



## 1/2" Dia. Heart Cross-Section

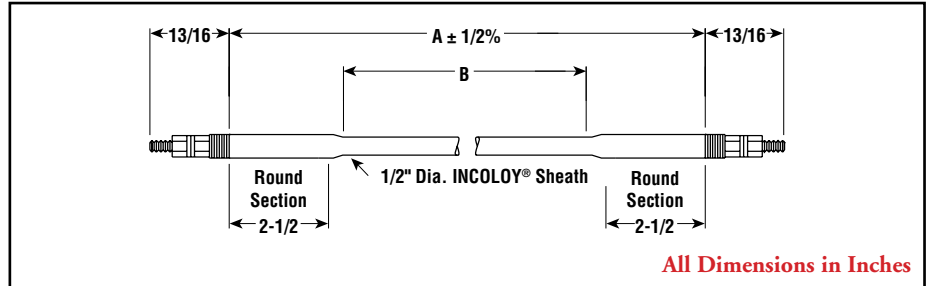
- INCOLOY® Sheath
- 450 - 2,500 Watts
- 120, 240 and 480 Volt
- 30 W/in<sup>2</sup>
- 1600°F Max. Sheath Temp.



TUBULAR



### Dimensions



### Applications

High element surface temperature clamp-on or air heating applications or where extreme rigidity is required.

### Advantages

More uniform surface temperatures and resistance to deformation.

### Features

**Type 4 Terminals** — Standard. Integral parts of the element are of high strength to resist bending during tightening of the wiring connections. Type 4 is threaded extension of the cold pin. See terminal detail drawing in the Tubular Heater Overview section.

**Work Temperatures** — See Tubular Heater Overview section.

**Bending** — Customer's minimum inside bending radius is 2-1/2". See bending requirements in the Tubular Heater Overview section.

### Specifications and Ordering Information

Watts	Volts	W/in <sup>2</sup>	Dimensions (In.)		INCOLOY® Sheath			Wt. (Lbs.)
			Sheath A	Sheath B	Model	Stock	PCN	
450	120	30	16	9-1/2	TI-1645	NS	144160	0.5
540	120	30	18	11-1/2	TI-1845	NS	144178	0.5
635	120	30	20	13-1/2	TI-2045	NS	144186	0.5
750	120	30	23	16-1/2	TI-2345	NS	144194	0.5
750	240	30	23	16-1/2	TI-2345	NS	144207	0.5
825	120	30	25	18-1/2	TI-2545	NS	171600	0.5
825	240	30	25	18-1/2	TI-2545	NS	144215	0.5
900	120	30	27	20-1/2	TI-2745	NS	171619	0.5
900	240	30	27	20-1/2	TI-2745	NS	144223	0.5
1,000	120	30	28	21-1/2	TI-2845	NS	144231	1
1,000	240	30	28	21-1/2	TI-2845	NS	144240	1
1,100	120	30	30	23-1/2	TI-3045	NS	171627	1
1,100	240	30	30	23-1/2	TI-3045	NS	144258	1
1,200	120	30	32	25-1/2	TI-3245	NS	171635	1
1,200	240	30	32	25-1/2	TI-3245	NS	144493	1
1,275	120	30	34	27-1/2	TI-3445	NS	171643	1
1,275	240	30	34	27-1/2	TI-3445	NS	144266	1
1,350	120	30	36	29-1/2	TI-3645	NS	171651	1
1,350	240	30	36	29-1/2	TI-3645	NS	144274	1
1,425	120	30	38	31-1/2	TI-3845	NS	171660	1
1,425	240	30	38	31-1/2	TI-3845	NS	144282	1
1,500	120	30	40	33-1/2	TI-4045	NS	144290	1.3
1,500	240	30	40	33-1/2	TI-4045	NS	144303	1.3
1,650	120	30	43-1/2	37	TI-4345	NS	171678	1.3
1,650	240	30	43-1/2	37	TI-4345	NS	144311	1.3
1,725	120	30	44	37-1/2	TI-4445	NS	171686	1.3
1,725	240	30	44	37-1/2	TI-4445	NS	144320	1.3
1,800	120	30	46	39-1/2	TI-4645	NS	171694	1.3
1,800	240	30	46	39-1/2	TI-4645	NS	144338	1.3
1,875	120	30	48	41-1/2	TI-4845	NS	171707	1.3
1,875	240	30	48	41-1/2	TI-4845	NS	144346	1.3
1,950	120	30	50	43-1/2	TI-5045	NS	171715	1.3
1,950	240	30	50	43-1/2	TI-5045	NS	144354	1.3
1,950	480	30	50	43-1/2	TI-5045	NS	171723	1.3
2,000	120	30	54-1/4	47-3/8	TI-5445	NS	144362	1.8
2,000	240	30	54-1/4	47-3/8	TI-5445	NS	144370	1.8
2,000	480	30	54-1/4	47-3/8	TI-5445	NS	171731	1.8
2,250	120	30	58	51-1/2	TI-5845	NS	171740	1.8
2,250	240	30	58	51-1/2	TI-5845	NS	144389	1.8
2,250	480	30	58	51-1/2	TI-5845	NS	171758	1.8
2,500	120	30	60	53-1/2	TI-6045	NS	171766	1.8
2,500	240	30	60	53-1/2	TI-6045	NS	144397	1.8
2,500	480	30	60	53-1/2	TI-6045	NS	171774	1.8

