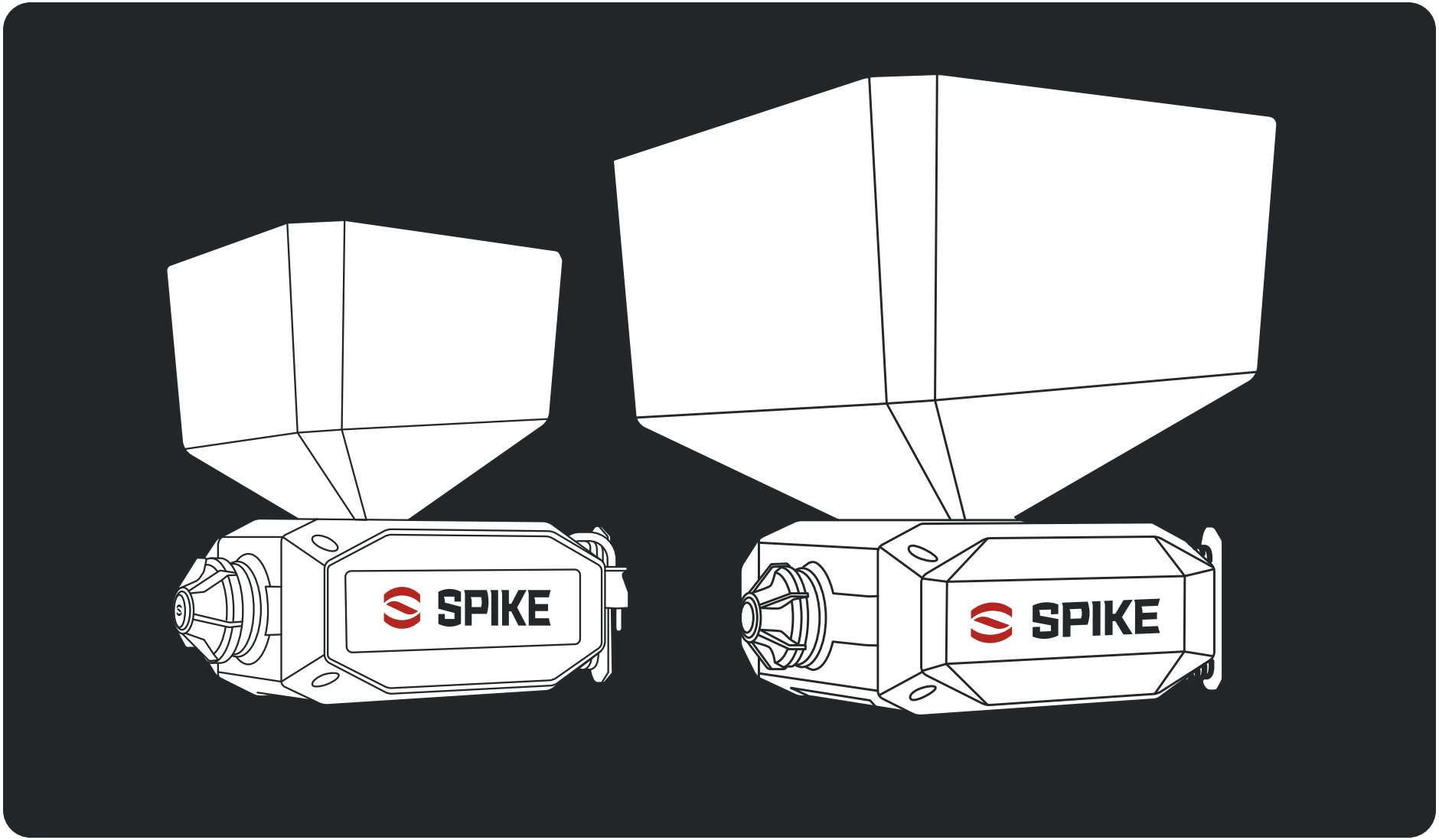


The Spike Mill

User Guide

Caution Statements

⚠ CAUTION

- Avoid putting your fingers near the rollers when the unit is plugged in or in operation.
- Always disconnect the power supply from the Grain Mill before conducting any maintenance.
- Refrain from using water or other liquids for cleaning the Grain Mill.
- The Spike Mill is chain driven, but that is set from the factory and should not be adjusted by the user.

Congrats on your purchase of the Spike Mill!

This guide will walk you through the setup and proper use of your new Spike Mill. While the setup is the same for both the Home and Pro model, we do outline the differences when applicable.

01. **Setup** ..... 4.
- Mill Assembly ..... 5.
- Mounting ..... 8.
- Table Assembly ..... 9.
- Bucket Adapter Assembly ..... 12.

02. **Operating** ..... 14.
- Using the Mill ..... 15.
- Cleaning ..... 16.

03. **FAQs** ..... 17.

01.

