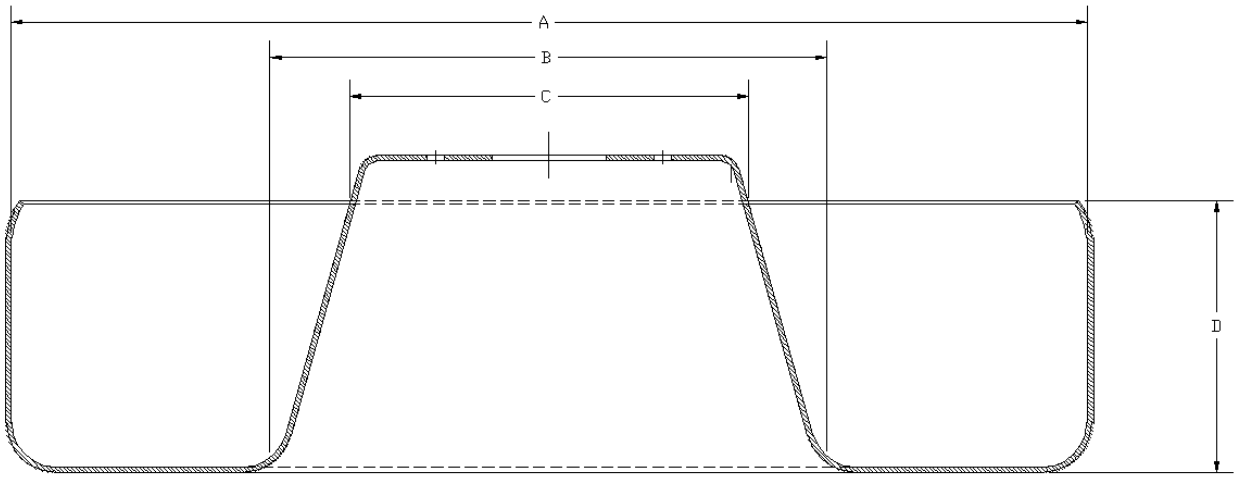
CD-23 Specifications

REV 0 06/12/2015

Bowl dimensions



24” BOWL 143690 IS INCLUDED WITH THE COILER

For bowl 143690 24 inch 610mm diameter

Outer dimension of coil

A=23.8 inches 605mm

Inner dimension of coil

B=11.6 inches 297mm at bottom of bowl

C=8.8 inches 224mm at top of bowl

Height of coil

D=5.8 inches 147mm

For bowl 143689 18 inch 457mm diameter

Outer dimension of coil

A=17.8 inches 452mm

Inner dimension of coil

B=10.4 inches 264mm at bottom of bowl

C=8.8 inches 224mm at top of bowl

Height of coil

D=3.8 inches 97mm

Guide tube size

The inside of the guide tube is 0.870 inches (22mm). The maximum wire diameter is somewhat dependent on the how sticky the wire insulation is. In general the maximum size wire you could run is 30mm

How much wire will fit in the bowl

The volume of each bowl is as follows

143689 (18in dia.) = 635 cubic inches

143690 (24in dia.) = 1963 cubic inches

- The wire will randomly coil in the bowl, this cris-crossing and uneven stacking means that you can only use a portion of the volume available. From experimental data the volume of wire that can fit into the bowl is about 40% of the volume of the bowl.
- The volume of 1 foot of wire is 3.1416*r^2*12

To compute the length of wire in feet that would fit in the bowl. r= outside diameter in inches/2

Bowl # 143689 18 inch = (635*.4)/(3.1416*r^2*12) = 6.7376/(r^2)

Bowl # 143690 24 inch = (1963*.4)/(3.1416*r^2*12) = 20.8281/(r^2)