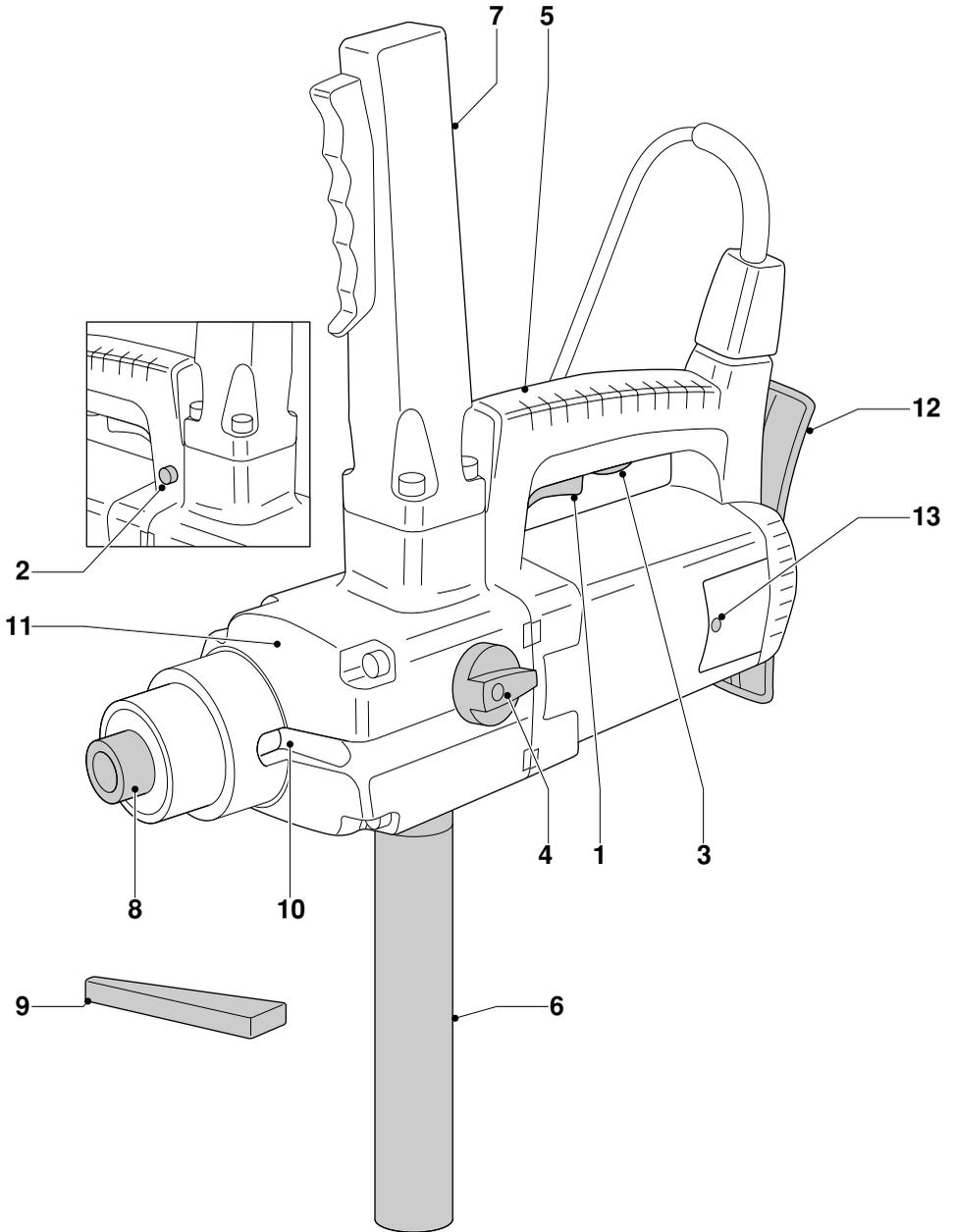
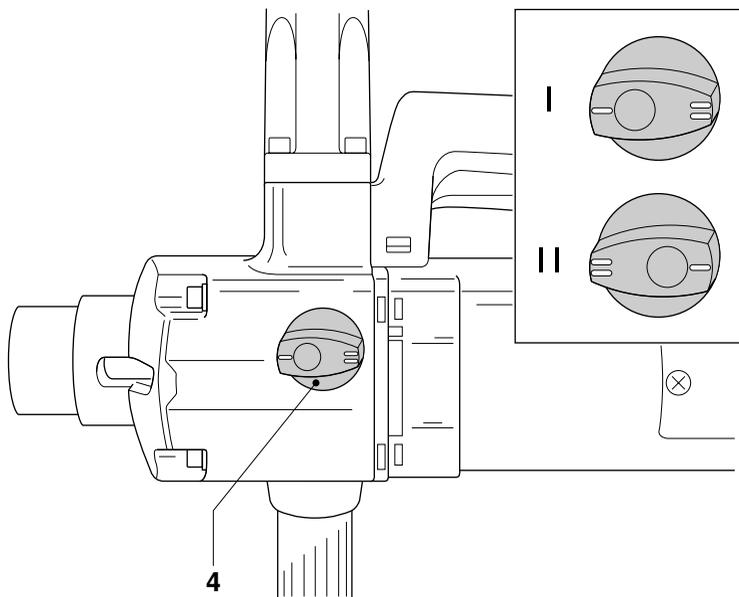
