

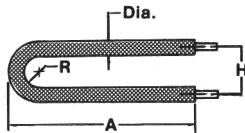


Tubular Heaters

Forming Options

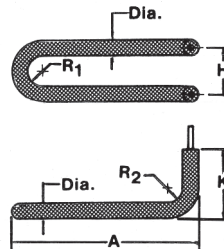
Custom Formations to your requirements are available.

1



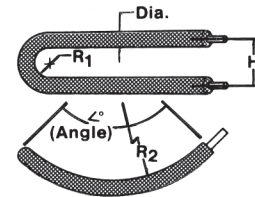
$$SL = 2A + 1.14R - .43 \text{ Dia.}$$

2



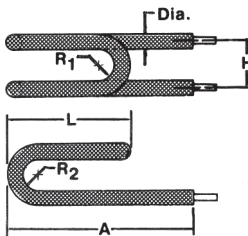
$$SL = 2K - .86 R_2 - 2.86 \text{ Dia.} + 2A + 1.14 R_1$$

3



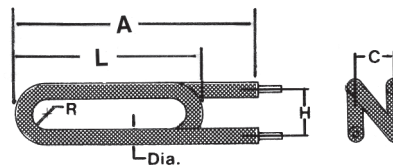
$$SL = .0175 \angle^2 (2 R_2 + \text{Dia.}) + 1.14 R_1 - .43 \text{ Dia.}$$

4



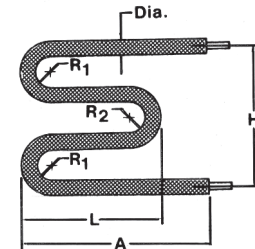
$$SL = 2A + 2.28 R_2 - 1.29 \text{ Dia.} + 2L + 1.14 R_1$$

5



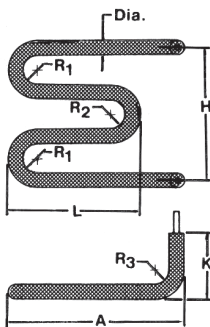
$$SL = 2A + 3.42R - 1.29 \text{ Dia.} + 2L$$

6



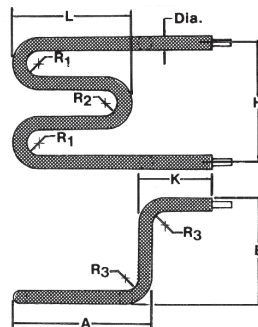
$$SL = 2A + 2.28 R_1 - 1.29 \text{ Dia.} + 2L + 1.14 R_2$$

7



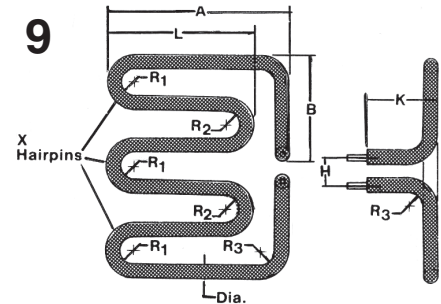
$$SL = 2K - .86 R_3 - 3.72 \text{ Dia.} + 2A + 2L + 2.28 R_1 + 1.14 R_2$$

8



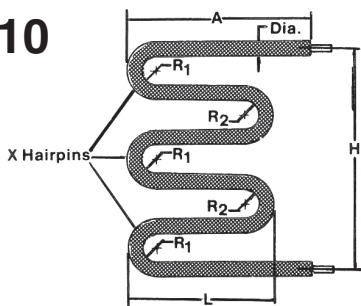
$$SL = 2K - 1.72 R_3 - 6.15 \text{ Dia.} + 2B + 2A + 2L + 2.28 R_1 + 1.14 R_2$$

