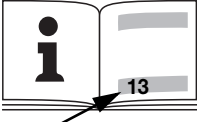




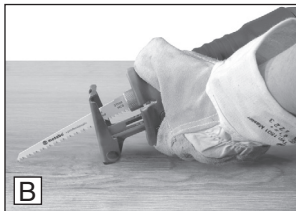
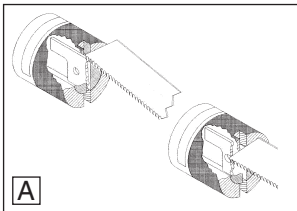
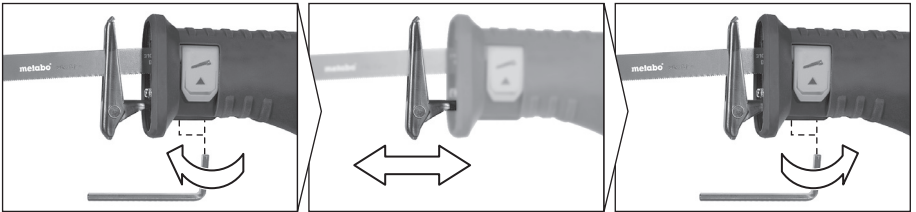
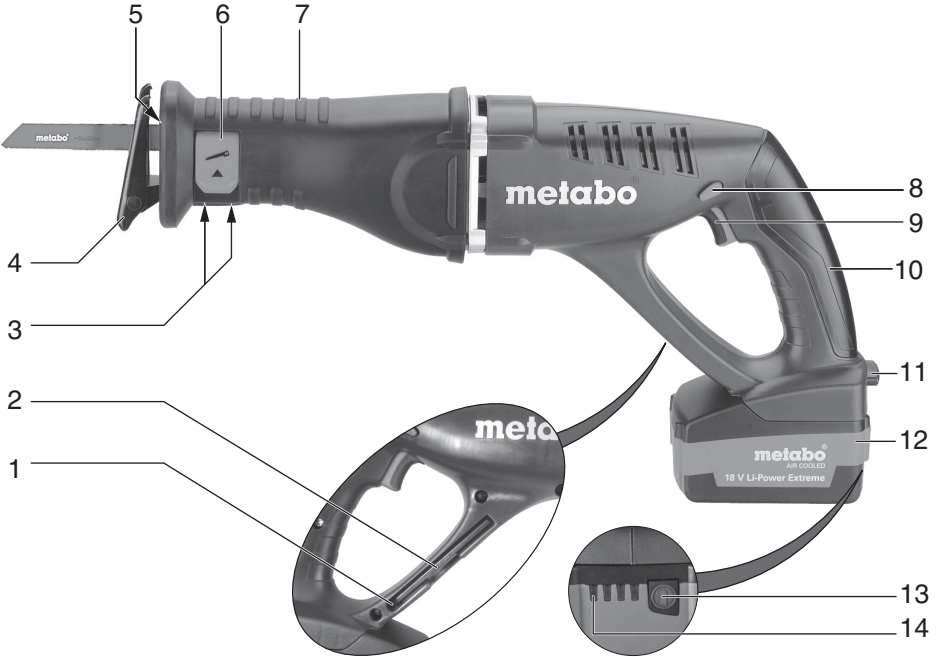
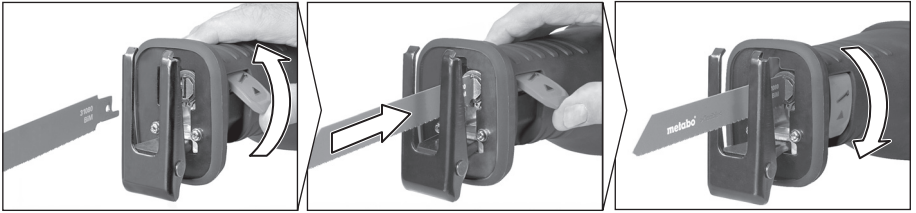
ASE 18 LTX



ENG	Operating Instructions	page	5
F	Mode d'emploi	page	10
ES	Instrucciones de manejo	página	16

		ASE 18 LTX
U	V	18
n_0	./min (spm)	0-2700
s	in (mm)	$1 \frac{3}{16}$ (30)
m	lbs (kg)	7.9 (3,6)

Metabowerke GmbH,
 Postfach 1229
 Metabo-Allee 1
 D-72622 Nuertingen
 Germany



(A)



(B)



ASC 15



ASC 30

etc.