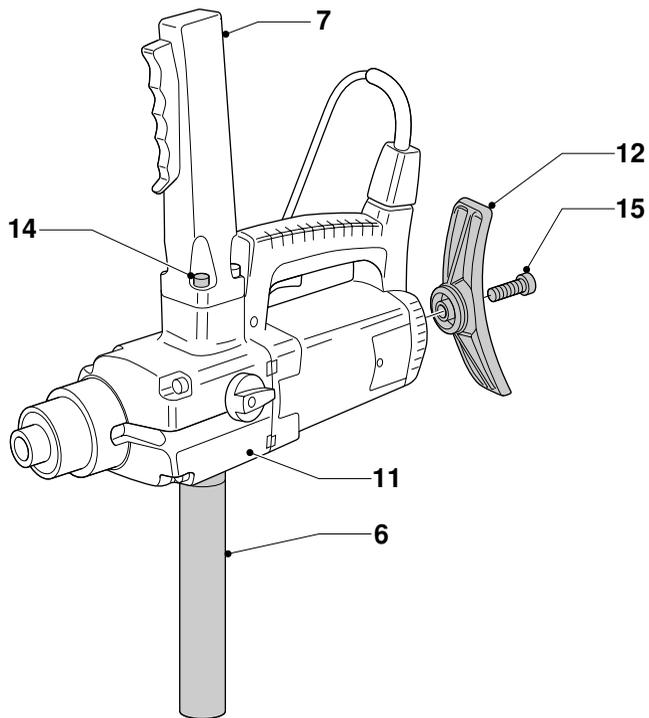
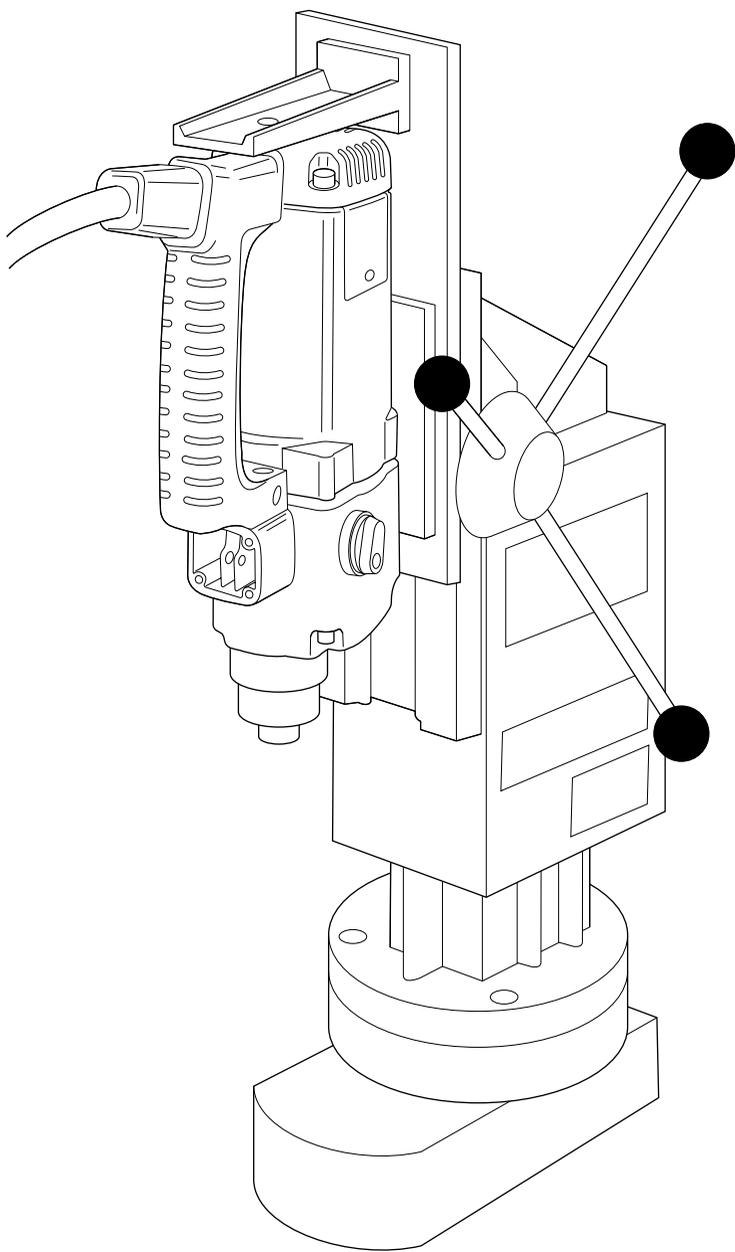


