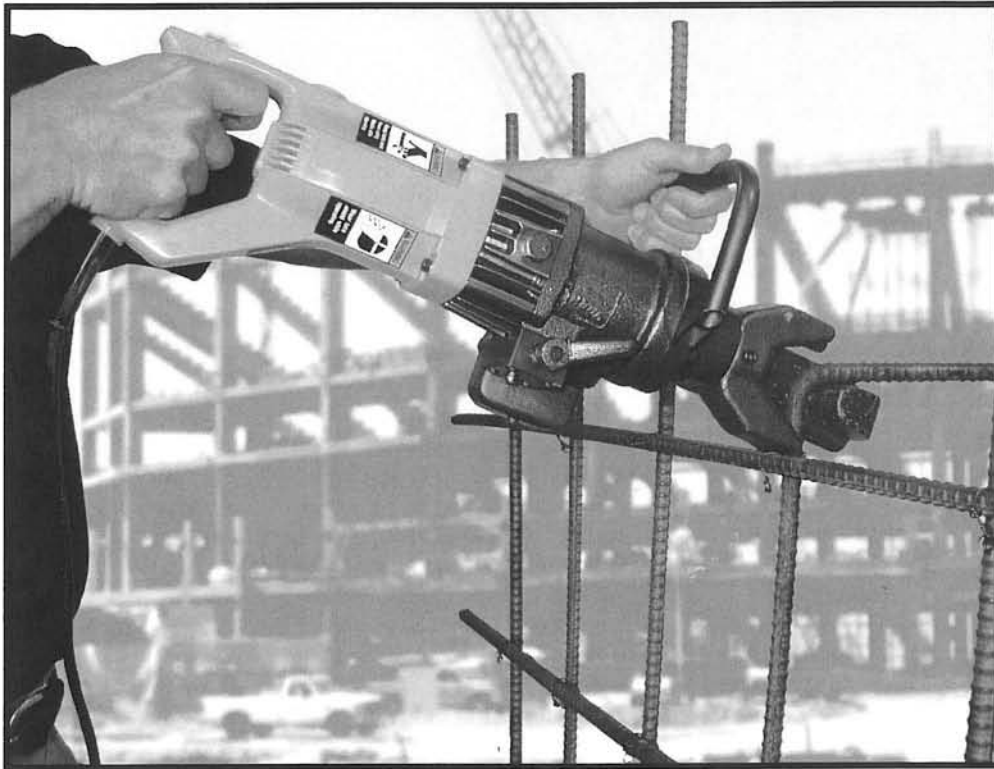


DIAMOND®

HB-16W Hand Bender Handling Instructions

Prior to use, please read these instructions carefully.

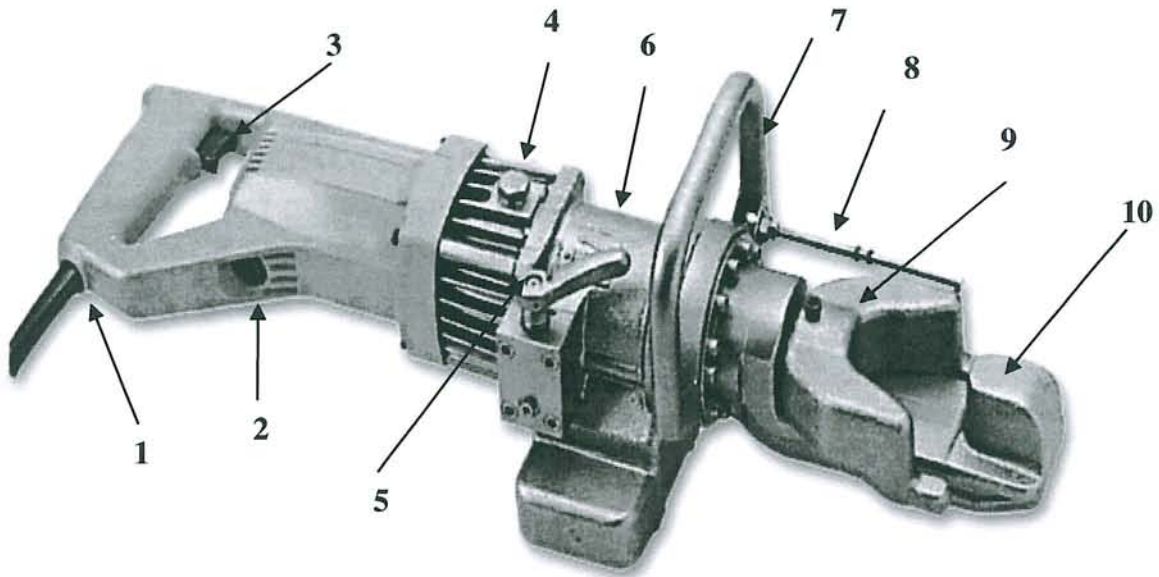


Important: To reduce the rebar from breaking; bend the rebar in increments by throttling the on/off trigger switch. Bending rebar in smaller stages allows for stress relief in the metal, reducing breakage.



