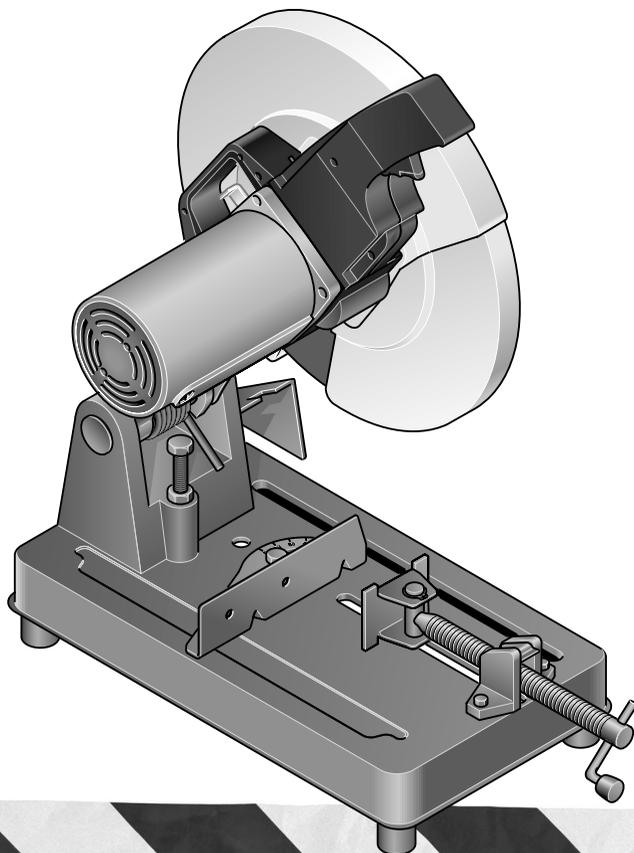


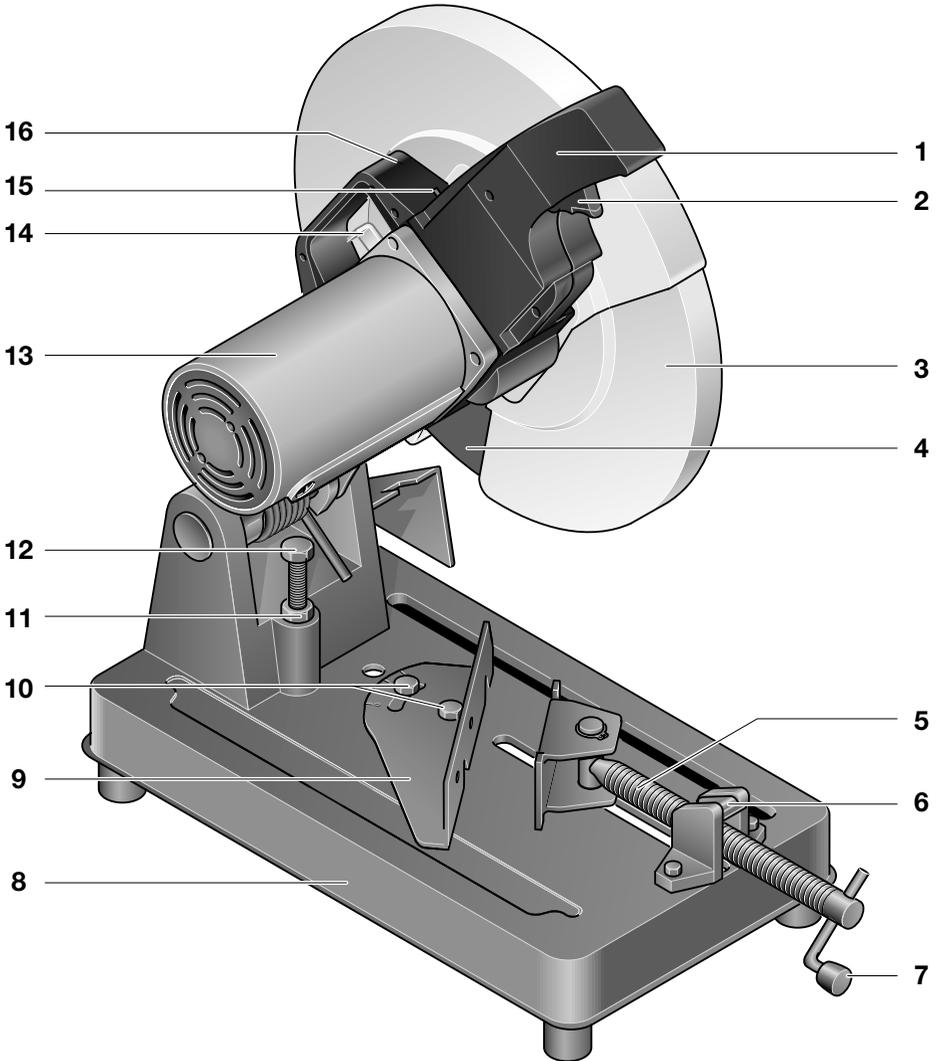
GCO 14-1 PROFESSIONAL

