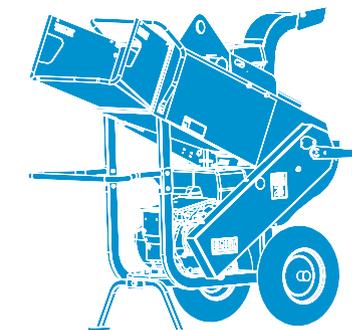


# HSS Hire



## Shredder

A petrol driven shredder capable of shredding garden waste up to 55mm diameter



Code 62818

**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 equipment for the job. Contact HSS Hire 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.

**Regularly check the fuel level and top up as necessary** with unleaded petrol.

**Regularly check the oil level** - when the engine is cold and on level ground. Withdraw the dipstick, wipe it clean, then replace it, remove it a second time and verify that the oil level is between the min and max lines, top up as necessary. Suitable oils are available on sale or return from HSS Hire.

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

### FINISHING OFF

**Set the throttle to idle, then set the engine ON/OFF switch to OFF and close the fuel tap.**

**Give the unit a final clean up ready for return, to HSS Hire.**



### ... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so. Training is available at HSS Training 0845 766 7799

### ...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](mailto:safety@hss.com)

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Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS

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

### PRE-OPERATION CHECKLIST

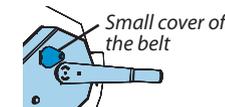
- Check the condition of shredder
- Check that the guards are in place and safety devices are securely tightened.
- Before switching on the machine make sure that there are no persons in the vicinity.
- The engine is supplied with fuel.
- Check engine oil level
- Briefly operate all the machine's components to detect any abnormal noises or overheating.
- Prior to starting any work, the operator shall verify that the shredding chamber and the turbine are free of any chips.
- Check that the belt tension is correct

Once these items have been checked and approved, you can prepare the area of operation.

### EQUIPMENT CARE

#### CLEARING THE TURBINE

If the turbine is blocked, to clear it turn off the engine. Open the shredding chamber. Loosen the auxiliary tools to the left of the machine by removing the star screw.



Now open the small cover of the belt protector on the right side of the machine. Place the sleeve of the auxiliary tool over the end of the axle in the

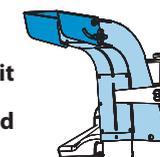
hole of the belt cap and turn the impeller until it comes loose. Remove from the turbine any chips causing the blockage.

#### CAUTION

Always remove the auxiliary tool from the axle and return it to its original position before restarting the machine.

#### DISASSEMBLING THE BLOW CHUTE

In case of blockage of the blow chute, or if the machine needs to be transported, the blow chute can be disassembled. Turn off the engine. Loosen the bolts from the blow chute. Remove the blow chute by sliding it upwards. Remove any blockage. Accurately reassemble all the parts and securely tighten the bolts.



#### CAUTION

Do not start the machine before all the parts have been reassembled into their original position.

### TRANSPORTATION

**The shredding chamber and the chipping chamber must be empty before transporting the machine. The feed opening should not contain any branches.**

**Never transport the machine with the engine running.**

**Always transport the machine in upright position. If the machine turns on its side, set it upright as quickly as possible. It prevents oil entering the air filter.**

Use non-slip planks for loading the machine into a van or onto a trailer. Ensure that the planks are properly fastened to the vehicle or trailer.

Under no circumstances should the upwards slope exceed 25°.

**Never drive or place the machine on any surface that cannot support the weight of the machine plus one's own body weight (162 kg).**

When ascending a slope, the blade axis must be placed at the front.

When descending a slope, the blade axis must be placed at the back.

