

MITER SAW

VERSION 3.1



AUTODESK
PIER 9

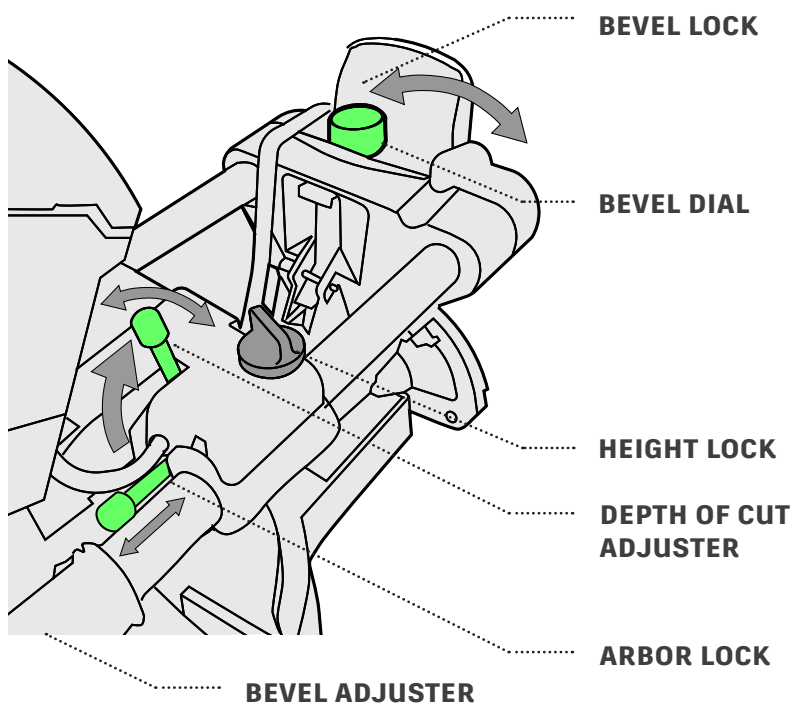
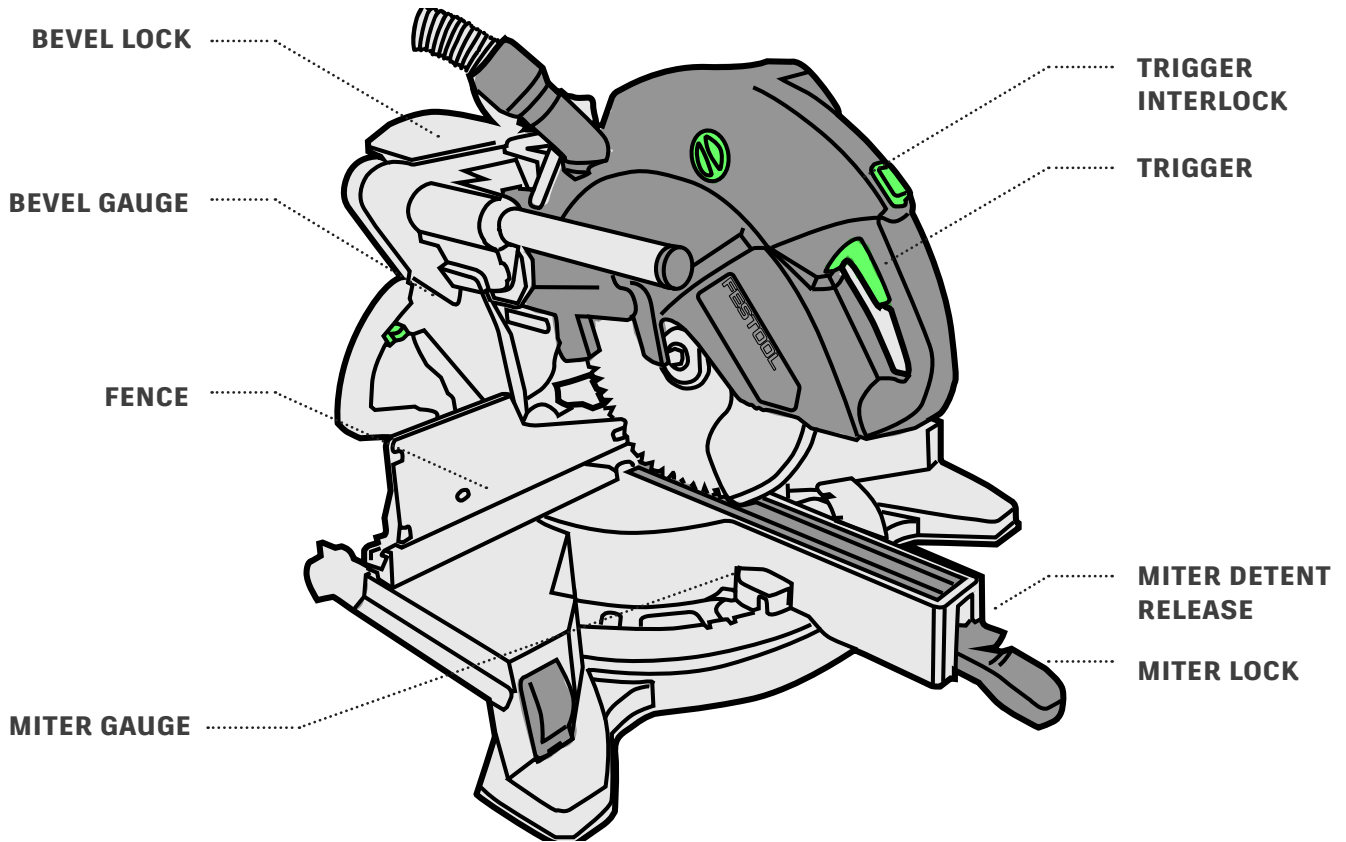
MITER SAW

