

TITAN®



12 month
Full
Manufacturer's
Warranty

SAFETY AND OPERATING MANUAL

600W PRECISION TILE CUTTER

SF180

TITAN®

Congratulations on your purchase of a TITAN. power tool from Screwfix Direct Ltd. We want you to continue getting the best performance from it so this handbook includes information on safety, handling and care. Please retain this handbook in case you need to refer to any of the information in the future.

Your TITAN power tool comes with a 12-month guarantee, so should it develop a fault within this period contact Screwfix Direct Ltd on Freephone 0500 41 41 41.

GUARANTEE

This **TITAN** product carries a Screwfix Direct Ltd guarantee of 12 months. If your product develops a fault within this period, you should, in the first instance contact Screwfix Direct Ltd on Freephone 0500 41 41 41. If the fault occurs within the first 12 months, you may return the goods for a full refund or we will repair or replace the goods if you prefer. When repair is not practical or identical goods are not available, alternative goods of similar specification and quality will usually be provided but, failing this, you will be offered a partial or full refund depending on the time period since purchase.

This guarantee specifically excludes losses caused due to:

- Fair wear and tear
- Misuse or abuse
- Lack of routine maintenance
- Failure of consumable items (such as batteries)
- Accidental damage
- Cosmetic damage
- Failure to follow manufacturer's guidelines
- Loss of use of the goods
- Repairs attempted by anyone, unless authorised by Screwfix Direct Ltd.

This guarantee does not affect your statutory rights. This guarantee is only valid in the UK.

For further technical advice, spare parts or repair service (outside of guarantee) please contact the customer helpline number on 0845 607 6380.

SAFETY INSTRUCTIONS



WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

SAVE THESE INSTRUCTIONS

1. **Keep the work area clean.**

Cluttered areas and benches invite injuries.

2. **Consider work area environment.**

Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep the work area well lit. Do not use power tools where there is risk to cause fire or explosion.

3. **Guard against electric shock.**

Avoid body contact with earthed or grounded surfaces (e.g. Pipes, radiators, ranges, refrigerators, other metal surfaces).

4. **Keep children away.**

Do not let visitors touch the tool or extension cord. All visitors should be away from area.

5. **Store idle tools.**

When not in use, tools should be stored in a dry, high or locked up place, out of reach of children.

6. **Do not force the tool.**

It will do the job better and safer at the rate for which it was intended.

7. **Use the right tool.**

Do not force small tools or attachments to do the job of a heavy-duty tool. Do not use tools for purposes not intended, for example, do not use circular saws to cut tree limbs or logs.

8. **Dress properly.**

Do not wear loose clothing or jewellery, they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protecting hair covering to contain long hair.

9. **Use safety glasses.**

Also use face or dust mask if the cutting operation is dusty.

10. **Connect dust extraction equipment.**

If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.

11. **Do not abuse the cord.**

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

12. **Secure work.**

Use clamp or a vice to hold the work. It is safer than using your hand and frees both hands to operate the tool.

13. **Do not overreach.**

Keep proper footing and balance at all times.

14. **Maintain tool with care.**

Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cord

periodically and if damaged have it replaced by an authorised service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free of oil or grease.

15. Disconnect tools.

When not in use, before servicing and when changing accessories such as blades, bits and cutters, remove the mains plug from the socket.

16. Remove adjusting keys and wrenches.

Make the habit of checking to see that keys and adjusting wrenches are hat keys and adjusting wrenches are removed from the tool before turning it on.

17. Avoid unintentional starting.

Do not carry a plugged-in tool with a finger on the switch. Ensure switch is in the off when plugging in.

18. Use outdoor extension leads.

When tool is used outdoors, use only extension leads approved for outdoor use.

19. Stay alert.

Watch what you are doing. Use common sense. Do not operate tool when you are tired or under the influence of drugs or alcohol.

20. Check damaged parts.

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorised service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorised service facility. Do not use the tool if the switch does not turn it on and off.

