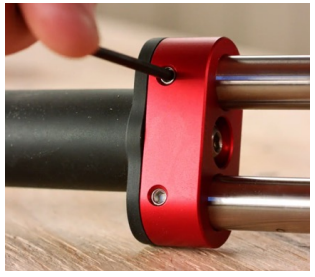
Malco® Metal Bender Instructions

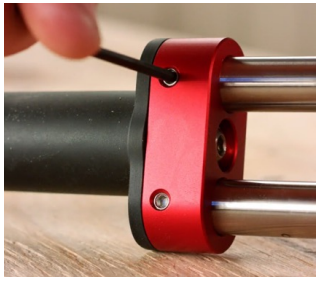
Thank you for purchasing a Metal Bender from Malco. Once you have unpackaged the tool and are ready to start working with your new bender, follow along with the instructions below to get started.



1. Loosen the set screw retaining shaft for the straight (non-angled) roller:

2. Loosen the thumb screw

3. Insert material between rollers and rotate the shaft with 3 dots until the rollers on both shafts rotate when the material moves through the rollers.



4. Tighten set screw.

5. Slide bearing carrier to the correct bend depth and tighten thumbscrew when set.

You're ready to start bending!

How to Bend Material

Material can be bent up or down. If possible, we recommend orienting the material so that the inner corner of the bend you intend to create is on the side of the material the user can see, at least for the first few bends.

1. Once the bend depth is set, roll the bender on to the material, ideally from an end. Be careful to position the bender so that the angled roller is on the side of the material that you want the material to bend to.

2. Glide the bender along the edge of the material, raising the handle slightly in the direction of the bend to initiate a bend line. The initial crease formed at this point is critical to set the course for the bender to follow.

3. Continue moving the bender back and forth while pressing in the direction of the bend until the desired bend angle is reached.

a. Pro Tip: Applying pressure in one direction only can help when trying to make more accurate bends. As you become more comfortable applying pressure to the tool the entire time you are making the bend, this will aid in making faster bends.

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Bender Accessories

The accessories we offer for our benders are made with trade pros in mind. Functional and easy to use, we recommend adding these to your toolbox if you don't have them already.

FSC1: Bender Connector

The Bender Connector allows pros to use our benders as modular assemblies. These connectors are used to connect any combination of 1 station benders (both the wide and the narrow benders).

Setup:

When using the connector with narrow benders, the tool may be assembled as shipped without additional steps. If the connector is used with a wide bender, you will need to remove one of the center supports bearing assemblies.

Assembly:

1. Once the connector has been removed from its packaging, locate the fasteners and position the connector over the holes for the bender.
2. Place the fasteners and begin to loosely assemble.
3. Once the connector and benders are loosely assembled, tighten all of the fasteners.
4. Once your modular tools are connected, refer to bender setup and get to work.

FSH2: Handle

The handle for the bender allows the user to add additional leverage to the bender, or provide a more comfortable location for your second hand.

Before attaching the handle, set up the bender so it is ready to bend the first piece.

1. Loosen the handle by holding the barrel fastener against the machined bracket.
2. Slide the handle assembly on to the shaft in an area that allows for comfortable hand placement while still allowing clearance.
3. Tighten the handle in place and get to work.

FSLR: Large Radius Accessory

The Large Radius roller is an optional replacement 2mm roller available for users wanting a softer bend often needed for material such as copper, zinc, and even some painted materials when the finish is temperamental.

1. Remove the fastener retaining the original 0.7mm roller and remove the roller. We recommend you store the original roller in a place where you may use it in the future for jobs requiring a smaller radius.
2. Install the 2mm radius roller then reinstall the fastener that retains the angled roller.
3. Navigate to the instructions for bender setup and complete the process to ensure the thickness adjustment required for the job you are on has been set.