Useful Reference Points • www.hae.org.uk/businessguard

Betore Starting Work.

AAHA XHOW

- san ignite upholstery and other fabrics. a danger of explosion. Spa grinding will ignite petrol or fuel va and other fe Sparks from Do not use abrasive wheels where th 1
- Make sure that the area is clear and safe and that no-one is near to you or could distract you. Warn others to keep anay, put benace anound work area .s
- an exclusion zone around the area where the abrasive wheel is being used with physical barriers, barrier tape and agree and an around a serier and a Protect other people from the dust. Set up 3. partiers around your work area.
- Keep children and animals away when using this equipment.
- with the work, enter the exclusion zone. Work should stop immediately should anyone, other than those directly assisting ť
- Make sure your work area is clear, well lit **'**G
- Clear the area of trip hazards such as and well ventilated.
- If you are using an abrasive cutting disc to cut into a floor or fixture check that there 2 ruppie, ruppish etc.
- cable location and signal generator. pipes where you are going to cut. Ask the hire company for HAE leaflet no.1415 the no hidden electric cables, gas or w arei
- Cutting certain materials makes a large amount of dust cover any surfaces or objects that may be damaged, or difficult to .6 critely clamped or held in a vice Any work that is not part of a fixture should .8

- and sint as nov renever you use this cut The following items of personal protective equipment (PPE) are the minimum that 11 **SROTAR340**
- off saw. Particular jobs or environments may require a higher level of protection.
- You must wear goggles (EN166 or BS2092)
- This equipment is likely to cause noise when you are working with this machine.
- ievels up to 93 dB(A) wear appropriate ear

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wheels, these may be depressed centre or

machines you must reinforced cut-off

For any cutting work with hand held

For any grinding work with hand held machines you must use reinforced

crack easily if dropped. A cracked wheel is extremely dangerous and must not be

Handle wheels carefully because they will

their original packing. Do not allow them to

Treat all wheels carefully. Store them flat, in

damaged, distorted or badly worn do not use them - contact the hire company.

Check the abrasive wheels, it any are found

Do not wear nylon clothing such as

aiso need to wear identical personal

Anybody who is working near to you will

vibration

version of the state of the state of the state with the state working. Find out more about the site working. Find out more about the state of vibration - Ast the the three state no. 5150 - 51

you start work, and wear industrial quality

Vibration from using this machine can be hazardous. Warm your hands up before

mutte or plugs giving hearing protection for

SELECTING ABRASIVE WHEELS

depressed centre grinding wheels.

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w.pae.org.u 44 (0) 121 333 4109 44 (0) 121 380 4600

get wet or frozen.

them on fire.

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protective equipment.

www.hse.gov.uk/vibration.

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have the force of law and only the courts can authoritatively interpret the law.

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industrial gloves.

influence of drugs or alcohol.

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machine.

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starting to fit it. Do not use it if there is any sign of damage, such as cracks, or bits

Check the wheel for damage before

Always switch off and remove the plug, or stop the engine, before changing or adjusting an abrasive wheel.

do not transport the tool with the wheel

Only fit abrasive wheels at your work area

wheel unless you are competent to do so.

You must not fit or change any abrasive

marked on the wheel label is greater than

company for the material being ground or

abrasive wheel recommended by the hire

comfortably inside the guard of your

Check the diameter of the abrasive wheel, do not use the wheel if it does not fit

The abrasive wheels must have the correct bore (hole) size to fit the spindle on your machine. Do not try to fit an abrasive wheel that is too loose, or too tight on the shaft.

Only use wheels that are the correct fit for

REINFORCED marked on it. You must not

The label on the wheel will have BF or

the machine you are using.

use any other wheels.

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11. Always check that the rotational speed

10. Make sure that you use the correct type of

rotational speed marked on the



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16. Dispose of used wheels carefully.

causing the problem.

is running correctly.

done up too tightly.

the machine. Switch off and unplug, or stop the engine, before making adjustments.

