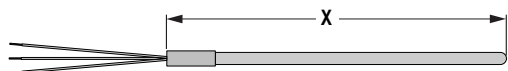


The elements illustrated on this page are replacement elements for the spring loaded RTD assemblies illustrated on catalog page RTD-7, and the replacement elements for spring loaded and fixed length RTD and well assemblies as described in the Special Purpose section.

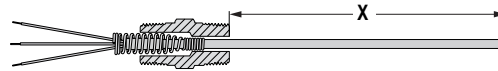
### FIXED LENGTH ELEMENTS

Figure 1



### SPRING LOADED ELEMENTS

Figure 4



### SPRING LOADED ELEMENT

Figure 3



Figure 2

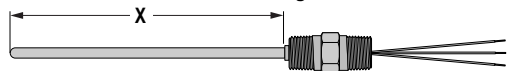
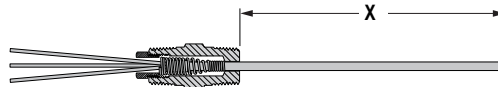


Figure 5



EXAMPLE ORDER NUMBER: **R1T185L 48063 - SL - 601**

1-1 SINGLE PLATINUM RTD ELEMENTS					1-2 316 SS SHEATH		
ELEMENT ACCURACY @ 0°C			SPECS		OD DIAMETERS		
± .1%	± .03%	± .01%	VALUE IN OHMS	TEMP. COEF.	3/16"	1/4"	3/8"
ORDER CODE	ORDER CODE	ORDER CODE			ORDER CODE	ORDER CODE	ORDER CODE
<b>Low Range -328 to 400°F (-200 to 204°C)</b>							
R1T185L	R3T185L	R5T185L	100	.00385	38	48	68
R1T191L	R3T191L		100	.00391	38	48	68
<b>High Range -328 to 1112°F (-200 to 600°C)</b>							
R1T185H	R3T185H	R5T185H	100	.00385	38	48	68
R1T191H	R3T191H		100	.00391	38	48	68
1-3 DUPLEX PLATINUM RTD ELEMENTS					316 SS SHEATH		
ELEMENT ACCURACY @ 0°C			SPECS		OD DIAMETERS		
± .1%	± .03%	± .01%	VALUE IN OHMS	TEMP. COEF.	3/16"	1/4"	3/8"
ORDER CODE	ORDER CODE	ORDER CODE			ORDER CODE	ORDER CODE	ORDER CODE
<b>Low Range -328 to 400°F (-200 to 204°C)</b>							
R1T285L	R3T285L	R5T285L	100	.00385	38	48	68
R1T291L	R3T291L		100	.00391	38	48	68
<b>High Range -328 to 1112°F (-200 to 600°C)</b>							
R1T285H	R3T285H	R5T285H	100	.00385	38	48	68
R1T291H	R3T291H		100	.00391	38	48	68

*For other elements see Table 1-1 on page RTD - 1*

3 SHEATH TERMINATIONS WITHOUT HEX FITTINGS 3" TEFLON LEADS and PIN CONNECTORS		
ORDER CODE	DESCRIPTION	FIG. NO.
27	Plain sheath without spring loading	1
22	Sheath with spring loading	3

1/2" NPT HEX FITTING TERMINATIONS W/3" LEADS			
STEEL ORDER CODE	316 SS ORDER CODE	DESCRIPTION	FIG. NO.
601	801	Fixed or standard spring loaded hex fitting	2 or 4
601SC	801SC	Hex fgt. w/self contained spring (Required with explosion proof heads)	5
601N	801N	Standard hex fgt. w/Buna-N 'O' ring oil seal (250°F)	4
601SCN	801SCN	Hex fgt. w/self contained spring and Buna-N 'O' ring oil seal (250°F)	5

2 ELEMENT STYLE	
ORDER CODE	DESCRIPTION
00	Fixed immersion element style
SL	Spring loaded element style

1-3 'X' SHEATH LENGTH	
ORDER CODE	DESCRIPTION
2 DIGIT	Specify 'X' sheath length in inches using 2 (two) digits
<i>See formulas for determining correct 'X' dimensions for elements in pressure tight wells</i>	

1-4 ELEMENT TYPE	
ORDER CODE	DESCRIPTION
2	Two wire per element
3	Three wire per element
4	Four wire per element (singles only)

"X" LENGTH FORMULAS for REPLACEMENT RTD ELEMENTS USED in PRESSURE TIGHT WELLS (Note 1)		
CONSTRUCTION STYLE	REF. FIGURE	DIMENSION FORMULAS
Fixed sheath length no fgt.	1	X = Well "A" + Ext. "E" + 1/2"
Fixed sheath w/hex fitting	2	X = Well "A" + Ext. "E" - 1 1/2"
Spring loaded sheath	3	X = Well "A" + Ext. "E" + 1/2"
Spring loaded hex fitting	4 and 5	X = Well "A" + Ext. "E" - 1"

*Note: To find replacement "X" lengths for standard wells, see table 1 on page RTD - 9*

**Note 1: Deduct 1/2" from calculated "X" lengths for Figures 2, 3, and 4 spring loaded replacement elements when used with head mounted transmitters in Series 300 heads.**