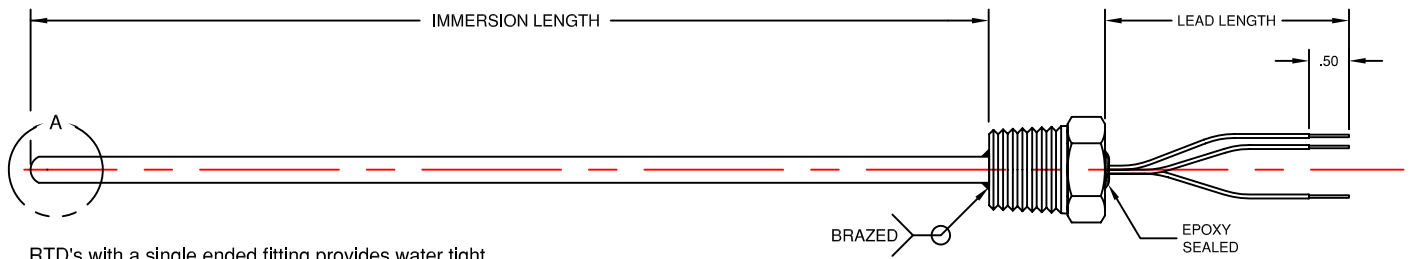
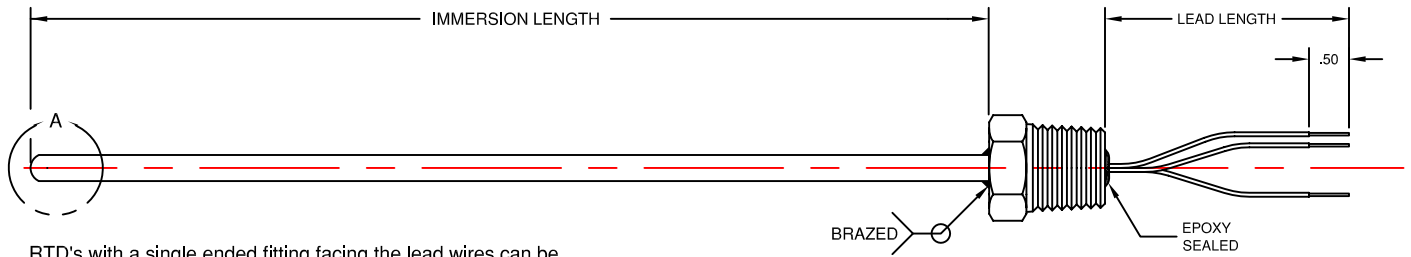


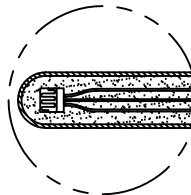
# IMMERSION RTD'S



RTD's with a single ended fitting provides water tight connection into the process. lead wire can be connected to a terminal strip mounted anywhere on the equipment.



RTD's with a single ended fitting facing the lead wires can be used to attached conduit, junction boxes, connection heads with terminal block or transmitter. Compressing fittings are available for mounting into the process.



DETAIL A  
(LT & MT)



DETAIL A  
(CE & HT)

## ORDERING CODE

### HT TEMPERATURE RANGE

CODE	SHEATH DIAMETER	AVAILABILITY (W=WIRES,T=TOTAL)					
		SINGLE			DUPLEX		
		2W	3W	4W	2W(4T)	3W(6T)	4W(8T)
18	1/8" (3.2mm)						
316	3/16" (4.8mm)	●	●	●	●	●	
14	1/4" (6.4mm)	●	●	●	●	●	

CODE	TEMPERATURE RANGE
LT	-58° F to 500° F (-50° C to 260° C)
MT	-58° F to 752° F (-50° C to 400° C)
CE	-292° F to 932° F (-180° C to 500° C)
HT	-292° F to 1202° F (-180° C to 650° C)

### MT TEMPERATURE RANGE

CODE	SHEATH DIAMETER	AVAILABILITY (W=WIRES,T=TOTAL)					
		SINGLE			DUPLEX		
		2W	3W	4W	2W(4T)	3W(6T)	4W(8T)
18	1/8" (3.2mm)	●	●	●	●	●	
316	3/16" (4.8mm)	●	●	●	●	●	
14	1/4" (6.4mm)	●	●	●	●	●	

### LT & CE TEMPERATURE RANGE

CODE	SHEATH DIAMETER	AVAILABILITY (W=WIRES,T=TOTAL)					
		SINGLE			DUPLEX		
		2W	3W	4W	2W(4T)	3W(6T)	4W(8T)
18	1/8" (3.2mm)	●	●	●	●	●	
316	3/16" (4.8mm)	●	●	●	●	●	
14	1/4" (6.4mm)	●	●	●	●	●	

CODE	STRUCTURE
	SINGLE (LEAVE BLANK)
D	DUPLEX

CODE	IMMERSION LENGTH (IN INCHES)
	LT & MT 28 INCHES MAXIMUM

CODE	LEAD LENGTH (IN INCHES)

CODE	THREAD SIZE
1/8	1/8" NPT
1/4	1/4" NPT
1/2	1/2" NPT

CODE	THREAD DIRECTION
P	PROCESS
H	HEAD

CODE	ACCURACY (ASTM E1137)
	CLASS B (LEAVE BLANK)
CLA	CLASS A

HT NOT AVAILABLE IN CLASS A

CODE	SYSTEM
2W	2 WIRE
	3 WIRE (LEAVE BLANK)*
4W	4 WIRE

\*Single or Duplex

1642 - 14 - CE - 12 - 6 - 1/2 - P - CLA -

## SPECIFICATIONS

### RTD Element, LT & MT

Type: Platinum, Thin Film  
Resistance @ 0° C: 100 OHMS  
Temperature Coefficient of Resistance: .00385  
Sheath Material: 316 Stainless Steel  
Insulation: Teflon(FEP)

### RTD Element, CE

Type: Platinum, Wire Wound  
Resistance @ 0° C: 100 OHMS  
Temperature Coefficient of Resistance: .00385  
Sheath Material: 316 Stainless Steel  
Insulation: Hard Packed MgO

### RTD Element, HT

Type: Platinum, Wire Wound  
Resistance @ 0° C: 100 OHMS  
Temperature Coefficient of Resistance: .00385  
Sheath Material: Inconel 600  
Insulation: Hard Packed MgO

### Lead Wire

Conductor Size: 24 Gauge Stranded  
Conductor Material: TEFLON

### Fitting

Material: 316 Stn. Stl.

### Notes:

(1) For an item that does not fall within the catalog description an (SP) can be added to the ordering code as part of a custom construction.



TEMPERATURE MEASUREMENT DESIGNER'S GUIDE  
WWW.THERMO-ELECTRIC-DIRECT.COM

## SECTION INRD RTD'S with SINGLE ENDED HEX FITTINGS

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