



Steel Tube & Pipe Notcher

TTC

**Before Operating Your Tools,
Please Read This Instruction Carefully**



**ITEM NO.61-251-160
MODEL NO . #T10**

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Specifications

Tubing Capacity:	2" TUBING
Spindle:	1/2"
Hole Saw Arbors:	1/2" & 5/8"

IMPORTANT SAFETY PRECAUTIONS

WARNING: When using electric tools, machines or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. Note that you will be using a powered drill with this tool, and all safety precautions in the owner's manual for the drill should additionally be followed.

1. Keep Work Area Clean.

Cluttered areas invite injuries.

2. Consider Work Area Conditions.

Don't use tool in damp, wet, or poorly lit locations. Don't expose to rain. Keep work area well lit.

3. Keep Children Away.

All children should be kept away from the work area.

4. Store Idle Equipment.

When not in use, tool should be locked up in a dry location to inhibit rust. Store in an area out of reach of children.

5. Don't Force The Tool.

It will do the job better and more safely at the rate for which it was intended.

6. Use The Right Tool.

Don't force a small tool or attachment to do the work of a larger industrial tool. Don't use a tool for a purpose for which it was not intended.

7. Dress Properly.

Don't wear loose clothing or jewelry. They can be caught in moving parts. Protective, electrically non-conductive gloves and non-skid footwear are recommended when working. Wear protective hair covering to contain long hair, preventing it from getting caught in machinery.

8. Use Eye And Ear Protection.

Use an ANSI approved full face mask or goggles. Wear a clean dust mask if the work creates a lot of fine or coarse dust. When operating for extended periods of time, use approved ear protection. Face masks, dust masks, safety goggles and ear protectors are available from distributor.

9. Secure Work.

Use clamps or a vise to hold the work if possible. It's safer than using your hands and it frees both hands to operate the tool.

10. Don't Overreach. Keep Proper

footing and balance at all times.

11. Maintain Tools With Care.

Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have them repaired by an authorized service facility. Keep handles dry, clean, and free from oil and grease.

12. Disconnect Power.

Unplug when not in use, before servicing, and when changing accessories.

13. Avoid Unintentional Starting.

Be sure the switch is in the OFF position when not in use and before plugging in.

14. Stay Alert.

Watch what you are doing, use common sense. Don't operate any tool when you are tired.

15. Check Damaged Parts.

Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function.

Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and other conditions that may affect its operation. Any part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in the instruction manual. Have defective switches replaced by an authorized service center. Don't use the tool if switch does not turn on and off properly.

16. Replacement Parts And Accessories.

When servicing, use only identical replacement parts. Only use accessories intended for use with this tool. Approved accessories are available from distributor.

17. Do Not Operate Tool If Under The Influence Of Alcohol Or Drugs.

Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate machine.

OPERATIONS

1. The spindle (7) is shipped in the reverse position. You will need to turn it around prior to using.
2. Your tubing notcher must be mounted to your drill press table using the mounting plate (16). You must purchase your own hardware.
3. After mounting, make sure that the spindle travels smoothly without binding against the bushings (5). Any undue friction will cause premature wear of the bushings. The angle of the notcher can be adjusted back and forth by loosening the bolt (10) that holds the mounting plate to the adjustment plate (15) and moving the assembly as necessary. For side-to-side adjustments, loosen the bolt (10) that holds the adjustment plate to the body (3).
4. When installing the hole saw, check first to see if its arbor is 1/2" or 5/8". The threads on the spindle are for 1/2" hole saws, however, there is an adapter (3) for 5/8" models that can be screwed on over the 1/2" threads. You may need to use the adapter washer (4) to ensure a good, secure fit.

NOTE:

This notcher is designed for use only with threaded, metal cutting holes saws.