(C)



18 V	3,0 Ah	6.25455	Li-Power Extreme
18 V	4,0 Ah	6.25527	Li-Power Extreme
18 V	5,2 Ah	6.25587	Li-Power Extreme

(D)



Original instructions

Dear Customer, thank you for the trust you have placed in us by buying a Metabo power tool. Each Metabo power tool is carefully tested and subject to strict quality controls by Metabo's quality assurance. Nevertheless, the service life of a power tool depends to a great extent on you. Please observe the information contained in these instructions and the enclosed documentation. The more carefully you treat your Metabo power tool, the longer it will provide dependable service.

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- 1 Specified Use
- 2 General Safety Instructions
- 3 Special Safety Instructions
- 4 Overview
- 5 Special Product Features
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 - 6.1 Battery pack
 - 6.2 Inserting, removing saw blade
 - 6.3 Setting the guide
- 7 Use
 - 7.1 Switching On and Off
 - 7.2 Stepless stroke rate setting
 - 7.3 Working directions
- 8 Tips and Tricks
- 9 Maintenance
- 10 Accessories
- 11 Repairs
- 12 Environmental Protection
- 13 Technical Specifications

1 Specified Use

The tool is suitable for sawing wood, metals, plastics or similar materials such as hard rubber, fibre glass, etc.

The user bears sole responsibility for any damage caused by unspecified use.

Generally accepted accident prevention regulations and the enclosed safety information must be observed.

2 General Safety Instructions



WARNING – To reduce the risk of injury, user must read instruction manual.



For your own protection and for the protection of your power tool pay attention to all parts of the text that are marked with this symbol!

General Power Tool Safety Warnings



WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and

instructions for future reference! The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a**

power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. *A moment of inattention while operating power tools may result in serious personal injury.*

- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards*

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*

- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

5) Battery tool use and care

- a) **Recharge only with the charger specified by the manufacturer.** *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*
- b) **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- c) **When battery pack is not in use, keep it away from other metal objects like paper-clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.** *Shorting the battery terminals together may cause burns or a fire.*
- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** *Liquid ejected from the battery may cause irritation or burns.*

6) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

3 Special Safety Instructions

Hold power tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool „live“ and shock the operator.

Ensure that the spot where you wish to work is free of **power cables, gas lines or water pipes** (e.g. using a metal detector).

When sawing water pipes, ensure that they do not contain any water.

Remove the battery pack from the machine before any adjustment or maintenance is carried out.

Before fitting the battery pack, make sure that the machine is switched off.



Protect battery packs from water and moisture!



Do not expose battery packs to naked flame!

Do not use faulty or deformed battery packs!
Do not open battery packs!

Do not touch or short-circuit battery packs!



Slightly acidic, flammable fluid may leak from defective Li-ion battery packs!



If battery fluid leaks out and comes into contact with your skin, rinse immediately with plenty of water. If battery fluid leaks out and comes into contact with your eyes, wash them with clean water and seek medical treatment immediately.

Always wear protective goggles, gloves, and sturdy shoes when working with this tool.

Wear ear protectors when working for long periods of time. High noise levels over a prolonged period of time may affect your hearing.

Materials that generate dusts or vapours that may be harmful to health (e.g. asbestos) must not be processed.

Additional Warnings:

⚠ WARNING Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Do not reach under the workpiece while the machine is in operation.

Do not try to saw extremely small workpieces.

Clamp the workpiece firmly. Under no circumstances should you hold the workpiece with your hand or foot.

Only use sharp, undamaged saw blades. Do not use saw blades that are cracked or that have changed their shape.

For sawing, the guide must make secure contact with the workpiece.

Always hold the machine with both hands at the intended handles, take a secure stance and concentrate on the work.

Danger of injury due to the sharp saw blade.

Do not touch the moving saw blade! Remove chips and similar material only with the machine at standstill.

SYMBOLS ON THE TOOL

V	volts
≡	direct current
n_0	no load speed
./min	revolutions per minute

4 Overview


See page 3.

- 1 Depot for hexagon wrench
- 2 Hexagon wrench
- 3 Screw for setting the guide
- 4 Guide
- 5 Saw blade quick-clamping device
- 6 Lever for saw blade quick-clamping device
- 7 Front handle
- 8 Switch-on locking button
- 9 Trigger
- 10 Rear handle
- 11 Battery pack release
- 12 Battery pack
- 13 Capacity indicator button
- 14 Capacity and signal indicator

5 Special Product Features

Handle angle with optimised ergonomics for perfect power transmission to the saw blade for energy-saving work.

6 Assembly, Initial Operation, Setting

 Remove the battery pack from the machine before any adjustment or maintenance is carried out.

6.1 Battery pack

Charge the battery pack (12) before use.

If performance diminishes, recharge the battery pack.

"Li-Power" li-ion battery packs have a capacity and signal indicator: (14)

- Press the button (13), the LEDs indicate the charge level.
- If one LED is flashing, the battery pack is almost flat and must be recharged.


Removal:

Press the battery pack release (11) button and pull the battery pack (12) forwards.

