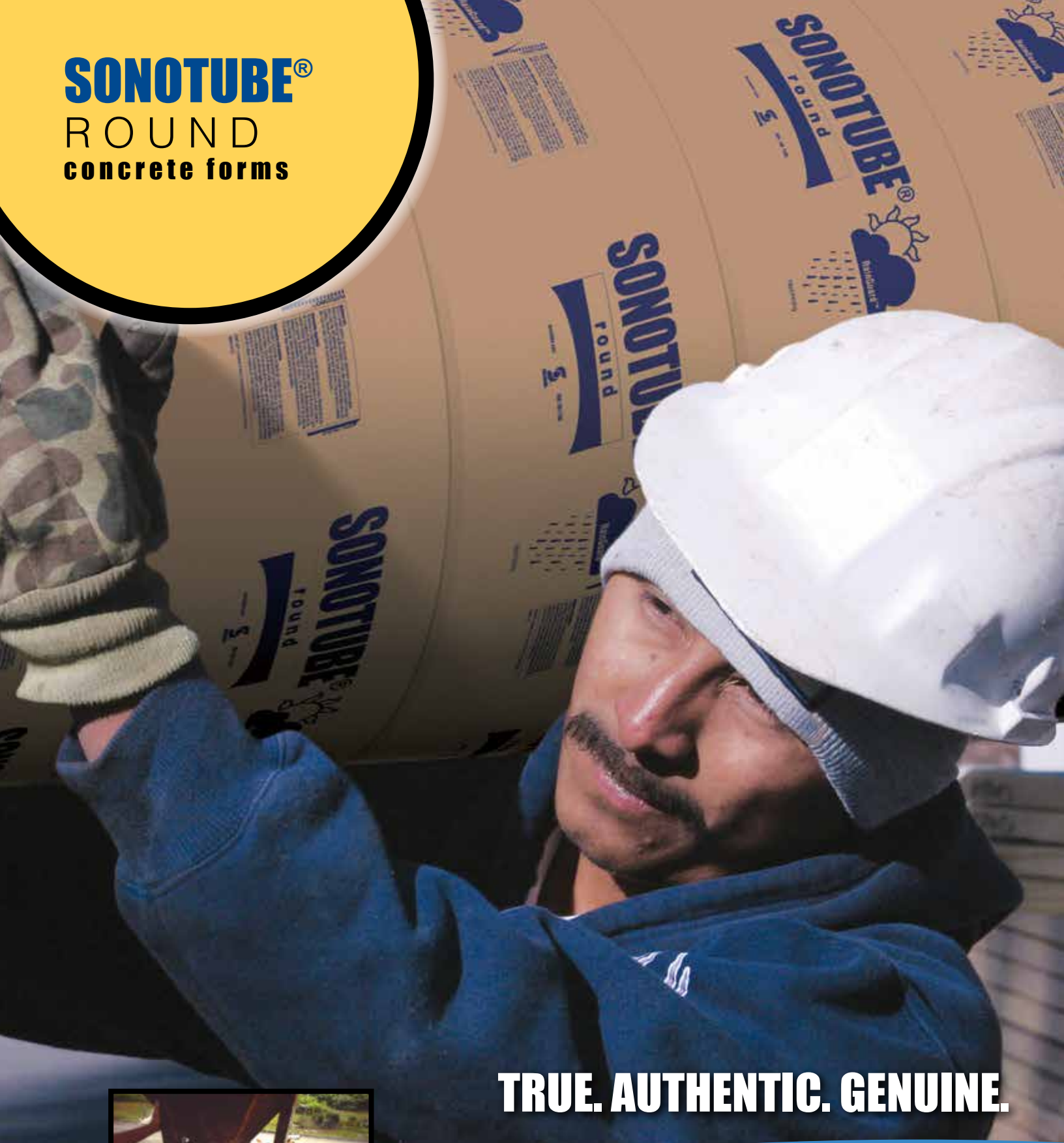


SONOTUBE®
ROUND
concrete forms



TRUE. AUTHENTIC. GENUINE.





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 70 years. More than just paper tubes, Sonotube concrete forms stand strong as the most economical way to create round columns for buildings, entrance ways, structural columns, light posts and other commercial and residential structures.

Rain resistance

Sonoco engineers applied more than a century of leadership in design, technology and manufacturing to create a high-strength, rain-resistant paper for Sonotube forms. The paper's attributes allowed Sonoco to reduce the weight of the forms, making them easier to handle, set, strip and discard. And 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.

Advantages

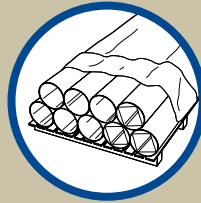
- Rain-resistant technology keeps wet weather from impacting your pour.
- Easier to setup and brace so multiple columns can be poured at one time.
- Superior strength-to-weight properties prevent blowouts.
- Easy to cut and drill at the job site.
- Heat resistance eliminates form deformation during the 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:

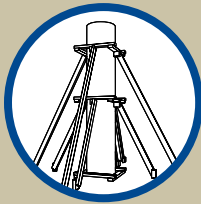
- Position over a reinforcing bar cage if desired.
- Avoid damaging the inside surface.
- Place individually or in groups for continuous pouring.



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 of a release agent is recommended with all Sonotube forms, especially when working with aggressive concrete formulations.

Sonotube concrete forms are engineered not to buckle, swell or lose shape. Sold in standard lengths of 12', Sonotube concrete forms are designed to be poured in a single lift. Do not exceed ACI-recommended pour rates.

Concrete must be vibrated during pour.



Stripping

If stripping is required, 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 less than form thickness. 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.

Sonotube® round concrete forms

Sizes

Forms are available in diameters ranging from 6" to 36." For diameters larger than 36," Sonotube Commercial is available.

Standard length is 12." Custom lengths available upon request.

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

Learn more about Sonoco's construction products

Sonotube concrete forms, Sonovoid® brand void forms and BlastMaster blasting tubes are available from dealers throughout North America. For additional product or technical information, please contact your distributor, call Sonoco at 888/766-8823 or visit sonotube.com.

Founded in 1899, Sonoco is a global provider of a variety of consumer packaging, industrial products, protective packaging, and displays and packaging supply chain services. With annualized net sales of approximately \$5 billion, the Company has 20,800 employees working in more than 330 operations in 34 countries, serving some of the world's best known brands in some 85 nations. Sonoco is proud to be a member of the Dow Jones Sustainability World Index for seven consecutive years. For more information on the Company, visit our website at www.sonoco.com.