5. DO NOT use locking pliers or clamps to hold the spindle when installing hole saws. Always fix the spindle with the locking pin (14). Slide the locking pin in through the hole on the side of the spindle support (6). NOTE: The locking pin is also for use when storing. WARNING: Make sure the pin is removed prior to engaging the drill!
6. Insert the tubing you wish to cut in the clamp assembly (1), underneath the inverted "V". The inverted "V" feature of the clamp will hold your tubing (up to 2") in place. Do not insert the tubing more than half way of its length. When engaging in severe angles, only insert the tubing far enough so that you can start the cut. Secure the tubing in position using the handle/clamp screw assembly (2).

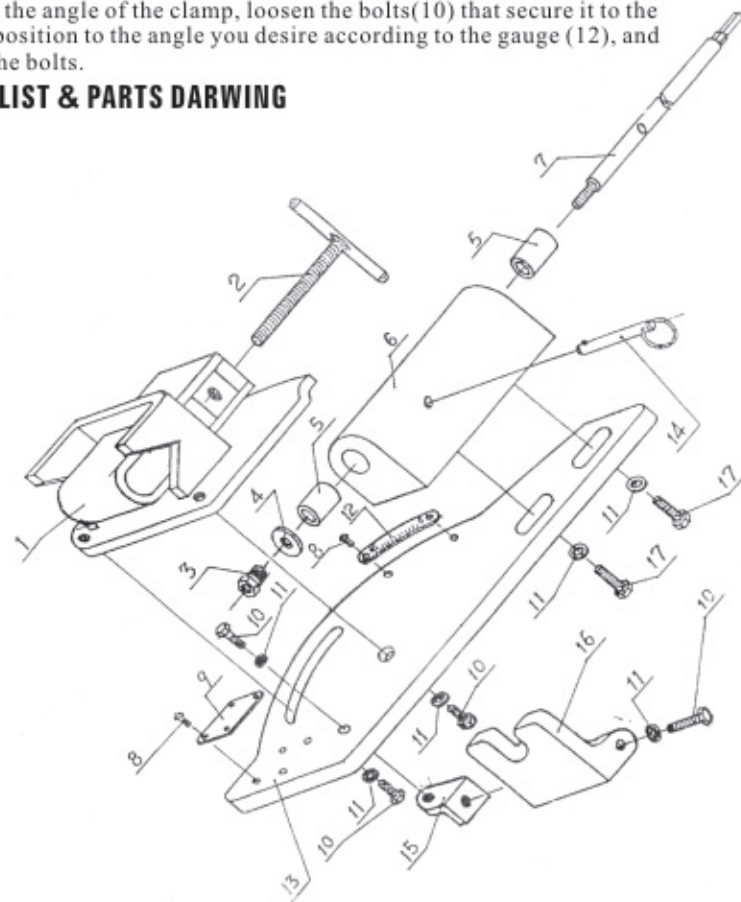
7. Set the RPM of your drill press to approximately 500 RPM. When cutting thin wall, molytubing, higher speeds will be required. NOTE: Practice on different types of scrap tubing and at different angles before working with valuable or important tubing.

8. As you work, lubricate both the hole saw and the bushings with cutting oil to extend service life.

When doing severe angle cuts with large diameter tubing, you will need to put the spindle support in its uppermost position in order to accommodate its size. However, you should always position the spindle support as low as possible to preserve accuracy. To move the spindle support, simply loosen the two bolts (17) that affix it to the body, reposition, and tighten the bolts.

9. To adjust the angle of the clamp, loosen the bolts (10) that secure it to the body, reposition to the angle you desire according to the gauge (12), and tighten the bolts.

PARTS LIST & PARTS DRAWING



NO.	QTY.	Description
10	4	Bolt
11	6	Washer
12	1	Angle Indicator
13	1	Body
14	1	Locking Pin
15	1	Adjustment plate
16	1	Mounting Plate
17	2	Bolt

NO.	QTY.	Description
1	1	Clamp Assembly
2	1	Handle/Clamp Screw
3	1	5/8" Hole Saw Adapter
4	1	5/8" Hole Saw Adapter Washer
5	2	Bushing
6	1	Spindle Support
7	1	Spindle
8	2	Rivet
9	2	Label