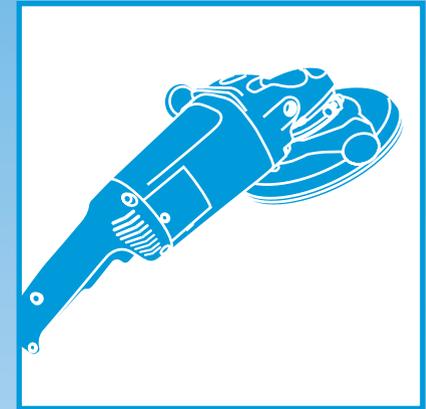
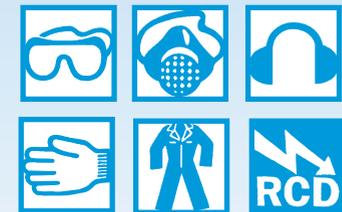


HSS Hire Shops



230mm Concrete Grinder & Dust Extractor

Powerful portable concrete grinder fitted with dust extraction shroud for use with HSS dust extraction units.



Code 06333

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease, assume you have the wrong tool or blade for the job. Ask at your local HSS Hire Shop for advice.

Keep the equipment clean, (especially the motor's ventilation slots). You will find this less of a chore if you do it regularly rather than wait until the end of the hire period. Always switch OFF and unplug the tool prior to cleaning.

Regularly check that the disc and extractor shroud have not become loose, if either have, STOP work and contact your local HSS Hire Shop for advice.

When not in use, remove disc and store the equipment somewhere clean, dry and safe from thieves.

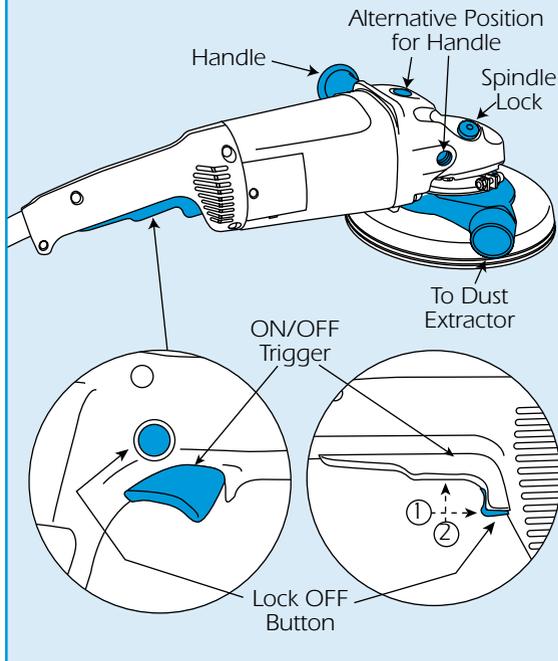
FINISHING OFF

Switch OFF and unplug the Grinder then remove the disc (simply reverse the fitting procedure explained in GETTING STARTED).

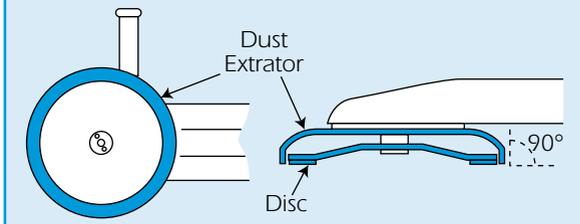
Clean the tool up as far as possible, paying special attention to the motor's ventilation slots.

Finally, **neatly coil the cable and collect all the components ready for return** to your local HSS Hire Shop.

Concrete Grinder



Grinding Operation



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

Keep an eye on the wear rate of the disc remembering to inspect it with the machine OFF. The disc has diamond cutters, these will wear down during normal use. If you use the equipment as described the cutters should wear evenly. **When the disc has worn out replace it with a new one, following the instructions in GETTING STARTED.** Discs are available sale or return from your local HSS Hire Shop.

