

Tubular Heaters

Factory Bending Guidelines

Note — OAL represents overall length.

Figure 1

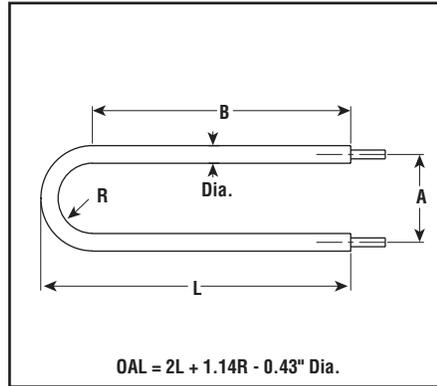


Figure 2

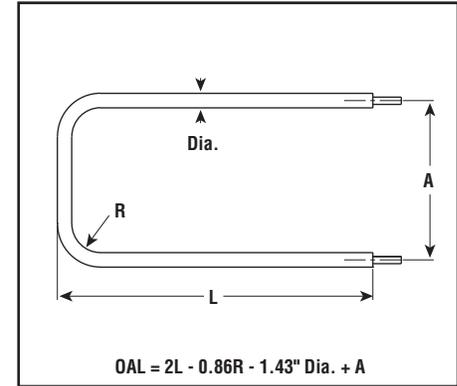


Figure 3

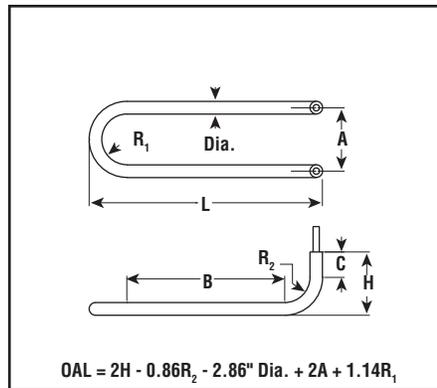
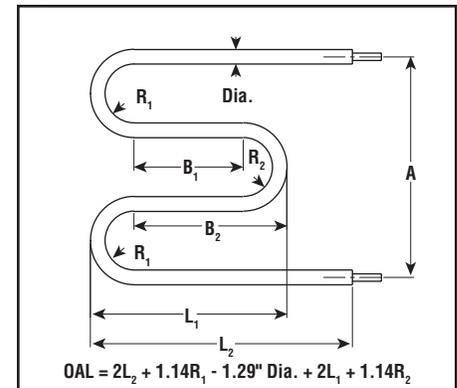


Figure 4



Factory Minimum Bends for Tubular Heaters

Element Dia. & Sheath	Inside $R_{1,2,3}$	Dimensions (In.) ¹				
		A	$B_{1,2}$	C	Inside D	E
▽ 1/2" INCOLOY® 5 Steel & Copper	3/4	1-3/8	1	1-1/2	5	8
	1/2	1-3/8	1	1-1/2	8	6
0.475" INCOLOY® Steel & Copper	3/4	1-3/8	1	1-1/2	3	8
	1/2	1-3/8	1	1-1/2	3	6
0.430" INCOLOY® Steel & Copper	7/16	1-3/8	1	1	3	8
	7/16	1-3/8	1	1	3	6
▽ 3/8" INCOLOY® 5 Steel & Copper	9/16	1-3/16	1	1-1/2	3-3/4	5
	3/8	1-3/16	1	1-1/2	6	3
0.375" INCOLOY® Steel & Copper	3/8	1-3/16	1	1	2-5/8	5
	3/8	1-3/16	1	1	2-5/8	3
0.315" INCOLOY® Steel & Copper	9/16	1-3/16	1	1-1/2	2	5
	5/16	1-3/16	1	1-1/2	2	3
0.260" INCOLOY® Steel & Copper	1/4	1-1/8	1	1	1-7/8	5
	1/4	1-1/8	1	1	1-7/8	3
0.245" INCOLOY® Steel & Copper	3/8	1-1/16	1	1-3/16	1-1/2	5
	1/4	1-1/16	1	1-3/16	1-1/2	3
0.200" INCOLOY®	1/4	1/4	1	3/4	1-1/4	5

To Order — Specify model, PCN, volts, watts, special features, if required, and quantity.

Specify for Factory Formed Tubulars:

- A. Figure number.
- B. A, $B_{1,2}$, C, D, E, H, J, K, $L_{1,2}$ and $R_{1,2,3}$ dimension as required.
- C. N - number of turns, Dia. - Element Diameter- aid < - angle as required.
- D. Material for threaded fittings.
- E. Special terminal type.
- F. Position of crown (flat side) of element (TC, TI, TS only).
- G. Submit sketch with special details.

Notes —

1. These are general guidelines only. Special dimensions and configurations are possible. Contact your Local Chromalox Sales office.
2. A dimension can be less if no fittings are required.
3. C dimension may need to be greater if special fittings are used.
4. E dimension is a minimum when R dimension is less than customer minimum bending radius.
5. Heart Shaped cross-section only.

Tubular Heaters

Factory Bending Guidelines (cont'd.)