Setup

Mill Assembly

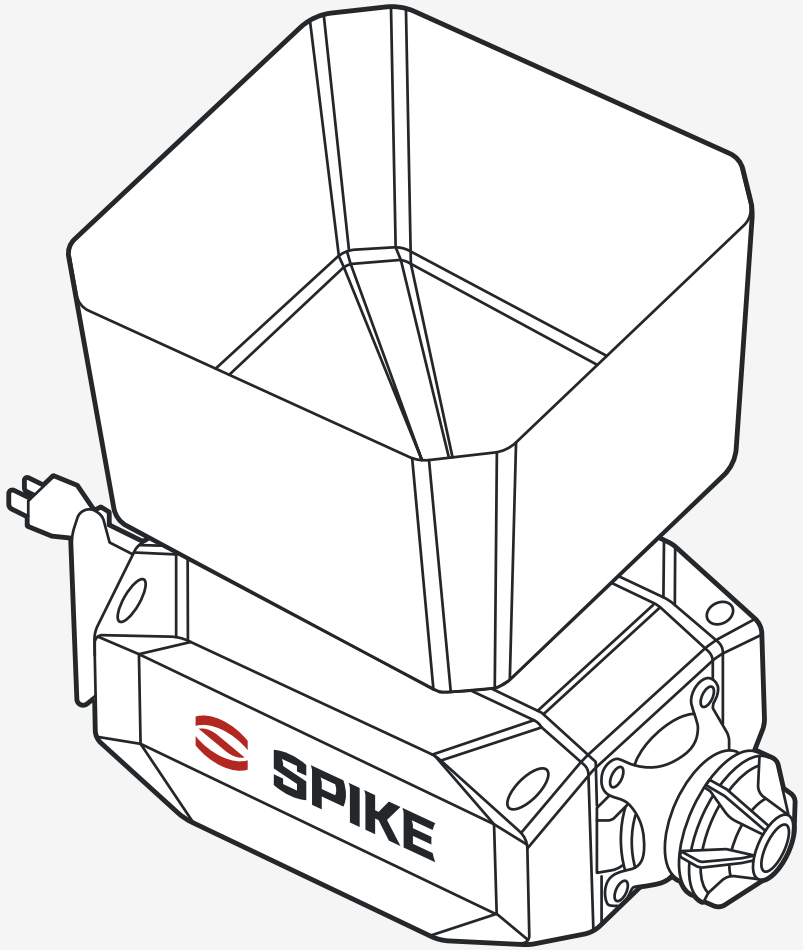
Mounting

Table Assembly

Bucket Adapter Assembly

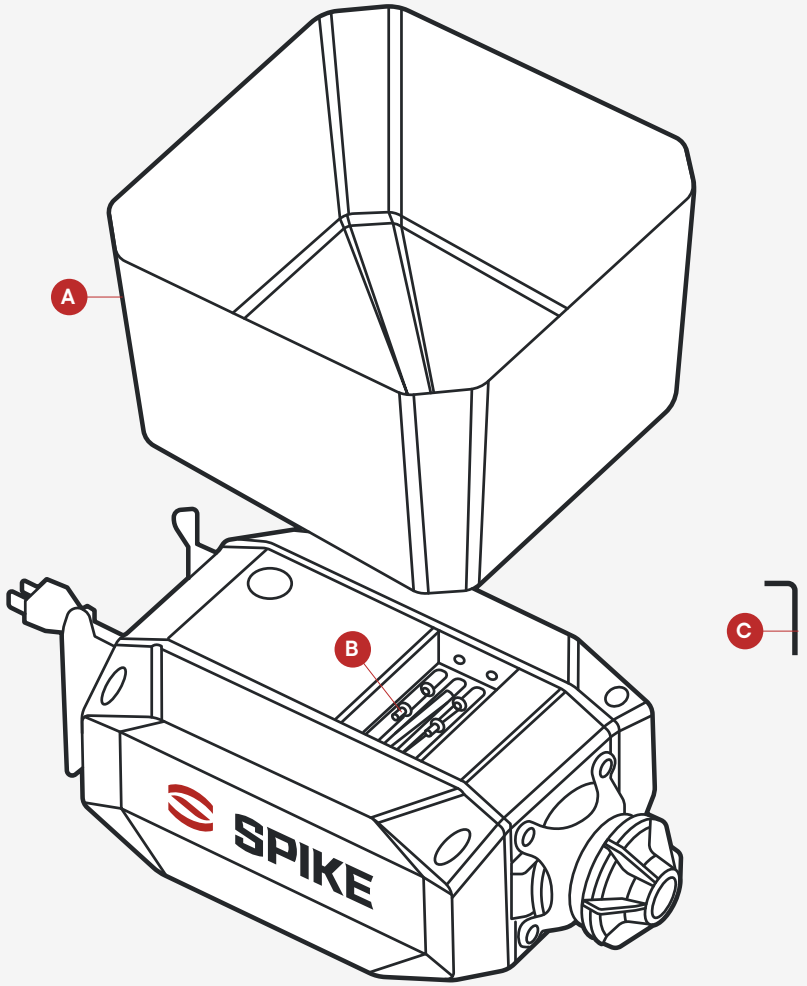
Assembly –

Mill



Assembly –

Mill

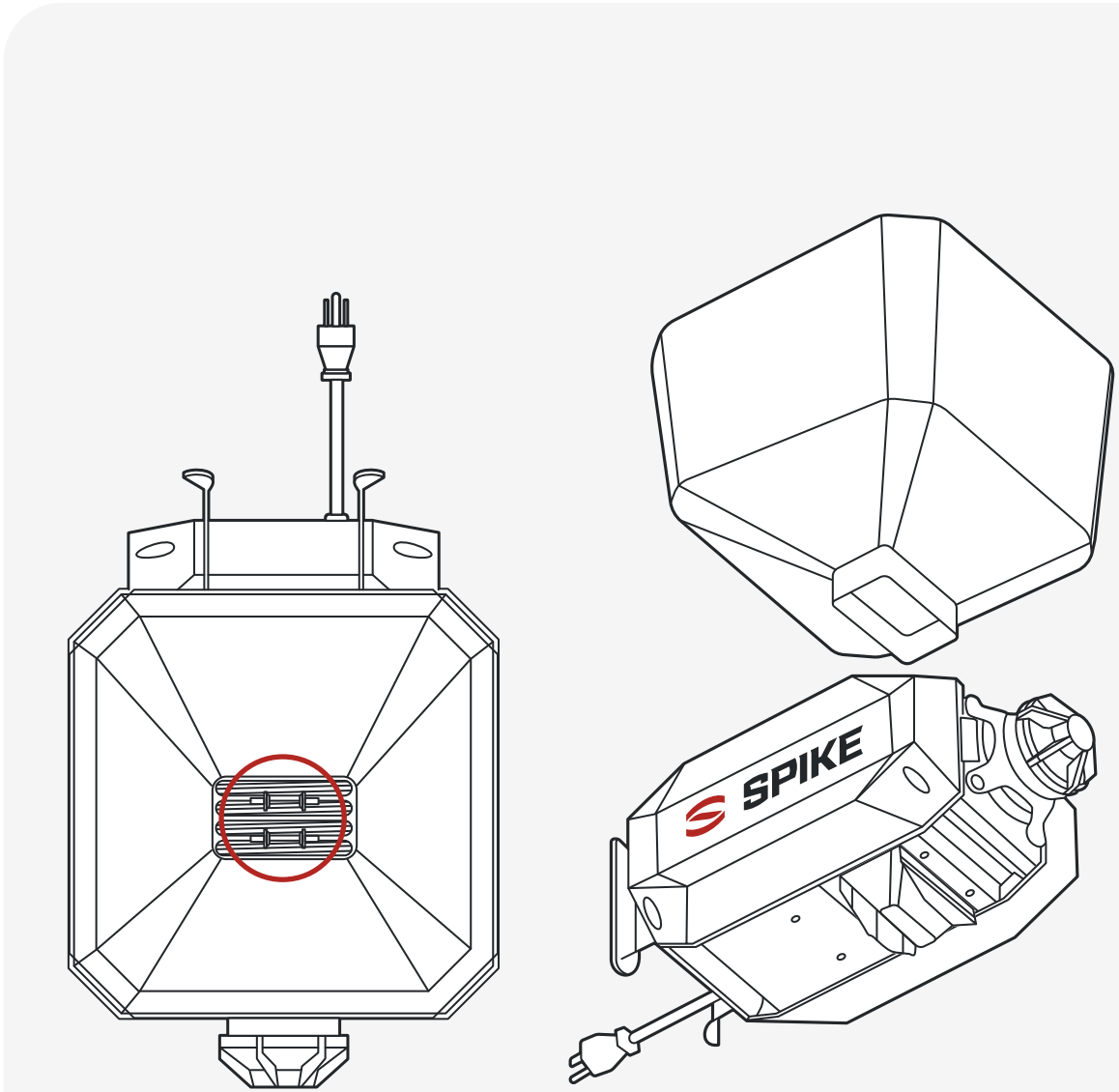


ITEM	DESCRIPTION	QTY
A	Hopper	1
B	Hopper Bolts	4
C	5mm Hex Key	1

Assembly –

Mill

Assemble the hopper to the mill body using the hopper bolts and 5mm hex key.



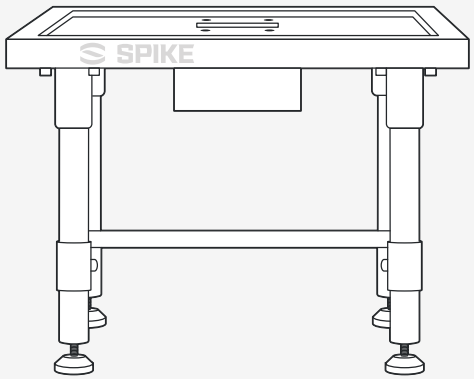
Assembly –

Mounting

To help simplify your brew day and keep your brewing area as neat and clean as possible, Spike offers multiple mounting options for your mill:

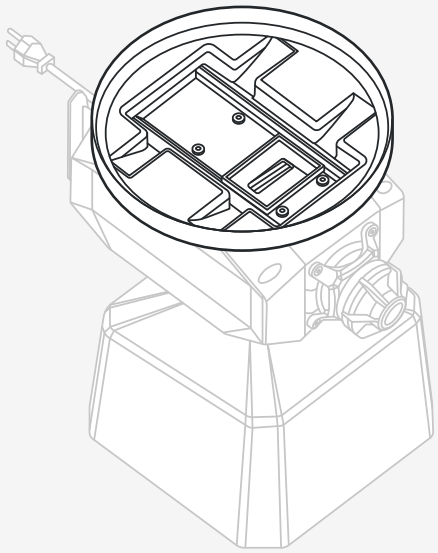
Option A: Spike Mill Table

Made out of 304 stainless steel, the Spike Mill Table has extra reinforced bracing, built-in mounting holes and an integrated polyester cloth dust chute so cleanup is kept to a minimum and all your crushed grain makes it into the mash, not on the floor. (See assembly instructions on **page 9**)



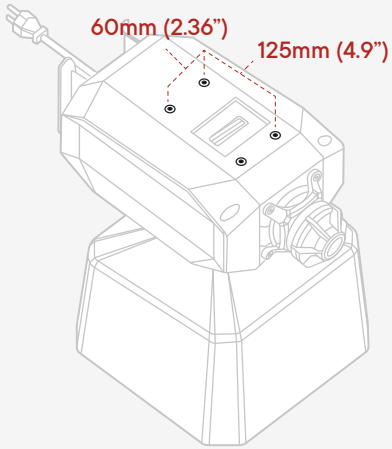
Option B: Bucket Adapter

If you decided to purchase a Spike Mill Bucket Adapter, smart move. The bucket adapter is a simple, proven method to eliminate dust in your milling area. If you have not purchased the bucket adapter yet, you can always purchase it at a later time to upgrade your milling setup. (See assembly instructions on **page 12**)



