POWER TOOLS
Ideally Advanced, Always!

IMPROVED QUALITY IDEAL POWER TOOLS

The Most Trusted Brand of ASIA

MADE IN CHINA

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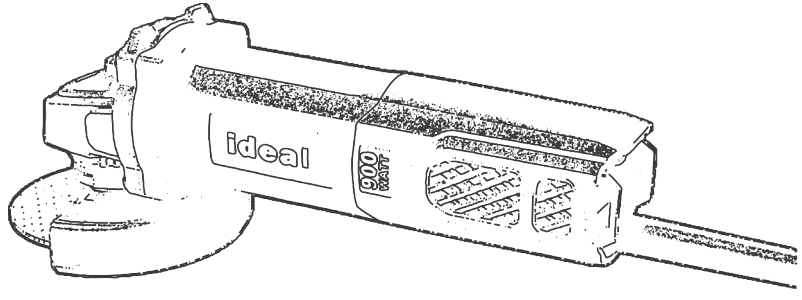
Ideally Advanced, Always!

ANGLE GRINDER
ID AG912

Part No.: 28827

OPERATION INSTRUCTIONS



Read though carefully and understand these Instructions before use.

Safety Instructions

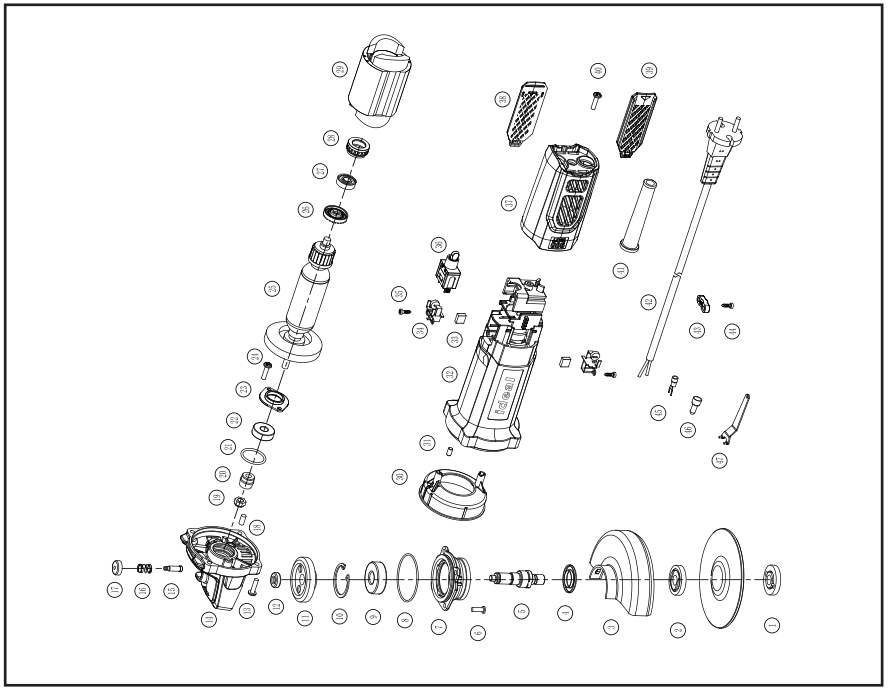
When using power tools,always observe the safety reaulations applicable in your country to reduce the risk of fire,electric shock and personal injury.
Read the following safety instructions before attempting to operate this product.Keep these instructions in a safe place!

General

Keep work area clean. Cluttered areas and benches can cause accidents.
Consider work area environment. Do not expose power tools to high humidity or rain. Keep work area well lit.Do not use power tools
in the presence of flammable liquids or gase.
Guard against electric shock.Prevent body contact with earthed surfaces(e,g. pipes,radiators,cookers and refrigerators).
Keep children away. Do not let children come into contact with the tool or extension cord. Keep all people away from the work area.
Extension cords for outdoor use. When the tool is used outdoors, always use extension cords intended for outdoor use and marked accordingly.
Store idle tools. When not n use,power tools must be stored in a dry place and locked up securesy,out of reach of children.
Dress properly. Do not wear loose clothing of jewellery.They can be caught in moving parts. Preferably wear rubber gloves and non- slipfootwear when working outdoors. Wear protective hair covering to keep long hair out of the way.
Wear safety goggles. Also use a face or dust mask n case the operations produce dust of flying particles.
Be aware of maximum sound pressure. Take appropriate measures for the protection of hearing if the sound pressure of 85dB(A)is exceeded.
Secure workplece.Use clamps or a vice to hold the workpiece.It is safer and it frees both hands to operate the tool.
Do not overreach.Keep proper footing and balance at all times.
Avoid unintertonal starting. Do not carry the plugged-in tool with a finger on the switch. Be sure that the weitch is released when plugging in.
Stay alert Watch what you are doing. Use common sense. Do not operate the tool when you are tired.
Disconnect tool. Shut off power and wait for the tool to come to a
complete standstill before leaving it urnattended. Unplug the tool when
not in use, before servicing or changing accessories.
Remove adjusting keys and wrenches. Always check that adjusting
keys and wrenches are removed from the tool before operating the toot.
Use appropriate tool. Do not force small tools or attachments to do
the job of a heavy-duty tool. The tool will do the job better and safer at
the rate for which it is intended. The use of any accessorios or
attachments other than the ones recommended in this instruction
manual may induce a risk of personal injury.
Do not abuse cord. Never carry the tool by its cord or pull it to disconnect from the socket. Keep the cord away from heat, oil andsharp edges.
Maintain tools with care. Keep tools in good condition and clean for better and safer performance. Follow the instructions for maintenance and changingaccessones.
Inspect tool cords at regular intervals and,if damaged, have them repaired by an authorised Repair Agent Inspect extension cords periodically and replace them if damaged. Keep all controls dry, clean and free from oil and grease.
Check damaged parts. Before using the tool, carefully check it for
damage to ensure it will operate property and perform its intended
function. Check for misalignment and seizure of moving parts,
breakage of parts and any other conditions that may affect its
operation. Have damaged guards or other defective parts repaired of
replaced as instructed. Do not use the tool if the switch is defective.
Have the switch riptaced by an authorised Repair Centre.
Have your tool repaired by an autttorised Repair Centre.
This power tool is in accordance with the relevant safety regulations.
To avoid danger, electric appliances must only be repaired by qualified technicians.