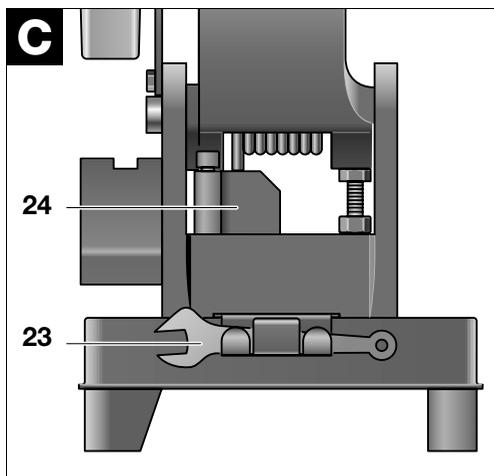
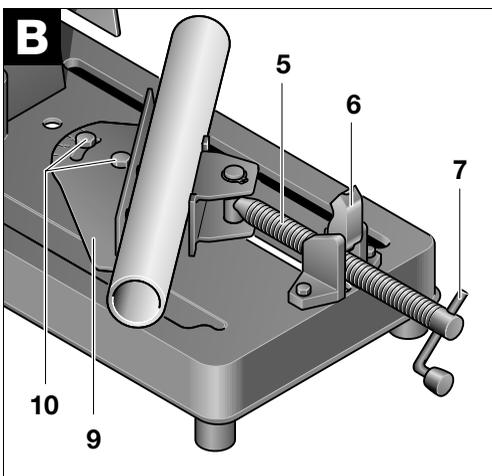
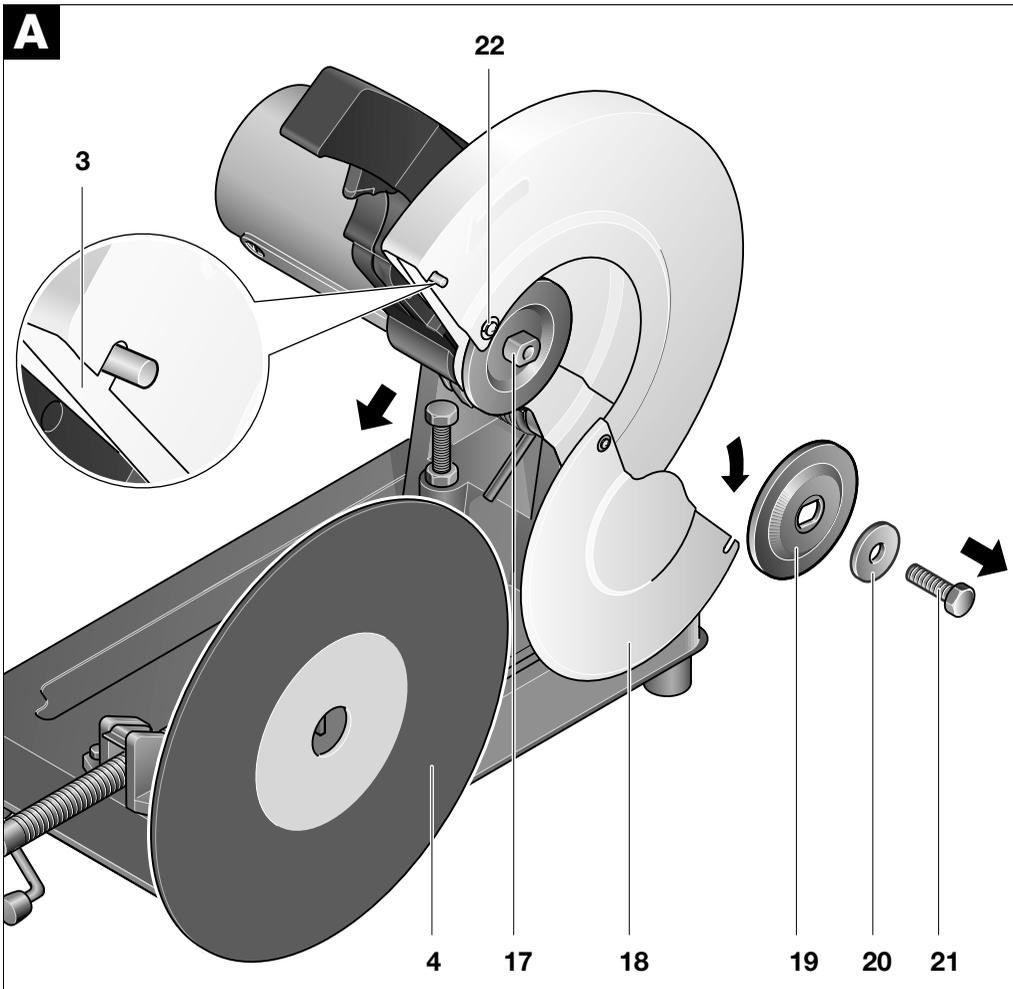
BOSCH
Ideas that work.

