



Nothing but **HEAVY DUTY.**[®]



AG 12-115 X
AG 12-125 X1
AGV 12-125 X
AGV 15-125 XC
AGV 15-125 XE

Original instructions

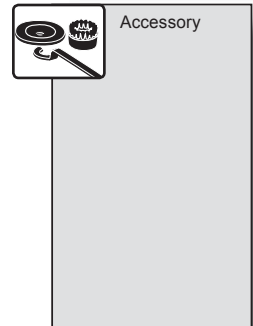
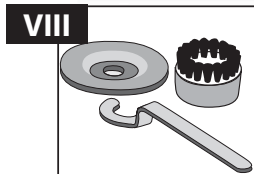
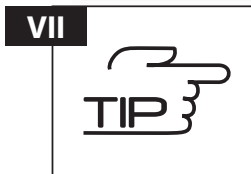
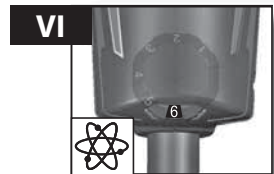
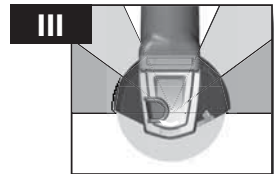
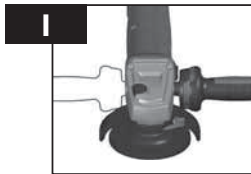


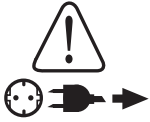
Important!

It is essential that you read the instructions in this manual before operating this machine.

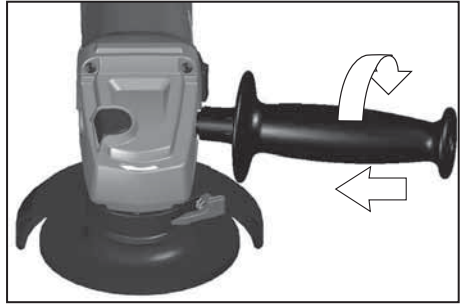
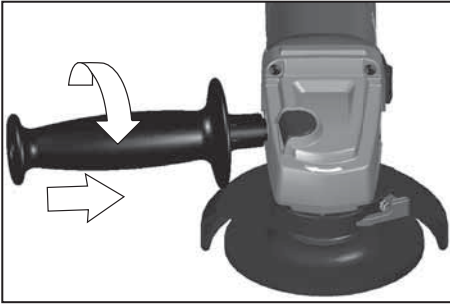
Subject to technical modifications.



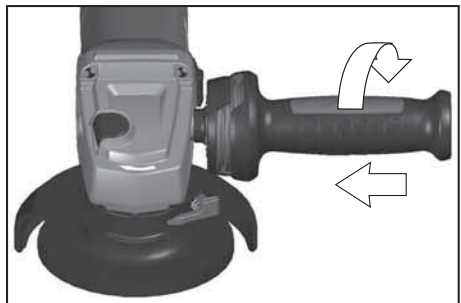
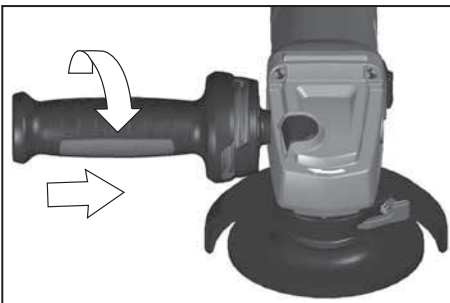
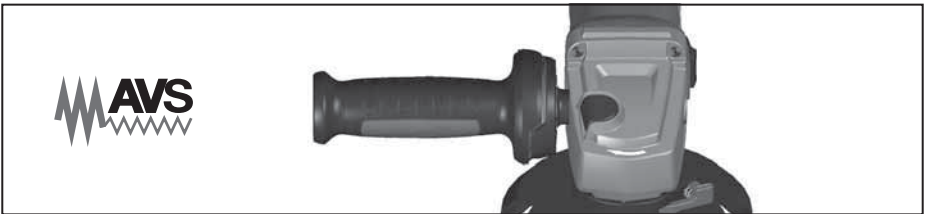