21. Warning.

The using of any accessory or attachment, other than those recommended in this instruction manual may present a risk of personal injury.

22. Have your tools repaired by qualified person.

This electrical tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

HEALTH ADVICE

WARNING! When drilling, sanding, sawing or grinding, dust particles will be



produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful to you (e.g. lead from old gloss paint).

You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure. You should:

-- Work in a well-ventilated area.

-- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

ADDITIONAL SAFETY RULES FOR YOUR PRECISION TILE CUTTER

1. If the supply cord is damaged have it replaced by a qualified person.
2. Remove the mains plug from socket before carrying out any adjustment, servicing.
3. Always wear both eye and ear protection when using the machine.
Ensure that the directional arrow marked on the blade corresponds with the rotational direction of the motor.
4. With the machine disconnected from the power supply, rotate the blade by hand to ensure it is free from obstruction.
5. Always keep the blade securing arbor and collars clean.
6. Ensure that the blade-securing bolt is securely tightened with a suitable wrench.
7. Never try to cut freehand. Always ensure that the tile to be cut is pressed firmly against the parallel side fence.
8. Ensure that the work piece to be cut off has sufficient room to move sideways. Failure to do so may result in the off cut binding against the blade.
9. Never cut more than one tile at a time.
10. Never cut pieces too small to be held securely against the side fence without leaving enough space for the hand to be a safe distance from the blade.
11. Ensure that the table and surrounding area are clear with the exception of the tile to be cut.
12. Never fit substandard blades to the machine. Only fit correctly sized diamond blades.
13. Before cutting a tile piece let the saw blade run freely for a few seconds. If it makes an unfamiliar sound or vibrate excessively switch it off immediately and disconnect from the power supply. Investigate the cause or consult a qualified person for advice.
14. Let the blade reach full speed before commencing the cut.
15. Do not force the blade to cut the tile.
16. Let the blade come to a complete stop before removing any jammed or off cut material from around the blade area.
17. Use a Residual Circuit Breaker on all 230V Power tools. This can help minimise the risk of an electrical shock if an earth fault or short circuits occurs.
18. If using a power cable extension ensure that the cable is fully unwound and that its length is less than 30m . Lengths over 30m will effect the tools performance as a result of voltage drop .
19. Always use the appropriate safety equipment that is required for the product. e.g. Goggles / Safety Spectacles, Ear defenders (essential with tools with a noise rating of over 85 dbA), Gloves and face masks. In all cases ensure that the safety equipment is in good condition.