Inserting:

Slide in the battery pack (12) until it engages.

6.2 Inserting, removing saw blade

 Do not touch the saw blade immediately following operation of the tool, as it can be extremely hot and can lead to skin burns.

- 1 Pull up lever (6) of saw blade quick-clamping device upwards and hold in this position.
- 2 Insert the saw blade as far as it will go or remove it.
- 3 Release lever (6).
- 4 Check that the saw blade is securely seated.

Note: If a saw blade happens to break off and cannot be removed by hand from the saw blade quick-clamping device, pull up lever (6) and hold. Engage the tip of a saw blade in the broken section and pull it out. A fine-toothed metal saw blade is best suited for this task. See Fig. A, page 3.

Tip: The best possible access to the saw blade quick-clamping device (5) is achieved when it is in its outermost position. If necessary: switch of the machine, press the trigger switch (9) lightly to move the saw blade quick-clamping device into its outermost position.


6.3 Setting the guide

The cutting depth can be limited by shifting the guide (4) (e.g. when sawing in front of a wall).

Occasionally shift the guide (4) to achieve even wear of the saw blade.

- 1 Remove hexagon wrench (2) from its depot (1).
- 2 Release both screws (3) with hexagon wrench.

- 3 Shift guide (4) to desired position.
- 4 Tighten both screws (3) again with hexagon wrench.
- 5 Insert hexagon wrench for safekeeping in its depot.

 Check guide for correct seating.

7 Use

7.1 Switching on and off

Switching on: Press switch-on locking button (8) and hold in; then actuate the trigger (9).

(The switch-on locking button (8) can be pressed from the left and the right machine sides.)

To switch off: release the trigger switch (9).

7.2 Stepless stroke rate setting

The stroke rate can be changed steplessly by varying the pressure applied to the trigger switch (9), thus adapting it to the material and working conditions.

7.3 Working Directions

Sawing:

Use a saw blade geared to the material to be sawn.

Press the machine with the guide (4) against the workpiece. Switch on the machine, and only then guide the saw blade against the workpiece.

Do not make contact with any objects or with the ground with the moving saw blade (danger of recoil and saw blade fracture!)

Adapt the stroke rate to the material to the sawn.

Avoid excessive pressure on the saw blade (particularly in the case of long saw blades).

If the saw blade jams, turn the machine off immediately. Widen the sawn gap slightly with a suitable tool and take out the machine.

After completing the sawing cut, switch off the machine and only take it out of the sawn gap to place it down once the saw blade has come to a standstill (danger of recoil).

Plunge cuts:

Plunge cuts may only be made in soft materials such as wood or plastic. Only use short saw blades.

Hold the machine with both hands at the intended handles, take a secure stance and concentrate on the work.

See Fig. B, page 3: The machine is pressed with the edge of the guide (4) against the workpiece. The saw blade does not make contact with the workpiece. Switch on the machine. The corner of

the guide serves as a pivot point around which the machine is slowly aligned, whereby the saw blade cuts into the workpiece.

8 Tips and Tricks

To saw tight curves: Use narrow saw blades.

Sawing metal: To increase the life of the saw blades, apply cooling lubricant (cooling lubricant rod 6.23443) along the cutting line.

9 Maintenance



Remove the battery pack from the machine before any adjustment or maintenance is carried out.

On a regular basis, use compressed air to blow out the machine through the rear ventilation slots.

Regularly clean the saw blade quick-clamping device (5) and blow out with compressed air. Do not oil or grease.

10 Accessories

Use only genuine Metabo accessories.

If you need any accessories, check with your dealer. For the dealer to select the correct accessory, he needs to know the exact model designation of your power tool.

See page 4.

- A) Comprehensive range of saw blades for a wide variety of materials and use cases
- B) Chargers
- C) Battery packs
- D) Cooling lubrication pin for cooling saw blades when sawing metals.

11 Repairs

Repairs to electrical tools must be carried out by qualified electricians ONLY!

Any Metabo power tool in need of repair can be sent to one of the addresses listed in the spare parts list.

Please enclose a description of the fault with the power tool.

12 Environmental Protection

Metabo's packaging can be 100% recycled.

Scrap power tools and accessories contain large amounts of valuable resources and plastics that can be recycled.

These instructions are printed on chlorine-free bleached paper.

Battery packs must not be disposed of with regular waste! Please return faulty or used battery packs to your Metabo dealer!

Do not throw battery packs into water.

13 Technical Specifications

Explanatory notes on the information on page 2. Changes due to technological progress reserved.

U = Voltage of battery pack

n_0 = Stroke rate at idle speed

s = Stroke length

m = weight (with smallest battery pack)



Wear ear protectors!

The technical specifications quoted are subject to tolerances (in compliance with the relevant valid standards).