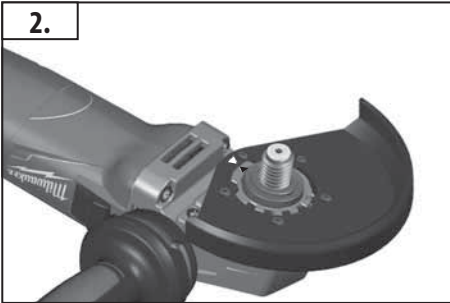
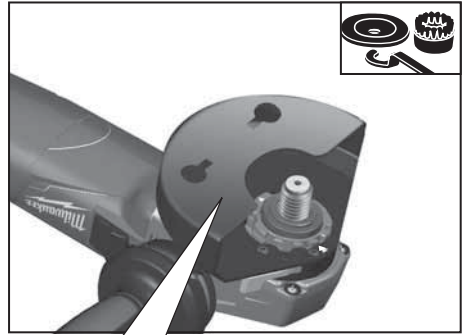
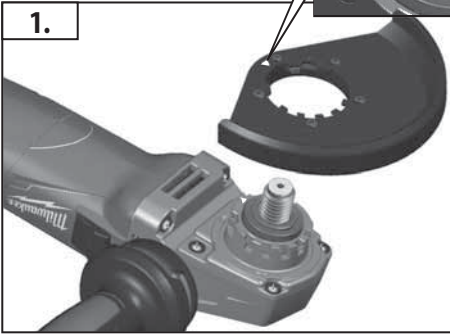
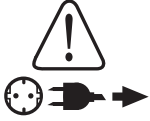


AG 12-115 X, AG 12-125 X1

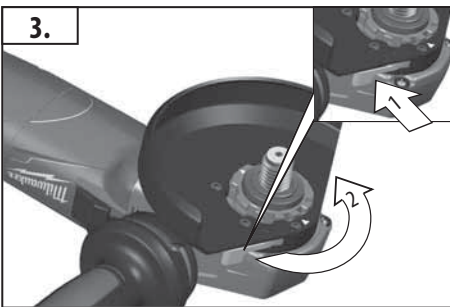


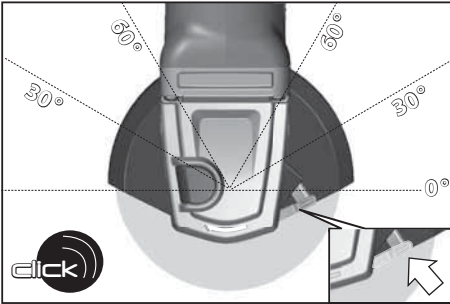
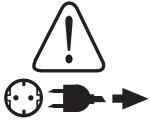
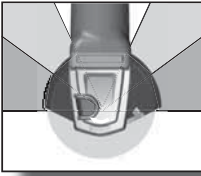
AGV 12-125 X, AGV 15-125 XC, AGV 15-125 XE





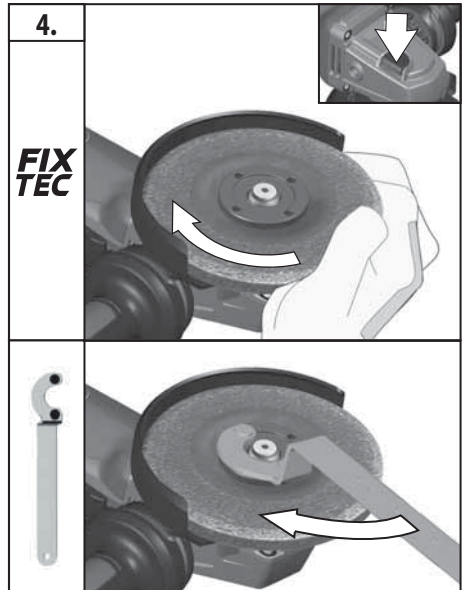
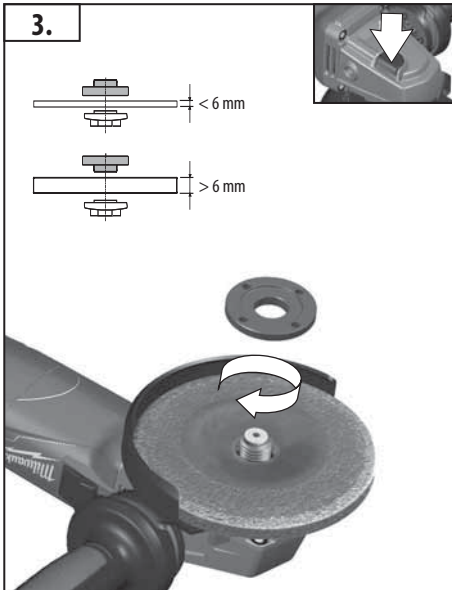
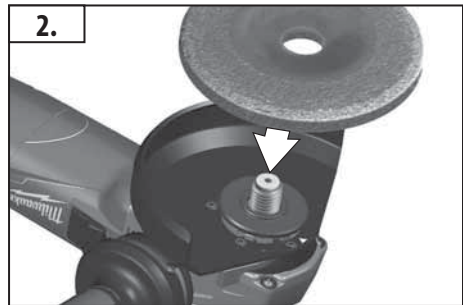
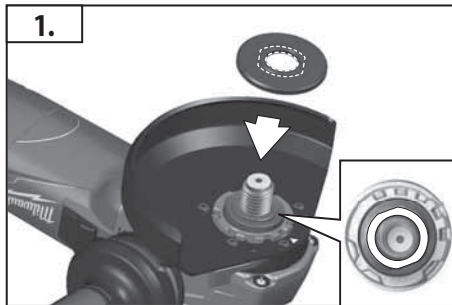
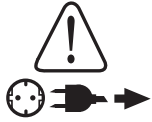
For cutting and separating use closed style protection guard. Available as an accessory (Part No: 301272014 for 5" Cutting Guard)