**When loading the machine onto the vehicle make sure the parking brake of the vehicle is on.**

**Ensure that the machine is securely fasten to the vehicle and all the brakes on the shredder are engaged.**

**Ensure that the vehicle/trailer is not overloaded.**

### SPECIFICATIONS

Capacity:	55 mm
Blade shaft:	Steel axis 25 mm
Blades:	20 HS-steel (reversible) 4 double steel blade discs
Chipping width:	250 mm
Feed opening:	250 x 250 mm
Feed height	1,060 mm
Blow height:	1,160 mm
Wheels (Ø x W / material):	Foam filled tyres 4.00 x 8
Dimensions (LxWxH):	1550 x 620 x 1,270 mm
Transmission:	V-belt Gates Guard Power XPA 1600
Chassis:	steel plate 2.5 - 3 mm
Sound power Lw(A):	111 dB(A)
Weight:	162 kg
Accessories:	Hour meter

Cease the operation immediately when you hear unfamiliar sounds. Stop the engine (emergency stop bracket) and examine the cause of the sound. Perform any necessary repairs before continuing.

Should you notice that, despite all of the preparations made, a foreign object still has found its way into the machine, the motor must be shut off immediately. Remove the foreign object and check for damage. Any defects must be repaired before reassuming operation.

The engine should, in principle, shut down automatically when the shredding chamber is opened. If it does not as a result of an electrical defect, the operator immediately must turn off the engine manually and refrain from using the machine until it has been repaired.

If the shredding chamber gets clogged up, **switch off the machine** to remove the blockage. Make sure to **wait for the blades** to come to a complete standstill before carrying out any operation on the machine.

#### WHEN THE ENGINE STALLS

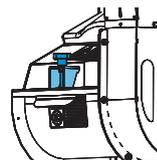
**Overloading, overfeeding, blockage of the discharge, fuel shortage, a closed fuel tap, insufficient oil, the safety handle in the wrong position and improper closure of the shredding chamber** are all possible causes of a stalling engine. The chipper can be easily restarted in these cases.

**Check the petrol level in the tank.**

**Remove any branches from the feed opening.**

**Lightly pull the starter cord to verify whether the blade axis is still blocked. As soon as you feel resistance and are unable to pull the cord any further, simply release the cord. It is useless to pull the cord forcibly as this could cause it to break or overload the starter mechanism.**

**If the blade axis is blocked, the shredder compartment must be emptied.** This requires opening of the shredding chamber. The cover screen is attached at its top with a star screw. **Remove the star screw and lower the cover.**



#### CAUTION

Always wear gloves when performing maintenance. You will be near the blades when emptying the chipping chamber. They are razor-sharp and therefore represent a real risk of cutting injuries. Take care and try to avoid all contact.

Remove all the chips and wood residue from the shredding chamber. Remount the cover plate and check that it is done properly.

**In the event that a wood chip is blocking the impeller in the turbine, the turbine must be cleared** (see Equipment Care).

**In the event of blockage of the blow chute, the chute must be disassembled to be able to clear it** (see Equipment Care).

**Change your work method to ensure greater care to avoid jamming of the machine.**

## 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 an operator who has been deemed competent to do so by his/her employer.

This equipment should be used by a 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. Bystanders should observe a minimum distance of 10 m from the machine.

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

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

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

This equipment is heavy (162kg), never attempt to lift it on your own, always get help.

 Safety goggles must be worn by everyone in the work area.

Take all necessary precautions to protect yourself and others against the possibility of contracting infectious diseases in your work environment.

Ensure the work area is well lit and ventilated, if in doubt, ask about lighting 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.

Make sure you know how to switch this machine OFF before you switch it ON in case you get into difficulty. Never leave the unit running and unattended.

Always switch the engine OFF and wait for moving parts to come to rest before making adjustments to it.

Engines, especially the exhausts, get very hot so switch OFF and allow to cool before touching them.

Keep flammable materials well away from engine and exhaust.

Make sure that everyone is warned of what you are doing.

## ATTENTION

Carefully consider all your movements when you are operating the machine. Do not be tempted to let routine dull your attention. Never act impulsively or on reflex.

The shredder can cause serious injury, so take care.

Never look down the entry of the hopper and always switch the engine OFF when not actually chipping.

Never work with a machine that has not been fully assembled.

Never operate the machine without the feed hopper fitted.