SYMBOLS



Read the manual



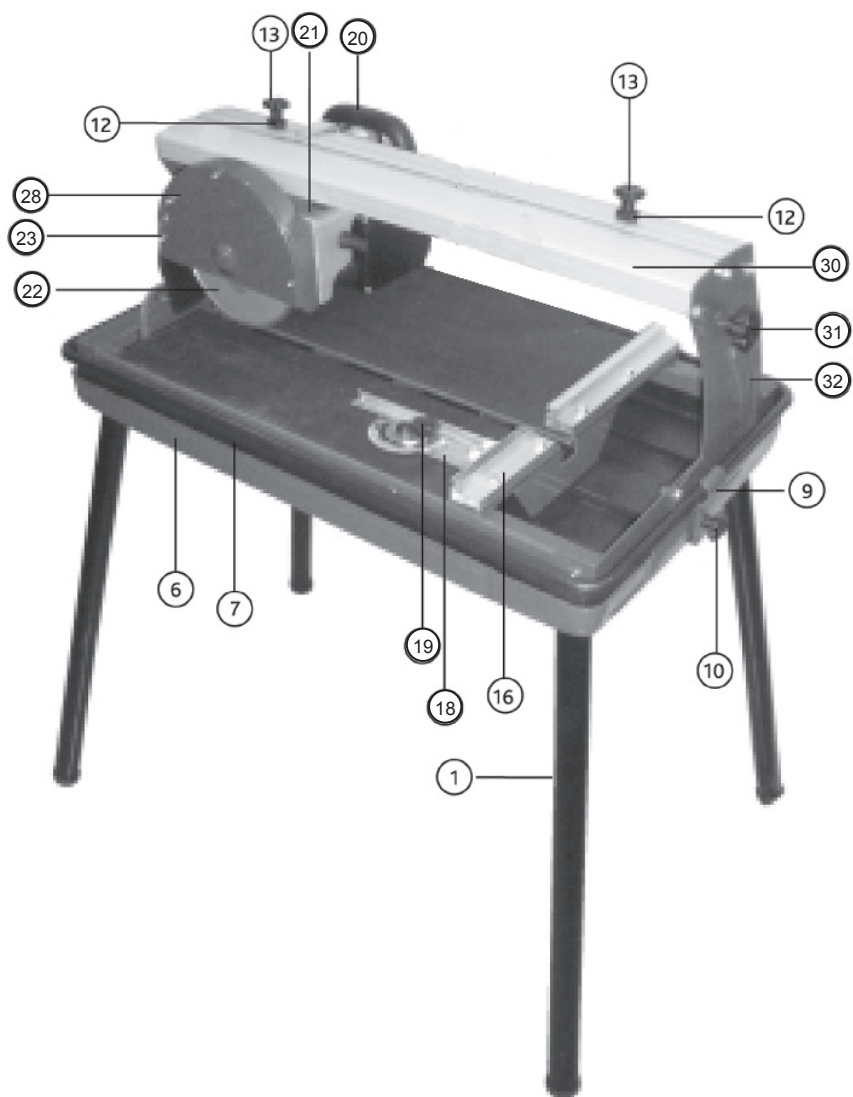
Warning



Wear gloves



Wear dust mask, eye & ear protection



1 SUPPORT LEG X 4
2 SCREW (10MM)
3 SPRING WASHER X 4
4 ALLEN KEY (8MM)
5 SCREW (6MM) X 2
6 BASE SUPPORT
7 TANK
8 PUMP
9 TANK FIXING CLAMP
10 TANK FIXING KNOB
11 SCREW (6MM)
12 ADJUSTABLE CUTTING LENGTH STOP X 2
13 ADJUSTABLE CUTTING LENGTH KNOB X 2
14 FENCE CLAMP
15 KNURLED SCREW X 2
16 FENCE
17 MOTOR LOCKING KNOB
18 CROSS FENCE
19 CROSS FENCEFIXING KNOB
20 HAND GRIP
21 MOTOR GUARD
22 CUTTING BLADE
23 GUARD SCREW X 3]
24 WRENCH (8MM)
25 WRENCH (19MM)
26 NUT
27 FLANGE
28 BLADE GUARD
29 "ON/OFF" SWITCH (SEE FIG 14)
30 MOTOR RAIL
31 BEVEL CLAMPING KNOB X 2
32 BEVEL SCALE

TECHNICAL DATA

Voltage:	230V~50Hz
Wattage:	600W
No load speed:	3,000min ⁻¹
Diamond blade size:	Ø180mmx2.2mmxØ25.4mm(bore)
Max. cut at 90° :	25mm
Table tilting range:	0°-45°
Table size:	465x385mm
Weight:	30kg

NOISE AND VIBRATION DATA

Sound pressure level:	71.2dB(A)
Sound power level:	84.2dB(A)
Vibration level:	1.121m/s ²



NOTE: Wear ear protection when sound pressure is over 85dB(A)

ACCESSORIES

Stand frame:	1pc (4 legs+base)
Mitre guage:	1pc
Spanners:	2pcs

OPERATION INSTRUCTIONS

INTENDED USE

The machine is designed to perform cutting jobs on small and medium tiles such as floor and wall tiles made of ceramic and similar material, which suit the machine's size. The cutting of wood and metal is prohibited. The machine is to be used solely for its intended purpose. Only the cutting blades specified for the machine are to be used.