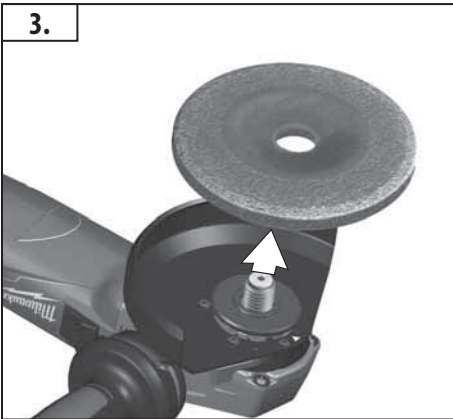
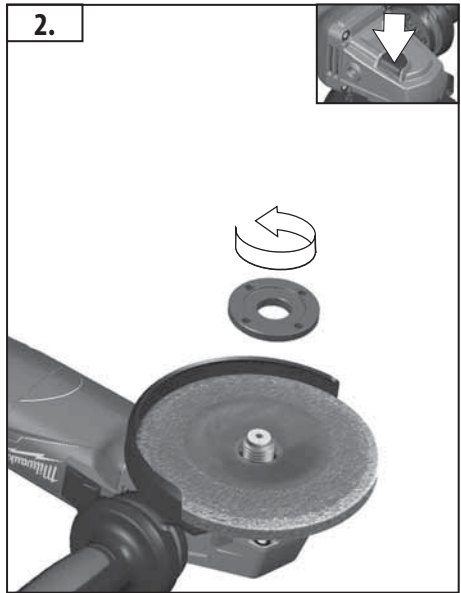
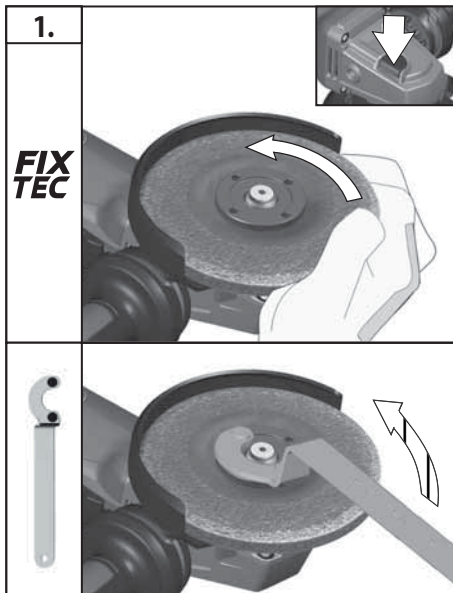
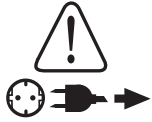