Do not stand near the shredder's front discharge chute, while operating.

Keep the unit upright at all times, never run the unit at an angle.

Do not attempt to chip metal or plastic items, this machine is only for garden waste!

Never attempt to shred frozen branches.

Never feed burning objects into the machine (e.g. burning cigarettes, charcoal, etc.).

Never insert your hands beyond the safety shield while the machine is in operation.

Never use metal tools to push garden waste into the feeding hooper.

Never use your feet for pushing green waste down the feeding hooper.

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

Check the condition of the unit before use (see Pre-operation Checklist). If it shows signs of damage or excessive wear, return it to HSS Hire.

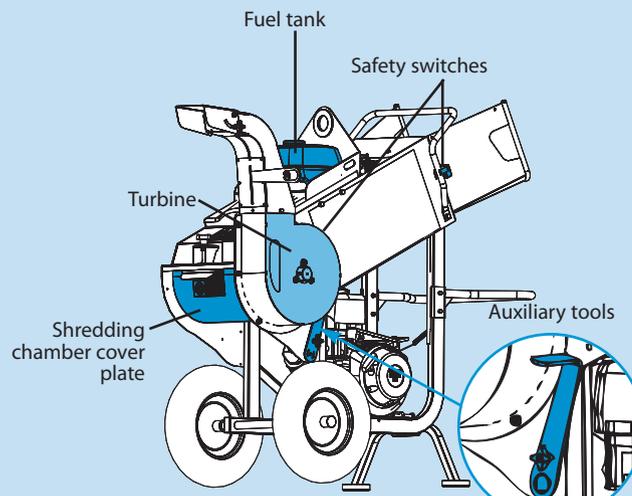
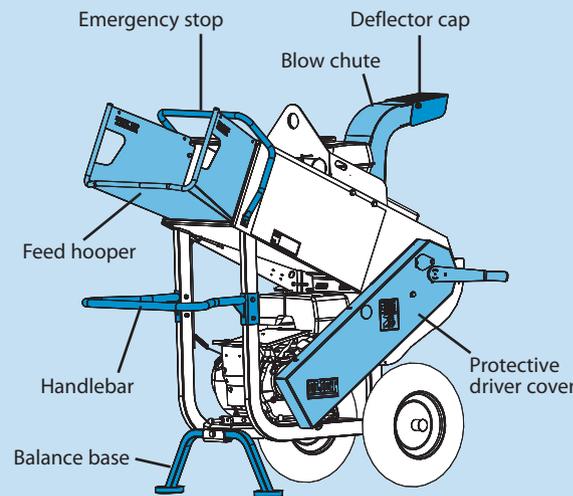
Ensure that all guards are correctly fitted and secure before starting work.

## EXHAUST DANGER

NEVER operate petrol engines indoors or in a confined space.

The exhaust contains gases that can kill.

## IDENTIFIER



## FUEL SAFETY

### WARNING

NEVER refuel while the engine is hot or running.  
NEVER smoke or allow naked lights into the area while refuelling.

Never inhale fuel vapour.

ALWAYS mop up any spillage as quickly as possible, and change your clothes if you get fuel on yourself.

ALWAYS store fuel in a purpose-made sealed container, in a cool, safe place well away from the work area.

Never refuel at the location where the machine will be operated. Keep a distance of at least 10m from the selected work area. Doing so will avoid creating a fire hazard.

Clean the area around the fuel cap and remove it. Do not fill the tank completely. Fill up to approximately 20 millimetres from the brim. Never fill it up to the brim.

Always use a funnel or a spout for refuelling.

It is irresponsible and therefore strictly forbidden to refill the tank around people who are smoking or near open fire.

If fuel is swallowed or comes in contact with the eyes, consult a doctor immediately.

## GETTING STARTED

The HSS Shredder is designed for chipping branches, prunings, leaves and all kinds of organic garden debris and shall be used for this purpose only.

Never use the HSS Shredder until you have fully read and understood this User Guide and the machine has been properly set up using the information it contains.