To turn OFF the Grinder, let the trigger switch go. Be aware of the gyroscopic effect created by the machine once it has been switched OFF. **Hold the Grinder still until the disc has stopped spinning.**



...any comments?

If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below

Fax: 020 8687 5001

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

GENERAL SAFETY

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

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 an 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 your local HSS Hire Shop.

 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.

 This equipment can create residual dust 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 your local HSS Hire Shop.

Do not work near flammable gasses 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.

Caution

This machine vibrates during use, DO NOT use for prolonged periods.

Always switch OFF and unplug the equipment when not in use. Never leave it switched ON and unattended.

Make sure you know how to switch this equipment OFF before using it, in case you get into difficulties.

Always switch OFF and unplug the tool prior to cleaning, checking or changing discs.

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

never start the Grinder with the disc in contact with the work piece.

Never carry or pull the equipment by its power cable.

When working, adopt a stable, well-balanced stance that lets you see what you are doing while leaving your hands and body behind the cutting edge at all times.

Never use the Grinder to cut asbestos sheeting, nor any other material that may yield hazardous dust.

Take care when handling or fitting discs – they are sharp.

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

COSHH information sheets are available from your local HSS Hire Shop.

ELECTRICAL SAFETY

Most HSS Grinders plug into a standard 230V 13amp power socket. However, 110V models (with a round yellow plug) must be provided with a suitable 110V 16amp generated supply, or powered from the mains via a suitable 110V transformer.

If the equipment fails, or if its power cable or plug becomes damaged, return it. Never try to repair it yourself.

Keep cables 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 your local HSS Hire Shop.

Ensure the Grinder and power socket is switched OFF before plugging into the power supply.

GETTING STARTED

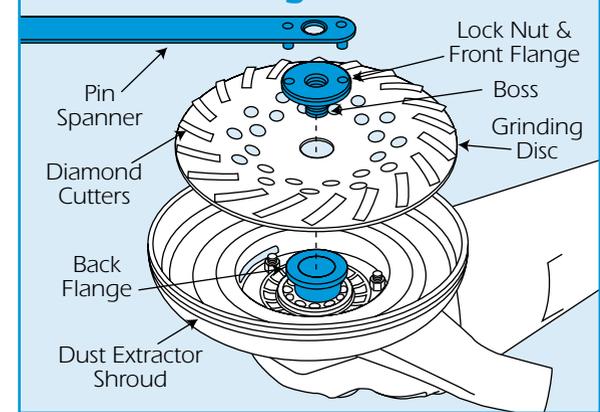
To set up the machine, screw handle into appropriate position.

Select a suitable disc for grinding concrete, if you are in any doubt ask for advice at your local HSS Hire Shop.

Use only approved discs, if in doubt ask at you local HSS Hire Shop. NEVER use old or part worn discs.

Before installing a new disc ensure that it is distortion free, and undamaged and that the diamond cutters are not worn.

Fitting a Disc



To fit a disc, switch OFF and unplug the tool, then immobilise the back flange plate by depressing the spindle lock button.

Turn the Grinder over and remove the lock nut with the pin spanner provided.

Inspect the flange faces of the lock nut and the back flange plate, if they appear to be damaged, return the unit to you local HSS Hire Shop for replacement.

Place the new disc over the back flange plate ensuring that the diameter and the centre hole of the disc are the correct size for the machine.

Finally, secure the disc by screwing on the lock nut and front flange with the boss inner most. Immobilise the back flange plate again and tighten the lock nut with the pin spanner.

Attach dust extractor to the exit duct on the dust extractor shroud.

The Grinder is ready to use.

BASIC TECHNIQUES

Take the Grinder and dust extractor equipment to the work area.

Before each work session ensure that the dust extractor shroud is securely fastened to the Grinder. If it is loose or damaged, return the unit to your local HSS Hire Shop for replacement.

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

Bring the grinder to the surface with the disc spinning and work the tool back and forth across the surface, holding flat against the surface.

Warning

Do not use the grinder at an angle against the surface. This will cause the disc to wear prematurely.