memorandum

1	OUTER FLANGE	25	ARMATURE
2	INNER FLANGE	26	INSULATION WASHER
3	WHEEL GUARD	27	607 BEARING
4	SPINDLE DUSTPROOOF WASHER	28	607 BEARING SLEEVE
5	SPINDLE	29	STATOR
6	M4*14 SCREW	30	BAFFLE PLATE
7	BEARING HOLDER	31	SHOCKPROOF COLUMN 4.5*8
8	O-RING 45*1.5	32	MOTOR HOUSING
9	6201 BEARING	33	CARBON BRUSH
10	CIRCLIP FOR HOLE 32	34	BRUSH HOLDER WITH COIL SPRING
11	GEAR	35	ST2.9*8 SCREW
12	696 BEARING	36	SWITCH
13	ST4.2*20 SCREW	37	REAR COVER
14	GEAR BOX	38	DUST-PROOF NET-RIGHT
15	LOCK PIN	39	DUST-PROOF NET-LEFT
16	LOCK SPRING	40	ST4.2*12 SCREW
17	LOCK CAP	41	CORD GUARD
18	WOOL COLUMN 4.8*10	42	CABLE
19	M6 NUT	43	STRAIN RELIEF
20	PINION	44	ST4.2*16 SCREW
21	O-RING 22*26*2	45	FORK CONNECTOR RED
22	608 BEARING	46	3# WIRING CAP
23	608 BEARING RETAINER	47	WRENCH
24	M4*12 SCREW		



Angle Grinder

Package Contents

This oackage contains:
Angle Grinder

1 Handle
1 Wheel guard
1 Inner flange
1 Outer flange
1 Grinding disc
1 Set Instruction Manual
1 Guarantee card

Check for damage to the tool, parts or accessories which may
have occurred during transport.
Take the time to thoroughly read and understand this manual
prior to operation.

Consistent with our continuing product development, improvements may
have been made which render the contents of this instruction manual
slightly different to the product received.

Description (Fig. A)

You arngle grinder has been designed for professional grinding,
cutting, wire-cup brushing and sanding applications.

1. Slider switch
2. Side handle
3. Spindle lock
4. Wheel guard
5. External carbon brush access panel

Safety Rules For Grinders

1. Always wear goggles or other eye protection when usJn9 this toot.
2. When grinding, always keep guard in place.
3. Use only grinding whccls having a maximum operating speed at least as high as"NO LOAD RPM"marked on the tool's nameplate.
   This precaution also applies to any accessories on any toot.
4. Before usidg, inspect recommended accessory for cracks of flaws. If such a crack of flaws is evident - discard the wheel! The wheel should also be inspected whenever you think the tool may have been dropped.
5. When starting the tool (with a new or replacement wheel installed) hold the tool in a well protected area and let it run for one minute. If. the wheel has an undetected crack or flaw, it should burst in less than one minute. Never start the tool with a person in line with the wheel.
   This includes the operator.
6. In operation, avoid bouncing the wheel or gMng it rough treatment. If this occurs, stop the tool and inspect the whccl.
7. Always use guard with depressed-centre or flaring cup grinding wheels.
8. Clean your tool out periodically following the procedure in the maintenance section.

SAVE THIS INSTRUCTIONS

Double Insulation

Your tool is fully insulated. This means that two independent barners of insulation protect you from contacting metal parts thus giving further protection against the possibilty of electric shock. Therefore no earth wire is required.

Electrical Safety

The electdc motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.
If the supply cord of this tool is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

Extension Cords

Use only extension cords that are approved by the country's Electrical ALrthorfty. Before using an extension cord, inspect it for loose or exposed wires, damaged insulation and defective fittings.
Replace the cord if nessary.