**FIX
TEC**



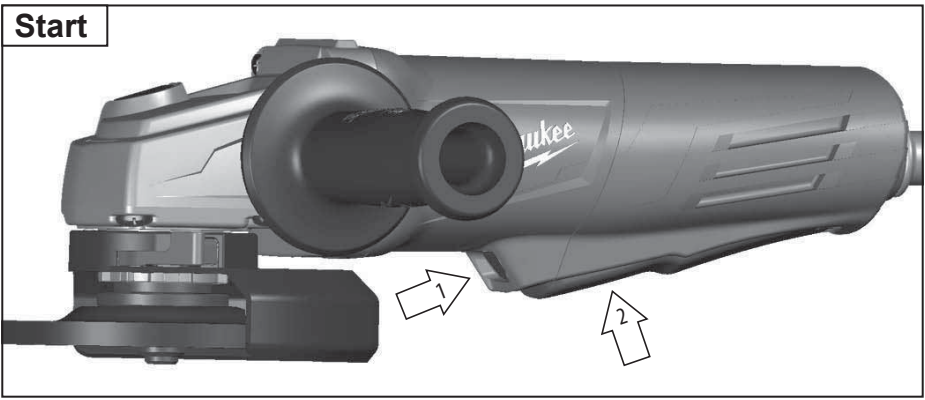


**FIX
TEC**

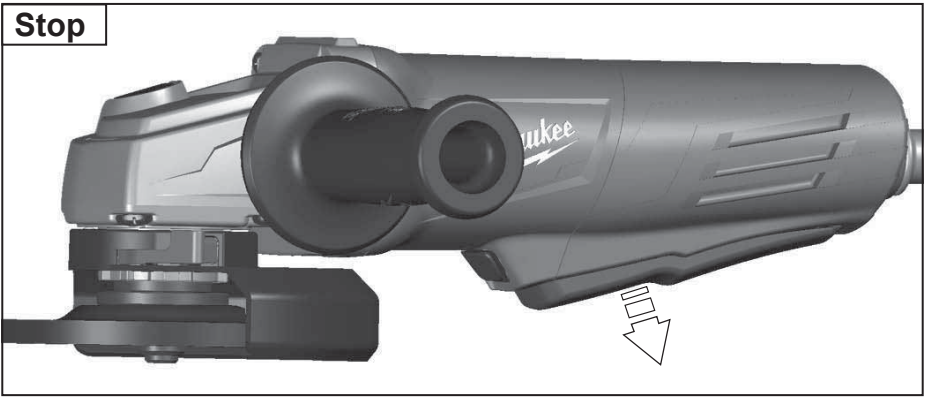




AG 12-115 X



START
STOP



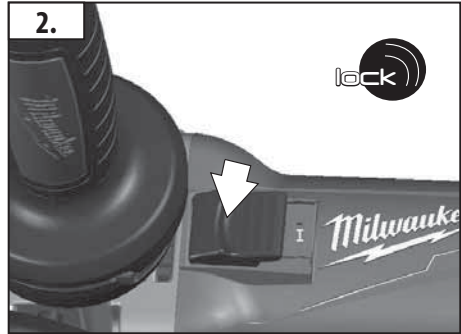


START
STOP

AG 12-115 X
AG 12-125 X1
AGV 12-125 X
AGV 15-125 XC
AGV 15-125 XE

START
STOP
<

Start



Stop





AGV 12-125 X
AGV 15-125 XC
AGV 15-125 XE

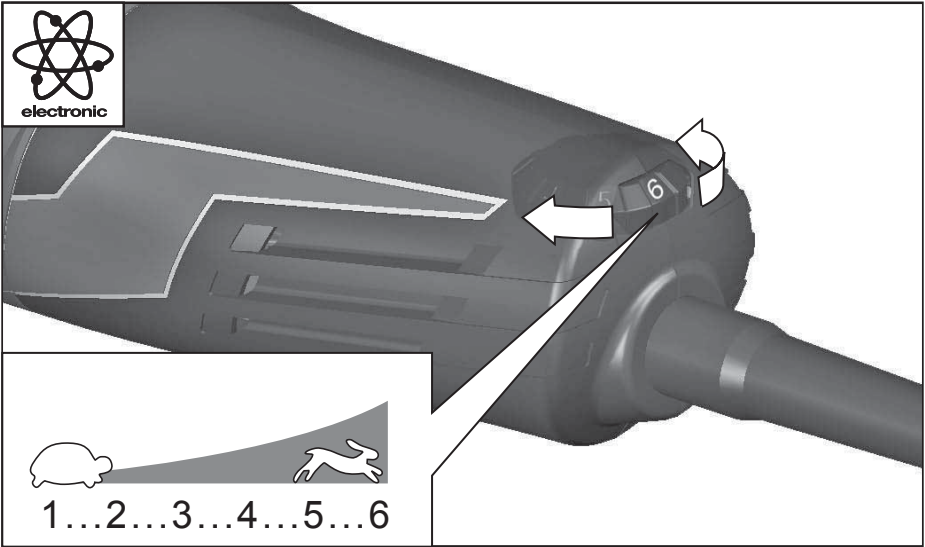
Startup protection:

