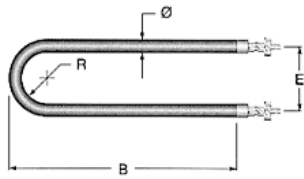


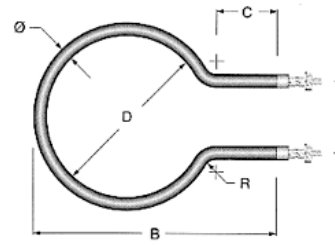
Type 1



$$SL=2B+1.14R-.43\text{Ø}$$

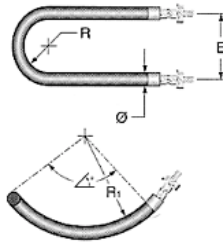
$$E=2R+\text{Ø}$$

Type 5



$$SL=3.14D+1.14R+2C-3.71\text{Ø}-E$$

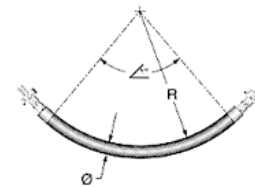
Type 2



$$SL=.0175 \Delta (2R_1+\text{Ø})+1.14R-.43\text{Ø}$$

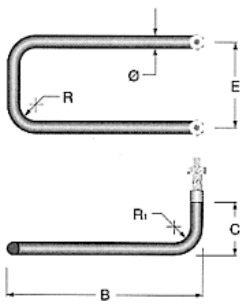
$$E=2R+\text{Ø}$$

Type 6



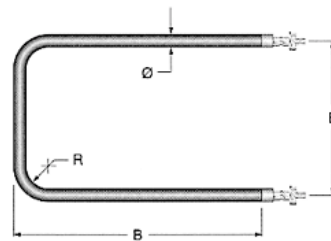
$$SL=.0175 \Delta (R+.5\text{Ø})$$

Type 3



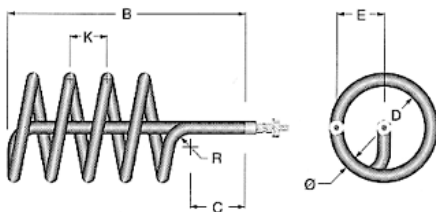
$$SL=2C-.86R_1-3.86\text{Ø}+2B-.86R+E$$

Type 7



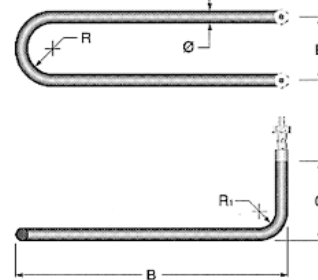
$$SL=2B-.86R-1.43\text{Ø}+E$$

Type 4



$$SL=[(D+\text{Ø})(3.14)(\text{NUMBER OF } 360^\circ \text{ TURNS})]+(D/2)+B+C$$

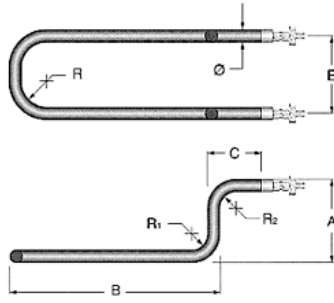
Type 8



$$SL=2C-.86R_1+2.86\text{Ø}+2B+1.14R$$

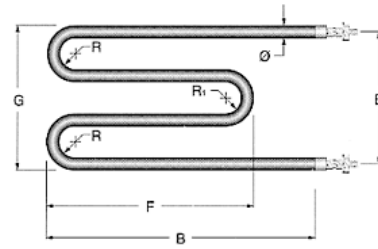
$$E=2R+\text{Ø}$$

Type 9



$$SL=2A+2B+2C+E-6.29\text{Ø}-.86R-.86R_1-.86R_2$$

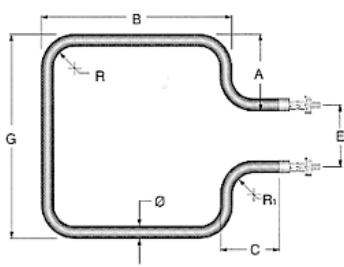
Type 13



$$SL=2B+2.28R-1.29\text{Ø}+2F+1.14R_1$$

$$G=E+\text{Ø}$$

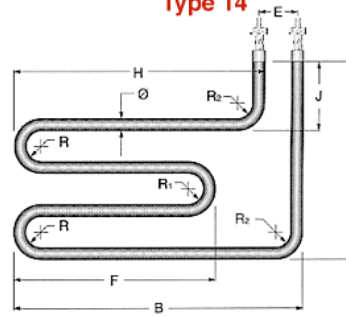
Type 10



$$SL=2C+2G+2B-E-1.72R-.86R_1-6.29\text{Ø}$$

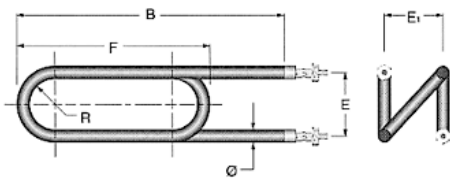
$$A=\frac{G-(E-\text{Ø})}{2}$$

Type 14



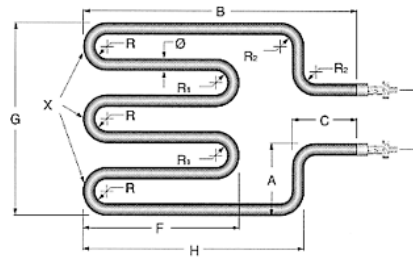
$$SL=2C+2B+2F-6.717\text{Ø}-1.717R-E-.859R_1-.859R_2$$