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- | | |
|---------------------|-------------------------|
| 1. Electric cord | 6. Hydraulic cylinder |
| 2. Electrical brush | 7. Carrying handle |
| 3. On/Off switch | 8. Bending angle marker |
| 4. Oil plug | 9. Pivot shoe |
| 5. Valve lever | 10. Housing |

SAFETY PRECAUTIONS

1. **Keep hands away from pivot shoe while operating.**
2. Disconnect tool from socket when not in use and before servicing.
3. Maximum number of bar that can be bent at one time: Grade 60 or equivalents.

**Do not exceed the maximum number of bars that can be bent at one time.

Diameter of bar	3/8" (10mm)	1/2" (13mm)	5/8" (16mm)
Number of bar	3 pieces	2 pieces	1 piece

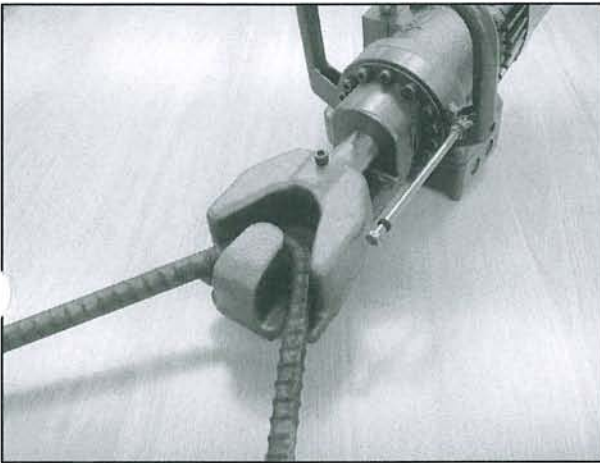
**Do not try to bend materials that exceed the maximum diameter of bar, or it will cause either the motor to burn out or a machine failure.

4. The machine will only operate on the voltage for which it is designed (with a tolerance of 10%). 115 Volt, 50/60 Hz, 10 amps, 1050 watts
5. To avoid electrical shock, do not handle with wet hands or use in a damp place.

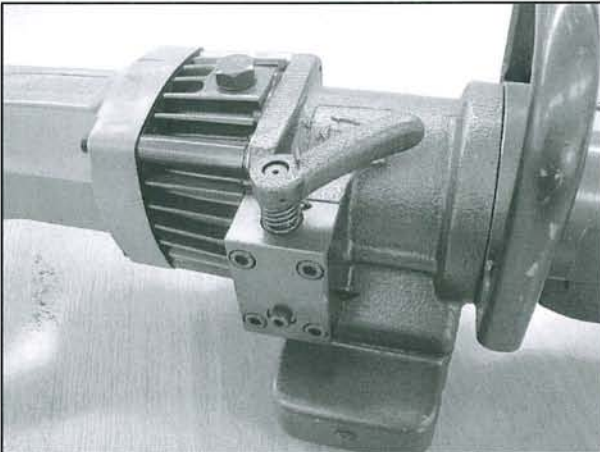
TO OPERATE HB-16W REBAR BENDER



1. Insert rebar(s) in between the pivot shoe and housing so that the rebar is at right angles to the pivot shoe/housing.



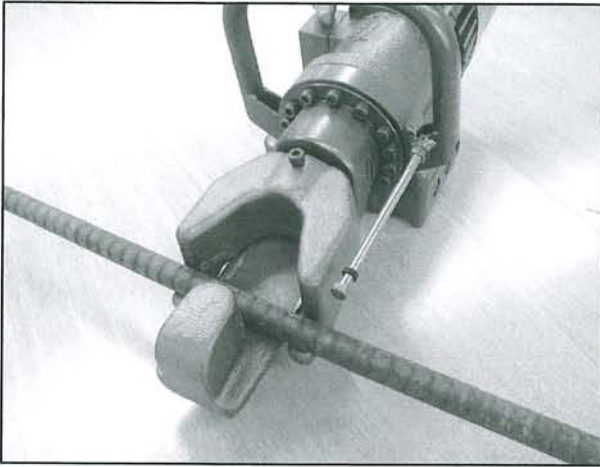
Throttle the on/off switch until the rebar has reached your required angle.



