

SLW 6" Channel Letter Brake

User Guide



Operation and Mounting Instructions

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Scope

This document describes the operation and mounting instructions for the SLW 6" Channel Letter Brake. Please read all instructions and precautions before operating the brake.

For questions concerning the operation or mounting of the brake, please contact Sales@SignLightingWorld.com.

The SLW 6" Channel Letter Brake has a unique dual ball-bearing design that makes bending of returns easier than ever!

General Information:

1. Package contents: the SLW Brake, Bending Handle, mounting hardware, mounting template and User Guide. Refer to Figure 3 for parts identification.
2. To attach the Bending Handle, remove & save the screw from the top of the Bending Die. Attach the Bending Handle to the Bending Die using the screw that was removed.
3. The Brake is shipped with suction cups installed for portable use with aluminum up to .050" in thickness. Only use Suction Cups on clean, non-porous surfaces.

Mounting Options

The brake can either bench mounted or used in the portable configuration. With any of the mounting options, the mounting surface needs to be stable so as not to move when the brake is operated. If the brake is used with .063" aluminum, it should be securely mounted to a sturdy table as it will require more force to bend this material than the suction cup adhesion will handle.

CAUTION: Please exercise caution when using the suction cup mounting method. Suction cups must be depressed completely & the brake fully secured to mounting surface before attempting to bend any material.

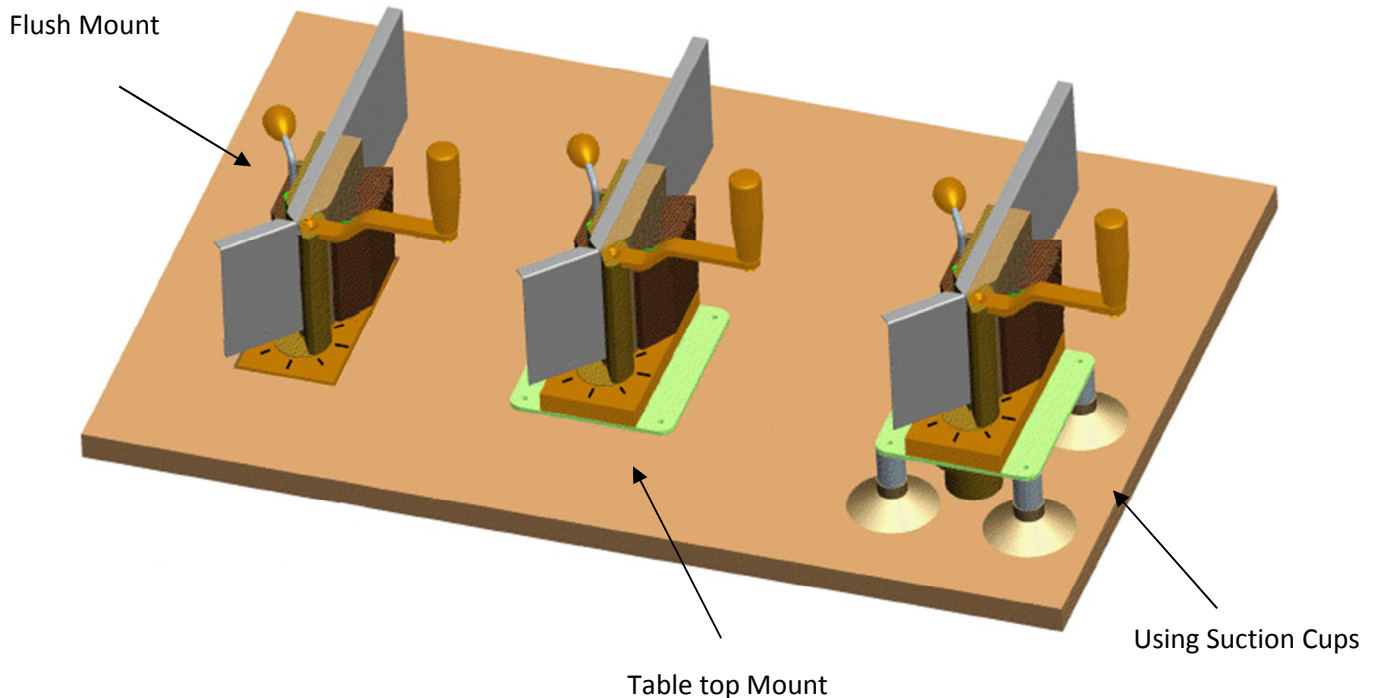
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Portable Options