MACHINE CONTROLS

VERSION 3.1

ALL THE ADJUSTERS ON THE SAW ARE GREEN OR GRAY, AND DO NOT REQUIRE TOOLS.

P. 2



MATERIALS

i ALLOWED MATERIALS

+ Wood

x BANNED MATERIALS

+ Metal

+ PVC

+ Pressure treated wood

+ Carbon fiber and composites

? SEE SHOP STAFF FIRST

+ Plastic

+ All other materials

MITER SAW

SAFETY

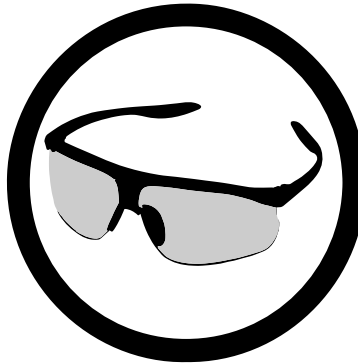
VERSION 3.1

USE PERSONAL PROTECTIVE EQUIPMENT WHEN OPERATING THE MITER SAW.

P. 3



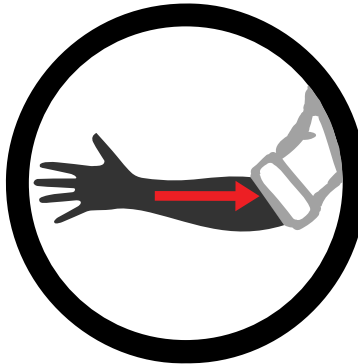
**PROTECT YOUR EYES
FROM FLYING CHIPS
AND DUST.**



Always wear safety glasses.



**AVOID LOOSE CLOTHING
AND OTHER ITEMS
THAT COULD BE CAUGHT
IN ROTATING PARTS.**

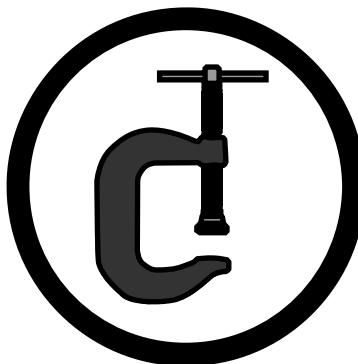


Always wear short sleeves, or rolled sleeves, pull back and tuck in long hair, remove jewelry and lanyards, etc.

Do not wear gloves.

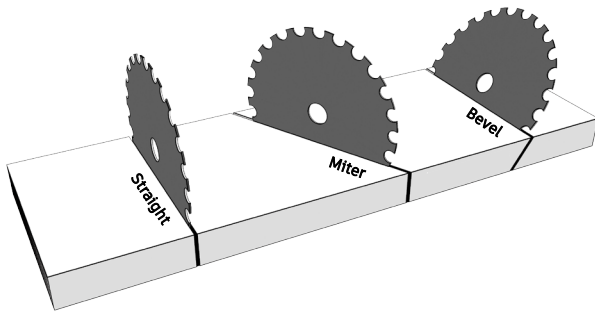


**KEEP FINGERS AWAY
FROM THE BLADE AT
ALL TIMES.**



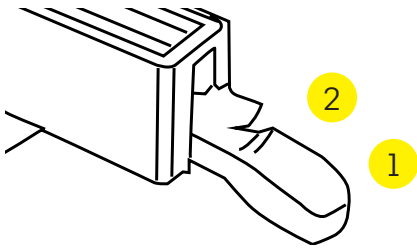
Clamps are recommended for all work; required for small work.

Do not cut short pieces that require your hands to be within 8" of the blade.