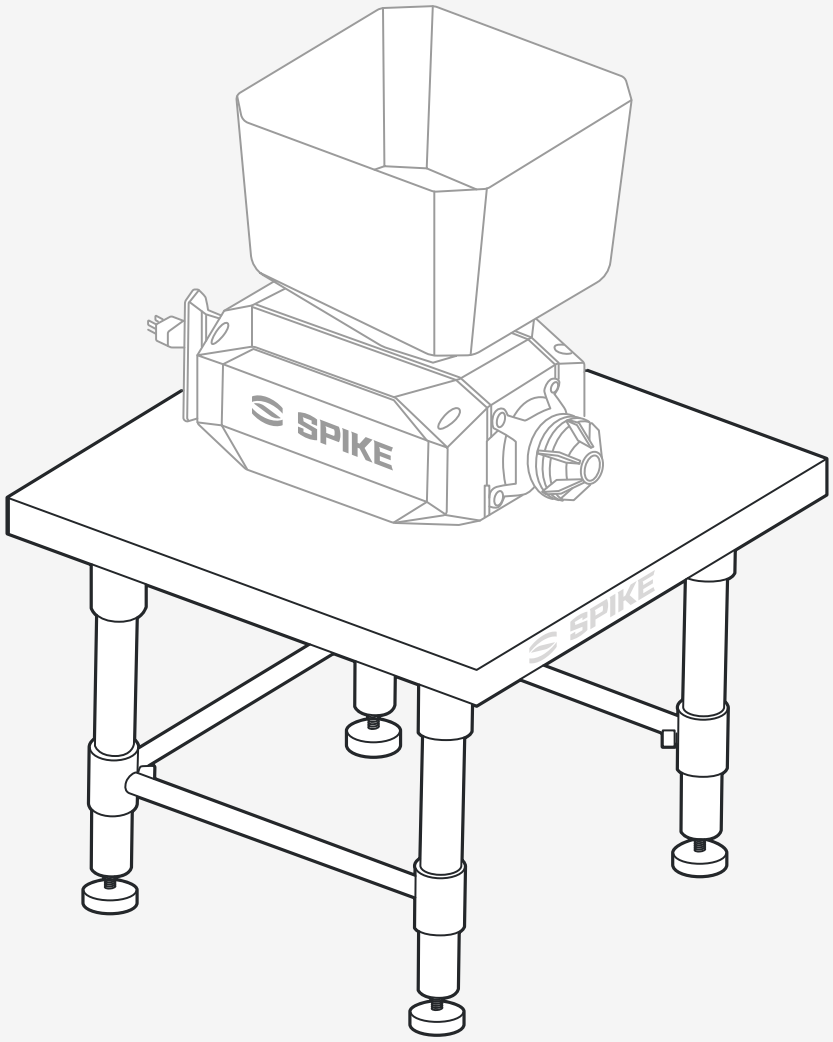
Option C: DIY

For all of our users that want to build your own solution to mount the Spike Mill, we have a simple solution for you. 4X M6X1.0 tapped holes are included on the bottom of every Spike Mill body that can be used to satisfy your unique mounting solution. See below for the bolt pattern dimensions. (See **page 17** for a to-scale, printable template)



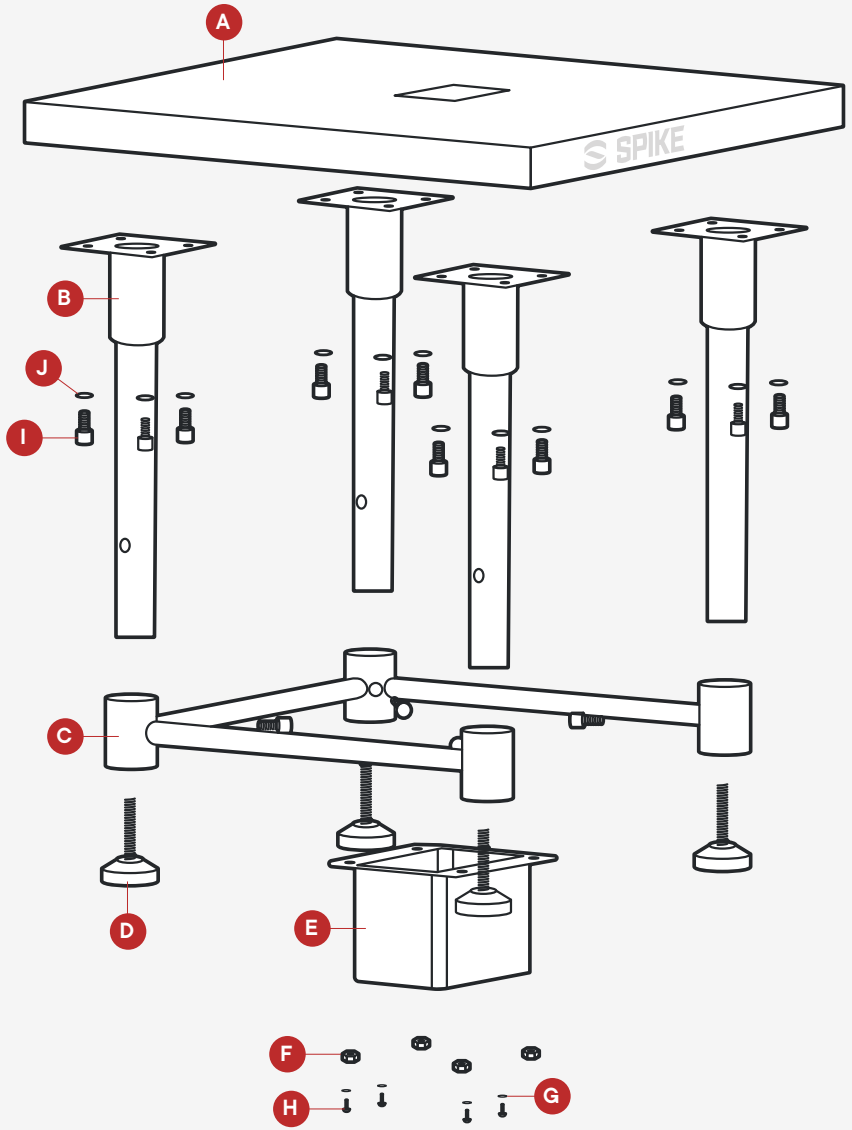
Assembly –

Mill Table



Assembly –

Mill Table



ITEM	DESCRIPTION	QTY
A	Table Top	1
B	Table Leg	4
C	Leg Support Bracket	1
D	Table Leveling Feet	4
E	Grain Chute	1
F	Grain Chute Mounting Nuts	4 (6*)
G	Mill Mounting Lock Washer	4 (6*)
H	Mill Mounting Screws	4
I	M8 Bolt	20
J	M8 Lock Washer	20

