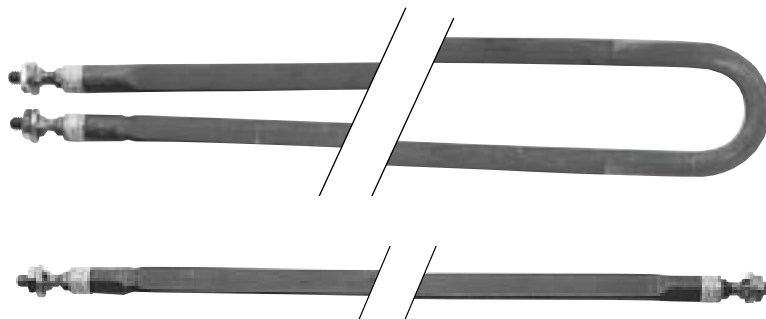


# Components

## ATS & ATU

3/8 & 7/16" Dia.  
Flat Cross-Section

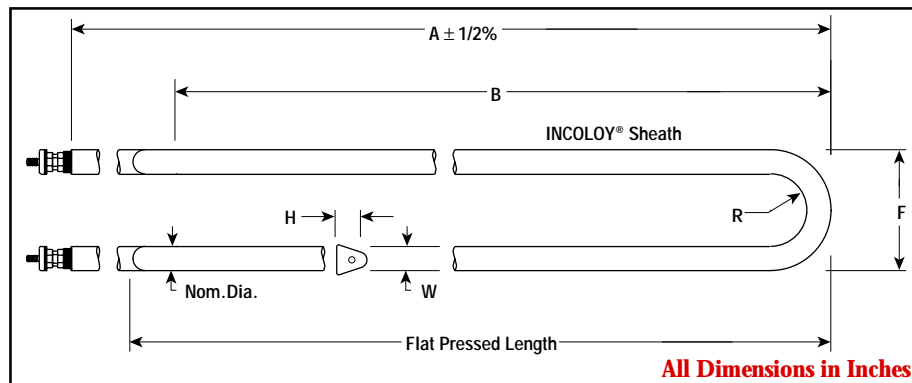


- INCOLOY® Sheath
- 575 - 1,350 Watts
- 120 and 240 Volt
- 26 - 38 W/In<sup>2</sup>
- 1600°F Max. Sheath Temp.
- Straight Elements (type ATS)
- U-Shape Elements (type ATU)

### Applications

- Clamp-ons
- Immersion (Corrosive Liquids, Fry Kettles, etc.)
- Low Temperature Air Heating

### Dimensions



### Dimensions - Inches

Nom. Dia.	W	H	R	F
3/8	3/8	5/16	9/16	1-7/8
7/16	7/16	3/8	21/32	2-3/16

### Features

**Flat-Pressed** after triangulation to increase contact surface, improve heat conductivity.

**Series Wiring** — Two or more elements of equal wattage may be connected in series on line voltages up to 480 volts. For application details see Tubular Heater Overview section.

**Type 3 and 4 Terminals** — Type 3 (3/8" dia.) are Heliarc-welded to cold pin. Type 4 (7/16" dia.) are threaded end of cold pin. See terminal detail drawings in the Tubular Heater Overview section.

**Bending** — Generally not recommended for flat-pressed, triangulated elements.

### Specifications and Ordering Information

Nom. Dia. (In.)	Watts	Volts	W/In <sup>2</sup>	Dimensions (In.)		INCOLOY® Sheath			Wt. (Lbs.)	
				Sheath A	Heated B	Model	Stock	PCN		
<b>ATS — Straight</b>										
7/16	1,000	120	38	26-1/2	19-5/8	ATS-2610	NS	149147	0.8	
7/16	900	240	35	26-1/2	19-5/8	ATS-2690	AS	283207	0.8	
7/16	1,000	120	27	33-1/2	26-5/8	ATS-3310	NS	149155	1	
7/16	1,200	240	36	33-1/2	26-5/8	ATS-3312	AS	283215	1	
3/8	600	120	35	21-1/8	14-3/8	ATS-2160	NS	283194	0.6	
3/8	575	240	34	21-1/8	14-3/8	ATS-2157	NS	149112	0.6	
3/8	600	120	26	26-1/8	19-3/8	ATS-2660	NS	149120	0.8	
3/8	675	240	29	26-1/8	19-3/8	ATS-2667	NS	149139	0.8	
3/8	1,350	240	31	42-7/8	36-1/8	ATS-4313	NS	149163	1.2	
<b>ATU — U-Shape</b>										
7/16	1,000	120	38	13	9-1/2	ATU-1310	AS	283266	0.8	
7/16	900	240	35	13	9-1/2	ATU-1390	AS	282274	0.8	
7/16	1,000	120	27	16-1/2	13-1/16	ATU-1610	AS	283282	1	
7/16	1,200	240	36	16-1/2	13-1/16	ATU-1612	AS	283290	1	
3/8	600	120	35	10-1/2	7	ATU-1060	AS	283223	0.6	
3/8	575	240	34	10-1/2	7	ATU-1057	AS	283231	0.6	
3/8	600	120	26	12-7/8	9-1/2	ATU-1260	AS	283240	0.8	
3/8	675	240	29	12-7/8	9-1/2	ATU-1267	AS	283258	0.8	
3/8	1,350	240	31	21-1/4	18	ATU-2113	AS	283303	1.2	
<b>Stock Status:</b> S = stock AS = assembly stock NS = non-stock <b>To Order</b> —Specify model, PCN, watts, volts and quantity.										