Starting The Tool (Fig. B)

To activate depress the back end of the slider switch and push forward to"1"(ON) position
To turn the tool off, release the slider switch back to"O"(OFF) position. This tool also has a lock-on feature. To activate push the slider switch to"1"position and press down the front end of the switch.
To deacth/ate depress the back end of the switch and release the switch back to"0"position.

Fitting And Removing The Guard (Fig. C)

The guard is not required when using the tool for sanding with the backing
pad. To fit the guard for other applications, proceed as follows:

Align the lug on the guard with the slot in the bracket fixed to the base of the gear case (Fig. C1).
Press the guard down towards the gear case, and then rotate the guard in the direction of the arrow (Fig.C2).
In this position the guard locking pin located in the slot prevents the guard from coming loose, whilst allowing rotation through 105°.

To remove the guard, proceed as follows:

Place the tool upside down on a fiat surface.
Hold the tool in your hand and rotate the guard in the direction of the arrow with you thumb (Fig.C3). At the same time, using a screwdriver or other pointed instrument, press the locking pin in the slot so that the lug on the guard comes into view (Fig. C4).
The guard, no longer held by the locking pin, is then pushed free by thumb pressure.

Important! Mounting and removal of the guard must only be carried out with the mains plug removed from the mains supply. Use of the tool without the guard fitted is only permitted when sanding with the rubber backing pad.

Fitting A Rubber Backing Pad (Fig. D)

The rubber backing pad is available as an optional accessory in most countries. To fit the pad proceed as follows:

Disconnect the plug at the mains.
Remove the guard from the toot.
Insert the backing pad onto the machine spindle (Fig. D1).The inner flange in Fig. E is not needed.
Position the sanding disc on the pad.
Screw the outer flange with the two grip holes, together with the pad fitted, onto the machine spindle. (Fig. D2)
Rotate the pad while at the same time pressing the spindle lock on the front of the gear case until it has found its locking location and holds the spindle still. (Fig. D3).
With your finger firmly on the spindle lock, tighten the outer flange with the pin spanner supplied.
Release the spindle lock. Plug the toot into the mains and start work.
To remove the backing pad follow the above instructions in the reverse order.

Important! When using the tool for sanding allow only a segment of the
disc to contact the work and refrain from high pressure application.

Mounting Grinding Wheels/Cutting Discs (Fig. E)

Your Grinder comes with two reversible flanges to accommodate a wide variety of defferent accessories. Make sure the correct sides of the flanges are being used ensuring no excessive play between the accessory and the flanges. To fit a grinding wheel/disc, proceed as follows:

Disconnect the plug at the mains.
Locate the inner flange onto the machines spindle (Fig. E1).
Locate the wheel or disc agaJnst the flange.
Screw the threaded outer flange onto the spindle (Fig. E2).
Rotate the grinding wheel/disc, while at same time pressing the spindle lock (on the front of the gear case) fully, until it has found its locking location and holds the spinkle still.
Then firmly tighten the threaded flange with the two-pin spanner supplied (Fig. E3).
Release the button. Plug the tool into the mains and start work.

Important!

For grinding: Using a depressed centre disc, use the machine at an angle of approximately 30° to the work for roughing, and approximately 15° for finishing.
For cutting off: Using a flat cutting off wheel, always approach the workpiece at the angle at which the cut is to be made.
Maintain this angle throughout the cut and do not exert side pressure on the wheel.

Fitting Wire Cup Brushes

The wire cup brush screws directly on the spindle of the machine without the use of the flanges.

Side-handle (Fig.F)

The side-handle for your angle grinder can be fitted to either side of the gear case.

Replacing Brushes (Fig.G)

Disconnect the plug at the mains.

Completely unscrew the screw on the back of the handle housing and move the handle housing backward (Fig.G1).
Next raise the end of the spring and slide the brush out from the brush holder, easing the connector from its terminal (Fig. G2).
Check the length of the brush and replace if under 6mm. Worn brushes should be replaced in the same holder and position as removed.
Insert the existing brush or new brush, secure the connector, reposition the spring and then check the other brush. When brushes need replacement always renew both brushes, even if one is still more than 6mm long.
Replace the handle housing and re-fasten the screw on the back of the housing. Make sure the internal wiring is not trapped of damaged.
Check that the tool is working. Before use, allow it to run for a few minutes to enable the brushes to settle.

Tool Care

Keep guards, air vents and motr housing as clear as possible of dust and dirt by wiping with a clean cloth and blowing through with air.
Excessive build up of metal dust or oil could lead to tracking of electrical current from internal parts to exposed metal pads.
Avoid overloading the machine for long periods.
Overloading will result in a considerable reduction in speed and efficiency and the unit will become hot. In this event, run the machine at no toad for a minute of two until cooled to normal working temperature by the built in fan. Switching your machine on and off whilst under load will considerably reduce the life of the switch.

Lubrication

Your power tool requires no additional lubrication.

Keep the ventilation slots clear and regularly clean the housing with a soft-cloth.