If any of the instructions in this manual are not clear to you, do not hesitate to contact HSS Hire.

Before starting the work clean up the area where the machine will be operated.

The routes used to bring in the cutting materials must be freed of any obstructions to avoid tripping hazards.

To avoid feeding foreign objects into the machine sort the material before chipping.

*Note: The term 'foreign objects' is understood to mean: anything that is not organic and any organic material in excess of the prescribed maximum diameter (e.g. metal, stone, plastic, rope, textiles...). Some of these items can cause serious damage to the machine or could be ejected as projectiles towards the user.*

### STARTING THE ENGINE

#### WARNING

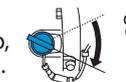
Any chips still in the shredding chamber must be removed before starting the machine. Failure to do so may damage the starting mechanism. If starting the engine is impossible nonetheless, a check should reveal whether any stuck wood chips are obstructing the turbine.

Ensure that the feed hopper is empty (no garden waste, no tools, etc).

*Note: The engine will not start unless the emergency stop bracket and the cover plate are in the correct position.*

The machine becomes a hazard as soon as the engine starts running. The cutting mechanism may eject wood chips at any given moment. The machine therefore must be positioned with care, ensuring that the deflector cap is pointing in the direction where any flying objects can do no harm.

If the fuel tank is equipped with a fuel tap, open it. Turn the switch into the ON position.



 If this is first use of the day then switch the choke to the CLOSE position by moving the upper knob towards left.

 Open full throttle.

 Grip the engine pull lead handle and pull gently until you feel the "bite", then pull on the lead sharply to overcome the pressure, prevent kickback and switch on the engine.

The engine running, set the choke handle to "Open". This prevents the engine from getting too much fuel. Failure to reopen the choke will cause the engine to slow down and it will start producing a lot of smoke. Eventually it will come to a full stop. Restart the engine without opening the choke if this happens. If the engine refuses to restart contact HSS Hire for help.

### STOPPING THE ENGINE

For emergency stopping push the "Emergency stop" bracket backwards.



To stop the engine, switch the throttle to turn the knob into the "OFF" position. You can also use emergency stop bracket by pushing it backwards. If the machine is equipped with fuel tap close it.

### WARNING

Until the engine has come to a full stop after turning it off, the blades will continue to spin. Do not perform any maintenance activities before they have come to a halt.

## BASIC TECHNIQUES

### ADVICE

- A good gardener works efficiently and according to well defined plan. It allows him to keep an overview of his work and prevents accidents or wrong manoeuvres with the machine.
- The wood should be stacked systematically before commencing the work into pile of thick branches, thin branches, leaves and damp products. Ensure that the material does not contain any foreign objects.
- The deflector cap must be pointed in the right direction before operating the machine. Make sure that you will not have to pass through the projection zone of the blow chute while transporting green waste.
- The engine should not be started before having arrive at the work site.

### CAUTION

While feeding green waste into the machine, the operator should never reach behind the steel shield. By lifting the plate, the operator removes the protection against flying wood chips.

When inserting the material, always hold it firmly. The rotational direction of the blade shaft and the teeth on the blades make for steady material feed into the hopper. If the wood is not firmly held, it will be pulled into the chipper too rapidly; this will inevitably lead to a blade shaft jam. In other words, the operator controls the speed at which the wood is fed into the hopper (fast or slowly). The speed will depend on the thickness of the branch.

Listen to the engine attentively when feeding in the wood. Should you notice a significant drop in rpm, immediately pull back the wood to allow the engine to speed up again.

It is useless to feed too much material into the machine at once. Reducing the material volume speed up the entire process.

When inserting branches, the thickest end of the branch will have to be introduced into the feed hooper first.

It is best to feed the branches at the right hand side of the hooper. That way the chips sit in the shredding chamber for a longer period before being sucked towards the turbine. It also ensures that the chips are smaller in size.

In the even that the volume of leaves to processed is very large, it is recommended to alternately shred leaves and branches.