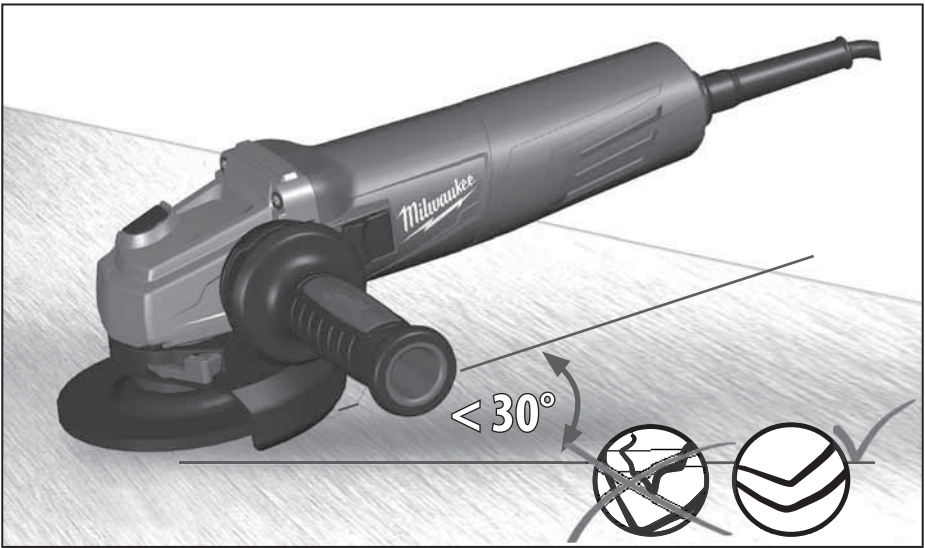
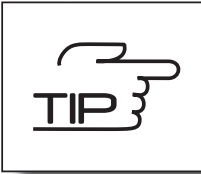
The tool will not restart after an interruption of the mains supply without releasing and reactivating the switch.

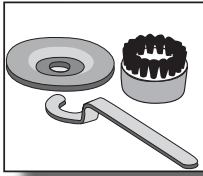




AGV -125 XE

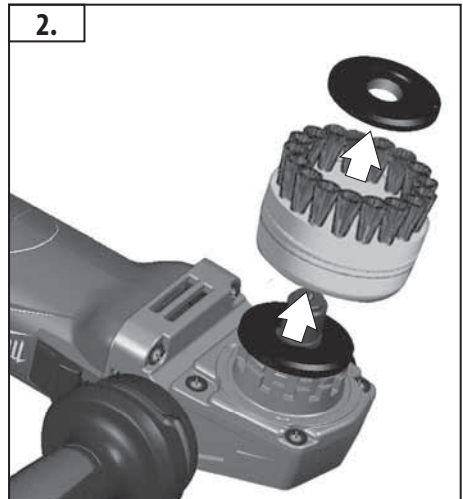
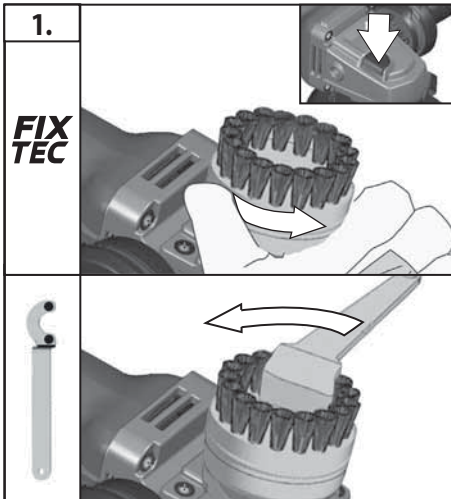
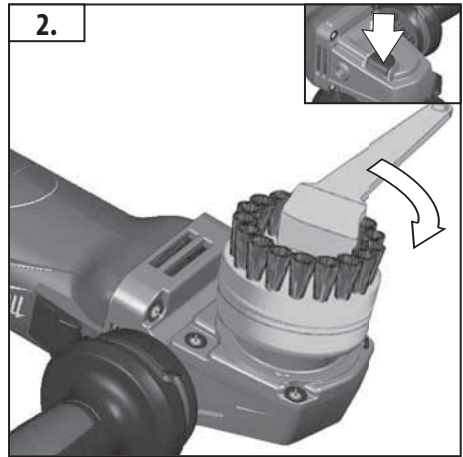
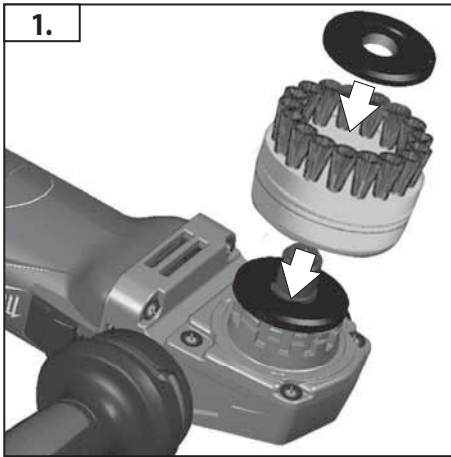
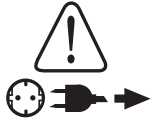


