

As the work progresses, the disc diameter will diminish. This means that the **maximum depth of cut will be effected.**

Regularly check the discs condition and replace if worn or damaged, using only discs supplied by HSS Hire.

Ensure replacement discs are distortion free and undamaged and that the paper washers are not wrinkled or torn. **NEVER FIT SUBSTANDARD OR OLD, USED DISCS.**

To fit a disc, switch OFF and unplug the tool.

Remove the lock nut with the 'pin' spanner and check the condition of both flanges. If either is damaged, return the tool to HSS Hire.

Now, locate the disc on the back flange plate, making sure that the diameter and the arbor (centre hole) of the disc are the correct size for the machine.

Finally, secure the disc in place by screwing on the front flange.

Take care not to over-tighten, then check that the new disc rotates freely and does not foul the guard, before use.

Set the depth gauge guard to the required position by pressing the lock button, adjusting the guard.

Plug the tool into its power supply.

When using a dust extraction unit, the machine will be supplied with a dust extraction hood/guard.

Before starting **connect the hose from the dust extraction unit to the dust port on the guard.**

BASIC TECHNIQUES

Where appropriate, **secure the workpiece in a vice or with clamps, supporting it on both sides of any cut line** to stop the cut-off disc becoming trapped.

Next, **grip the tool firmly in both hands and adopt a comfortable, stable stance** that lets you see what you are doing while keeping the whole of your body behind the cutter's disc.

With the disc clear of the workpiece, you can now switch the cutter ON and wait for the disc to reach working speed.

To switch ON either depress or push forward the lock off button and squeeze the ON / OFF trigger.

CUTTING...

Move the tool along the cut in a straight line, keeping the disc at a constant angle. **Never twist the tool or apply sideways pressure** – the disc could break up and cause damage or serious personal injury.

WHATEVER you are doing...

Apply just enough pressure to ensure reasonable progress. Too much pressure will damage the disc, the workpiece, and the machine's motor.

TECHNICAL INFO

Rated voltage	110V
Plug	32A
Rated Input Power	2300W
Disc Diameter	305mm
Cutting Depth	120mm
No Load RPM	4900
Vibration	5.1m/s ²
Arbor Size	20mm
Weight	9.4kg
Dimensions (LxWxH)	676 x 243 x 233mm
Sound Pressure Level	106 dB (A) 2

Be aware of the gyroscopic effect created by the machine once it is switched OFF. **Hold the machine still until the blade has stopped rotating.**

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact HSS Hire for advice.

Keep the equipment clean – paying special attention to the air vents. You will find this less of a chore if you clean regularly, rather than wait until the end of the hire period.

Regularly check that the disc and safety guards have not vibrated loose, if either have STOP and contact HSS Hire for advice.

When not in use, store the equipment somewhere clean, dry and safe.

FINISHING OFF

Having lifted the disc clear of the workpiece, release the ON/OFF trigger to the OFF position and wait for the disc to stop before putting the tool down.

Unplug the tool, remove and dispose of the disc, NEVER re-use a used disc!

Finally, neatly coil the flex and give the tool a final clean-up ready for return, to HSS Hire.



... have you been trained

The law requires that personnel using this type of equipment must be competent and qualified to do so. Training is available at HSS Training 03457 66 77 99

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below e-mail: safety@hss.com

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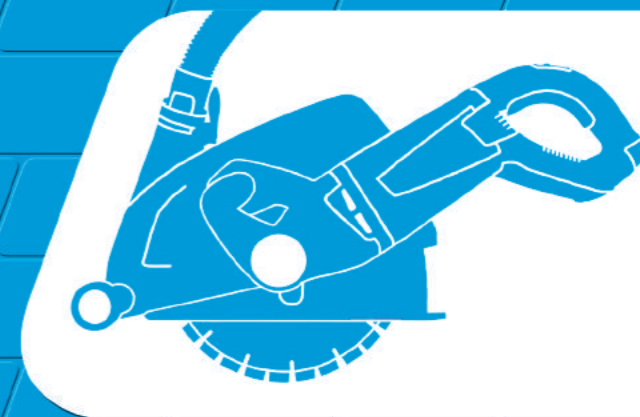
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Web Site: <http://www.hss.com>

313/01

Operating & Safety Guide 313

HSS Hire



300mm 110V Cut Off Saw

Suitable for heavy-duty grinding, facing, cutting masonry and metal.

