BRUSHLESS ANGLE GRINDER

AST-125 PRO AST-125 PRO SC

Instructions

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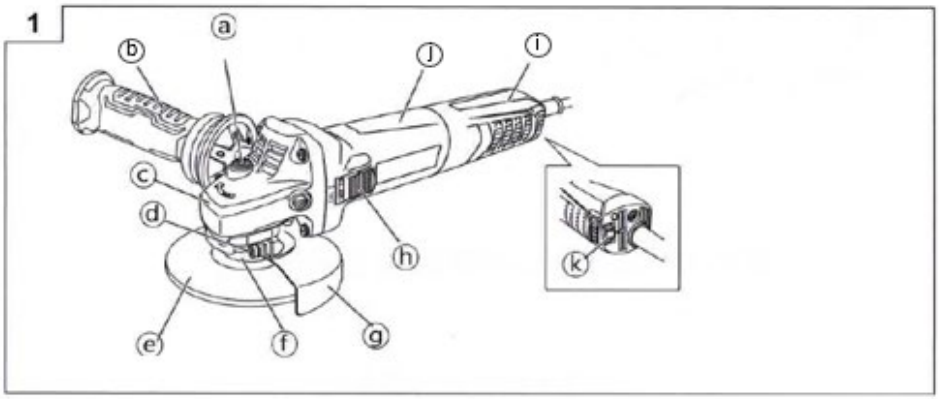
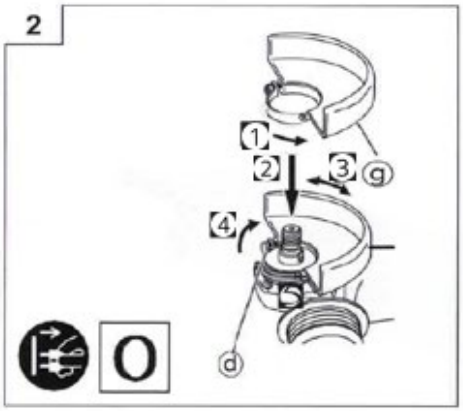
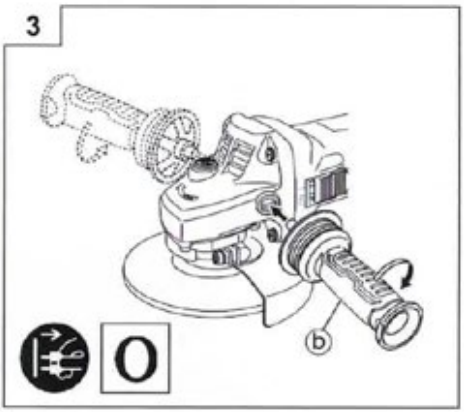
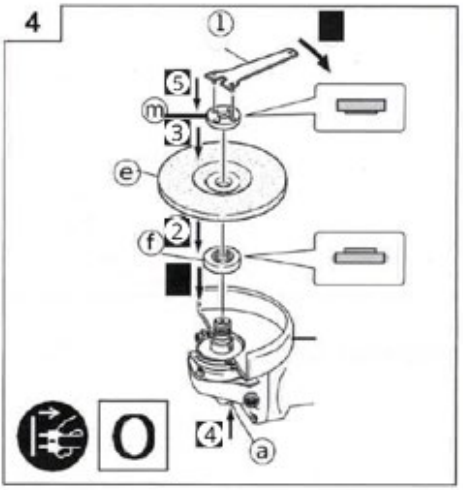
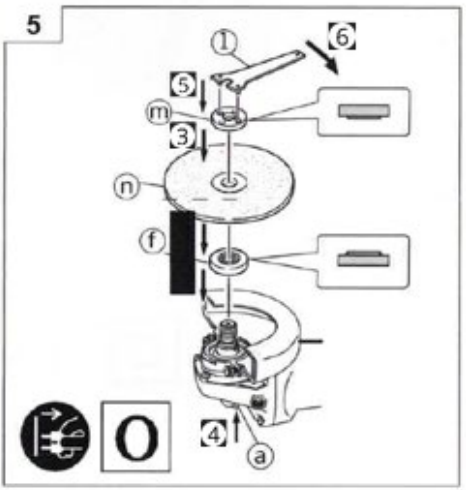
Instruction manual











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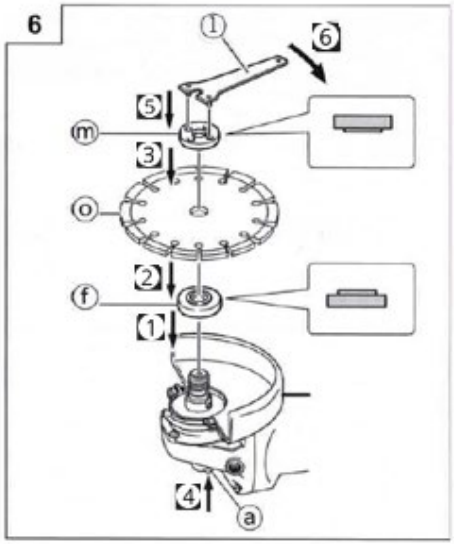

