

Lil' Suctioner

The Ultimate "Suction" Cup

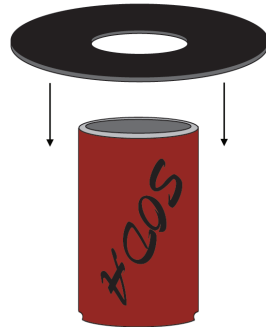
#SC-100

How to put a Lil' Suctioner on a soda can:

Step 1: Put the (unopened) can upside-down.

Step 2: Slide the Lil' Suctioner over the bottom of the can fabric side first.

Step 3: Flip the rubber side down and nudge the Lil' Suctioner down to about 1/2 inch from the bottom edge of the can.



Step 4: Stick the can, with its Lil' Suctioner, to any flat, smooth, non-porous surface.

Try to pick it up, can you?

To pick up the can, simply peel up one edge of the Lil' Suctioner. There will be no resistance!



Lil' Suctioner

The Ultimate "Suction" Cup

AND

THE **ULTIMATE** DRINK HOLDER!



ANYWHERE
YOU CAN!



ON THE BOAT!



AT THE OFFICE!



ON THE LAWNMOWER!

Simply slide the Lil' Suctioner over the bottom of any round object and place it onto a smooth surface.

Sideways, slantways, even upside-down, it will stick!

Get years of use from this high-grade, durable, engineered rubber "suction" device!

This unique product has been successfully tested at over 85MPH on the bow of a 42' offshore racing boat and it returned intact!

With hundreds of uses, the Lil' Suctioner minimizes spills and makes a great hands-on demonstration for any age!

Use the Lil' Suctioner with: Soda cans, drinking glasses, baby bottles, soda bottles, spray paint cans, coffee cups, hair spray, shampoo bottles, or anywhere you don't want a spill to happen!

READ INSTRUCTIONS ON OPPOSITE SIDE.
FOR USE ON SMOOTH, CLEAN, NON-POROUS SURFACES.



Educational Innovations, Inc.

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Invention and the "Eureka! Moment" *The Story of the Lil'Suctioner*

The Lil'Suctioner was invented by Mike Adjeleian, a graduate of the Rhode Island School of Design. Mike's primary area of interest was in designing products for law enforcement and the military. He holds several patents for products related to this field.

Mike noticed that police officers conducting searches frequently use a flashlight to peer into windows. The problem is that a portion of the light is reflected off the window and creates glare. In 1998, having identified the need, he had the idea of creating a flashlight hood or bellows that would block the glare and improve visibility.

After trying several more complicated ideas, he decided to try a simple, round pattern cut from a flexible, fabric-coated material. He slipped his 15" prototype onto his flashlight and walked to the window in his studio. The following is how Mike described the moment of discovery:

"This is when the unthinkable, and unattainable by traditional design methodology, happened. The flashlight pulled itself out of my grasp, and remained suspended perpendicular to the glass, while I checked my pulse and waited for the shivers down my spine to subside. It was still there when I revived myself. This was the Eureka moment for me personally..."

While it was not practical as a flashlight hood, Mike found scores of other uses. The Lil'Suctioner is most popular as a beverage holder that will adhere to any smooth surface.

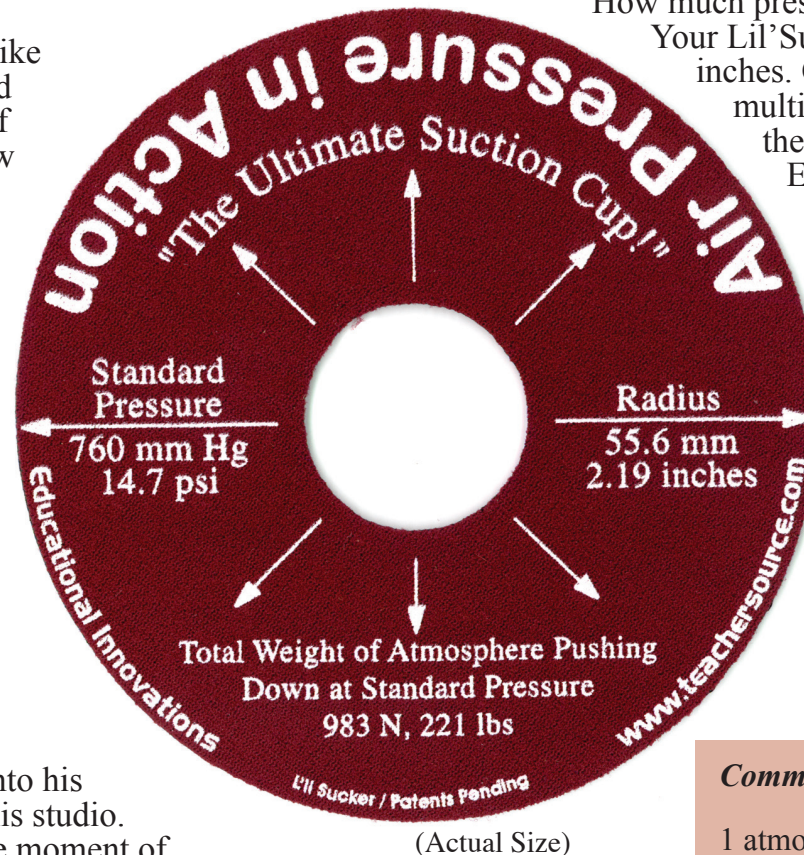
Try to use your Lil'Suctioner to hold a can on a vertical surface. Carefully pull on it to feel the resistance. Imagine the grip that a 15" one would have!

How much pressure is holding down your Lil'Suctioner?

Your Lil'Suctioner has a radius of approximately 2.19 inches. Calculate the area of the Lil'Suctioner and multiply it by the air pressure. You can measure the air pressure with a barometer like our Eco-celli Barometer (Item #BAR-200) or use standard pressure of 14.7 psi. You don't need to worry about the hole in the center because you fill this space with your soda can.

$$\pi (2.19)^2 \cdot 14.7 = \sim 221 \text{ lbs or } 983 \text{ N}$$

This weight of 221 lbs is, theoretically, the weight of the cylindrical column of air measured from the surface of your Lil'Suctioner to the edge of the outer atmosphere.



(Actual Size)

Common Units of Force and Pressure

1 atmosphere	= 760 millimeters of mercury (Hg)
	= 1.013 x 10 ⁵ pascals
	= 14.70 pounds per square inch
1 torr	= 1 millimeter of mercury (Hg)

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