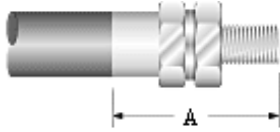
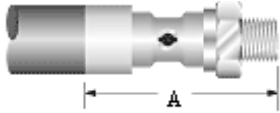


STS Southeast Thermal Systems L.L.C. Tubular Heaters



10-32 Cold rolled steel threaded stud. Standard terminal configuration supplied on .430/.437 and .475/.490 and .625 diameters.



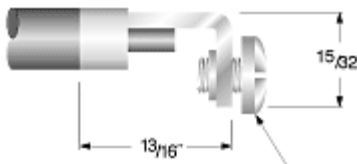
8-32 Nickel plated steel welded stud. Standard terminal configuration supplied on .375, .315, .260 and .210 diameter. 10-32 Stud available

CAT. NO	A
10-32	1"
8-32	1-1/4"

Screw Lug Terminal

A	W	Screw Size
5/8"	1/4"	#6-32
7/8"	5/16"	#8-32
1-1/16"	7/16"	#10-32

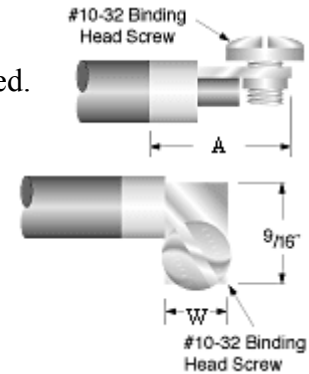
Straight projection welded.



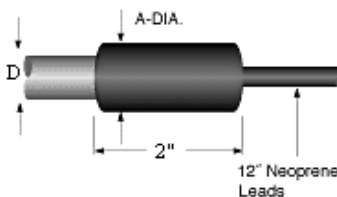
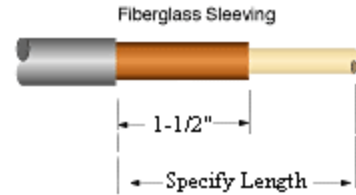
Side projection welded.

#10-32 Binding Head Screw

Right angle projection welded.

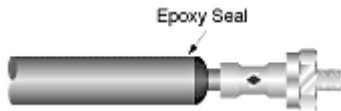


Insulated Lead Wire (specify wire type and gauge) fiberglass insulation sleeving.



Rubber Mold: Maximum temperature at Mold - 220° F/105°C.

12" Neoprene Leads

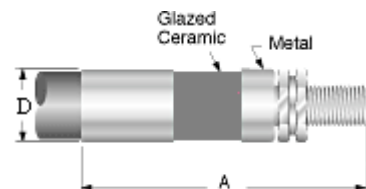


Epoxy seal: Maximum temperature at seal - 265° F/130°C. Epoxy-lite seal - for temperatures to 600° F/315°C.

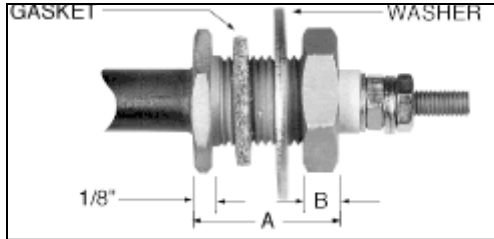
A	D
7/16"	.260
7/16"	.315
5/8"	.430

D	A	Thread Size
.260	1-1/8"	8-32
.315	1-1/8"	10-32
.430	1-5/8"	1/4-28

Hermetic Seal: Max. temp. at seal - 1000°F/538°C.



Bushing and Locator Rings

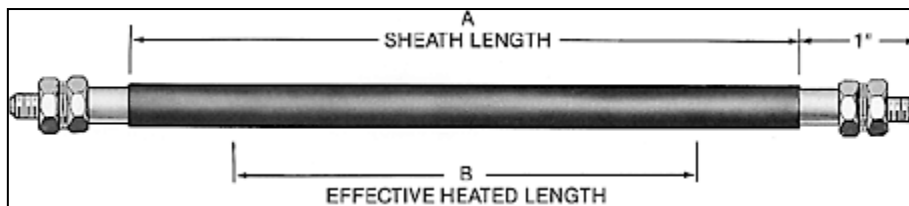


A threaded bushing is brazed, welded or ring staked to the sheath to provide quick, rigid, liquid or air tight mounting through tank walls, oven walls, etc. Consult STS for bushing specifications not shown.