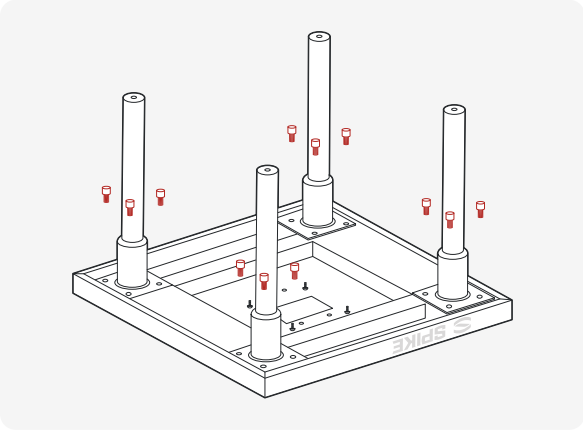
*indicates the pro mill quantity

Assembly –

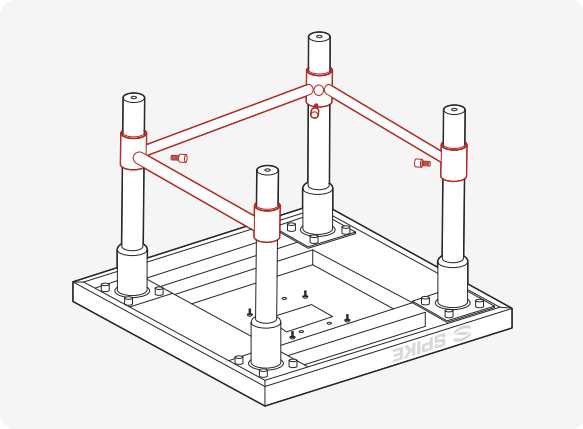
Mill Table

1. Place the tabletop upside down and line up each leg with the 4 corners of the table.

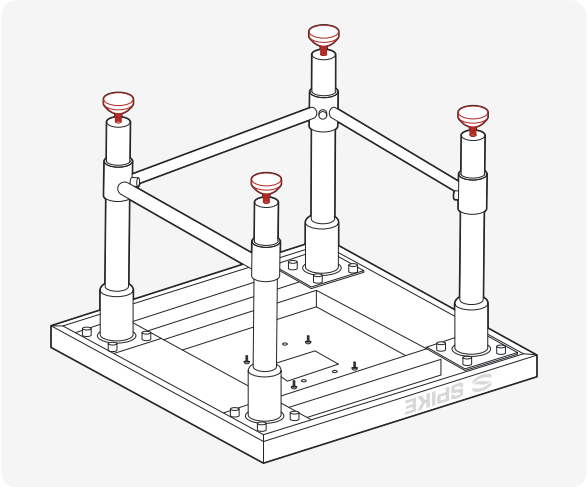
2. Use the hex key to secure each leg to the table using 4 screws and 4 lock washers per leg.



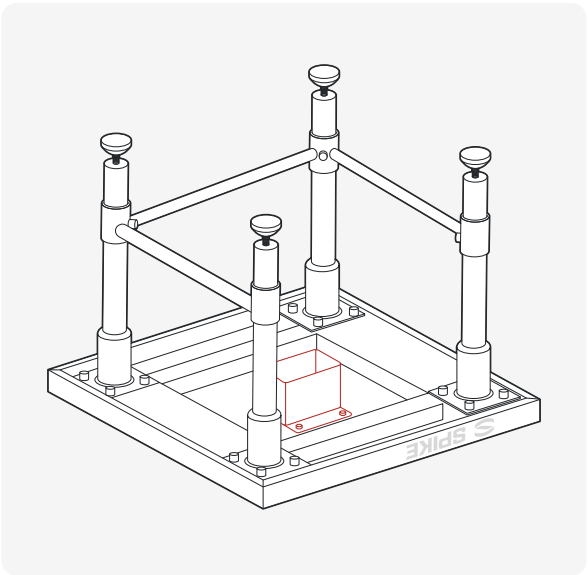
3. Slide the table support bracket over the 4 table legs and secure to each leg using 1 screw and 1 lock washer per leg.



4. Screw on a leveling foot to each leg.

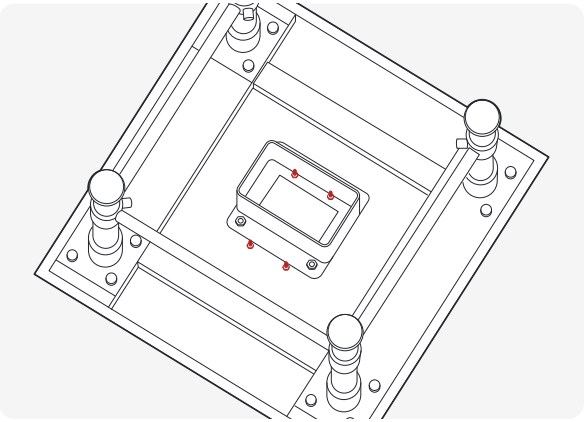


5. Slide the grain chute over the welded studs on the bottom of the table and secure with 4 nuts.

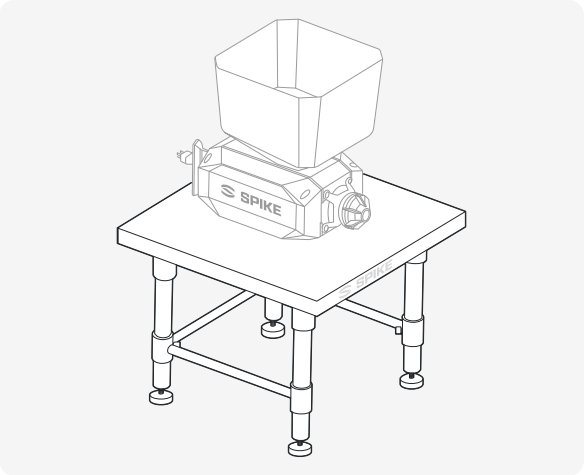


6. Flip the table over so that it is resting right side up. Gently place the mill onto the table and then use 4XM6 screws along with 4 lock washers through the table to attach the mill.