All persons operating and servicing this machine must read these instructions before attempting to use it.

All the covers and safety devices have to be properly fitted before the machine is switched on.

ASSEMBLY OF THE TABLE AND COOLING WATER PUMP

1. Connect the support legs ① to the base support using the bracket ⑥ hex screws and spring washer (see Fig 2).

2. Tighten the screw with the allen key ④ (See fig3)

3. Locate screw ⑤ into each end of the support base side frame. This will be required later (see point 7 below and see fig 4)

4. Locate the tank into the base support.
(See fig 5)

5. Insert the pump ⑧ into the slot in the base of the tank.

Note: During the cutting process the pump must be submerged in water. (See fig 6)

6. Position the machine into the tank. The machine is not fixed but sits within the tank. (See fig 7)

7. Secure the tank to the base support using the tank fixing clamps ⑨ and the tank fixing knobs ⑩

Note: These fit over the screw inserted in point 3 above (See fig 8)

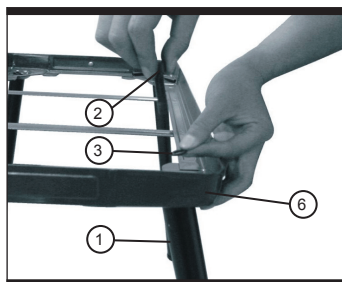


Fig 2

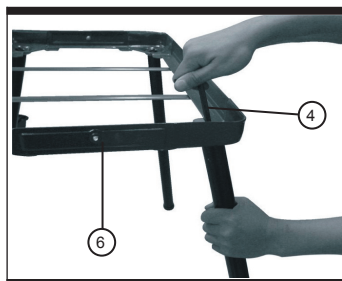


Fig 3

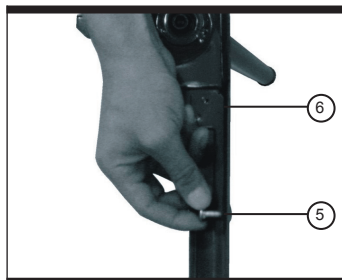


Fig 4



Fig 5

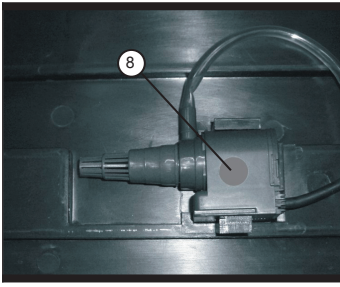


Fig 6



Fig 7

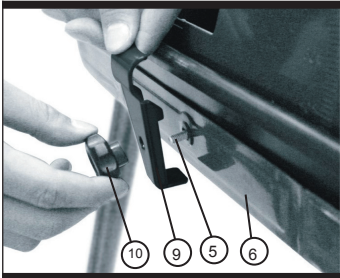


Fig 8

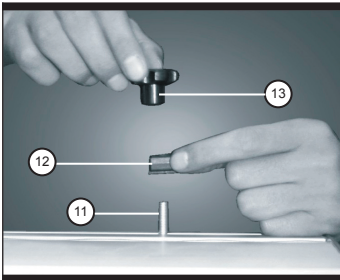


Fig 9

8.Fit both adjustable cutting length stops (12) over both screws (11). (See fig9)

9.Fit both adjustable clamping knob (13). (See fig10)

10.Connect the cross fence with the fence clamp (14) using the knurled screw (15) (See fig11)

11.Locate fence clamp (14) into the slotted square section of the fence (16) (See fig12)

12.Remove the motor locking knob (17) and store for further use later. (See fig13)

NOTE: before use, the motor locking knob (17) must be removed, otherwise the motor and the blade can not be moved.

ON/OFF OPERATION (See fig14)

Before you commence cutting ensure the tank is filled with water. This is essential for cooling the blade during operation.

Press 1 to start, Press 0 to stop.