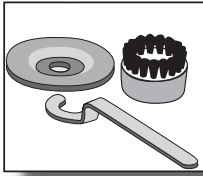




Accessory

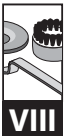
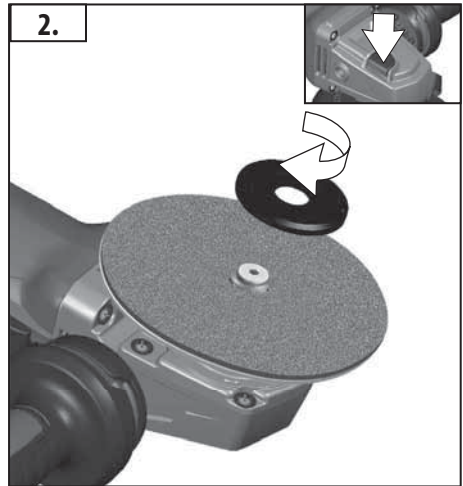
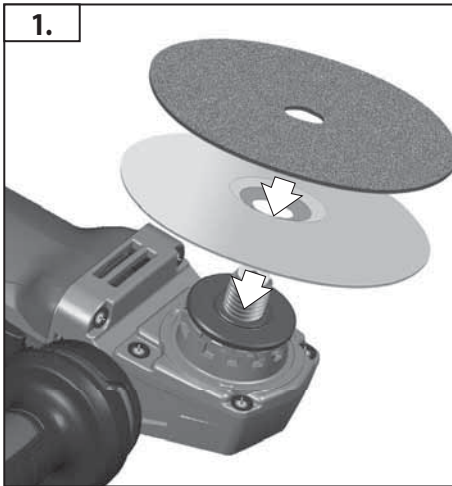
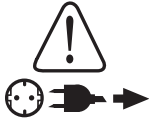
**FIX
TEC**



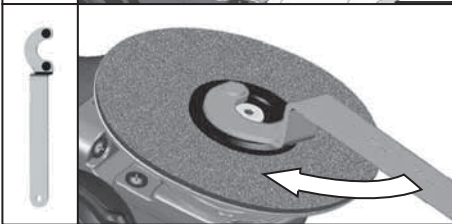
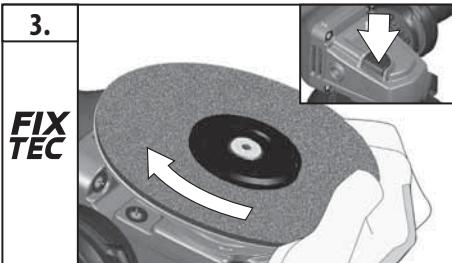


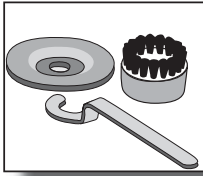
Accessory

**FIX
TEC**



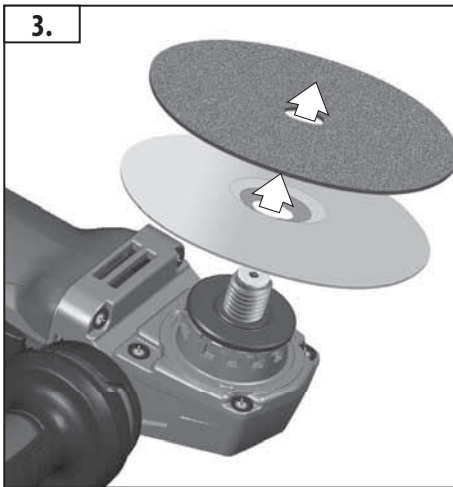
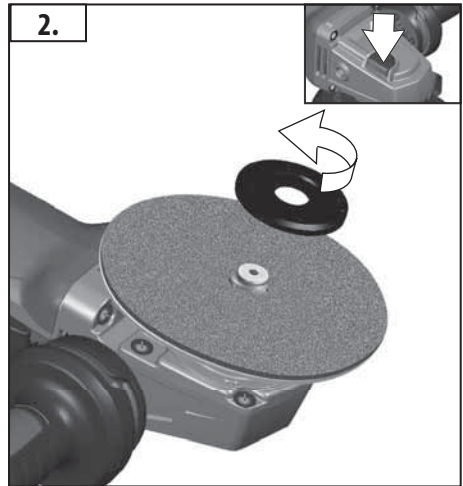
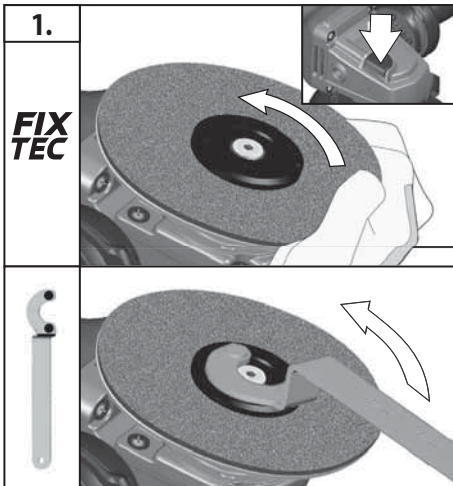
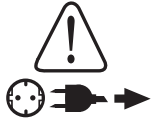
VIII