* Des idées en action.

Bedienungsanleitung
Operating instructions
Instructions d'emploi
Instrucciones de servicio
Manual de instruções
Istruzioni d'uso
Gebruiksaanwijzing
Betjeningsvejledning
Bruksanvisning
Brukerveiledningen
Käyttöohje
Οδηγία χειρισμού
Kullanım kılavuzu







1 GENERAL SAFETY RULES

FOR ELECTRIC TOOLS



Read and understand all instructions. Failure to follow all instructions listed below may result in electrical shock, fire and/or serious personal injury.

Save these Instructions!

Work Area

Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

Do not operate power tools in explosive atmospheres such as in the presence of flammable liquids, gases, or dust. Power tools generate sparks which may ignite the dust or fumes.

Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

Do not let the electro-tool continue to run when not attended - switch it off. Do not leave the electro-tool until the tool has come to a complete standstill.

Electrical Safety

Before connecting the electro-tool, ensure that the voltage of the power source agrees with that give on the nameplate or deviates by a maximum of no more than 10 %. If the voltage of the power source is not compatible with the voltage required by the electro-tool, a serious accident and damage to the electro-tool can result.

Avoid body contact with earthed surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electrical shock if your body is earthed.

Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electrical shock.

Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep the cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electrical shock.

Personal Safety

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating a power tool may result in serious personal injury.

Dress properly. Do not wear loose clothing or jewellery. Contain long hair. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can become caught in moving parts.

Avoid accidental starting. Be sure the switch is off before inserting the plug. Carrying a tool with your finger on the switch or plugging a tool that is switched on invites an accident.

Remove adjusting keys or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enable better control of the tool in unexpected situations.

Use safety equipment. Always wear eye protection. A dust mask, non-skid safety shoes, hard hat, or hearing protection must be used as appropriate for the conditions.

