

EMTOP

IMPACT DRILL

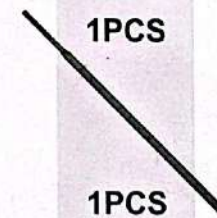


650W
No-Load speed
0-3000min⁻¹

1PCS



1PCS



1PCS

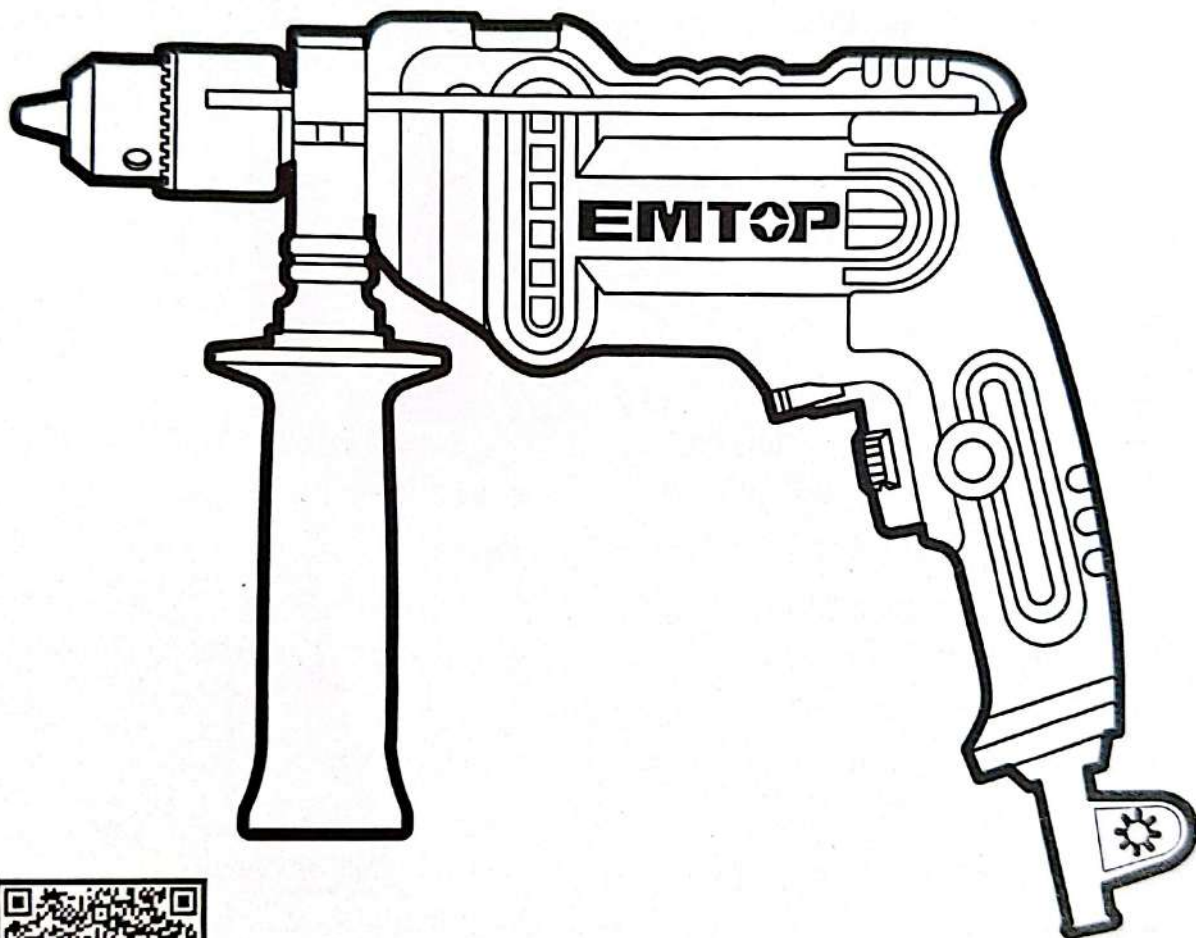


**TOP
VALUE**





IMPACT DRILL

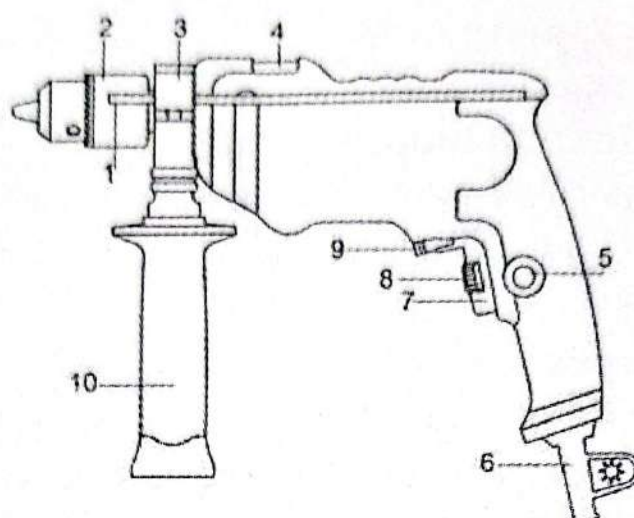


EMD15651 ULMD15651
EMD15651xy ULMD15651xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)



PRODUCT
MANUAL

SPECIFICATIONS



- | | |
|--|------------------------------------|
| 1. Depth gauge | 6. Cable sleeve |
| 2. Chuck | 7. On/Off switch |
| 3. Locking screw for depth gauge | 8. Variable speed control |
| 4. Drill/Impact action selector switch | 9. Forward/reverse selector switch |
| 5. Switch lock button | 10. Auxiliary handle |

Accessories

- | | |
|--------------------------|---------------------|
| 1. 1Pcs auxiliary handle | 2. 1Pcs depth gauge |
| 3. 1Pcs chuck key | |