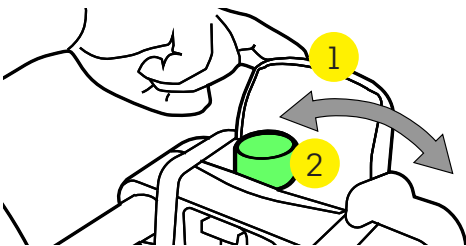
MITER AND BEVEL CUTS

- + A *miter* cut is made at an angle other than 90°, with the blade vertical.
- + A *bevel* cut is made with the blade tilted over.
- + A *compound miter* cut is a combination of a miter and bevel cut.



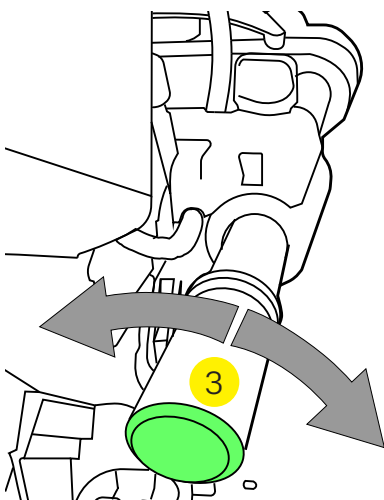
ADJUSTING FOR A MITER CUT

1. Flip the *miter lock lever* up (horizontal).
2. Push down on the *miter detent lever* with your thumb.
3. Rotate the saw to the desired angle.
 - ▶ If using a common angle, the miter detent lever will drop into position.
4. Push the *miter lock lever* down.



ADJUSTING FOR A BEVEL CUT

1. Flip the *bevel lock lever* up.
2. Rotate the *bevel dial* if needed.
3. Rotate the saw to the desired angle.
 - ▶ For fine control, use the *bevel adjuster* on the front of the saw.
4. Push the *bevel lock lever* down.
 - ▶ The bevel lock lever must be in the down position before cutting.
5. Check the fence for blade interference.



MITER SAW

HANDS ON

VERSION 3.1

CLEAR STEPS FOR SAFE MACHINE OPERATION.

P. 5

AREA AND MACHINE PREPARATION

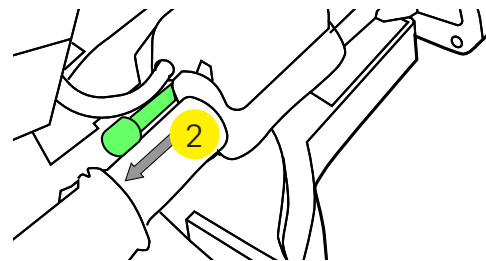
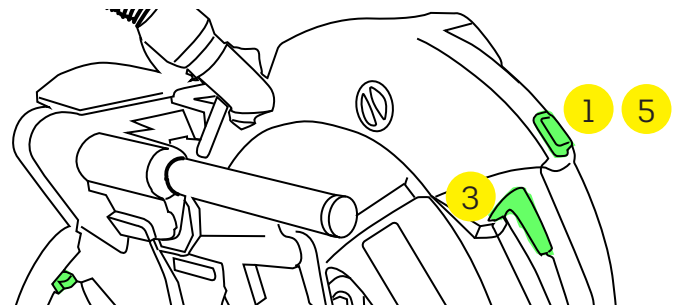
1. Clean and clear the table.
2. Make sure there is sufficient room around the saw for your workpiece.
3. Turn on the dust collection.
4. Release the height lock to raise the blade.
5. Adjust the miter and bevel angle if needed.
6. Place your material on the table, tight against the fence.
7. Small pieces must be clamped.
 - ▶ If in doubt, clamp it.

USE CLAMPS TO KEEP YOUR FINGERS AWAY FROM THE BLADE.

MAKING THE CUT

1. Push down on the trigger interlock button with your thumb
2. Pull out the arbor lock button.
3. Pull the trigger to allow saw movement.
 - ▶ The blade will not start to spin.
4. Pull the blade towards you, and down.
 - ▶ The blade should not be touching the workpiece.
5. Press the trigger interlock with your thumb to start the blade.
 - ▶ Allow the blade to reach full speed.
6. Pull the blade all the way down into the work.
7. Cut by pushing the blade away from your body, until it reaches the stop.
8. Let go of the trigger to stop the blade.
9. After the blade comes to a complete stop, raise the blade to the upright position.

LEAVE THE BLADE DOWN IN THE MATERIAL UNTIL IT STOPS.



CLEANUP

1. Brush off the table and clean up the area.
2. Pull the saw arm down, and lock it in place.
3. Put scraps in the trash and reusable pieces in the storage bin in the wood shop.

PULL THE SAW ARM DOWN, AND LOCK IT IN PLACE WHEN FINISHED.