

MANUAL CIRCLE MAKING MACHINE

SAFETY INSTRUCTIONS

WARNING :

9. **Check for damage :** Before further use always check the protection guards carefully to ensure proper operation and performance. Check for alignment of moving parts, binding of moving parts, breakage of parts, mountings and any other condition that may effect the tools operation. An authorised service dealer should properly repair all damaged parts unless otherwise indicated elsewhere in the instruction manual. Do not use the tool if the switch does not turn it on and off.
10. **Pull out power plug :** When changing accessories or when the tool is not in use.
11. **Avoid unintentional starting :** Do not carry tools by the switch. Always check that the switch is in the off position before connecting to power source.
12. **Don't abuse power cable :** Never carry the tool by the power cable. Do not use the power cable to pull the plug out of the power point. The cable should also be protected from heat, oil and sharp objects.
13. **Storage :** When not in use your power tools should be stored in a dry area, which is not accessible to children.
14. **Stay alert :** Do not use the tool when you are tired. Use common sense and watch what you are doing.
15. **Remove keys and spanners :** Do not forget to remove any adjustment keys, spanners and wrenches before switching on the tool.
16. **Voltage warning :** Before connecting the tool to the power source ensure the voltage specified on the nameplate is the same as the voltage supply. A power source with voltage greater than specified on the tool can cause serious injury and damage to the tool. Using a power source with voltage less than the tool rating can cause damage to the motor. Do not plug in tool if you are in doubt.
17. **Recommended use :** Please note the use of tools other than those described in instruction manuals or in the product catalogues can result in a risk of personal injury.

3 WAY 180° PIPE BENDER



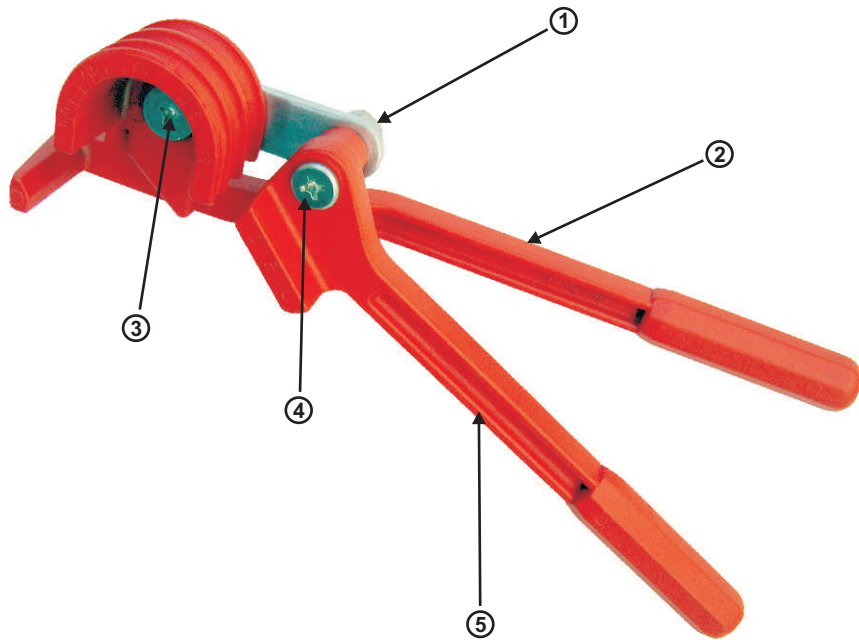
User's Instruction Manual Model : P-193

Note : Before using this **3 Way 180° Pipe Bender** carefully read through this INSTRUCTIONS MANUAL to ensure efficient, safe operation. It is recommended that these INSTRUCTIONS be kept readily available as an important reference when using this 3 Way 180° Pipe Bender .

Features : 3 way 180° pipe bender is designed for Copper, Aluminium and conduit pipe upto 180° . It is suitable for thin wall for three sizes 6-8-10mm in one die to avoid carrying 3 die bending.

Specification

Prod. No.	193A
Size (Inch.)	1/4 - 5/16 - 3/8
Size (mm)	6 - 8 - 10
Wt. (Kgs.)	0.375




PART DIAGRAM AND LIST

Part #	Parts Desc.	Part #	Parts Desc.
1.	Locking Nut for Lever	2.	Bending Die Lever
3.	Screw Bending Die	4.	Screw for Lever
5.	Bending Lever		

WARNINGS

- Step 1:** Don't use the bender more than its capacity.
- Step 2:** If pipe is over size, it cracks the Die Roller or pipe may be kniked.
- Step 3:** Use new bending quality material to avoid old and rusty.
- Step 4:** Use apply to copper pipe and similar pipes.
- Step 5:** Using hands can be dangerous always take care and keep away from children. Wear protective eye - wear in work area at all times. Select correct type and size of hand tools for work.
- Step 6:** Always trained technician should check or replace the seal if required.

SAFETY INSTRUCTIONS

WARNING : When using  tools, the following safety instructions must be observed to reduce the risk of personal injury and property damage.

Please read and observe the following instructions before use.

1. **Keep work area clean :** An untidy and cluttered work area increases the risk of accidents
2. **Use eye protection :** Always use safety glasses or goggles. A face mask should also be worn when dust is generated.
3. **Wear suitable work clothes :** Don't wear loose fitting clothes or jewellery. They can be caught in moving parts and may cause injury. For outdoor work rubber gloves and non-stick footwear are advised. Wear a protective hair net to contain long hair.
4. **Guard against electric shock :** Avoid any body contact with grounded surfaces e.g. bars, radiators, stoves, and refrigerator enclosures.
5. **Keep children away :** Children should be kept away from the work area. Do not permit them to handle the tool or tool cable.
6. **Secure the work pieces :** Use clamps or a vice to hold work. This will free up both hands to operate the tool, which is safer.
7. **Don't overreach when working :** Keep a balanced footing at all times. Avoid abnormal stances and awkward body positioning.
8. **Do not overload or force tools :** Tools operate better in the specified performance ranges. Forcing the tool may cause motor damage.