**DEWALT®**

**DW152**  
**DW153**







# HEAVY DUTY DRILL DW152/DW153

## Congratulations!

You have chosen a DeWALT Power Tool. Years of experience, thorough product development and innovation make DeWALT one of the most reliable partners for professional Power Tool users.

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## Technical data

		DW152	DW153
Voltage	V	230	230
(U.K. & Ireland only)	V	230/115	230/115
Power input	W	1,050	1,050
No load speed			
1st gear	min <sup>-1</sup>	400	165
2nd gear	min <sup>-1</sup>	800	330
Load speed			
1st gear	min <sup>-1</sup>	280	110
2nd gear	min <sup>-1</sup>	560	220
Maximum drilling diameter in steel	mm	23	32
Collar diameter	mm	53	57
		(Euronorm)	(Euronorm)
Tool holder		morse cone 2	morse cone 3
Weight	kg	7.5	7.9

### Fuses:

Europe	230 V tools	10 Amperes, mains
U.K. & Ireland	230 V tools	13 Amperes, in plugs

The following symbols are used throughout this manual:



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.



Denotes risk of electric shock.



Fire hazard.

## EC-Declaration of conformity



### DW152/DW153

DeWALT declares that these Power Tools have been designed in compliance with: 89/392/EEC, 89/336/EEC, 73/23/EEC, EN 50144, EN 55104 / EN 55014-2, EN 55014, EN 61000-3-2 & EN 61000-3-3.

For more information, please contact DeWALT at the address below, or refer to the back of the manual.

Level of sound pressure according to 86/188/EEC & 89/392/EEC, measured according to EN 50144:

		DW152	DW153
$L_{pA}$	(sound pressure) dB(A)*	88.5	88.5
$L_{WA}$	(acoustic power) dB(A)	93.5	93.5

\* at the operator's ear



Take appropriate measures for the protection of hearing if the sound pressure of 85 dB(A) is exceeded.