9



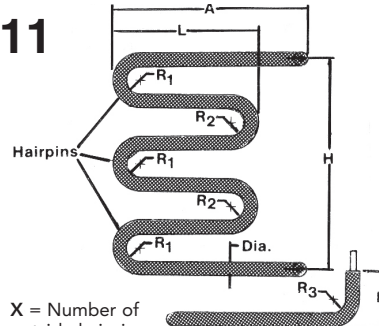
X = Number of outside hairpins
 $SL = 2K + 2A - 1.72 R_3 + 3.14 R_1 X + 3.14 R_2 (X-1) + 2L (X-1) - H + 1.14 X \text{ Dia.} - 3.42 \text{ Dia.}$

10



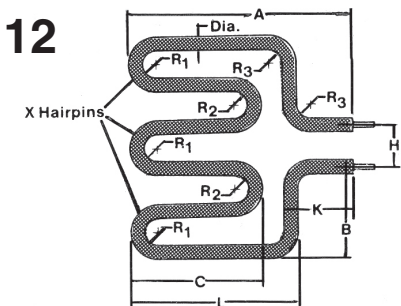
X = Number of outside hairpins
 $SL = 2A + .43 \text{ Dia.} (1-2X) + 2L (X-1) + 1.14 X R_1 + 1.14 R_2 (X-1)$

11



X = Number of outside hairpins
 $SL = 1.14 R_2 X - .88 \text{ Dia.} X + 1.14 R_2 - 2 \text{ Dia.} + 1.14 R_1 X - .86 R_3 + 2L X - 2L + 2A + 2K$

12



X = Number of outside hairpins
 $SL = 2L + 2K + 2B + 2C (X-1) - 0.86 R_3 - 0.86 R_3 - 4.86 (\text{Dia.}) + 1.14 R_1 (X) + 1.14 R_2 (X-1) - (2X-1) 0.43 \text{ Dia.}$

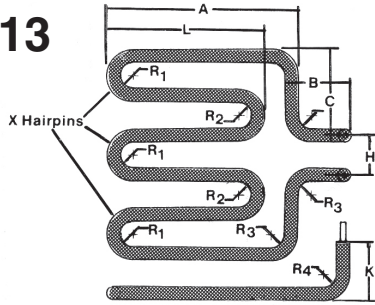
TUBULAR



Tubular Heaters

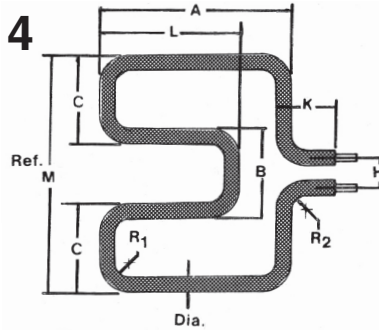
Forming Options

13



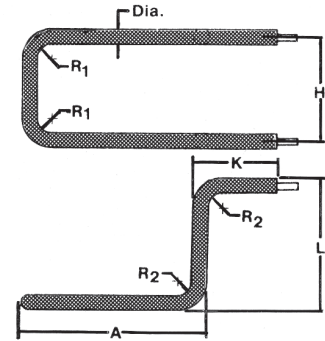
X = Number of outside hairpins
 $SL = 2K + 2A + 2B - 2.58 R_3 + 3.14 R_1 X + 3.14 R_2 (X-1) + 2L(X-1) - H + 1.14 X \text{ Dia.} - 5.85 \text{ Dia.}$

14



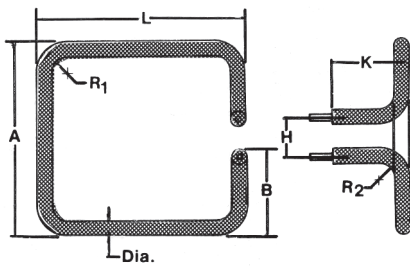
$SL = 2K + 4C + 2B + 2A + 2L - H - 2.58 R_1 - .86 R_2 - 12.15 \text{ Dia.}$

15



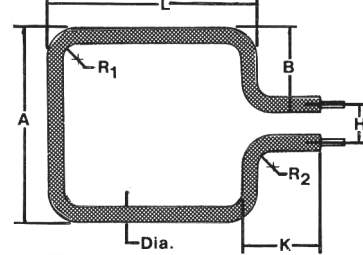
$SL = 2K - 1.72 R_2 - 6.29 \text{ Dia.} + 2L + 2A - .86 R_1 + H$

