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MITER CUTTING JIG & VISE

No. 400-093

CUTTING SHEET STOCK

1. Make a mark on your sheet where it will be cut, using a scribe or fine-point marker.
2. Loosen the 2 knurled nuts at the top of the miter jig. For cutting 90° angles, slide both of the upper sections of the jig upward and insert your material into the opening. For 45° angles, slide only the uppermost section upwards.
3. Position your material with the cut mark lined up with the face of the jig and tighten both of the knurled nuts to lock the material in place. The  key can be used as a guide when cutting square or rectangular shapes to ensure that all sides are square. Push the straight edge of your material against the  key and align your cut mark with the face of the jig.
4. Once your material is positioned properly, tighten the knurled nuts to lock the material in place.
5. To cut the material, simply use the machined face of the jig as a guide for your sawblade. Rest the side of the blade against the jig's face and saw straight down, taking care to keep the blade vertical.

CUTTING WIRE & TUBING

Cutting wire and tubing is the same as cutting sheet stock. To make it easier to secure your material in the jig, there are several  grooves machined into the clamping surface. To cut your wire/tubing, place it in one of the  grooves, tighten the knurled nuts, and saw straight down, along the face of the jig.


FILING WITH YOUR MITER JIG

After cutting your material with a jeweler's saw, you can further refine the cut edge by using your miter jig as a filing guide. Simply place the face of your file along the face of the jig and file your material until it is flush with the jig's surface.

NOTE: Do not use high quality files with this jig as they may become damaged with prolonged use.

USING THE ADJUSTABLE MATERIAL STOP

When cutting multiple pieces of material to the same length, the included material stop (a silver wire with 90° bend) will save you time and ensure accurate results.

1. Using the included hex wrench, loosen one of the screws on the sides of the miter jig. For cutting sheet stock, loosen the screw closer to the  key. For cutting wire, loosen the screw on the opposite side of the jig.
2. Insert the long end of the material stop into the round hole closer to the set screw.
3. Position the material stop at the desired distance from the face of the jig and tighten the set screw.

CAUTION: *Machined edges are very sharp. Use caution when inserting material into the jig. Eye protection is recommended during sawing and filing.*