1. The Brake may be used with the supplied suction cups on a sturdy, flat, level, non-porous surface only. Simply push down until all suction cups are fully depressed. If suction cups do not stay down, try moistening each with a drop of water. To relocate the brake, simply pull up on each of the suction cup tabs.
2. The brake may be bench mounted or clamped into a vise.

Bench Mounting Options (See Figure 1)

1. **Flush Mount** – The brake may be mounted into a 1" thick bench with the flange under the bench. This option will leave the bending area flush with the top of the bench.
2. **Bench Top Mount** - The brake may be mounted to any bench top with the flange on top of the bench. This option will leave the bending area approximately 1" above the top of the bench.



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Mounting Instructions: (Use Template Provided)

The brake's Flange Plate (see Figure 3) has threaded 1/4"-20 holes for installation. The installation kit includes a mounting template, four 1/4"-20 machine bolts & four 1/4"-20 washers. Additional spacers, washers or longer bolts (not provided) may be required for your particular installation.

Table Top Mounting:

1. Drill a 0.327" hole to allow for the bearing assembly and four 0.27" holes for the mounting bolts (see template).
2. Remove legs from brake assembly using the Allen key provided.
3. Insert the brake from top of table into large hole and align mounting bolt holes.
4. From the bottom of the table insert the 1/4-20 bolts and thread into the holes that were used for the legs. Tighten securely.

Flush Mounting:

Determine table thickness; the base of the brake is 1.00" thick.

If the table is less than 1" thick, spacers (not provided) will be needed between the flange and the bottom of the table.

If the table is greater than 1" spacers will be needed between the base and the flange. To add spacers, loosen and remove the four flange bolts, insert spacers and retighten the bolts.

Using template provided, cut the green square section out of the table and drill and countersink the four 0.27" holes.

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Brake Operation: (See Figures 2 & 3)

1. Insert the notched and flanged return between the Retaining Jaws with the Bending Handle on the appropriate side. Note: Start at first notch at one end of the return.
2. Line up the point of the notch to be bent with the end of the retaining jaws.
3. Push the Clamping Handle back toward the rear of brake until it locks into place (as shown in Figure 2).

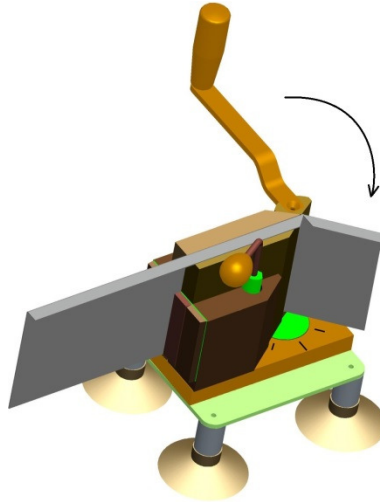


Figure 1

4. Rotate the Bending Handle, bending the material to desired angle using tick marks on the Base as a guide.
5. Release the Clamping handle by pulling it forward. The retaining jaws will open.
6. Move the material forward to the next notch in the material and repeat steps 3-5.