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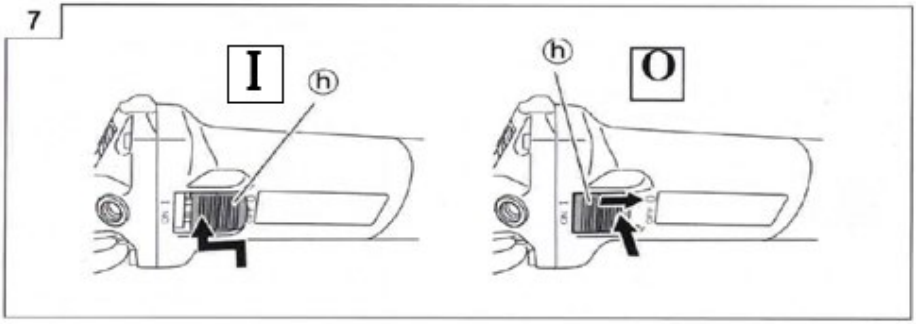

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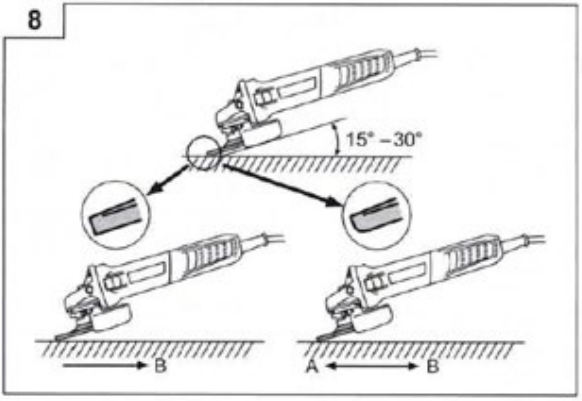

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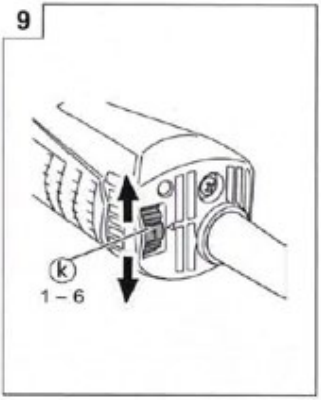

COMMON SAFETY WARNINGS FOR ABRASIVE GRINDING OR CUTTING OPERATIONS

Attention :

When using the apparatus, you have to respect some security measures in order to avoid injuries and damages.
Please then read attentively these instructions. Keep them well as so as to be able to dispose them every time. If the apparatus must be delivered to somebody, deliver him these instructions also. We decline all reponsibility for accidents and damages due to the non-respect of these instructions and security orders.
Never entrust the machine to anyone who has not read the instructions. - This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or by persons lacking experience or knowledge, unless they have been given prior supervision or instructions concerning use of the machine by a person responsible for their safety. Do not use the machine if you are tired or ill. Do not use the machine if you have been drinking alcoholic beverages or taking medication.

a) This machine is designed to operate as a grinder or cutting tool. Read all warnings, instructions, illustrations, and safety specifications provided with this electric machine. Failure to follow the instructions listed below may result in electric shock, fire and/or serious injury.

b) It is not recommended to use this machine for operations such as sanding, brushing, or polishing.
Operations for which the machine was not designed may present a risk and cause injury.
Do not use accessories that are not specifically designed and recommended by the machine manufacturer. The fact that the accessory can be attached to your electric machine does not guarantee safe operation.
The rated speed of the accessory must be equal to the maximum speed indicated on the electric machine. Attachments operating at a higher speed than their rated speed can break and wear out.
The outside diameter and thickness of your attachment must be within the rated capacity of your machine.
Incorrectly sized attachments cannot be adequately protected or controlled.

c) The threaded mounting of accessories must match the thread of the grinder shaft. Of the grinder spindle. For flange-mounted accessories, the spindle hole of the accessory must match the positioning diameter of the flange.
Attachments that do not match the machine's mounting hardware will be unbalanced, vibrate excessively, and may cause loss of control.
Do not use a damaged attachment. Before each use, inspect accessories such as grinding wheels for chips or cracks, backing pad for cracks, tears or excessive wear, wire brush for looseness or damage.