- Available in brass, stainless steel, or steel.
- All bushings furnished with nickel plated washer, compressed non-asbestos gasket and jam nut.
- Hex head bushing standard
- Specify location from end of sheath.
- Locator washers or retaining rings can also be attached to the element.
- Specify O.D., thickness, and distance from end of sheath.

Sheath Dia.	Bushing Thread Size	Hex Dim.	A	B
.250	1/2-20	3/4	5/8	3/16
.312	1/2-20	3/4	5/8	3/16
.375	5/8-18	7/8	7/8	1/4
.430/.437	5/8-18	7/8	7/8	1/4
.475/.490	3/4-16	1	15/16	1/4
.625	7/8-14	1 1/8	1 1/8	1/4

Tubular Heaters



The illustration shows the standard 10-32 thread terminals, but any of the standard terminal figures are available. The sheath length is fully annealed for factory or field bending. The incoloy sheath provides maximum corrosion and oxidation protection. The watt densities listed can be utilized in many air, liquid or solid heating applications and are U.L. recognized and C.S.A. certified components. CE testing and certification can be provided.

STS Southeast Thermal Systems L.L.C. Tubular Heaters

20-23 Watt 430 Dia.

30 Watt 260 Dia.

Sheath Length A	Heated Length B	Watts	Volts
27 ¼	21 ¼	750	240 480
38 ¾	28 ¾	1000	240 480
43	37	1250	240 480
52 ¾	42 ¾	1500	240 480
68 ¾	58 ¾	2000	240 480
83 ¾	73 ¾	2500	240 480
98 ¼	88 ¼	3000	240 480
106 ¼	96 ¼	3333	240 480
132 ¼	122 ¼	4167	240 480
158 ¼	148 ¼	5000	240 480

Sheath Length A	Heated Length B	Watts	Volts
15	10	250	120 240
20	15	400	120 240
25	20	500	120 240
30	25	600	120 240
35	30	800	120 240
40	35	900	120 240
45	40	1000	120 240
50	45	1100	120 240
55	50	1200	120 240
60	55	1400	120 240
65	60	1500	120 240
70	65	1600	120 240
75	70	1800	120 240
80	75	2000	120 240

Sheath Length A	Heated Length B	Watts	Volts
15 ¼	9 ¾	250	120 240
20 ¼	15 ¾	375	120 240
27 ¼	21 ¾	500	120 240
42 ¼	36 ¾	750	120 240
55 ½	50	1000	120 240
80 ½	75	1500	120 240

20-23 Watt 315 Dia.

STS Southeast Thermal Systems L.L.C. Tubular Heaters

30 Watt 430 Dia.

30 Watt 315 Dia.

Sheath Length A	Heated Length B	Watts	Volts
15	10	400	240 480
20	15	600	240 480
25	20	800	240 480
30	25	1000	240 480
35	30	1200	240 480
40	35	1400	240 480
45	40	1600	240 480
50	45	1800	240 480
55	50	2000	240 480
60	55	2200	240 480
65	60	2400	240 480
70	65	2600	240 480
75	70	2800	240 480
80	75	3000	240 480
90	85	3500	240 480
100	95	4000	240 480
110	105	4500	240 480
120	115	5000	240 480

Sheath Length A	Heated Length B	Watts	Volts
15	10	300	120 240
20	15	400	120 240
25	20	600	120 240
30	25	800	120 240
35	30	900	120 240
40	35	1000	120 240
45	40	1200	120 240
50	45	1400	120 240
55	50	1600	120 240
60	55	1700	120 240
65	60	1800	120 240
70	65	2000	120 240
75	70	2200	120 240
80	75	2400	120 240
90	85	2600	120 240
100	95	3000	120 240