   Note: Some of the screws/lock washers may need to slip underneath the flaps of the grain chute.



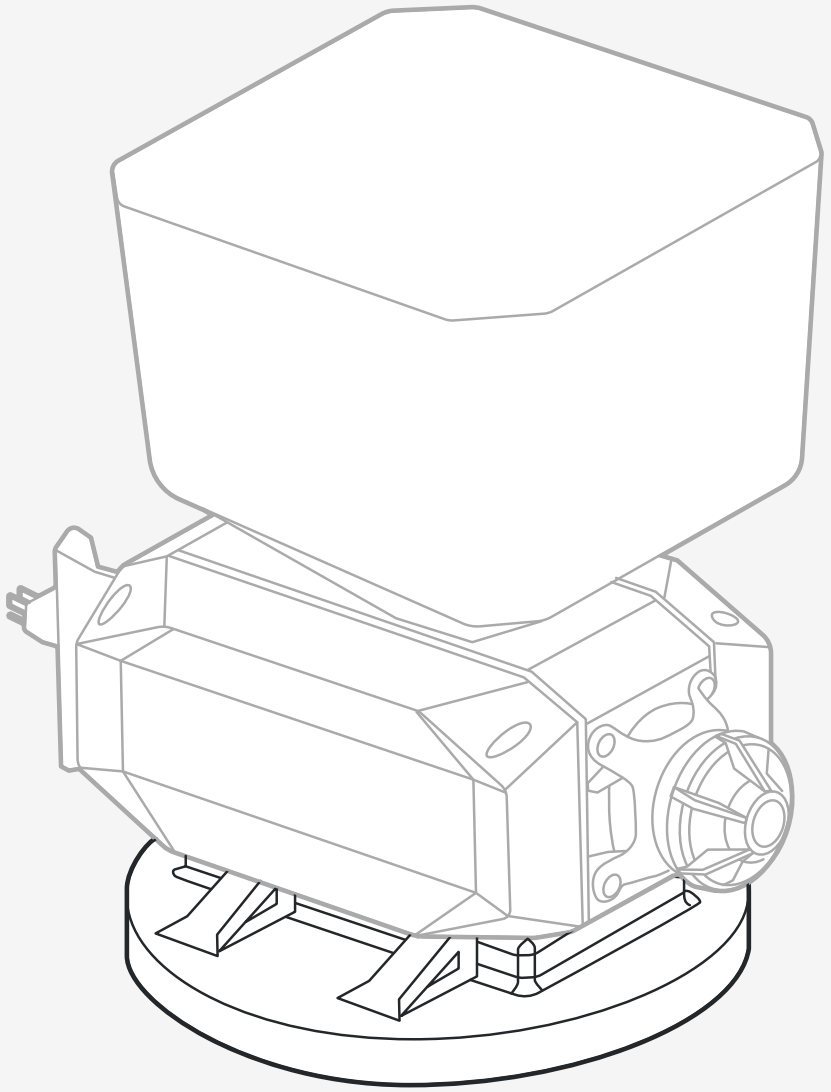
7. Tighten the screws to the bottom holes on the mill and grab a beer, you've earned it!



Assembly –

Bucket Adapter

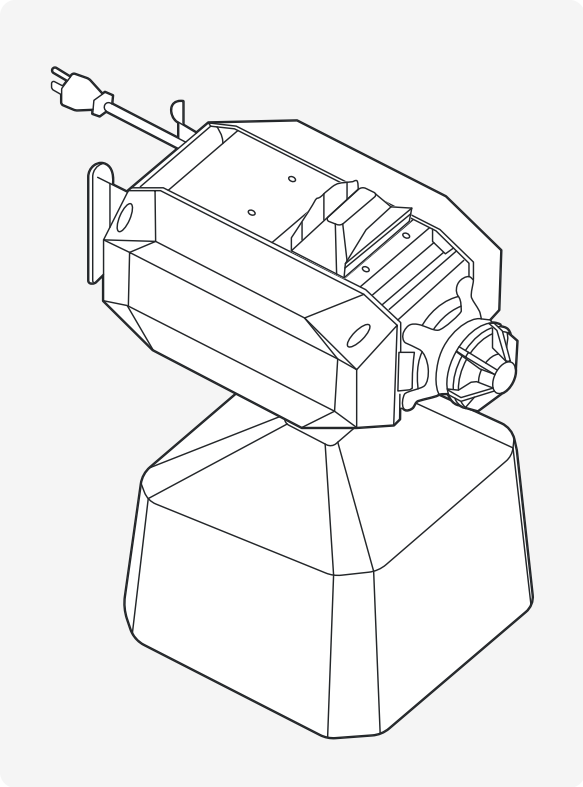
Note: Bucket adapter **cannot** be used with the Pro Mill.



