

Familiarise yourself with the switches and their location so that you can operate them quickly in an emergency.

All that remains is to **plug the Die Grinder into its power supply and switch the supply ON.**

BASIC TECHNIQUES

Always **position yourself so you can control the Die Grinder while staying clear of the Grinding head.**

Take extra care when you first use the grinder, as the head will try to wander off line upon first contact with the workpiece.

DO NOT move the grinder quickly in different directions as the gyroscopic forces could cause you to lose control of it and damage the workpiece, or cause you personal injury.

Switch the unit ON and wait for the head to reach operating. Now you can begin grinding.

Allow the head to work at its own speed, harder materials will take longer to remove.

Keep the head moving, if you stay too long at one place, the work will over heat.

Take your time and don't over do it. You are more likely to have an accident if you are tired or rushing.

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 your local HSS Hire Shop for advice.

Keep the equipment clean, you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

Use only die grinding heads supplied by HSS.

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

FINISHING OFF

Switch the unit OFF and wait for moving parts to stop. Then unplug the equipment.

Clean off any powder deposits, paying special attention to motor ventilation slots.

Then **neatly coil the flex and give the tool a final clean up ready for return,** to your local HSS Hire Shop.



...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

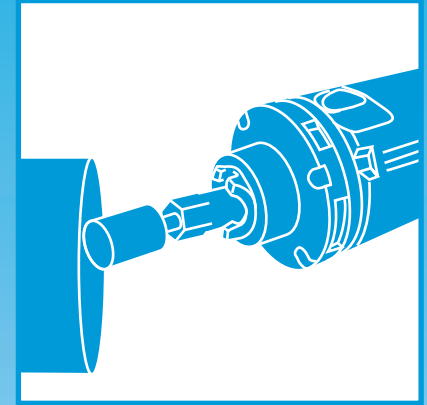
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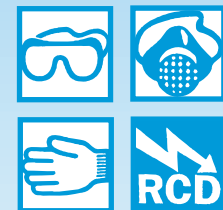
Operating & Safety Guide 637

HSS Hire Shops



Die Grinder

For quickly and accurately removing burrs from pipework and other metal fittings.



Code 06211



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.


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.

  **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 ground contain substances which, when inhaled, can be harmful to health.** A suitable mask must be worn when using this equipment. Respiratory protective equipment is available for hire, contact your local HSS Hire Shop for details.

 **Wear practical, protective clothing, gloves and footwear.** Avoid loose garments, especially sleeves 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 ventilation equipment at your local HSS Hire Shop.

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.

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 machine before making adjustments to it.

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

Never carry or pull the equipment by its power supply cable.

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

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

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

This tool has no guard covering the grinding head, be aware of its position at all times.

Ensure that the grinding sparks are not directed at any person or item which is flammable or may be damaged by heat.

The machine is designed to be used as a grinder and must ONLY be fitted with the appropriate grinding heads. DO NOT use it for any other purpose.

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

ELECTRICAL SAFETY


The HSS Die Grinder requires a 110v power supply And must be provided with a suitable 110v generated supply, or powered from the mains via a suitable 110v transformer (minimum 2.2kva tool rating).

If the equipment fails, or if its power supply 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.**

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

GETTING STARTED

If a grinding head is not fitted or a replacement is required, **unplug the machine from its power supply.**

Insert the shaft lock pin into the spindle hole so that it lines up with the two stirrups on the front body casting.

Turn the chuck lock bolt anti-clockwise with the spanner provided and if required, remove the old grinding head. **Insert the new head fully in, then lock in position** by turning the chuck lock bolt clockwise.

Remember to remove the pin and spanner before proceeding.

To switch the Die Grinder ON push the ON/OFF thumb switch forward until it clicks in position. **To switch it OFF,** press the rear of the switch and it will spring back to the OFF position.