If the tool or attachment falls off, check for damage or install an undamaged attachment.
After inspecting and installing an attachment, move yourself and bystanders away from the plane of the rotating attachment and run the machine at maximum idle speed for one minute.
Damaged attachments will normally break during this test.

d) Wear personal protective equipment. Depending on the application, use a face mask, safety glasses or goggles. Depending on the application, wear a dust mask, hearing protection, gloves, and a shop apron capable of stopping small fragments of abrasive or parts.
Eye protection should be capable of stopping flying debris generated by the various operations. Dust mask or respiratory protection must be able to filter out parts of the workpiece.
Prolonged exposure to high intensity noise can cause hearing loss.

e) Keep bystanders at a safe distance from the work area. Anyone entering the work area should wear personal protective equipment.
Fragments of a broken part or accessory can fly off and cause injury beyond the immediate work area.

f) Hold the power tool by the insulated gripping surfaces only, when performing an operation where the cutting attachment may meet hidden cables or wires.
A cutting attachment in contact with a live wire can cause exposed metal parts of the power tool to become energized and give the user an electric shock.

g) Keep the cord away from the cutting attachment.
If you lose control of the tool, the cord can get caught and your hand or arm can be pulled into the rotating attachment.
Never put the power tool down until the attachment has come to a complete stop.
Do not operate the power tool with it at your side.
Accidental contact with the rotating attachment could catch on your clothing and may result in serious injury.

h) Clean the power tool vents regularly.
The motor fan sucks dust from inside the housing and causes an excessive build-up of metal powder which can lead to electrical hazards.

i) Do not use the power tool near flammable materials. Sparks could ignite these materials.
Do not use accessories that require coolants. The use of water or other coolants may result in electric shock or shock hazard.

REBOUND AND OTHER RELATED WARNINGS

Rebound is a sudden reaction to a rotating wheel, support pad, brush or other pinched or snagged accessory. Pinching or snagging causes the rotating accessory to lock up quickly,

forcing the uncontrolled power tool in the opposite direction to the rotation of the accessory to the point of snagging.
For example, if an abrasive wheel is caught or pinched by the workpiece, the edge of the wheel entering the pinch point may dig into the surface of the material, causing the wheel to jump or move away. The wheel may jump, depending on the direction of wheel movement at the nip.
Abrasive wheels can also break under these conditions.

Kickback is the result of improper power tool operation and/or incorrect operating procedures or conditions and can be avoided by taking the appropriate precautions listed below.
Maintain a firm grip on the power tool and position your body and arm to resist kickback forces. Always use the auxiliary handle, if provided, to maximise control of the kickback or torque reaction when starting the ring.
The operator can control torque reactions or rebound forces. If proper precautions are taken.
Never place your hand near the rotating attachment. The attachment could bounce off your hand.

j) Do not place your body in the area where the power tool will move if kickback occurs.
The tool will move if kickback occurs.
The kickback may propel the tool in the opposite direction to the movement of the wheel to the catch point.
Be especially careful when working in corners, on sharp edges, etc. Avoid bouncing and catching the attachment.
Corners, sharp edges or bounces tend to catch the rotating attachment and cause loss of control or kickback.
Do not attach a chainsaw blade for carving wood or a toothed saw blade.
These blades frequently cause kickback and loss of control.

SAFETY WARNINGS SPECIFIC TO ABRASIVE GRINDING AND CUTTING OPERATIONS

Use only the types of wheels recommended for your power tool and the specific guard designed for the selected wheel.
Wheels for which the power tool is not designed cannot be adequately protected and are dangerous.

a	Push button	i	Tail cover
b	Side handke	j	Housing
c	Gear cover	k	Dial
d	M5 screw	l	Wrench
e	Depressed center wheel	m	Wheel nut
f	Wheel washer	n	Cutting wheel
g	Wheel guard	o	Diamond wheel
h	Switch		

SYMBOLS

The followings show symbols used for the machine.
Be sure that you understand their meaning before use.

	Disc Grinder
	To reduce the risk of injury, user must read instruction manual
	Wear the equipment of the individual protection, ear-protect, helmet, glove, safety shoes, breathing protection etc
	This product is in force with the accordance of the EC directives
	Security instruction to be respected imperatively

APPLICATIONS

o Removal of casting fin and finishing of various types of steel, bronze and aluminum materials and castings.
o Grinding of welded sections or sections cul by means of a cutting torch.
o Grinding of synthetic resins, slate, brick, marble, etc.
o Cutting of synthetic concrete, stone, brick, marble, and similar materials.

SPECIFICATIONS

Model		AST 125 PRO SC	AST 125 PRO
Voltage (by areas)		230V~	230V~
Power Input		~1400 W	~1400 W
Max Power		2400 W	2400 W
Rated speed		10000 min-1	10000 min-1
Wheel	Outer dia.	125 mm	125 mm
	Hole	M15	M15
Weight		2,3 kg	2.3 kg

	Always wear eye protection.
	Only for EU countries 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.
V	Rated voltage
~	Alternating current
n	Rated speed
min-1	Revolution or reciprocations per minute
	Switching ON
	Switching OFF
	Disconnect mains plug from electrical outlet
	Warning
	Class II tool

NOTE

Due to continuing program of research and development, the specifications herein are subject to change without prior notice.