Power Tool Handling and Usage

Use clamps or other practical means to secure and support the work piece on a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.

Do not force the tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

Do not use a tool if the switch does not turn it on and off. A tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect the plug from the power source before making any adjustments, changing accessories or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

Store tools when not in use out of reach of children and other inexperienced persons. Tools are dangerous in the hands of inexperienced users.

Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.

Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

Do not make changes to the electro-tool or use it for purposes other than those described in the "Intended Use" Section. Any modification is a misuse and can lead to serious injuries.

Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool, may become hazardous when used on another tool.

Service

Tool repair must be performed only by qualified repair personnel. Repairs or maintenance performed by unqualified personnel could result in a risk of injury.

When repairing a tool, use only identical replacement parts. Follow instructions in the maintenance section of this manual. The use of unauthorised parts or failure to follow maintenance instructions may create a risk of shock or injury.

2 SPECIFIC SAFETY RULES FOR CUT-OFF AND MITRE SAWS

Provide for adequate room lighting at your workplace or for adequate lighting of the immediate work area.

If the mains cable is damaged or cut through while working, do not touch the cable but pull the mains plug immediately. Never use the machine with a damaged cable.

Wear protective glasses and hearing protection. Dust is generated while working that can be detrimental to health, inflammable or explosive. Suitable protective measures are required.

For example: Some types of dust are considered to be carcinogenic. Use suitable dust vacuuming and wear a dust protection mask.

Light metal dust can burn or explode. Always keep the workplace clean since mixed materials are especially dangerous.

Wear protective gloves and sturdy shoes. When necessary, also wear an apron.

Connect machines that are used outdoors by means of a fault current circuit breaker (FI) with a maximum triggering current of 30 mA. Use only an extension cable that is approved for outdoor use.

Always lead the cable to the rear away from the machine.

Use the machine only for dry cutting.

Take hold of the electric tool only by the insulated handle when the cutting tool used could come in contact with hidden wiring or its own mains cable. Contact with voltage carrying wiring can place the metal parts of the machine also under voltage and lead to an electrical shock.

Never stand on the machine. Serious injury could occur if the machine is tipped or if the cutting tool is accidentally contacted.

Use cutting disks whose allowable speed is at least as high as the no-load speed of the machine. Check the cutting disk before use.

Keep your body positioned to either side of but not in line with the cutting disk. In case of a burst disk, your body is better protected from possible fragments.

The cutting disk must be flawlessly mounted and be able to rotate freely. Make a test run of at least one minute without load. Do not use damaged, out-of-round or vibrating cutting disks.

Always correctly adjust the depth stop. When the depth stop is not properly adjusted, the cutting disk can cut into the surface underneath the base plate.

During operation, the cutting disk cover must be attached and the protective pendulum hood must be functioning properly.

Do not work with magnesium or materials containing asbestos.

Protect the cutting disk from impacts, shocks and grease.

Apply the machine to the work piece only when it is switched on.

Keep your hands away from the rotating cutting disk.

When cutting metal, sparks are generated. Take care that no persons are endangered. Because of the danger of fire, no combustible materials should be located in the vicinity (spark flying zone).

Blocking of the cutting disk leads to a jerking reaction of the machine. In this case, switch off the machine immediately.

Do not ram the cutting disk with force into the work piece or apply too much pressure when using the machine. Avoid especially the catching of the cutting disk when working on corners, sharp edges, etc. When the cutting disk is damaged due to misuse, it may develop cracks that could lead to bursting without warning.

Avoid overloading the motor especially when working with large work pieces. When cutting, apply only light pressure to the handle.

Pay attention to the dimensions of the cutting disk. The hole diameter must fit on the tool spindle without play. Do not use reducer pieces or adapters.

Do not apply sideways pressure to the cutting disk.

Observe the instructions of the manufacturer for the mounting and usage of the cutting disk.

The cutting disk continues to run after the machine is switched off.

Actuate the spindle locking only when the cutting disk is at a standstill.