Weighted root mean square acceleration value according to EN 50144:

	DW152	DW153
	< 2.5 m/s <sup>2</sup>	< 2.5 m/s <sup>2</sup>

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## Safety instructions

**When using Power Tools, always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock and personal injury. Read the following safety instructions before attempting to operate this product. Keep these instructions in a safe place!**

### General

#### 1 Keep work area clean

Cluttered areas and benches can cause accidents.

#### 2 Consider work area environment

Do not expose Power Tools to humidity.  
Keep work area well lit. Do not use Power Tools in the presence of flammable liquids or gases.

#### 3 Guard against electric shock

Prevent body contact with earthed surfaces (e.g. pipes, radiators, cookers and refrigerators).  
For use under extreme conditions (e.g. high humidity, when metal swarf is being produced, etc.) electric safety can be improved by inserting an isolating transformer or a (FI) earth-leakage circuit-breaker.

#### 4 Keep children away

Do not let children come into contact with the tool or extension cord. Supervision is required for those under 16 years of age.

#### 5 Extension cords for outdoor use

When the tool is used outdoors, always use extension cords intended for outdoor use and marked accordingly.

#### 6 Store idle tools

When not in use, Power Tools must be stored in a dry place and locked up securely, out of reach of children.

#### 7 Dress properly

Do not wear loose clothing or jewellery.

They can be caught in moving parts. Preferably wear rubber gloves and non-slip footwear when working outdoors. Wear protective hair covering to keep long hair out of the way.

#### 8 Wear safety goggles

Also use a face or dust mask in case the operations produce dust or flying particles.

#### 9 Beware of maximum sound pressure

Take appropriate measures for the protection of hearing if the sound pressure of 85 dB(A) is exceeded.

#### 10 Secure workpiece

Use clamps or a vice to hold the workpiece. It is safer and it frees both hands to operate the tool.

#### 11 Do not overreach

Keep proper footing and balance at all times.

#### 12 Avoid unintentional starting

Do not carry the plugged-in tool with a finger on the switch. Be sure that the switch is released when plugging in.

#### 13 Stay alert

Watch what you are doing. Use common sense.  
Do not operate the tool when you are tired.

#### 14 Disconnect tool

Shut off power and wait for the tool to come to a complete standstill before leaving it unattended.  
Unplug the tool when not in use, before servicing or changing accessories.

#### 15 Remove adjusting keys and wrenches

Always check that adjusting keys and wrenches are removed from the tool before operating the tool.

#### 16 Use appropriate tool

The intended use is described in this instruction manual. Do not force small tools or attachments to do the job of a heavy-duty tool. The tool will do the job better and safer at the rate for which it was intended.

**Warning!** The use of any accessory or attachment or performance of any operation with this tool, other than those recommended in this instruction manual may present a risk of personal injury.

#### 17 Do not abuse cord

Never carry the tool by its cord or pull it to disconnect from the socket. Keep the cord away from heat, oil and sharp edges.

#### 18 Maintain tools with care

Keep the tools in good condition and clean for better and safer performance.

Follow the instructions for maintenance and changing accessories. Inspect the tool cords at regular intervals and, if damaged, have them repaired by an authorized DeWALT repair agent. Inspect the extension cords periodically and replace them if damaged. Keep all controls dry, clean and free from oil and grease.

## 19 Check for damaged parts

Before using the tool, carefully check it for damage to ensure that it will operate properly and perform its intended function. Check for misalignment and seizure of moving parts, breakage of parts and any other conditions that may affect its operation. Have damaged guards or other defective parts repaired or replaced as instructed. Do not use the tool if the switch is defective. Have the switch replaced by an authorized DeWALT repair agent.

## 20 Have your tool repaired by an authorized DeWALT repair agent

This Power Tool is in accordance with the relevant safety regulations. To avoid danger, electric appliances must only be repaired by qualified technicians.