MOUNTING AND OPERATION

Action	Figure
Fitting and adjusting the wheel guard	2
Fixing the side handle	3
Assembling depressed center wheel	4
Assembling cuttig wheel	5
Assembling diamond wheel	6
Switch operation	7
Grinding angle and grinding method	8
Adjusting the number of revolution*	9
Selecting accessories	-

• Adjusting the number of revolution

This model is equipped with an electronic infinite-variable-speed drive and can change the number of revolution according to a use.

If you tum and set the dial scale **{Fig. 8)** to 6, the number of revolution increases, and if you turn and set il to 1, the number of revolution decreases.

Before use, set the number of revolution using the dial. Ln so doing, refer to the following table as a rough guide.

Dial	Use	Tools
1	Polishing, finishing	Radial grinding disc
2	Removal of paint or coat	Sanding disc
3	Removal of rust	
4	Removal of burrs	
5	Grinding	Depressed center wheel
6	Rough grinding Cutting	Depressed center wheel Diamond wheel

NOTE

Use caution not to turn the dia! scale to any value below 1 or above6.

MAINTENANCE AND INSPECTION

1. inspecting the depressed center wheel
Ensure that the depressed center wheel is free of cracks and surface defects.
2. inspecting the mounting screws
Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.
3. Replacing supply cord
If the replacement of the supply cord is necessary, it has to be done by Authorized Service Center to avoid a safety hazard.

4. Maintenance of the motor
WARNING
Always wear protective goggles and dust respirators when blowing air from the tail cover air hole with the use of an air gun, etc.
Failure to observe this may result in ejected dust being inhaled or entering your eyes.
The motor unit winding is the very "heart" of the power tool.
Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.

NOTE
When work has been finished, blow air containing no moisture from the tail cover air hole with the use of an air gun, etc., while running the motor without any load applied. This is effective in removing any dirt and dust that has accumulated. Dirt and dust collecting inside the
motor may result in malfunctions.

CAUTION
In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

Guarantee

In addition to the legal provisions in force (articles L217-3 to L217-20 of the Consumer Code and articles 1641 to 1649 of the Civil Code), we grant a 12-month warranty for the AST 125 PRO SC or AST 125 PRO grinder. from the date of delivery.
During this period, we will remedy all parts and manufacturing defects free of charge. Normal wear and tear, overloads, non-compliance with the instructions for use, the intervention of unauthorized persons or the use of parts and tools of another origin exclude any warranty.

Declaration of Conformity

(Guideline 2006/42/EG, IIA)

Manufacturer: Astillo

Address: 2 rue du Stade 67160 STEINSELTZ
Name: Hand milling machine

Type : AST 125 PRO SC – AST 125 PRO

We declare, under our sole responsibility, that this product complies with the following standards or normative documents: EN 60745-2-3:2011+A2:2013+A11:2014+A 12:2014+A13:2015+EN 60745- 1:2009 1 A11:2010+EN55014-1:2017+EN55014-2:2015+61000-3-2:2014+EN61000-3-3:2013 in accordance with the requirements of directives: 2004/108/EC, 2006/42 /EG, 2014/30/EU, 2011/65/EU.

Noise measurement according to EN60745-1:2009:
Sound pressure level value LPA = 83.6 dB(A)
Uncertainty KPA = 3 dB(A)
Sound power level value LWA = 94.6 dB(A)
Uncertainty KWA = 3 dB(A)

Vibration measurement according to EN60745-2-3:2011
Vibration level (absolute vibration value, vector sum of 3 axes) ah,AG = 9.5 m/s²
Uncertainty K = 1.5 m/s
The vibration values mentioned in this manual are in accordance with the measurement methods of standard EN60745. They can be used to compare different tools. These methods are also valid for evaluating the vibration rate linked to a workload. The vibration levels shown are measured with a grinding disc. If another abrasive is fitted to the grinder the values will be different, in most cases the value will be lower. To independently assess vibration exposure, additional measures must be taken. However, if the grinder is used with the wrong accessory or not properly held, vibrations may increase. For a correct assessment of vibrations over a given period, it is also necessary to consider the periods when the tool is off. This can significantly reduce the level of vibration over the entire time worked. Other safety recommendations must be taken to protect the operator from the impact of vibrations, for example, maintenance of the tool and accessories, protective equipment, organization of the work to be carried out.

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Steinseltz, 13.09.2021

J. Ehringfeld, Manager

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