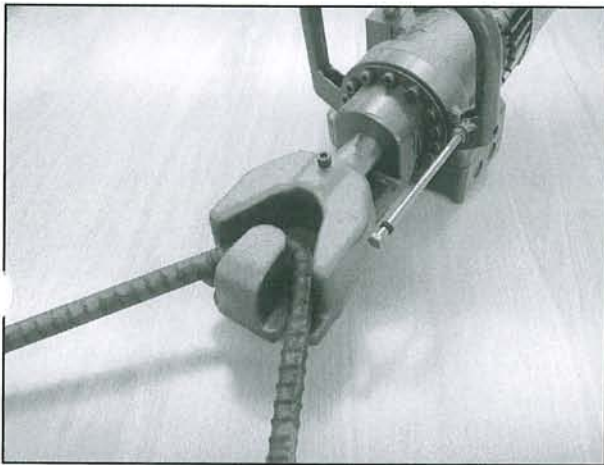
2. After the bend, release the on/off switch and turn the valve lever to the open position to return the piston to the starting position.

The piston will not return automatically when the on/off switch is released.

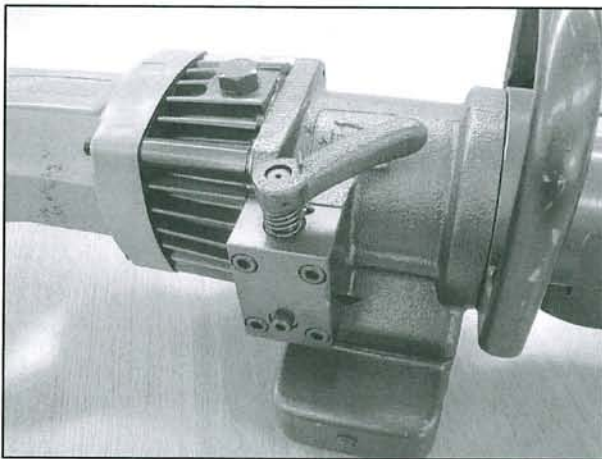
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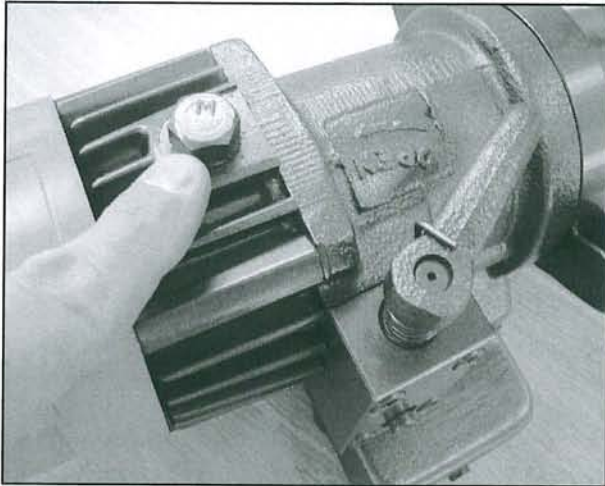


2. After the bend, release the on/off switch and turn the valve lever to the open position to return the piston to the starting position.

The piston will not return automatically when the on/off switch is released.

HB-16W REBAR BENDER MAINTENANCE

1. **OIL CHECK:** The HB-16W is hydraulically operated. It is therefore necessary to check the oil level at frequent intervals, preferably every day (If oil level is too low, power will drop and the piston will not move properly).



- (a) Extend the piston to the fullest extent of its stroke.
- (b) Remove oil plug bolt. Only remove the plug when the unit is cool (if it is hot, oil may spurt out suddenly).
- (c) The pump case should be full to the brim. If the level is low, top up with Texaco Rando HD 68 hydraulic oil or equivalents. This is a 20-weight hydraulic oil with anti-foam and anti-abrasion properties. Don not use any other oil.

(d) It is imperative that there be no air in the system. After topping up, gently tilt the unit and return the tool to the level position. Top up again and tilt in the opposite direction. Repeat this process until all air has been extracted. (This is a rather lengthy process. But, it is essential to proper functioning on the unit.)

2. **OPERATING TEMPERATURE:** Do not allow the unit to overheat. If the oil temperature exceeds 70 degrees Centigrade or 158 degrees Fahrenheit, the piston speed will fall and the unit should be allowed to cool down before being used again.