

Universal Conduit Bender 16mm, 20mm, 25mm and 32mm

Universal Conduit Bender	
PART NO.	SIZE
WMI-UCB	Universal Conduit Bender 16mm, 20mm, 25mm & 32mm

▶ A unlimited creative bending machine

▶ Massive time savings

▶ Material savings

▶ With Pipe Vice Jaws

▶ Sturdy and portable

▶ With 16/20/25/32mm Formers

▶ Complex multiple bends achieved easily

(Note: The callout boxes contain images showing the bender being used to create various complex bends in conduit.)

FIELD BENDER

Capacity: 16, 20, 25 & 32mm steel conduit to BS4368 & IEC 614-2-1

The Field Bender is mixed with the fruitful experience and unlimited creativity in the tube bending technology. With the continuous advancement, it increases accuracy, speed of use and reduction of tube wastage.

The Field Bender is sturdy and portable and comes equipped with a dual-size former to handle 16mm, 20mm, 25mm and 32mm conduit. Bends of different degrees within 90 are easily achieved every time by easily and quickly adjusting the former.

Complex multiple bends are also quickly, without the need for time-consuming checking and offering-up, by following the guide lines supplied.

SPARE PARTS (Refer to Page 6)		
Item	Description	Part No.
1	Bending Lever <i>Carbon steel</i>	100
2	Extension Tube <i>Carbon steel</i>	101
3	Former 20 mm <i>Aluminium alloy casting</i>	102 000 001
4	Former 25 mm <i>Aluminium alloy casting</i>	102 000 002
5	Former 32 mm <i>Aluminium alloy casting</i>	102 000 003
6	Pipe Vice Jaws <i>Cast steel & carbon steel</i>	104
7	Stop Bar <i>Cast steel & aluminium alloy casting</i>	105
8	Tube Stop <i>Carbon steel</i>	106
9	Terry Retaining Pins <i>Carbon steel</i>	107
10	Roller Pin <i>Carbon steel</i>	108
11	Grooved Roller <i>Carbon steel</i>	109
12	Centre Pin <i>Carbon steel</i>	110

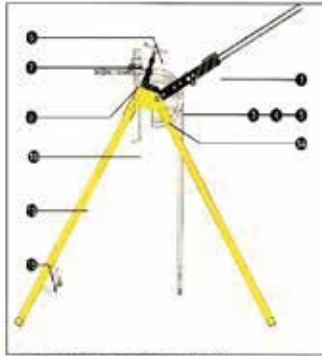


Figure 1: Side elevation of Field Bender

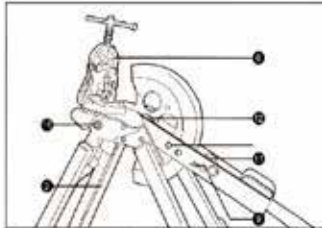


Figure 2: 3D (Dimension) of Field Bender

PARTS DESCRIPTION (Refer to Page 6)			
1	Bending Lever	1	Terry Retaining Pin
2	Extension Tube	2	Roller Pin
3	Former 20 mm	3	Grooved Roller
4	Former 25 mm	4	Centre Pin
5	Former 32 mm	5	Support
6	Pipe Vice Jaws	6	Main Body
7	Stop Bar	7	Former Holder
8	Tube Stop	8	Lip Bolt, washers, spacers

Working Instructions

NOTE : This machine is designed to bend steel conduit, and must not be used to bend other materials without prior approval of the manufacturers.

Refer to Figure 1, 2 & 3 to identify the parts.

1 Unpack the carton. Check that the formers supplied correspond with those marked on the box.

NOTE : The machine is supplied with a grooved roller for bending steel conduit. Plain rollers and guides and short-radius pot floor benders are supplied only when specially ordered.

2 Remove the leg retaining pin A, and open the stand to its fullest extent. Reinsert the pin to lock the leg in position.

3 The pipe vice is secured under its platform for transit, remove it and bolt it in position.

NOTE : The pipe vice is designed for cutting off and screwing only; it should not be used for setting.

4 Remove the bending lever retaining pin B. Fit the grooved roller and pin in the appropriate position on the bending lever (Figure 4).

5 Select the appropriate size of former, withdraw the centre pin C, insert the former and replace the centre pin.

6 Raise the bending lever to the upright position and lock it by reinserting the retaining pin in the lower of the two holes.

7 Swing the stop bar D to the upright position and insert the stop E in the appropriate hole (Figure 4). The machine is now ready.

8 For packing and transport, locate the bending arm between the front legs and secure with the pin. Fold the machine flat, and lock with the retaining pin. The machine may now be carried by the carrying handle.

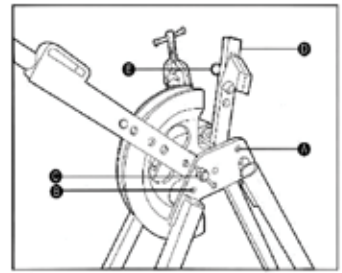


Figure 3



Figure 4



Figure 5

Bending steel conduit

1 Pass the tube through the gap between the stop bar and the former, and bed it into the grooves (Figure 5).

2 Check that the free end of the tube will not touch the ground before the bend is complete. The maximum lengths are 1100mm.

3 Withdraw the bending lever retaining pin and pull the bending lever down until the bend is complete (Figure 6).

4 If the free end is too long to enable you to complete the bend, remove the tube. Release the bending lever, and swing it and the stop bar downwards.

Load the tube as in step 1 and pull the bending lever upwards until the bend is complete. (Figure 7)

NOTE : When you use the machine in this way, you should steady it by placing your foot on the front leg cross member.

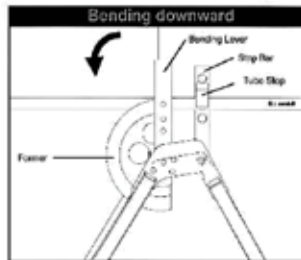


Figure 6

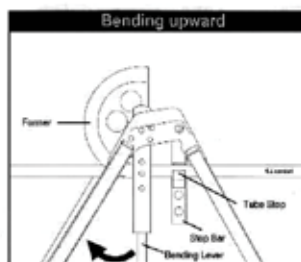


Figure 7

SPARE PARTS

① FORMER 20mm ELEVATION SECTION
 ② FORMER 25mm ELEVATION SECTION
 ③ FORMER 32mm ELEVATION SECTION
 ④ PIPE VICE JAWS
 ⑤ STOP BAR
 ⑥ BENDING LEVER
 ⑦ ROLLER PIN
 ⑧ TERRY RETAINING PINS
 ⑨ GROOVED ROLLER
 ⑩ EXTENSION TUBE



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