Accessory


**FIX
TEC**



	AG 12-115 X	AG 12-125 X1
	220 - 240 V	220 - 240 V
Rated input	1200 W.....	1200 W
Rated speed	11000 min ⁻¹	11000 min ⁻¹
Grinding disk diameter.....	115 mm.....	125 mm
Thread of work spindle.....	M 14.....	M 14
Weight according EPTA-Procedure 01/2003	2,3 kg.....	2,3 kg

	AGV 12-125 X	AGV 15-125 XC	AGV 15-125 XE
	220 - 240 V	220 - 240 V	220 - 240 V
Rated input	1200 W.....	1550 W.....	1550 W
Rated speed	11000 min ⁻¹	11000 min ⁻¹	2800 - 11000 min ⁻¹
Grinding disk diameter.....	125 mm.....	125 mm.....	125 mm
Thread of work spindle.....	M 14.....	M 14.....	M 14
Weight according EPTA-Procedure 01/2003	2,4 kg.....	2,6 kg.....	2,6 kg



 **WARNING!** Read all safety warnings and all instructions, including those given in the accompanying brochure. 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.

SAFETY INSTRUCTIONS

Safety Warnings Common for Grinding, Sanding, Wire Brushing or Abrasive Cutting-Off Operations:

- a) This power tool is intended to function as a grinder, sander, wire brush or cut-off tool. Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
- b) Operations such as polishing are not recommended to be performed with this power tool.** Operations for which the power tool was not designed may create a hazard and cause personal injury.
- c) Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** Just because the accessory can be attached to your power tool, it does not assure safe operation.
- d) The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** Accessories running faster than their rated speed can break and fly apart.
- e) The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** Incorrectly sized accessories cannot be adequately guarded or controlled.
- f) Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange.** Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
- g) Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** Damaged accessories will normally break apart during this test time.
- h) Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments.** The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- i) Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- j) Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a „live“ wire may make exposed metal parts of the power tool „live“ and could give the operator an electric shock.
- k) Position the cord clear of the spinning accessory.** If you lose

control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.

l) Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.

m) Do not run the power tool while carrying it at your side.

Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.

n) Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.

o) Do not operate the power tool near flammable materials. Sparks could ignite these materials.

p) Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

Kickback and Related Warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a) Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.

b) Never place your hand near the rotating accessory. Accessory may kickback over your hand.

c) Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.

d) Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

e) Do not attach a saw chain woodcarving blade or toothed saw blade. Such blades create frequent kickback and loss of control.

Safety Warnings Specific for Grinding and Abrasive Cutting-Off Operations:

a) Use only wheel types that are recommended for your power tool and the specific guard designed for the selected wheel. Wheels for which the power tool was not designed cannot be adequately guarded and are unsafe.

b) The grinding surface of the centre depressed wheels must be mounted below the plane of the guard lip. An improperly mounted wheel that projects through the plane of the guard lip cannot be adequately protected.

c) The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator. The guard helps to protect the operator from broken wheel fragments, accidental contact with wheel and sparks that could ignite clothing.

d) Wheels must be used only for recommended applications.

For example: do not grind with the side of cut-off wheel.

Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.

e) Always use undamaged wheel flanges that are of correct size and shape for your selected wheel. Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage. Flanges for cut-off wheels may be different from grinding wheel flanges.

f) Do not use worn down wheels from larger power tools. Wheel intended for larger power tool is not suitable for the higher speed of a smaller tool and may burst.

Additional Safety Warnings Specific for Abrasive Cutting-Off Operations:

a) Do not “jam” the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut. Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.

b) Do not position your body in line with and behind the rotating wheel. When the wheel, at the point of operation, is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.

c) When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur. Investigate and take corrective action to eliminate the cause of wheel binding.

d) Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut. The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.

e) Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback. Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.

f) Use extra caution when making a “pocket cut” into existing walls or other blind areas. The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.

Safety Warnings Specific for Sanding Operations:

a) Do not use excessively oversized sanding disc paper. Follow manufacturers recommendations, when selecting sanding paper. Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.

Safety Warnings Specific for Wire Brushing Operations:

a) Be aware that wire bristles are thrown by the brush even during ordinary operation. Do not overstress the wires by applying excessive load to the brush. The wire bristles can easily penetrate light clothing and/or skin.

b) If the use of a guard is recommended for wire brushing, do not allow any interference of the wire wheel or brush with the guard. Wire wheel or brush may expand in diameter due to work load and centrifugal forces.

Additional Safety and Working Instructions

Appliances used at many different locations including open air should be connected via a residual current device (FI, RCD, PRCD) of 30mA or less.

Sawdust and splinters must not be removed while the machine is running.

Only plug-in when machine is switched off.