The cutting disk becomes very hot while working; never take hold of it before it has cooled.

Bosch can ensure flawless functioning of the machine only when original accessories intended for the machine are used.

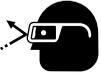
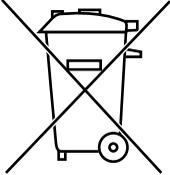
SYMBOLS

Important notice: Some of the following symbols could have meaning for the use of your tool. Please take note of the symbols and their meaning. The correct interpretation of the symbols will help you to use the tool in a better and safer manner.

Symbol	Name	Meaning
V	Volts	Voltage
A	Amperes	Current
Ah	Ampere-hours	Capacity, quantity of stored electrical energy
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
Nm	Newton-meter	Unit of energy
kg	Kilograms	Mass, weight
mm	Millimetre	Length
min/s	Minutes/Seconds	Time
°C/°F	Degrees Celsius/Degrees Fahrenheit	Temperature
dB	Decibel	Unit of relative loudness
∅	Diameter	Size of drill bits, grinding wheels, etc.
min ⁻¹ /n ₀	Revolutions per minute/no load speed	Rotational speed at no load
.../min	Revolutions or reciprocation per minute	Revolutions, strokes, surface speed, orbits, etc. per minute
0	Off position	Zero speed, zero torque...
SW	Spanner width (in mm)	Distance between parallel surfaces on fastener elements on which the tool must fit on (e.g. hex nuts or hex-head screws), fit over (e.g. ring spanner) or fit in (e.g. socket-head screws).
	Left rotation/Right rotation	Direction of drive rotation
	Hex socket drive/Square drive	Type of tool holder
	Arrow	Action in the direction of arrow
	Alternating current	Type or a characteristic of current
	Direct current	Type or a characteristic of current
	Alternating or direct current	Type or a characteristic of current

Symbol	Name	Meaning
	Class II construction	Designates double insulated constructed tools
	Protection class I (Earthing terminal)	Machines of the protection class I must be earthed
	Warning symbol	Alerts user to warning messages. Read and understand instructions before operation
	Warning symbol	Provides information for correct handling, e.g., read the operating instructions.

Symbols specifically for this Machine

Symbol	Meaning	
	Warning symbol	Wear a dust protection mask.
	Warning symbol	Wear protective glasses.
	Warning symbol	Keep your hands away from the rotating cutting disk.
	Note symbol	Tool, accessories and packaging should be sorted for environment-friendly recycling. The plastic components are labelled for categorised recycling. Marking of electrical and electronic equipment in accordance with article 11(2) Directive 2002/96/EC (WEEE).

3 FUNCTION



While reading the operating instructions, refer to the corresponding illustrations of the electro-tool on the front pages.

Intended Use

The machine is intended for stationary use to perform lengthways and crossways straight cuts or mitre cuts to 45° in metal materials without the use of water.

Noise/Vibration Information

Measured values are determined according to standard EN 61 029 procedures.

The A-weighted noise levels of the tool are typically:

Sound pressure level: 99,7 dB(A)

Sound power level: 113,0 dB(A)

Measurement uncertainty K = 3 dB

Wear ear protection!

The typical weighted acceleration is 3.4 m/s².

Product Specifications

Cut-Off and Mitre Saw	GCO 14-1 PROFESSIONAL			
	... 003 ... 008 ... 042	... 032	... 037	... 041
Order number 0 601 B10 ...				
Rated input power [W]	2400	2300	2400	2000
Voltage [V]	230	230	240	110
Frequency [Hz]	50	50	50	50
No load speed [min ⁻¹]	3500	3500	3500	3500
Tool spindle [mm]	25.4	25.4	25.4	25.4
Weight (according to EPTA Procedure 01/2003) [kg]	21	21	21	21
Cutting disk dia. [Inch]	14	14	14	14
Protection class	⊕ / I	⊕ / I	⊕ / I	⊕ / I

For maximum work piece dimensions, see the "Working Instructions" Section

Product Elements

The numbering of the machine elements refers to the illustrations of the electro-tool on the front pages of the operating instructions.