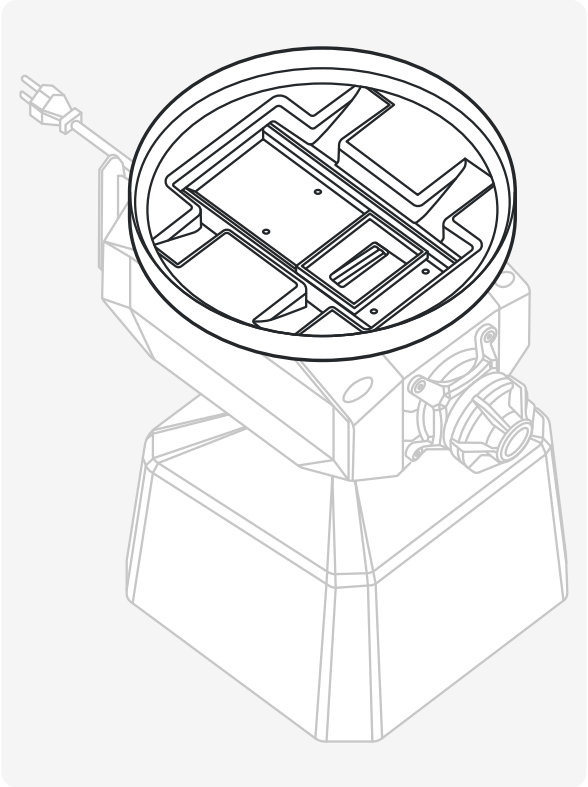
Assembly –

Bucket Adapter

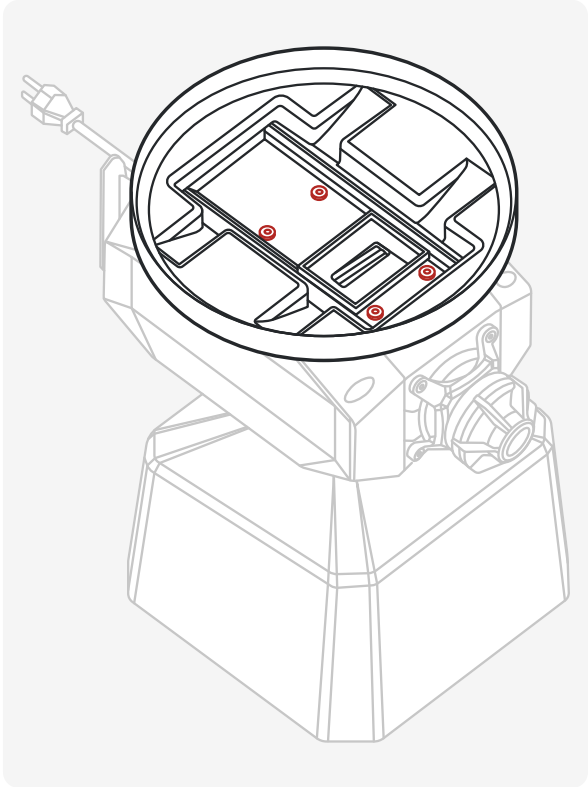
1. Place the assembled mill upside down so that it is sitting on its hopper.



2. Place the bucket adapter body on top of the mill and line the mounting holes up as shown below.



3. Secure the bucket adapter to the mill body using 4XM6 bolts and 4XM6 lock washers.



02.

Operating

Now that your mill is fully assembled, it's ready for use.
Follow the steps in this user guide for a simple and easy experience.

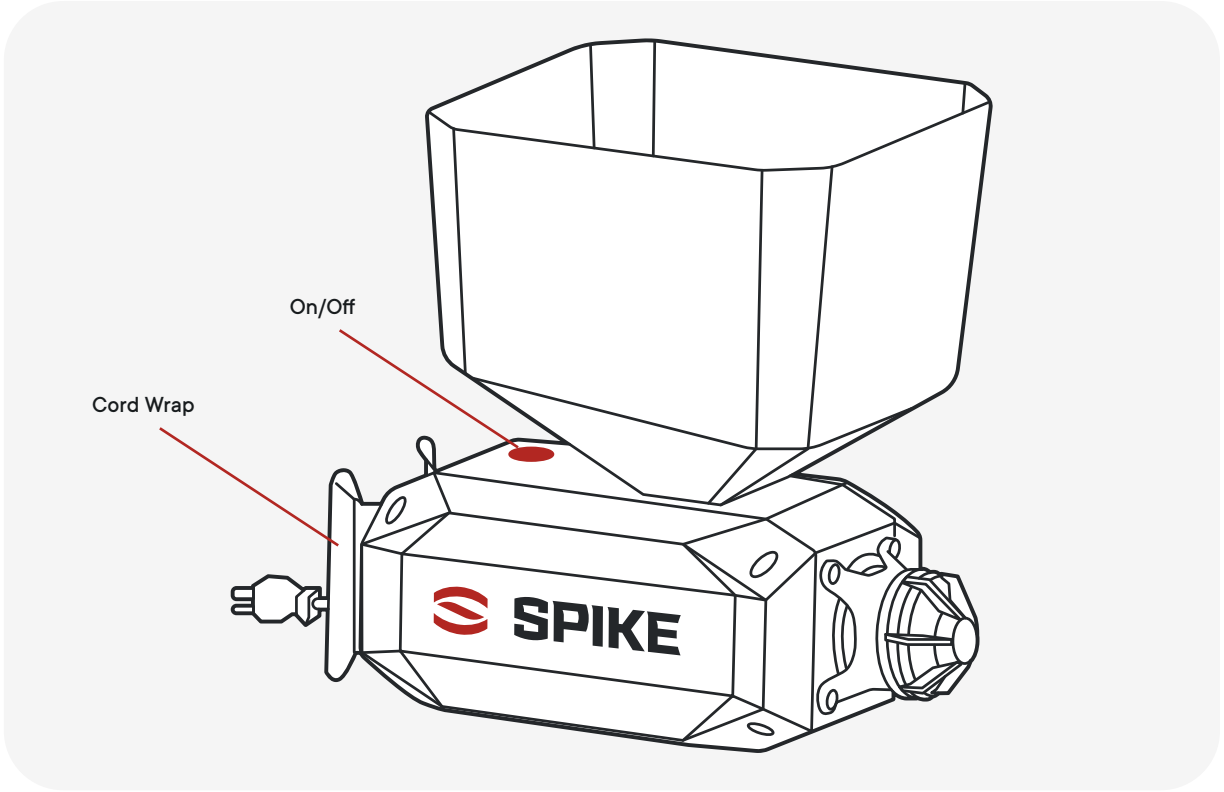
Using the Mill

Cleaning

FAQ

Operating–

Using the Mill



1. Place a container under the mill to catch milled grain.
2. Plug your mill into the wall outlet.
3. To set your gap setting, simply turn the dial so your desired mill gap lines up with the line on the mill body

PRO TIP:
You may need to use both hands to turn the dial. The dial mechanism is stiff to combat the vibration during milling which could cause the mill gap to wander.