Type 11



$$SL=2B+3.42R-1.29\text{Ø}+2F$$

Type 15

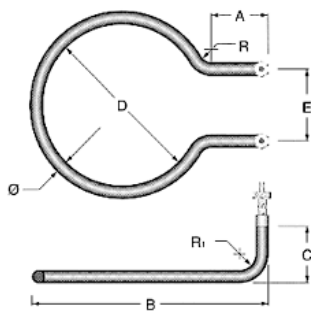


X=NUMBER OF OUTSIDE BENDS

$$SL=2B-1.72R_2+3.14RX+3.14R_1(X-1)+2F(X-1)-E+1.14\text{Ø}X-1.42\text{Ø}$$

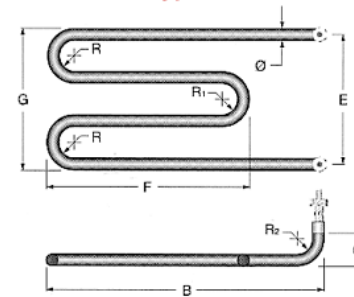
$$G=2RX+2R_1(X-1)+2\text{Ø}X$$

Type 12



$$SL=3.14D+1.14R+2A+1.14R_1+2C+3.28\text{Ø}-E$$

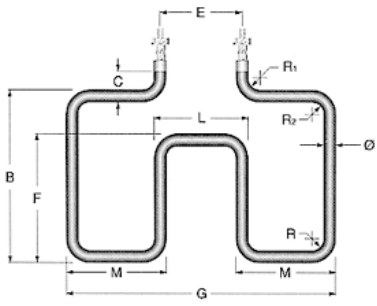
Type 16



$$SL=2C-.86R_2-3.72\text{Ø}+2B+2F+2.28R+1.14R_1$$

$$G=E+\text{Ø}$$

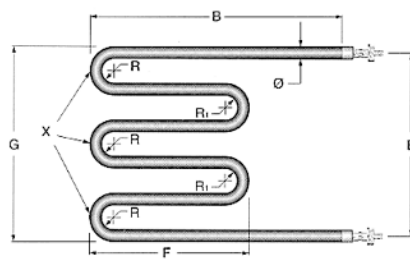
Type 17



$$SL=2C+4M+2L+2B+2F-E-2.58R-.86R_1-12.15\varnothing$$

$$G=2M+L-2\varnothing$$

Type 21

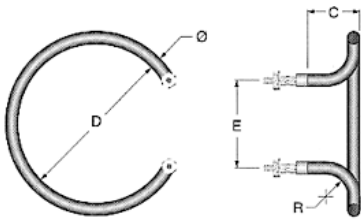


$$X=\text{NUMBER OF OUTSIDE BENDS}$$

$$SL=2B+.43\varnothing(1-2X)+2F(X-1)+1.14R+1.14R_1(X-1)$$

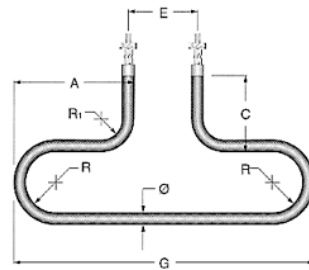
$$G=2RX+2R(X-1)+2\varnothing X$$

Type 18



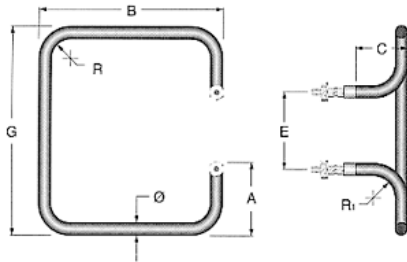
$$SL=3.14D+1.14R+2C+3.28\varnothing-E$$

Type 22



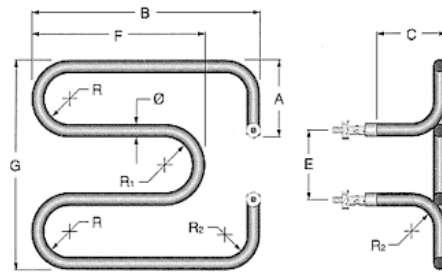
$$SL=2G+2C-E+2.28R-.86R_1-3.29\varnothing$$