15. If you think something is wrong do not use

sign that the wheel is not fitted prope stop the machine and check what

14. If there is any excessive vibration or other

13. Rotate the wheel by hand, to ensure that it does not foul the guard. Then, holding the does not foul the guard. Then, holding the machine is a safe position, start the machine and the the wheel at full speed for all east one minute to check that everything is unitating correct.

12. When you have fitted the abrasive wh

11. Use the tools supplied with the machine.

make sure that the guards around the wheel are in place and adjusted correctly to suit the wheel and the job you are doing.

I he wheel may be damaged if the flange is

or supplied separately. If the separate ones have been crushed, for example used

The Diotters are eitner stuck on the wheel

The blotters (paper discs) are used to absorb any irregularities between the surfaces of the cutiting wheel and the fance

slip round on the spindle, even though the flange nut is tight, if the flange is fitted for a thick

sure this type of flange is fitted the correct way for the wheel in use. A thin wheel will

Some machines have a reversible front flange to take thick or thin wheels. Make

other flanges or fittings or improvise in any

Only use the wheel flanges that were supplied with the machine and are correct for the wheel you are using. Do not use any not floor floor of the machine are and any supplication in the supplication of the

When fitting depressed centre wheels make sure that the central depression is

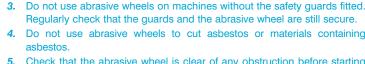
SIOSEST TO THE MACHINE

10. Make sure that the flanges are tightened lemon - learned to drive the wheel - nemnal finand force on the correct tools is sufficient.

once, they must not be used again.



- corners.
- Lift the abrasive wheel clear of the work before switching off, or stopping
- Do not put the machine down until the wheel has completely stopped.
- 10. Do not slow the wheel deliberately by applying pressure to it while it is
- slowing down. 11. If your equipment does not work properly, do not attempt to repair it.



quard is properly adjusted.

mask

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Do not use abrasive wheels to cut asbestos or materials containing

For guidance on managing

construction health risks go to

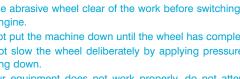
www.hse.gov.uk/construction

1. Wear your protective equipment including goggles, helmet and dust

Check that the abrasive wheel is fitted correctly and securely and that the

- Check that the abrasive wheel is clear of any obstruction before starting the machine. Let the wheel run up to speed before starting work. Be
- prepared for the reactive force when the wheel contacts the work surface.
- Keep the wheel running at speed: if the machine starts to labour and slow
- 6. down do not force it so hard. Firm but steady pressure keeping the wheel
- speed up will be more effective and safer than using aggressive force. Abrasive wheels can only cut in straight lines. Do not try to go around
- 7

8. the engine.







0403 Safety Guidance



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applying to the machine you fit these wheels to. You must be competent before you can mount abrasive

- heels. This leaflet is no substitute for proper training. Abrasive wheels are designed to grind, cut and smooth metal, concrete, stone and similar materials. You must use reinforced wheels of the correct grade for each job. The maker's label
- attached to the wheel will have BE or REINFORCED marked upon it. You must not use wheels that are not reinforced on any hand held machine.
- It is important to read all of this leaflet

The abrasive wheel rotates very fast and can cause injury or damage if the machine is not

If you have not used abrasive wheels before, familiarise yourself with their correct fitting and

You must have at least the following items of personal protective equipment: goggles:

EN166 or BS2092; dust mask- a minimum of EN149 - 2001FFP3 protection; ear muffs or

plugs giving protection for levels up to 89dB(A); Safety boots to EN345 or BS1870/4972;

Machines that use abrasive wheels must not be used by minors, or by anyone under the

Machines that use abrasive wheels are designed for operation by an able bodied adult.

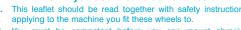
Anyone with either temporary or permanent disability must seek expert advice before using

e before you start on the main task. If you are not sure ask the hire company.

Plan your work and think ahead to make sure you will always be working safely.

Abrasive Wheels

BEFORE you use the Abrasive Wheels This leaflet should be read together with safety instructions



used in a careful and controlled way.

A personal first-aid kit should be available.



Using the Abrasive Wheels

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