Technical specifications

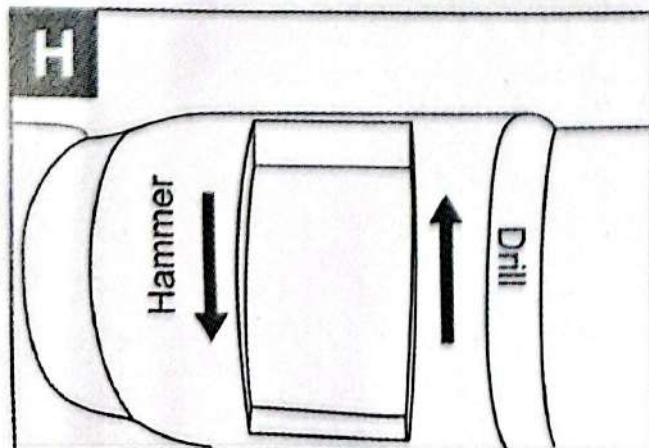
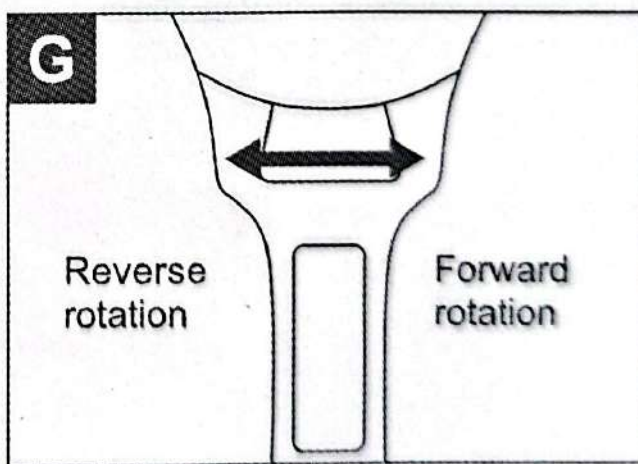
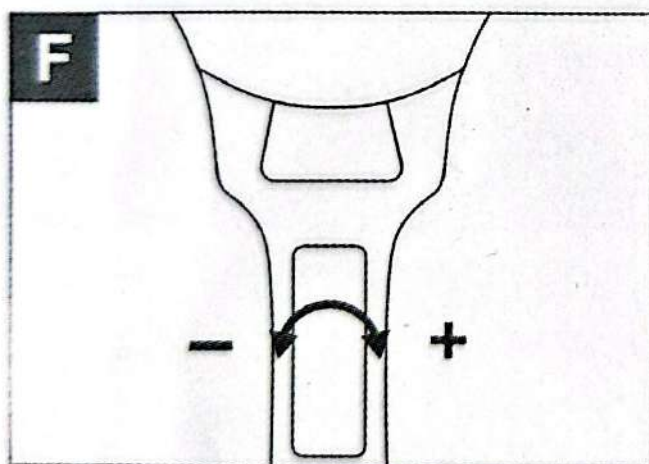
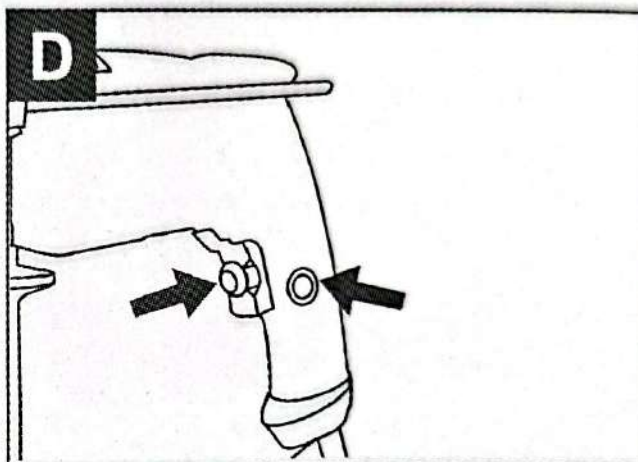
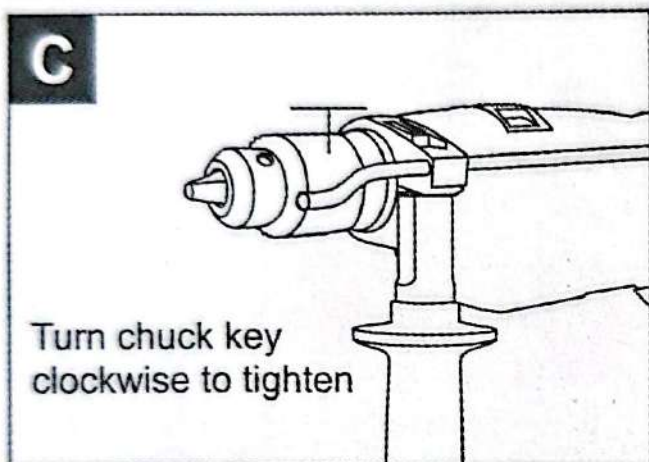
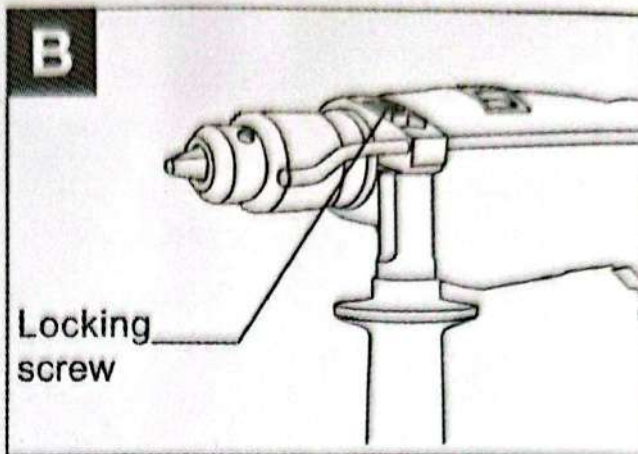
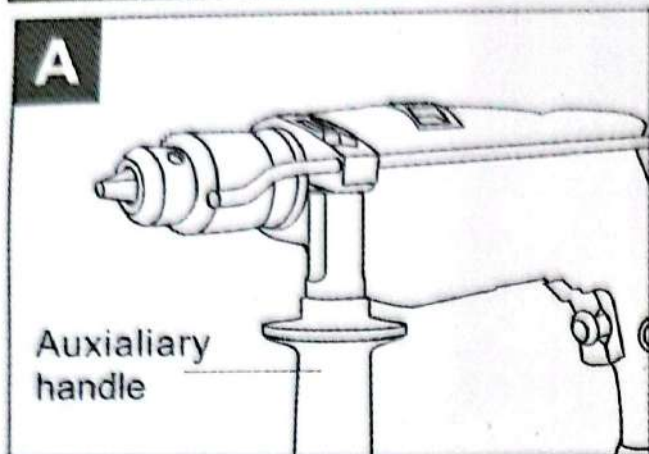
Model No.	EMD15651 EMD15651xy	ULMD15651 ULMD15651xy
Rated input power	650W	650W
Rated voltage	220-240V~50/60Hz	110-120V~50/60Hz
No-load speed	0-3000/min	0-3000/min
Impact rate	0-57000/min	0-57000/min
Max drilling capacity		
On steel	10mm	3/8"
On wood	22mm	7/8"
On cement	13mm	1/2 "
Double insulation	☐	☐

Model No. Note:

x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M,D); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M,D)

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.

OPERATION PICTURE



OPERATION

⚠ WARNING!

Before using your drill be sure to read the instruction manual carefully.