Type 19



$$SL=2C+2G+2B-E-1.72R-.86R_1-6.29\varnothing$$

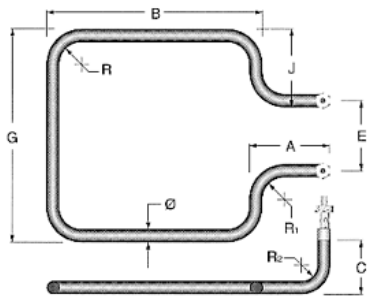
Type 23



$$SL=2C+2B+2F+6.28R+3.14R_1-1.15\varnothing-1.72R_2-E$$

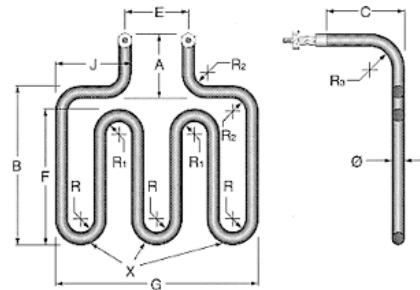
$$G=4R+2R_1+4\varnothing$$

Type 20



$$SL=2C+2G+2B+2A-E-1.72R-.86R_1-.86R_2-8.72\varnothing$$

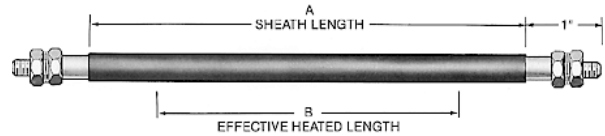
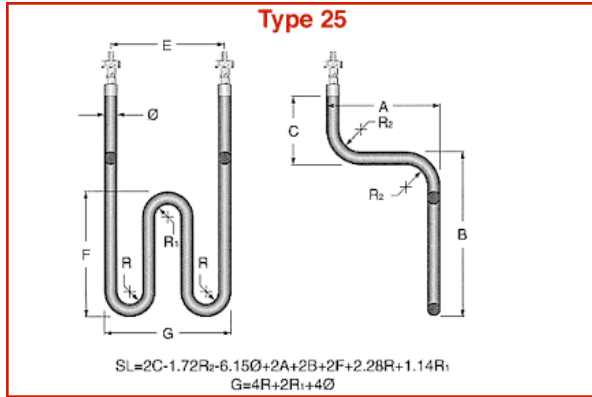
Type 24



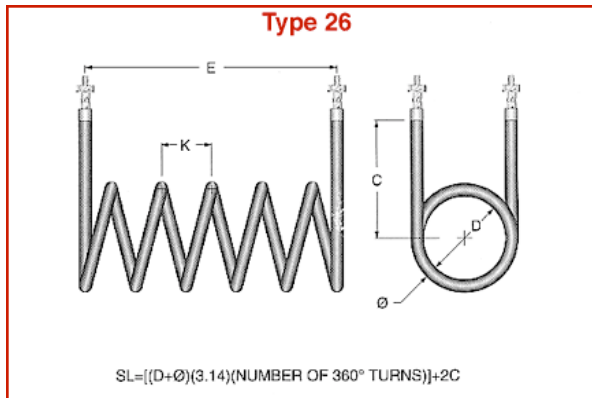
$$X=\text{NUMBER OF OUTSIDE BENDS}$$

$$SL=2J+2B+2C+2A-.86R_3-6.86\varnothing-1.72R_2+2F(X-1)+1.14R_1(X-1)+1.14XR-.86X\varnothing$$

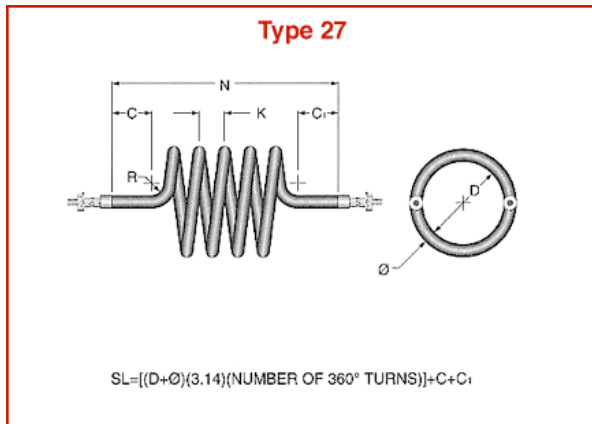
$$G=2RX+2R_1(X-1)+2\varnothing X$$



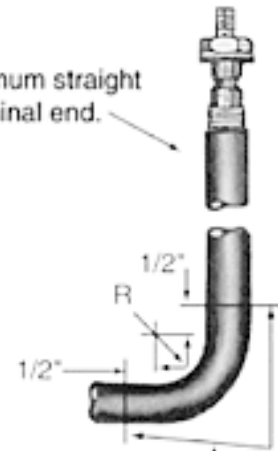
Tubular heaters can be formed into virtually any shape required. Minimum radius dimension for forming is equal to the diameter of the tubular being formed. Bends are repressed as required.



When ordering, specify the appropriate dimensions for the corresponding figure shown. If configuration is not shown, provide a sketch or sample. "SL" reference is Sheath Length.



Leave 1" minimum straight section at terminal end.



End of heated section cannot be within these two points