Never reach into the danger area of the machine when it is running. Always use the auxiliary handle.

For cutting, or separating materials use a closed protection guard. Available as an accessory (Part No: 301272014 for 5” Cutting Guard). Immediately switch off the machine in case of considerable vibrations or if other malfunctions occur. Check the machine in order to find out the cause.

Always use and store the grinding disks according to the manufacturer's instructions.

When grinding metal, flying sparks are produced. Take care that no persons are endangered. Because of the danger of fire, no combustible materials should be located in the vicinity (spark flight zone). Do not use dust extraction.

Due care should be taken that no sparks or sanding dust flying from the workpiece come into contact with you.

When separating stone a guide shoe must be used. (Guide not included) The adjusting nut must be tightened before starting to work with the machine.

The workpiece must be fixed if it is not heavy enough to be steady. Never lead the workpiece to the grinding disk with your hand.

Under extreme conditions (e.g. smooth-grinding metals with the arbour and vulcanized fibre grinding wheel), significant contamination can build up on the inside of the angle grinder. For safety reasons, in such conditions the inside should be cleaned thoroughly of metal deposits and a motor circuit-breaker must be connected in series. If the motor circuit-breaker trips the machine must be sent for repair.

For accessories intended to be fitted with threaded hole wheel, ensure that the thread in the wheel is long enough to accept the spindle length.

Use the safety guard from the accessories range when performing out cutting work.



SPECIFIED CONDITIONS OF USE

The angle grinder may be used for cutting, grinding, sanding and wire brushing a wide range of materials, such as metal or stone. If you have any doubts, please refer to the instructions supplied by the accessory manufacturer.

Do not use this product in any other way as stated for normal use.

MAINS CONNECTION

Connect only to single-phase AC supply and only to the system voltage indicated on the rating plate.

MAINTENANCE

The ventilation slots of the machine must be kept clear at all times. Do not let any metal parts enter the airing slots - danger of short circuit!

Use only Milwaukee accessories and Milwaukee spare parts. Should components need to be replaced which have not been described, please contact one of our Milwaukee service agents (see our list of guarantee/service addresses).

If supply cord is damaged, it must be replaced by the manufacturer, its service agent or similar qualified persons in order to avoid a hazard.

If needed, an exploded view of the tool can be ordered. Please state the Article No. as well as the machine type printed on the label and order the drawing at your local service agents or directly from Milwaukee Australia (Toll Free Telephone Number 1300 361 505 Email Milwaukee@ttibrands.com.au) or Milwaukee New Zealand (Toll Free Telephone Number 0800 279 624 Email Milwaukee@ttibrands.com.au).



ELECTRONICS

AGV 12-125 X, AGV 15-125 XC, AGV 15-125 XE

Electronic smooth start for safe use prevents jerky run-up of the machine.

A zero-voltage switch prevents the machine from restarting after a power failure. On resuming work, switch the machine off and then back on again.

The machine has an overload and anti-kickback safety function and stops if it is overloaded. Please note that the machine will automatically accelerate back to its original operating speed if the load is removed from it. After it has reached its operating speed the machine is ready for use again.

AGV 15-125 XC, AGV 15-125 XE

The built-in electronics will keep a constant speed even under increased load. In case of overload, the rotational speed will be reduced to standstill.

SYMBOLS



Please read the instructions carefully before starting the machine.



CAUTION! WARNING! DANGER!



Always wear goggles when using the machine.



Always disconnect the plug from the socket before carrying out any work on the machine.



Accessory - Not included in standard equipment, available as an accessory.



Do not dispose of electric tools together with household waste material! In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.



Class II tool Tool in which protection against electric shock does not rely on basic insulation only, but in which additional safety precautions, such as double insulation or reinforced insulation, are provided. There being no provision for protective earthing or reliance upon installation conditions.



Regulatory Compliance mark (RCM). This product meets applicable regulatory requirements.



WARRANTY - AUSTRALIA and NEW ZEALAND

Please refer to Australian and New Zealand warranty supplied with tool. This warranty applies only to product sold in Australia and New Zealand.

**AUSTRALIA AND NEW ZEALAND
MILWAUKEE® Service**

MILWAUKEE® prides itself in producing a premium quality product that is Nothing But Heavy Duty®. Your satisfaction with our products is very important to us! If you encounter any problems with the operation of this tool, please contact your authorised MILWAUKEE® dealer.

For a list of MILWAUKEE® dealers, guarantee or service agents please contact MILWAUKEE® Customer Service or visit our website.

(Australia Toll Free Telephone Number 1300 361 505)

(New Zealand Toll Free Telephone Number 0800 279 624) or visit www.milwaukeetools.com.au / www.milwaukeetools.co.nz.

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