## Package contents

The package contains:

- 1 Heavy duty drill
  - 2 Side handles
  - 1 Breast plate (with fixing bolt)
  - 1 Drift wedge
  - 4 Hexagonal screws
  - 1 Mixing adaptor (DW152)
  - 1 Instruction manual
  - 1 Exploded drawing
- Check for damage to the tool, parts or accessories which may have occurred during transport.
  - Take the time to thoroughly read and understand this manual prior to operation.

## Description (fig. A)

Your DeWALT heavy duty drill has been designed for professional applications:

DeWALT DW152 drill - heavy duty mixing, thread tapping and drilling.

DeWALT DW153 drill - heavy duty thread tapping and drilling.

The tool can be mounted on a drill stand for use as a stationary tool.

- 1 ON/OFF-switch
- 2 Lock-on button
- 3 Forward/reverse-switch
- 4 Two gear selector
- 5 Carrying handle
- 6 Threaded side handle  
(also serving as drift wedge holder)
- 7 Control side handle  
(with additional ON/OFF-switch [1])
- 8 Tool holder
- 9 Drift wedge
- 10 Drift wedge slot
- 11 Gear housing
- 12 Breast plate
- 13 Carbon brush access cover

## Electrical safety

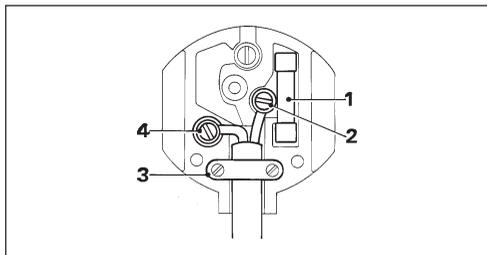
The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.



Your DeWALT tool is double insulated in accordance with EN 50144; therefore no earth wire is required.

## Mains plug replacement (U.K. & Ireland only)

- Should your mains plug need replacing and you are competent to do this, proceed as instructed below. If you are in doubt, contact an authorized DeWALT repair agent or a qualified electrician.
- Disconnect the plug from the supply.
- Cut off the plug and dispose of it safely; a plug with bared copper conductors is dangerous if engaged in a live socket outlet.
- Only fit 13 Amperes BS1363A approved plugs fitted with the correctly rated fuse (1).
- The cable wire colours, or a letter, will be marked at the connection points of most good quality plugs. Attach the wires to their respective points in the plug (see below). Brown is for Live (L) (2) and Blue is for Neutral (N) (4).
- Before replacing the top cover of the mains plug ensure that the cable restraint (3) is holding the outer sheath of the cable firmly and that the two leads are correctly fixed at the terminal screws.



Never use a light socket.  
Never connect the live (L) or neutral (N) wires to the earth pin marked E or  $\perp$ .

For 115 V units with a power rating exceeding 1500 W, we recommend to fit a plug to BS4343 standard.

### Using an extension cable

If an extension cable is required, use an approved extension cable suitable for the power input of this tool (see technical data). The minimum conductor size is 1.5 mm<sup>2</sup>. When using a cable reel, always unwind the cable completely.

Also refer to the table below.

Conductor size (mm <sup>2</sup> )	Cable rating (Amperes)
0.75	6
1.00	10
1.50	15
2.50	20
4.00	25

		Cable length (m)					
		7.5	15	25	30	45	60

Voltage	Amperes	Cable rating (Amperes)					
115	0 - 2.0	6	6	6	6	6	10
	2.1 - 3.4	6	6	6	6	15	15
	3.5 - 5.0	6	6	10	15	20	20
	5.1 - 7.0	10	10	15	20	20	25
	7.1 - 12.0	15	15	20	25	25	-
	12.1 - 20.0	20	20	25	-	-	-
230	0 - 2.0	6	6	6	6	6	6
	2.1 - 3.4	6	6	6	6	6	6
	3.5 - 5.0	6	6	6	6	10	15
	5.1 - 7.0	10	10	10	10	15	15
	7.1 - 12.0	15	15	15	15	20	20
	12.1 - 20.0	20	20	20	20	25	-

### Assembly and adjustment



Prior to assembly and adjustment always unplug the tool.