90° Cutting

1.Position the cross fence (18) at 90° and tighten the cross fence fixing knob (16). (See fig15)

2.Position and fix the cross fence (18) on the fence (16) according to your cutting requirement.(See fig 11,fig 12and fig 15)

3.Position the tile against the fence (16) and the cross fence (18).(See fig 11 and fig 12)

4.Activate switch (33) button "1"



Caution: Wait until the cooling water reaches the saw blade (26).

5.Push the hand grip (20) forward and backward to make a cut. You must secure your workpiece from moving to prevent any personal injury when operating your tool.(See fig 10)

6.Activate switch (29) button "0" when you have completed the cutting.(See fig 14)

45° diagonal cutting (See fig16)

Position the cross fence (22) at 45°, cut the tile as explained in the 90 degree cutting operation.

45° bevel cutting (See fig17)

Loosen both bevel clamping knobs (31) and adjust the bevel angle using the scale provided. Tighten both knobs again. Cut the tile as explained in the

90 degree cutting operation.

Replacement of the blade (See fig18 & 19)

Secure the motor with the locking knob (17). (See fig 13.)

Warning: (See Fig 18) Loosen the three screws (23) and remove the blade guard (28). (See Fig 19) To remove the blade you must fix the wrench (25) on the blade arbour flats and fix a second wrench (24) onto the nut (26). Then rotate both wrenches in opposite directions because nut (26) is a left hand thread. Remove the nut 26, flange (28) and blade.

Before installing the new blade clean the flange and blade arbour. Install the new blade by following the above instructions in reverse. Be sure to tighten the nut (26).

Warning: Always rotate the blade by hand to check it is free of obstruction before connecting to the power supply.

Then run the blade freely for a few seconds to check for unfamiliar sounds before starting your tool.

ENVIRONMENTAL PROTECTION

 Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with  your Local Authority or retailer for recycling advice.