- 1 Handle
- 2 On/Off switch
- 3 Swinging guard
- 4 Cutting disk
- 5 Clamping spindle
- 6 Quick release
- 7 Crank
- 8 Base plate
- 9 Angle stop
- 10 Angle stop bolts
- 11 Locking nut for depth stop
- 12 Depth stop

- 13 Tool arm
- 14 Spindle lock
- 15 Overload switch *
- 16 Transport handle
- 17 Tool spindle
- 18 Cutting disk cover
- 19 Clamping flange
- 20 Washer
- 21 Hex-head bolt
- 22 Screw for cutting disk cover
- 23 Open-end spanner
- 24 Transport locking pin

Not all the accessories illustrated or described are included in standard delivery.

* Not included for **0 601 B10 041 (UK execution)**

4 OPERATING INSTRUCTIONS

Before Use

To ensure safe handling, the feet of the base plate **8** must be placed on a suitable platform (e.g. workbench, even floor, etc.).

Transport Safety

(see Figure **C**)

Before all work on the machine, pull the mains plug.

The transport locking pin **24** makes possible easy handling of the machine when transporting to the various working locations.

Securing the Machine (Transport Position)

Swing the tool arm **13** with the handle **1** downward to the stop. Swing the transport safety **24** inward until it rests against the housing and release the tool arm.

Releasing the Machine (Working Position)

Press the tool arm **13** with the handle **1** of the tool arm downward somewhat to relieve the load on the transport safety. Swing the transport safety **24** outward and guide the tool arm slowly upward.

Changing the Tool

(see Figure **A**)

Before all work on the machine, pull the mains plug.

Use only cutting disks that correspond to the characteristic data given in these operating instructions.

Use only cutting disks whose allowable speed is as high as the no-load speed of the machine.

Actuate the spindle lock only with the cutting disk is at a standstill.

Removing the Cutting Disk

Place the machine in the working position.

Hold the cutting disk cover **18**, loosen the screw **22** with a screwdriver and guide the cutting disk cover downward.

Turn the hex-head bolt **21** with the open-end spanner **23** (17 mm) provided and press at the same time the spindle lock **14** until it engages.

Hold the spindle lock depressed and unscrew the hex-head bolt **21**. Remove the washer **20** and the clamping flange **19**.

Swing the pendulum protection hood **3** upward to the stop.

Remove the cutting disk **4**.

Installing the Cutting Disk

If necessary, clean all parts to be mounted.

Swing the pendulum protection hood **3** upward to the stop. Place the new cutting disk on the tool spindle **17** so that the label points in the direction of the cutting disk cover **18**.

Place on the clamping flange **19**, the washer **20** and the hex-head bolt **21**. Press the spindle lock **14** until it engages and tighten the hex-head bolt **21** with a torque of approx. 13 Nm.

Guide the pendulum protection hood back down.

Swing the cutting disk cover **18** upward again and tighten the screw **22**.

Adjusting the Mitre Angle

Before all work on the machine, pull the mains plug.

The mitre angle can be set in the range from 0° to 45°. Often used setting values are identified on the angle stop **9** with appropriate marking. The 0° and 45° positions are set at the end stops.

Loosen the two angle stop bolts **10** with the open-end spanner **23** (17 mm) provided. Set the desired angle and retighten the angle stop bolts.

Clamping the Work Piece

(see Figure **B**)

Before all work on the machine, pull the mains plug.

To ensure optimum working safety, the work piece must always be firmly clamped.

Place the work piece against the angle stop **9**. Slide the clamping spindle **5** against the work piece and clamp the work piece firmly with the aid of the crank **7**.

Releasing the Work Piece

Loosen the crank **7**.

Swing up the quick release **6** and pull the clamping spindle **5** away from the work piece.

Putting into Operation

Switching On and Off

To **switch on**, pull the on/off switch **2** in the direction of the cutting disk. Then press the on/off switch and hold it depressed.

