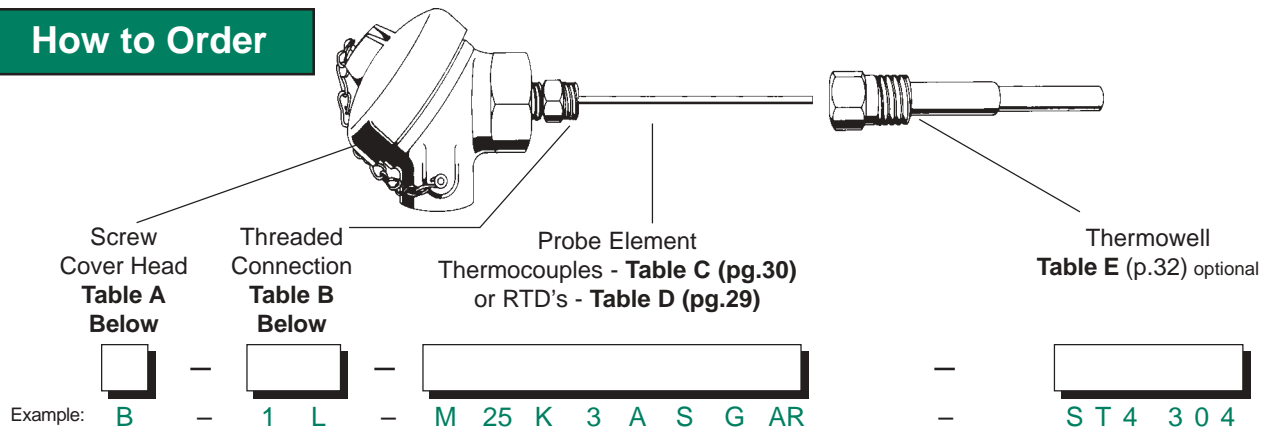




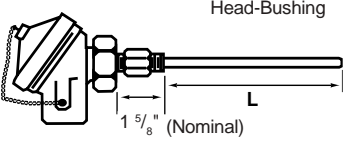
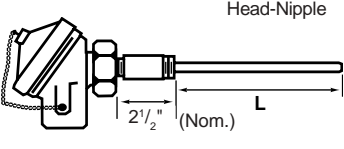
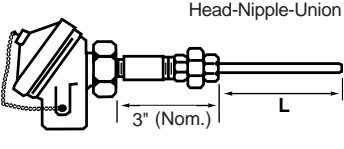
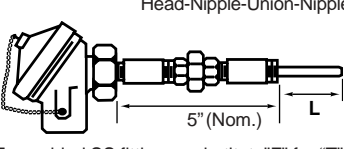


TABLE A	Screw Cover Heads
UNIVERSAL CAST IRON	TYPE A
	<ul style="list-style-type: none"> Universal head Cast iron Heavy Duty 1/2 NPT process with 3/4 NPT conduit is standard
UNIVERSAL CAST ALUMINUM	TYPE B
	<ul style="list-style-type: none"> Universal head Cast aluminum 1/2 NPT process with 3/4 NPT conduit is standard
FDA WHITE POLY	TYPE S
	<ul style="list-style-type: none"> Screw cover Poly head Impervious to most corrosive media 1/2 NPT process with 3/4 NPT conduit SS Chain & Screws
EXPLOSION PROOF	TYPE E
	<ul style="list-style-type: none"> Explosion Proof Cast aluminum body & cap For use with two wire transmitter Rated for Class I, Groups C, D, Class II, Groups E, F, G, Class III 1/2 NPT process with 1/2 NPT conduit is standard

Transmitters - Specify 4-20mA transmitter by adding "X" to head type.
Example: Type B head with Transmitter = **BX** (specify Temp. Range)

Terminal Blocks - Standard in all heads.

TABLE B	Threaded Connection Configuration
CONFIGURATION: Dimensions are approximate. (with thermowell, sheath length "L" does not have to be specified)	Stems are spring loaded* for positive contact with bottom of thermowell.
	Standard Steel Fittings 316 SS Fittings
 <p>Head-Bushing</p>	1L 1T
 <p>Head-Nipple</p>	2L 2T
 <p>Head-Nipple-Union</p>	3L 3T
 <p>Head-Nipple-Union-Nipple</p>	4L 4T
* For welded SS fittings, substitute "F" for "T" Example: 1F	

Also Available:

- Thermocouple Wire
- Transmitters
- Multipoint Thermocouple Assemblies
- Protection Tubes
- Stainless Steel Fittings