

# ROUND CONCRETE FORM



## COLUMN FORMING

### Round Concrete Form

Lightweight and easy to handle. Easily sawed to proper length on job site. Versatile and can be cut, drilled or scored for numerous construction applications. Available in a variety of types and sizes to meet different forming needs. Placing, bracing, pouring, stripping and finishing require less time and less labor. Skilled labor not required as with permanent forms. One-piece forms for a multitude of one-time uses. Concrete forms require no cleaning, reassembling or return shipping. And, you can set and pour multiple columns at one time.

#### How to store

Store concrete forms in a dry place at the job site:

- ◆ For best results, store forms vertically to maintain roundness.
- ◆ Keep ends covered at all times.
- ◆ If stored horizontally, elevate a minimum of 4 inches off the ground and support the full length of the forms.

#### Placing

Even the largest concrete forms are easier to place either manually with block and tackle, or by crane:

- ◆ Position over a reinforcing bar cage if desired.
- ◆ Avoid damaging the inside surface.
- ◆ Place individually or in groups for continuous pouring.

#### Bracing

Concrete forms require minimal bracing to be brought to plumb:

- ◆ Use light lumber or scaffolding.
  - ◆ Secure the column foot with collars if necessary.
  - ◆ If pouring bents for bridges, consider tying the column form in with the beam form.
- Concrete forms can also be tied into other forms or structural members.

#### Pouring

Note: Use a release agent with all forms, especially when working with aggressive concrete formulations.

Concrete forms are engineered not to buckle, swell or lose shape, and have been successfully used with a continuous pour of column. Do not exceed ACI-recommended pour rates.

#### Stripping

Strip the form as soon as possible after the concrete has set to prevent concrete from sticking to the form. Recommended time for the easiest and fastest stripping is 24 to 48 hours after the pour. Concrete forms should not be left on the column for more than 5 days.

#### Stripping options:

- ◆ Use a circular power saw to make two vertical cuts on opposite sides of the form. To prevent marring, make sure the depth of cut is not set too deep. Remove the form.
- ◆ Use a utility knife to cut the form from the top down at least 12 inches. Use a broad-bladed tool such as a shovel and short strokes to pry the form away from the column in a spiral motion. **Stripped forms can be used to protect finished columns until completion of project.**

No.	Diameter	Length	Wt/Lf	Cubic Yards Concrete/ft of Height
ST 6L	6"	12' Regular Wall	0.71	.0073
ST 8L	8"	12' Regular Wall	0.95	.0129
ST 10L	10"	12' Regular Wall	1.32	.0202
ST 12L	12"	12' Regular Wall	1.70	.0291
ST 14L	14"	12' Regular Wall	2.31	.0396
ST 16L	16"	12' Regular Wall	2.69	.0517
ST 18L	18"	12' Regular Wall	3.39	.0654
ST 20L	20"	12' Regular Wall	3.76	.0808
ST 24L	24"	12' Regular Wall	5.07	.1164
ST 30L	30"	12' Regular Wall	8.44	.1818
ST 36L	36"	12' Regular Wall	10.11	.2618
ST 42L	42"	12' Regular Wall	12.50	.3563
ST 18	18"	18' or 20' Heavy Wall	4.67	.0654
ST 20	20"	18' or 20' Heavy Wall	5.18	.0808
ST 24	24"	18' or 20' Heavy Wall	7.34	.1164
ST 30	30"	18' or 20' Heavy Wall	11.28	.1818
ST 36	36"	18' or 20' Heavy Wall	13.51	.2618
ST 48	48"	10' Heavy Wall	21.60	.4654
ST 60	60"	10' Heavy Wall	27.30	.7269

Other lengths available on request.