**Stock Status:** S = stock NS = non-stock  
**To Order** — Specify model, PCN, watts, volts and quantity.

# Components

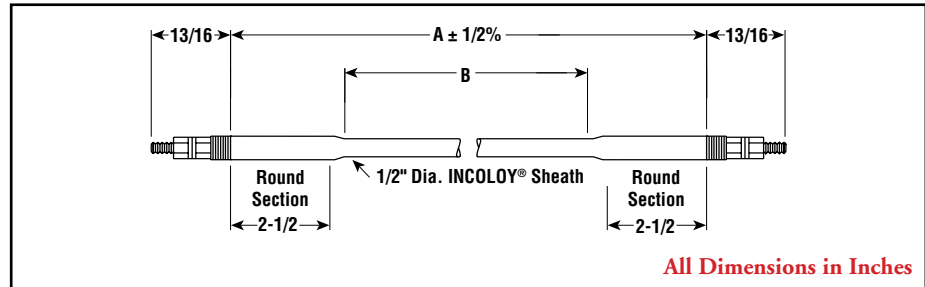


## 1/2" Dia. Heart Cross-Section (cont'd.)



- INCOLOY® Sheath
- 2,750 - 6,750 Watts
- 120, 240 and 480 Volt
- 30 W/In<sup>2</sup>
- 1600°F Max. Sheath Temp.

### Dimensions



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**Work Temperatures** — See Tubular Heater Overview section.

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### Specifications and Ordering Information

Watts	Volts	W/In <sup>2</sup>	Dimensions (In.)		INCOLOY® Sheath			Wt. (Lbs.)
			Sheath A	Sheath B	Model	Stock	PCN	
2,750	120	30	66	59-1/2	TI-6645	NS	171782	1.8
2,750	240	30	66	59-1/2	TI-6645	NS	144400	1.8
2,750	480	30	66	59-1/2	TI-6645	NS	171790	1.8
3,000	120	30	70	63-1/2	TI-7045	NS	171803	1.8
3,000	240	30	70	63-1/2	TI-7045	NS	144418	1.8
3,000	480	30	70	63-1/2	TI-7045	NS	171811	1.8
3,125	120	30	74	67-1/2	TI-7445	NS	171820	1.8
3,125	240	30	74	67-1/2	TI-7445	NS	144426	1.8
3,125	480	30	74	67-1/2	TI-7445	NS	171838	1.8
3,250	120	30	78	71-1/2	TI-7845	NS	171846	2.3
3,250	240	30	78	71-1/2	TI-7845	NS	144434	2.3
3,250	480	30	78	71-1/2	TI-7845	NS	171854	2.3
3,375	240	30	82	75-1/2	TI-8245	NS	144442	2.3
3,375	480	30	82	75-1/2	TI-8245	NS	171862	2.3
3,500	240	30	85	78-1/2	TI-8545	NS	144450	2.3
3,500	480	30	85	78-1/2	TI-8545	NS	171870	2.3
3,625	240	30	90	83-1/2	TI-9045	NS	171889	2.3
3,625	480	30	90	83-1/2	TI-9045	NS	171897	2.3
3,750	240	30	94	87-1/2	TI-9445	NS	171900	2.3
3,750	480	30	94	87-1/2	TI-9445	NS	171918	2.3
3,875	240	30	98	91-1/2	TI-9845	NS	171926	2.3
3,875	480	30	98	91-1/2	TI-9845	NS	171934	2.3
4,000	240	30	100	93-1/2	TI-10045	NS	144469	3.3
4,000	480	30	100	93-1/2	TI-10045	NS	171942	3.3
4,500	240	30	108	101-1/2	TI-10845	NS	144477	3.3
4,500	480	30	108	101-1/2	TI-10845	NS	171950	3.3
4,750	240	30	112	105-1/2	TI-11245	NS	144485	3.3
4,750	480	30	112	105-1/2	TI-11245	NS	171969	3.3
5,000	240	30	118	111-1/2	TI-11845	NS	171977	3.3
5,000	480	30	118	111-1/2	TI-11845	NS	171985	3.3
5,250	240	30	130	123-1/2	TI-13045	NS	171993	3.3
5,250	480	30	130	123-1/2	TI-13045	NS	172005	3.3
5,500	240	30	136	129-1/2	TI-13645	NS	172013	3.3
5,500	480	30	136	129-1/2	TI-13645	NS	172021	3.3
5,750	240	30	142	135-1/2	TI-14245	NS	172030	4.3
5,750	480	30	142	135-1/2	TI-14245	NS	172048	4.3
6,000	480	30	148	141-1/2	TI-14845	NS	172056	4.3
6,250	480	30	156	149-1/2	TI-15645	NS	172064	4.3
6,500	480	30	164	157-1/2	TI-16445	NS	172072	4.3
6,750	480	30	172	165-1/2	TI-17245	NS	172080	4.3

**Stock Status:** S = stock NS = non-stock  
**To Order**—Specify model, PCN, watts, volts and quantity.