Installing the auxiliary handle (see Figure A)

For your personal safety we recommend using the auxiliary handle at all times. To fit the handle, loosen the locking screw for handle collar anti-clockwise. Slide clamping loop over the handle collar. Rotate the handle around the handle collar until the handle is in the desired position. Tighten the locking screw clockwise to secure the handle. If you are right handed fit the handle as shown in Dia2. If you are left hand-ed fit the handle the other way round.

Installing the depth gauge (see Figure B)

The depth gauge can be used to set a constant depth to drill. To use the depth gauge, loosen the locking screw for gauge by rotating the auxiliary handle anti-clockwise. Insert the depth gauge through hole in handle. Slide the depth gauge to required depth and tighten the locking screw by rotating the locking screw clockwise.

Inserting a tool into chuck (see Figure C)

Remove chuck key from key storage tab at base of drill handle, place key into chuck, turn key anti-clockwise to undo/loosen chuck, inset drill/tool and firmly tighten chuck by turning key clockwise. Remove key and replace in

⚠ WARNING!

Before installing tool, remove mains plug from mains supply.
storage tab at base of drill handle. Operating the On/Off switch
(see Figure D)

Press the on/off switch in for operation, release switch to stop. If you wish to use the drill continuously the switch lock button can be pushed in after the on/off switch has been depressed. To release the lock button simply depress on/off switch fully, the button will auto- matically release.

Variable speed control se- lector (see Figure E)

The maximum speed can be altered by turning the variable speed control. Turn clockwise to increase and anti-clock- wise to decrease speed. The speed of the drill varies with the amount of pressure applied to the on/off switch, i.e. more pressure for higher speed.

Changing rotational direc- tion (see Figure F)

To change the rotational direction, push the forward/reverse selector switch to the "R" position indicated on your drill. The rotation will now be forward rotation. Push

the forward/ reverse selector switch to "L" position indicated on your drill. The rotation will be reverse rotation.

NOTE: Never move the forward/reverse switch whilst the drill is in operation or the on/off switch is locked as this will

Drill/Impact action switch (see Figure G)

When drilling masonry and concrete push the drill/impact action selector switch into the hammer position "  ". When drilling wood, metal, plastic push the switch into the drill position "  ".

Working hints for your drill

Drilling masonry and concrete Select the drill/impact action selector switch to the "hammer symbol" position. Tungsten carbide drill bits should always be used for drilling masonry, concrete etc with a high speed.

Drilling steel Select the drill/impact action selector switch to the "drill symbol" position. HSS drill bits should always be used for drilling steel with a lower speed.

Screw driving Select the drill/impact action selector switch to the "drill symbol" position. Use a low speed to drive in or remove screws.

Pilot holes When drilling a large hole in tough material (i.e. steel), we recommend drilling a small pilot hole first before using a large drill bit.

Drilling tiles Select the drill/impact action selector switch to the "drill symbol" position to drill the tile. When tile has been penetrated, switch over to "hammer symbol" position.

Cool the motor If your power tool becomes too hot, set the speed to maximum and run no load for 2-3 minutes to cool the motor.

MAINTENANCE&MALFUNCTIONS

Possible malfunctions and methods of their eliminations

Malfunction	Probable causes	Actions
When the machine is turned on, the electric motor does not work.	• Switch failure • The power cord or wiring is broken, power cord plug malfunction; • No brush contact with the collector; • Wear/damage of brushes	Disconnect the machine from the mains and contact a qualified specialist.
Formation of a circular fire on the collector	• Brush wear/damage of the brush holder; • Malfunction in the armature coil	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
When working, smoke or the smell of burning insulation appears from the ventilation openings.	• Malfunction in the electric motor coil; • Malfunction of the electrical part of the tool.	
Increased noise in the gearbox	• Wear/breakage of gears or bearings	
When the machine is turned on, the spindle does not rotate	• Gearbox failure.	

Critical state criteria

Critical state criteria	Probable causes	Actions
Cracks on the surfaces of bearing and housing parts	Fatigue deformation of metal	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
The power cord or plug is damaged	Overload or breakage	
Excessive wear or damage to the motor or reductor mechanism, or a combination of signs	Fatigue deformation of metal	

Critical state criteria

List of critical failures	Actions
Electric motor sparking	It is necessary to contact a qualified specialist
The appearance of extraneous noise	It is necessary to contact a qualified specialist
If the above malfunctions are detected, it is necessary to disconnect the machine from the mains and contact a qualified specialist	