FIG. 1

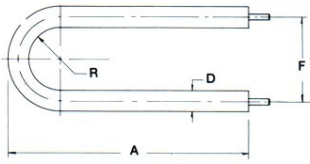


FIG. 2

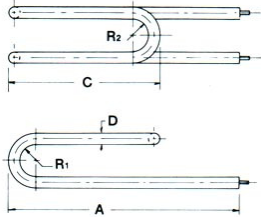


FIG. 3

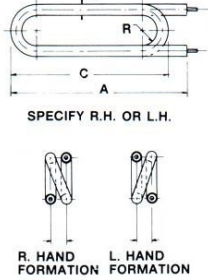


FIG. 4

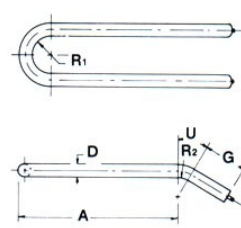


FIG. 5

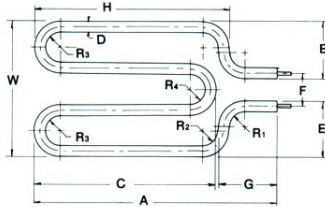


FIG. 6

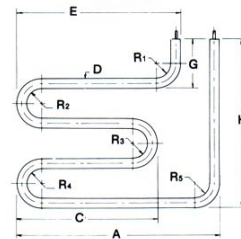


FIG. 7

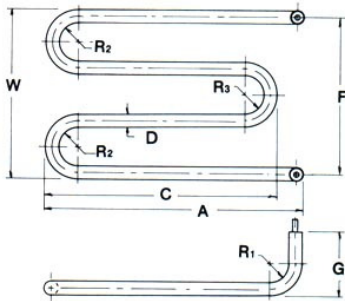


FIG. 8

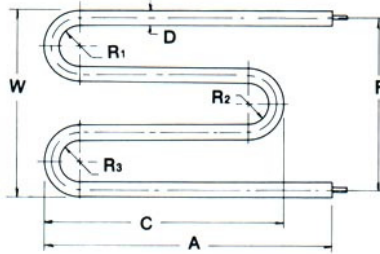


FIG. 9

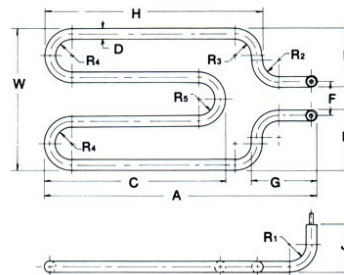


FIG. 10

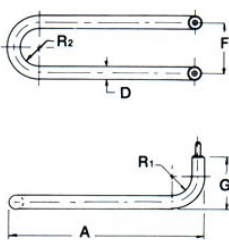


FIG. 11

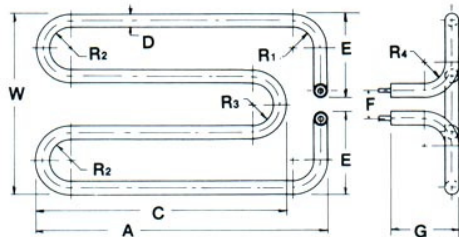


FIG. 12

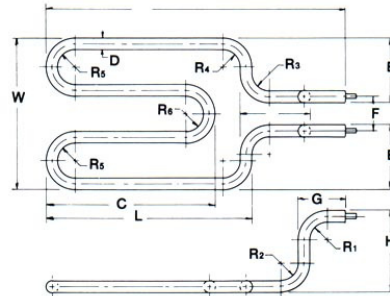


FIG. 13

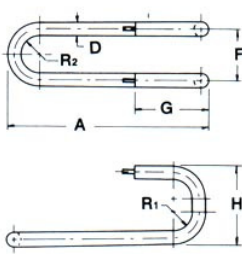


FIG. 14

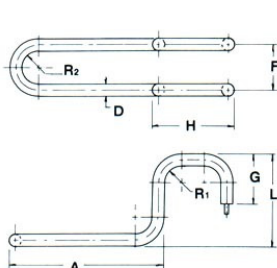


FIG. 15

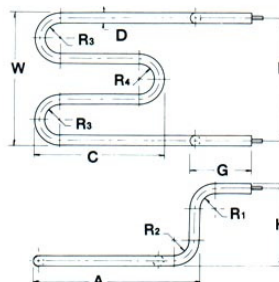


FIG. 16

