

SONOTUBE®
ROUND
concrete forms



STAND STRONG





Applications

- **Outdoor sign, light pole and fence-post bases**
- **Footings**
- **Stub piers for elevated ramps**
- **Columns for residential and commercial buildings and other structures**
- **Flagstones and round steps**
- **Theatrical and movie props**
- **Super-sized shipping tubes**

A heritage of trust

Contractors around the world have relied on the Sonotube® brand for over 50 years. More than just paper tubes, Sonotube concrete forms stand strong as the most economical way to create round columns for buildings, entranceways, structural columns, light posts and other commercial and residential structures.

Rain resistance

Sonoco engineers applied a century of leadership in design, technology and manufacturing to create a high-strength, rain-resistant paper for Sonotube forms. The new paper's attributes allowed Sonoco to reduce the weight of the forms, making them easier to handle, set, strip and discard. And now with RainGuard™ paper technology,* Sonotube forms stand strong even in wet weather. Set today and pour tomorrow.



Industry-leading technology and value

The superior strength-to-weight properties of Sonotube forms prevent blowouts and may eliminate the need to use a crane during setup. Contractors around the world know Sonotube concrete forms stand strong in their superior technology and value.

** Patent pending*

Advantages

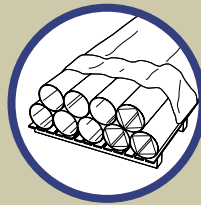
- Rain-resistant technology keeps wet weather from impacting your pour.
- Easier to setup and brace so multiple columns can be poured at one time.
- Superior strength-to-weight properties prevent blowouts.
- Easy to cut and drill at the job site.
- Heat resistance eliminates form deformation during the pour.
- Sonoco manufactures and distributes Sonotube brand concrete forms throughout North America, minimizing lead times.

Important instructions for field use

How to store

Store Sonotube 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 Sonotube brand forms are easier to place either manually with block and tackle, or by crane:

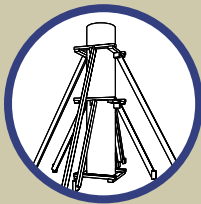
- Position over a reinforcing bar cage if desired.
- Avoid damaging the inside surface.
- Place individually or in groups for continuous pouring.



Bracing

Sonotube 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.



Sonotube concrete forms can also be tied into other forms or structural members.

Pouring

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

Sonotube concrete forms are engineered not to buckle, swell or lose shape, and have been successfully used with a continuous pour of columns well over 40 feet. Do not exceed ACI-recommended pour rates.

Concrete must be vibrated during pour.



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. Sonotube concrete forms should not be left on the column for more than five 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.

Sonotube® round concrete forms**Sizes**

Forms are available in lengths up to 60' with diameters ranging from 6" to 60."

Concrete Requirements *(Expressed in cubic yards for columns of various heights)*

Diameter (in.)	Height of Column						
	3 ft.	6 ft.	8 ft.	10 ft.	12 ft.	16 ft.	20 ft.
6	.022	.044	.058	.073	.088	.117	.146
8	.039	.077	.103	.129	.155	.206	.258
10	.061	.121	.162	.202	.242	.323	.404
12	.087	.176	.233	.291	.349	.466	.582
14	.119	.238	.317	.396	.475	.634	.792
16	.155	.310	.414	.517	.620	.827	1.034
18	.196	.392	.523	.654	.785	1.046	1.310
20	.242	.485	.646	.808	.970	1.293	1.616
22	.293	.587	.782	.978	1.173	1.565	1.956
24	.349	.698	.931	1.164	1.397	1.862	2.328
26	.410	.820	1.093	1.366	1.639	2.186	2.732
28	.475	.950	1.270	1.584	1.901	2.534	3.170
30	.545	1.091	1.454	1.818	2.182	2.909	3.636
32	.621	1.241	1.655	2.069	2.483	3.310	4.138
34	.701	1.401	1.868	2.335	2.802	3.736	4.670
36	.785	1.571	2.094	2.618	3.142	4.189	5.236
40	.970	1.939	2.586	3.232	3.878	5.171	6.464
42	1.069	2.138	2.850	3.563	4.276	5.701	7.126
48	1.396	2.792	3.723	4.654	5.585	7.446	9.308
54	1.767	3.534	4.712	5.890	7.069	9.424	11.780
60	2.181	4.363	5.817	7.272	8.727	11.634	14.544

Learn more about Sonotube forms

Sonotube concrete forms are available from dealers throughout North America. For additional product or technical information, please contact your Sonotube concrete form distributor or Sonoco.

Sonoco, founded in 1899, is a global manufacturer of industrial and consumer products and provider of packaging services, with more than 300 locations serving customers in 85 nations. For more information about the Company, visit the Sonoco Web site at sonoco.com.

sonotube.com 888/766-TUBE (8823)

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