

Aristone Column Information

All Aristone columns are available in the following configurations:

One Piece Columns:

- Structural Concrete

These are one-piece solid concrete columns, typically used in load bearing situations. To provide structural integrity the columns are cast with a rebar cage in the center. The cage consists of #5 rebar in 21" base columns and #4 rebar in 16 & 18" base columns, both have #3 stirrups on 8" centers. The rebar extends out 12" from the bottom of the base of the column. There is a $\frac{3}{4}$ " x 6" coil loop insert cast into the top of the column, it is used to attach the structural member to the top of the column, it can also be used to lift the column provided the correct bolt and lifting fitting is used. All structural information is available by request or on our website at www.aristonedesigns.com

****IT IS VERY IMPORTANT THAT A BACK-UP CHOKER IS USED DURNING THE INSTALLATION OF STRUCTURAL CONCRETE COLUMNS****

****PLEASE REMEMBER OUR STRUCTURAL COLUMNS WEIGH UP TO 2,500 LBS AND SHOULD ONLY BE INSTALLED BY A LICENSED PRECAST INSTALLATION CONTRACTOR****

Installation:

Poured Concrete footing:

A 12" diameter void (12" deep) should be cast into the center of the footing or base onto which the column will be installed (a standard 5 gallon bucket works best). Before the column is set the void is filled with concrete and the rebar that extend out the bottom of the column is set into the wet cement. The column is then plumbed and leveled. Please check with local building codes

Concrete Block Footing:

Leave the center cell of your concrete block footing un-grouted. Before the column is set the void is filled with concrete and the rebar that extend out the bottom of the column is set into the wet cement. The column is then plumbed and leveled.

- **Plaster**

One-piece plaster columns are for interior use only and have no load bearing capability. The typical wall thickness is +/- 1". It is important that plaster columns be installed a minimum of 4" off the floor to avoid damage from brooms, kids, vacuum's etc.

- **GFRC**

Glass Fiber Reinforced (GFRC) columns are cast horizontally in 2 pieces and can be joined at the factory when a one-piece column is desired.

- Split Columns (SP)

Split columns are used primarily when you have to "wrap" around a structural support post. Concrete split columns can be assembled and grouted solid to provide a structural member (please check your local building codes). The center void for the concrete split columns is from 5" to 10" depending on the columns size. The center void for the GFRC and Plaster columns is +/-2" less than the outside shaft diameter.

Split columns are available in Concrete, Plaster and GFRC

Please remember 1 "split" column is 2 pieces.

- Half Columns (H)

Half columns are usually installed against a wall and are available in Concrete, Plaster and GFRC.

Three Piece Fluted Columns:

- Our three piece fluted columns (Corinthian, Ionic & Tuscan) come with a 21 1/2" square base with a 11 1/2" diameter void in center, a solid structural shaft (see solid column section for structural information) and a 19" square capital with a 8 1/2" void in the center. The rebar cage extends approximately 12" out of the top and bottom of the solid shaft.

- **Installation**

The base is put into position and the void is filled with grout. The solid shaft is then placed on top of the base and plumbed. The capital is then installed onto the top of the shaft and grouted solid, any inserts should be placed into the top of the column at this time. Please make sure everything is plumb and level as you assemble the column.