#### Inserting and removing an accessory (fig. A)

This tool uses morse taper type accessories.

- Insert the tapered shank into the tool holder (8). The accessory will be automatically locked in position.
- To remove the accessory insert the drift wedge (9) into the drift wedge slot (10) and strike it with a hammer. The drift wedge can be stored in the hollow housing of the threaded side handle (6).

#### Fitting the side handles (fig. B)

The tool is equipped with two removable side handles (6 & 7) to operate the drill when it is used as a hand-held tool.

#### Threaded side handle

- Screw the handle (6) into position and tighten it.

#### Control side handle

- Mount the handle (7) onto the gear housing (11) using the four hexagonal screws (14) provided.

#### Mounting the breast plate (fig. B)

The breast plate (12) enables optimal control of the drill when it is used as a hand-held tool.

- Mount the breast plate (12) to the rear end of the tool using the fixing bolt (15) provided.



When using the drill as a hand-held tool always make sure that the side handles and breast plate are properly assembled.

#### Forward/reverse-switch (fig. A)

The forward/reverse action in both gears enables the tool to be used for e.g. thread tapping.

- To select forward or reverse rotation use the forward/reverse-switch (3).

**R** (Right) : forward rotation

**L** (Left) : reverse rotation



The direction of rotation must only be changed when the motor has come to a complete standstill. A safety device prevents any change of rotation if the motor is still switched ON.

### Two gear selector (fig. C)

The tool is fitted with a two gear selector (4) to vary the speed/torque ratio.

- Release the ON/OFF-switch and select the required position after the motor has come to a complete standstill.
  - I low speed/high torque  
(drilling large holes) (position I)
  - II high speed/low torque  
(drilling smaller holes) (position II)

For speed rates, refer to the technical data.



Do not try to change gears at full speed or under load.

### Mounting the drill onto a drill stand (fig. D)

Your drill can be mounted on a drill stand (optional) for stationary use.

- Remove the breast plate by loosening the fixing bolt.
- Remove both side handles.
- Mount the tool onto the drill stand. Make sure to tighten all fixing bolts provided with the drill stand.

### Instructions for use



- Always observe the safety instructions and applicable regulations.
- Apply only a gentle pressure to the tool. Excessive force decreases tool performance and may shorten tool life.

### Using the drill as a hand-held tool (fig. A)

- Fit the side handles and the breast plate.
- Insert the appropriate accessory.
- Select the direction of rotation.
- Select the appropriate speed/torque ratio.
- To run the tool, press the ON/OFF-switch (1) in the control side handle (7).
- To stop the tool, release the ON/OFF-switch. Always switch OFF the tool when work is finished and before unplugging.

### Stationary use (fig. A)

- Remove the side handles and the breast plate.
- Mount the tool onto a drill stand (shown in fig. D).
- Insert the appropriate accessory.
- Select the direction of rotation.
- Select the appropriate speed/torque ratio.
- To run the tool, press the ON/OFF-switch (1) in the carrying handle (5).
- If necessary, press the lock-on button (2) for continuous operation and release the ON/OFF-switch. The lock-on button works both in forward and reverse rotation.
- To stop the tool, release the ON/OFF-switch.
- To stop the tool in continuous operation, press the ON/OFF-switch briefly. Always switch OFF the tool when work is finished and before unplugging.

### Mixing

- For mixing, fit an appropriate mixing accessory.



Do not mix or stir inflammable liquids labelled accordingly.

Consult your dealer for further information on the appropriate accessories.

### Maintenance

Your DeWALT Power Tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

- The heavy duty drill is not user-serviceable. We recommend to take the tool to a DeWALT authorized repair agent after approximately 150 hours of use.



### Lubrication

Your Power Tool requires no additional lubrication.



### Cleaning

Keep the ventilation slots clear and regularly clean the housing with a soft cloth.