As a cutting machine it has a 120mm depth of cut.



Code 03133

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact HSS Hire.



There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.


This equipment should only be used by a operator who has been deemed competent to do so by his/her employer.


This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.


Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from HSS Hire

  Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

 Safety Goggles MUST be worn by everyone in the work area.

 Some materials when cut contain substances which, when inhaled, can be harmful to health. A suitable mask must be worn when using this equipment.

 This equipment generates potentially harmful noise levels. To comply with health and safety at work regulations, ear defenders must be worn by everyone in the vicinity.

 Wear practical, protective clothing, gloves and footwear. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

Ensure the work area is well lit and ventilated, if in doubt, ask about dust extraction and ventilation equipment at HSS Hire.

Do not work near flammable gases or liquids, petrol or paint thinner fumes for example. Keep combustible materials at a safe distance – at least 5m.

If working above ground-level, work from a suitable, stable platform – an access tower for example. Never work from ladders or steps.

Take special care when cutting into anything containing pipework or electrical cables. If in doubt, hire a cable avoiding tool from HSS Hire, to determine the exact position of such hazards.

Stop the machine if you experience discomfort or numbness during use.

Make sure you know how to switch this machine OFF before you switch it ON, in case you get into difficulty.

Always switch OFF and unplug the tool before making adjustments to it. Check that it is switched OFF and that you have removed all spanners and keys before plugging it back in.

Having switched OFF, always wait for the disc to come to rest before putting the tool down.

Never carry or pull the equipment by its flex.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to HSS Hire.

Ensure guards are correctly adjusted and secure before starting work.

Watch your footing. Take special care if working other than on firm, level ground.

Information on COSHH regulations is available from HSS Hire.

ELECTRICAL SAFETY


This power tool is designed to plug in to 110V power socket so it must be provided with a suitable 110V generated supply, or powered from the mains via a suitable 110V transformer (minimum 3kVA tool rating).

If the equipment fails, or if its flex or plug gets damaged, return it. Never try to repair it yourself.

Keep flexes out of harm's way, and clear of the work area.

Extension leads should be fully unwound and loosely coiled, away from the equipment. Never run them through water, over sharp edges or where they could trip someone.

Using electrical equipment in very damp or wet conditions can be dangerous.

 To reduce the risk of electric shock, use a suitable RCD (Residual Current-Operated Device) available from HSS Hire. If using a transformer to provide power, ensure that the total power load is less than 75% of the transformers power rating.

Ensure the angle grinder and power socket are switched OFF before plugging into the power supply.

GETTING STARTED

1. Observe the instructions concerning correct selection of suitable cutting discs and the dimension and format specifications for diamond cutting discs.
2. Disconnect the supply cord plug from the power outlet.
3. Clean the clamping flange and the clamping nut.
4. Fit the 60mm (2 3/8 in) diameter reversible flange onto the arbor the right way round, so that it is no longer free to rotate.
5. **Note: The 60mm (2 3/8 in) diameter reversible flange is used for mounting cutting discs with an arbor hole size of 20mm. Check which side of the reversible flange fits the arbor hole in the cutting disc. The reversible flange must center the cutting disc.**
6. Place the diamond cutting disc on the reversible flange.
7. Fit the 60mm diameter clamping flange and the clamping nut.
8. Press the arbor lockbutton and hold it in this position.
9. Use the wrench to tighten the clamping nut securely and then release the arbor lockbutton.
10. Check to ensure that the arbor lockbutton has disengaged and that the arbor is again free to rotate.