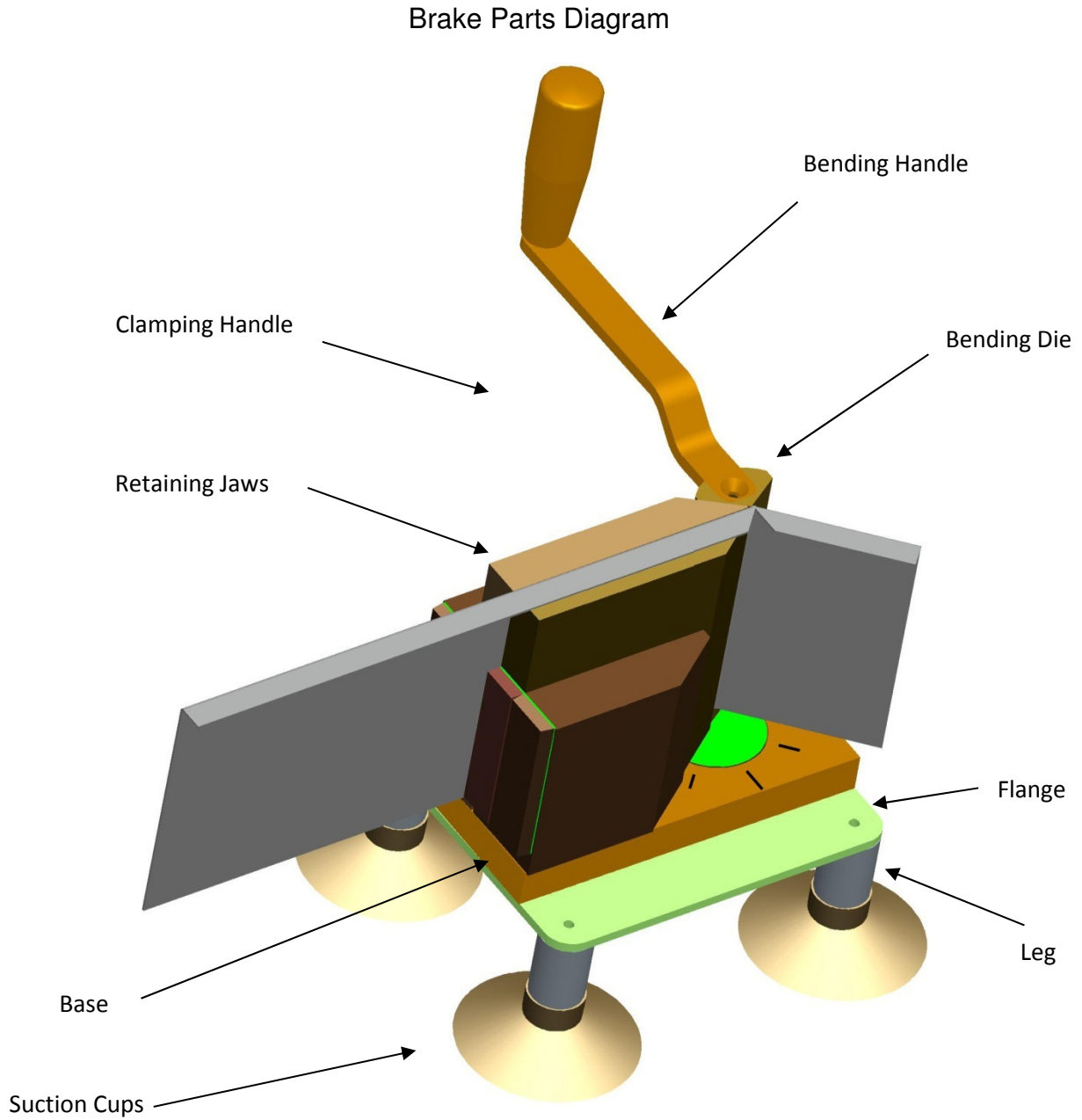


Figure 3

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Warranty

Sign Lighting World warrants the SLW Letter Brake to be free of defects in material and workmanship for one year from date of purchase. This warranty does not apply if damage occurs from improper handling or operation, abuse or misuse. This warranty does not cover liability for incidental or consequential damages.

Service and Parts may be obtained by contacting Sign Lighting World at Sales@SignLightingWorld.com. Or call, 720-242-9000