16



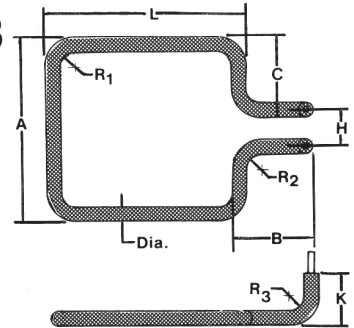
$SL = 2K + 2A + 2L - H - 1.72 R_1 - .86 R_2 - 6.29 \text{ Dia.}$

17



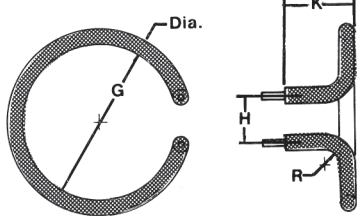
$SL = 2K + 2A + 2L - H - 1.72 R_1 - .86 R_2 - 6.29 \text{ Dia.}$

18



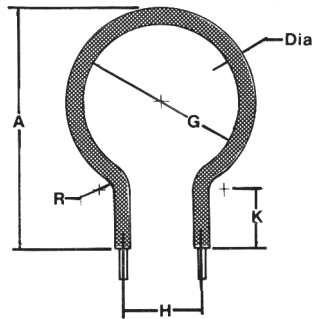
$SL = 2K + 2A + 2L + 2B - H - 1.72 R_1 - 1.72 R_2 - 8.72 \text{ Dia.}$

19



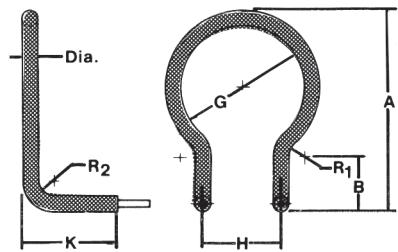
$SL = (G + \text{Dia.}) (3.14) + 1.14 R + 2K + 3.28 \text{ Dia.} - H$

20



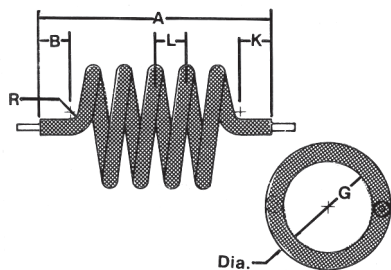
$SL = (G + \text{Dia.}) (3.14) + 1.14 R + 2K + 3.71 \text{ Dia.} - H$

21



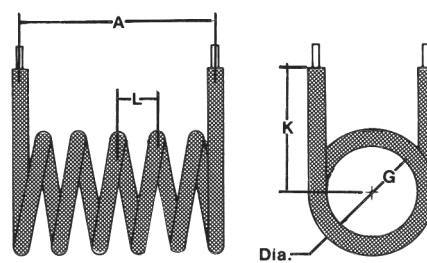
$SL = (G + \text{Dia.}) (3.14) + 1.14 R_1 + 2B + 1.14 R_2 + 2K + 3.28 \text{ Dia.} - H$

22



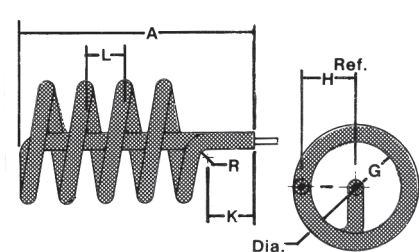
$SL = [(G + \text{Dia.}) (3.14) (\text{Number of } 360^\circ\text{s})] + B + K.$

23



$SL = [(G + \text{Dia.}) (3.14) (\text{Number of } 360^\circ\text{s})] + 2K$

24



$SL = [(G + \text{Dia.}) (3.14) (\text{Number of } 360^\circ\text{s})] + (G \div 2) + A + K.$