Figure 5

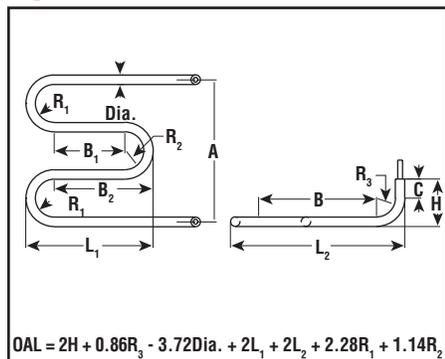


Figure 6

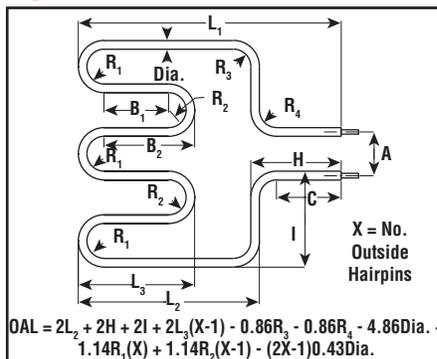


Figure 7

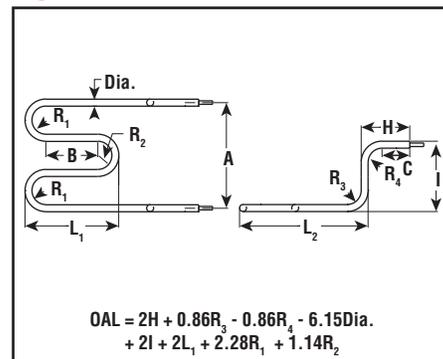


Figure 8

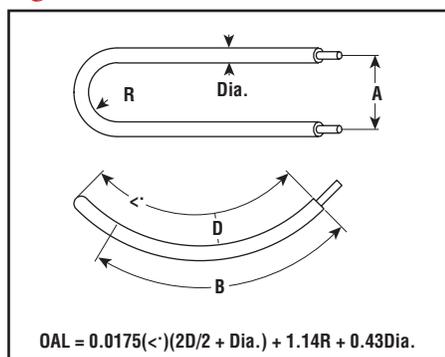


Figure 9

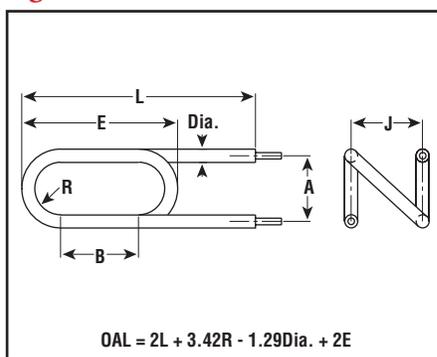


Figure 10

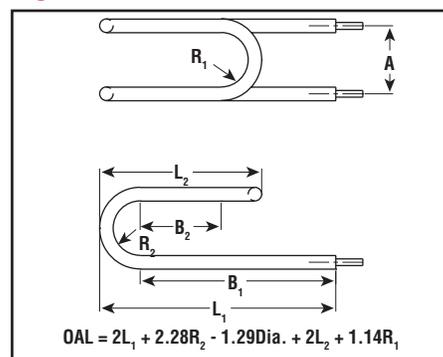


Figure 11

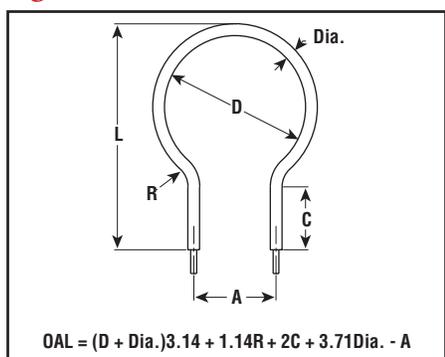


Figure 12

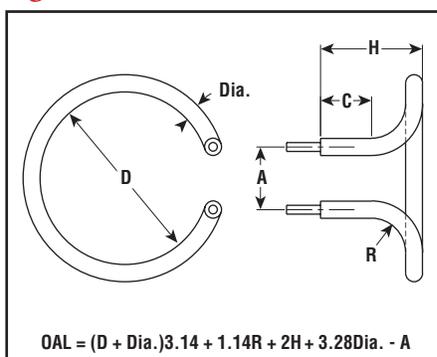


Figure 13

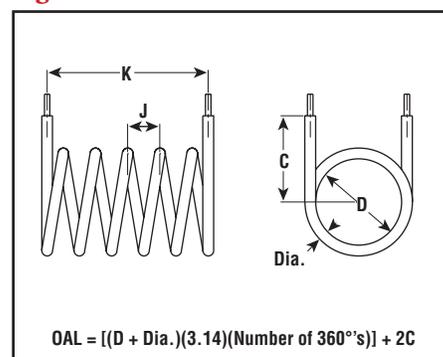


Figure 14

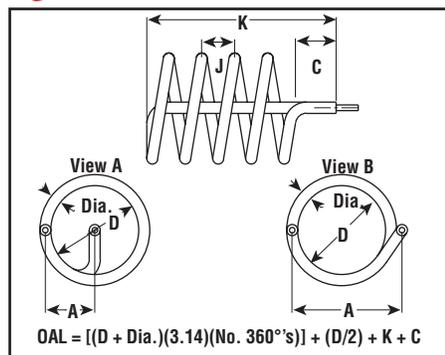


Figure 15

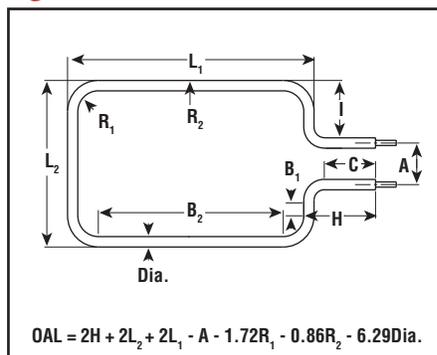


Figure 16