4. Press the on button located on the backside of your mill. (shown above) The mill motor will start and the rollers will start rotating.
5. Load your grain into the hopper and let the mill do its job!

PRO TIP:
Although it is not necessary to turn the mill on before loading your grain into the hopper, we recommend it to avoid potential clogging issues.

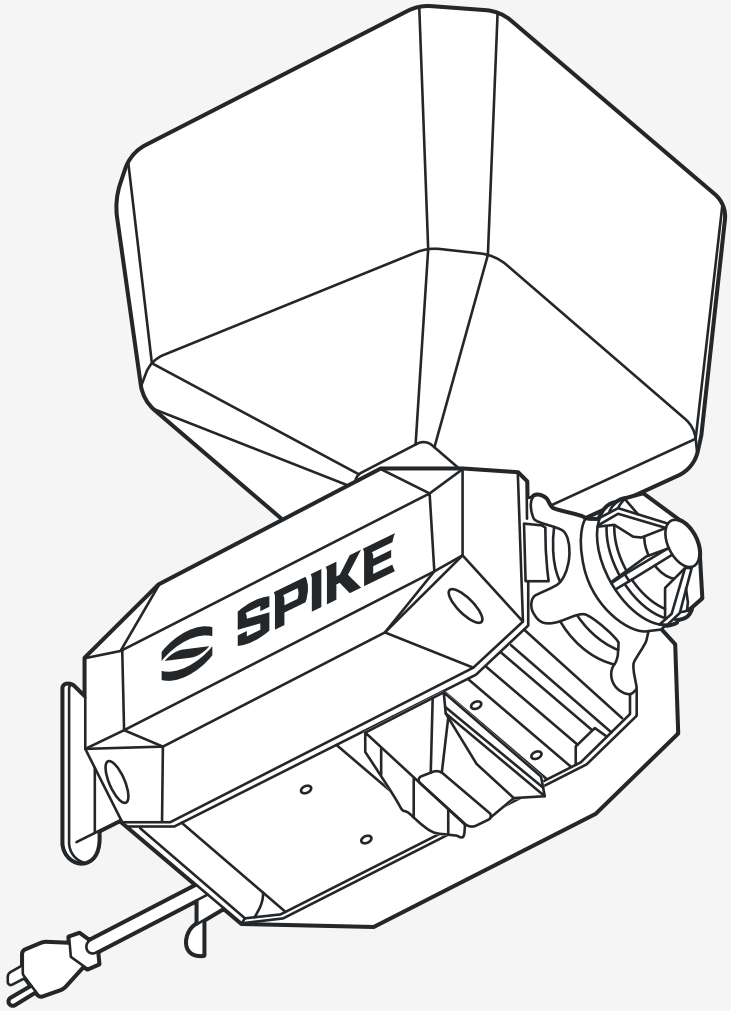
6. When your grain is done milling, simply press the button again to turn the mill off.
7. Once you're done milling for the day, wrap your cord around the back of the mill using the built in cord wrap for easy and convenient storage. (shown above)

Operating–

Cleaning

The Spike Mill was designed to crush through years' worth of grain without needing extensive maintenance. Follow these simple steps to keep it clean and happy for years to come.

1. Turn the mill on.
2. Using compressed air, clean out the roller area of the mill from both the top and the bottom while moving the adjustment dial back and forth.



FAQs

My mill seems to "studder" when I press the on button but then starts after a brief pause. Is this normal?

Yes.

This is actually a safety feature of the mill's power supply that automatically shuts itself down if it sees a load surpassing its maximum power limit. If this happens, the system will reset and try again in 3 seconds. Typically, the mill only needs 1–2 power cycles to clear any clogs or build up enough energy to alleviate the cause of this condition.

Think about it this way – when you are stopped at a stop sign, you need to press your gas pedal a little harder to get started than you would if you were simply increasing your speed while already rolling. The same thing happens with the mill! It needs a little more energy to get going but once moving, it can crush through anything you throw at it!

I set my mill to 0.04" but am measuring a gap of 0.043" on one side and a gap of 0.040" on the other. Is this normal?

Yes.

Due to part tolerances and stack-up it is impossible to have the roller gap exactly the same across the entire length. However, our quality tolerance allows for no more than 0.005" between sides.

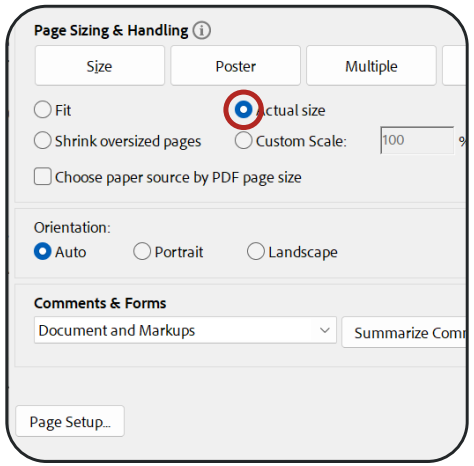
DIY Mounting Template

We've included a printable template (to the right) to mount your mill in any custom way you see fit. Simply print this page to use as a guide for your mounting holes.

Important!

Your computer may automatically scale your document, or "fit to page" before printing. You need to adjust the setting to**"actual size"** or **"100% scale"** when printing. For most programs this setting can be found in the "print preview" or "page setup" window.

If your printer is not configured this way, it may scale the page down in size causing all mounting hole marks to be incorrect. **Always double check the template size measurements before drilling!**



DIY Mounting Template

- mounting hole

60mm (2.36")

125mm (4.9")

Note: make sure your printer is set to "**actual size**" or "**100% scale**" before printing, otherwise the template will be incorrectly sized. You can find this setting in the "print preview" or "page setup" window.