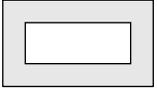
For safety reasons, the on/off switch of the machine cannot be locked on but must remain depressed during operation.

To **switch off** the machine, release the on/off switch **2**.

Working Instructions

Maximum Work Piece Dimensions

[mm]

Work Piece Form	Mitre Angle	
	0 °	45 °
	125 Ø	95 Ø
	118 x 118	90 x 90
	105 x 175	97 x 85
	135 x 135	80 x 80

Do not load the machine so heavily that it comes to a standstill.

Advancing too fast considerably reduces the performance capabilities of the machine and shortens the service life of the cutting disk.

The cutting disk becomes very hot while working; do not take hold of it until it has cooled.

Use only cutting disks that are suitable for the material to be worked.

Overload Switch

The overload switch **15** switches the machine off for long-lasting overload of the motor.

Release the on/off switch **2** and wait approx. 5 minutes until the machine cools.

Only after the motor has cooled can the machine be switched on again.

Press the overload switch **15** and put the machine back into operation.

The overload switch is not included for 0 601 B10 041 (UK execution).

Depth stop

As delivered, the depth stop **12** is set so that a new 14" cutting disk does not touch the base plate when sawing. To compensate for the wear of the cutting disk, the depth stop can be set deeper.

With the use of a new cutting disk, the depth stop must then always be set back to the original position.



Always adjust the depth stop so that the cutting disk does not touch the base plate when sawing.

Adjusting the Depth Stop

Before all work on the machine, pull the mains plug.

Loosen the locking nut **11** with the open-end spanner **23** (17 mm) provided. Swing the tool arm **13** with the handle **1** to the desired position.

Screw the depth stop **12** in the clockwise or counter clockwise direction until the bolt head rests on the housing.

Guide the tool arm **13** slowly upward and tighten the locking nut **11**.

5 MAINTENANCE AND SERVICE

Maintenance

Always keep the machine and the ventilation slits clean for efficient and safe working. When working with metal under extreme conditions, conductive dust can be deposited on the interior of the machine. In such cases, frequently blow out the machine through the ventilation slits and connect by means of a fault current circuit breaker (FI).

The swinging guard must always be able to move freely and close by itself. Therefore, always keep the area around the swinging guard clean.

Should the tool fail in spite of careful manufacturing and testing procedures, have the repairs performed by an authorised customer service location for Bosch Electro-Tools.

For inquiries and spare parts ordering, please include the 10-digit order number on the nameplate of the tool.

Accessories

Cutting disk 2 608 600 543

Cutting disk 2 608 600 689
(for Australian execution: 0 601 B10 037)

Disposal

Tool, accessories and packaging should be sorted for environment-friendly recycling.

The plastic components are labelled for categorised recycling.

Service

Exploded views and information on spare parts can be found under: www.bosch-pt.com

Great Britain

Robert Bosch Ltd. (B.S.C.)
P.O. Box 98
Broadwater Park
North Orbital Road
Denham-Uxbridge
Middlesex UB 9 5HJ

☎ Service+44 (0) 18 95/83 87 82
☎ Advice line+44 (0) 18 95/83 87 91
Fax+44 (0) 18 95/83 87 89

Ireland

Beaver Distribution Ltd.
Greenhills Road
Tallaght-Dublin 24

☎ Service+ 353 (0)1/414 9400
Fax+ 353 (0)1/459 8030

Australia

Robert Bosch Australia Ltd.
RBAU/SBT2
1555 Centre Road
P.O. Box 66 Clayton
3168 Clayton/Victoria

☎+61 (0)1/800 804 777
Fax+61 (0)1/800 819 520
www.bosch.com.au
E-Mail: CustomerSupportSPT@au.bosch.com

New Zealand

Robert Bosch Limited
14-16 Constellation Drive
Mairangi Bay
Auckland
New Zealand

☎ +64 (0)9/47 86 158
Fax+64 (0)9/47 82 914

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