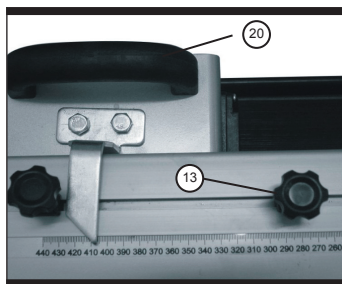


Fig 10

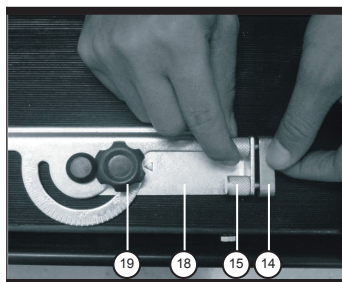


Fig 11

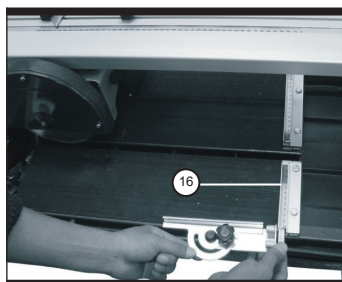


Fig 12

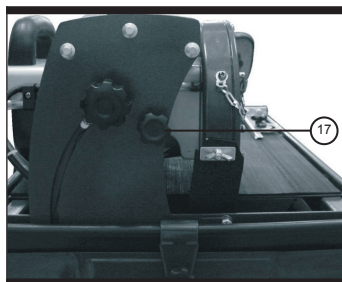


Fig 13

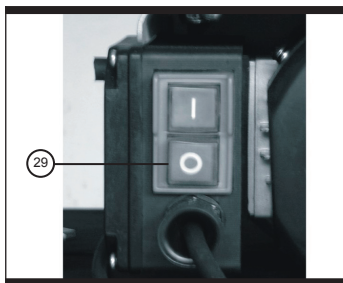


Fig 14

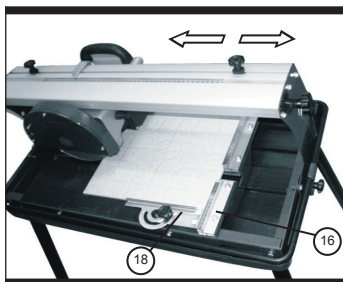


Fig 15

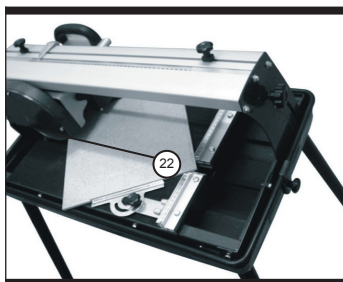


Fig 16

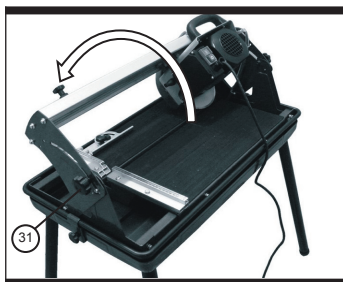


Fig 17

PLUG REPLACEMENT

The fuse in the main plug of your power tool should always be replaced with one of identical rating.

Check the voltage given on your power tool matches the supply voltage.

The power tool is supplied with a fitted plug, however if you should need to fit a new plug follows the instruction below.

IMPORTANT

The wire in the mains lead are coloured in accordance with the following code:

Green & yellow ---Earth

Blue ---Neutral

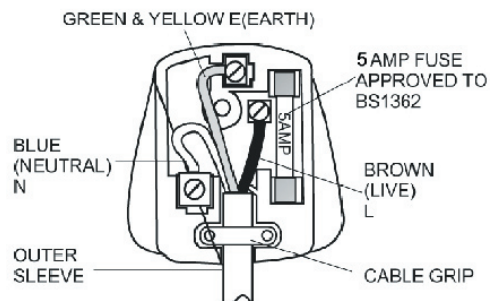
Brown ---Live

The wire which is coloured green & yellow must be connected to the terminal which is marked with E or $\equiv$.

The wire that is coloured blue must be connected to the terminal that is marked with the letter N.

The wire that is coloured brown must be connected to the terminal that is marked with the letter L.

A 13AMP (BS1363 or BS1363/A) plug must be used and a 5 AMP fuse must be fitted.



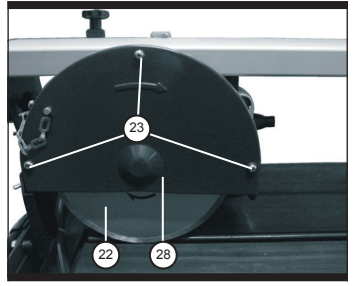


Fig 18

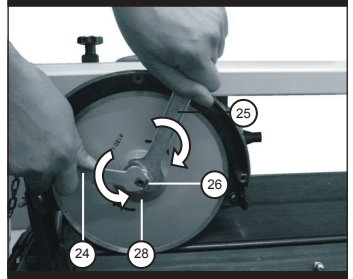


Fig 19



Declaration of Conformity

We, Importer

Screwfix Direct Ltd

Mead Avenue

Houndstone Business Park

Yeovil

BA 22 8RT

Declare that the product

TILE CUTTER

SF180

Complies with the essential health and safety requirements of the following directives:

89/336 EEC, 93/68 EEC.—EMC Directive.

73/23 EEC, 93/68 EEC.—Low Voltage Directive

98/37 EC.—Machinery Directive.

Standards and technical specifications referred to:

EN 61029-1:2000/+A11:2003/+A12:2003

PrEN 61029-2-7:1992

EN 12418:2000

EN 60825-1:1994/+A1:1994/+A2:1994

EN 55014-1:2000/+A2:2002

EN 55014-2:1997/+A1:2001

EN 61000-3-2:2000

EN 61000-3-3:1995/+A1:2001

Authorised Signatory

Date: 03/15/05

Signature: P. C. Harries

Name: Peter Harries

Screwfix Direct Ltd

Quality Manager



2005

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