

BASIC TECHNIQUES

CAUTION

WORKING ON THE MATERIAL MAY CAUSE IT TO SPLINTER. WEAR EYE PROTECTION AND PROTECTIVE GLOVES.

SPLINTERING MATERIAL PRESENTS A RISK OF INJURY TO THE EYES AND BODY.

Ensure that the locking bar is in the correct position and check that the insert tool is held securely (check by pulling the insert tool). **Secure the area below the working area.**

Take care to stand in a secure position, especially when chiseling breaches in floors, walls or ceilings. The power tool may pull you off balance if you break through suddenly.

Plug the mains plug of the supply cord into the power outlet.

Position the tip of the chisel at the point where chiseling is to begin and press the on / off switch fully.

The hammering mechanism works only when the power tool has reached a minimum operating temperature. Bring the chisel into contact with the base material and allow the power tool to run under no load until the minimum operating temperature is reached. If necessary, repeat this procedure until the hammering mechanism begins to operate.

ADVICE

IMPROVE THE BLOOD CIRCULATION IN YOUR FINGERS BY RELAXING YOUR HANDS AND EXERCISING YOUR FINGERS DURING BREAKS BETWEEN WORKING.

TROUBLESHOOTING

When the power tool doesn't start, simply switch the tool off and on again. If this doesn't solve the problem check the electric supply, by plugging in and starting another appliance. Check the supply cord and extension cord. Replace extension cord if found damaged. If machine cord is damaged, **don't try to fix the tool**, return it to HSS Hire.

When hammer doesn't work, the reason is usually that the power tool is too cold. Allow the tool to warm up to the minimum operating temperature. After warming up the tool and the hammer still fails to operate, return the tool to HSS Hire.

When the power tool doesn't start or cuts out during operation and the LED blinks red this usually indicates a temporary fault; overheating or overvoltage. This can be fixed by releasing the switch and allowing the power tool to cool down or by connecting it to a different electric supply.

If the power tool doesn't start or cuts out during operation and the LED lights red constantly, return the unit to HSS Hire.

If the power tool doesn't start or cuts out during operation check the extension cord is not too long or its gauge is inadequate. Use an extension cord of an approved length and / or of adequate gauge.

If the fault cannot be eliminated by the measures listed above, return to HSS Hire.

SPECIFICATIONS

Rated voltage	110 V
Rated current input	15A
Mains frequency	50-60 Hz
Weight of power tool	29.9 kg (65.92 lb)
Dimensions (L x W x H)	808 mm (31.81") x 610 mm (24.02") x 209 mm (8.23")
Hammering frequency under load	860/min
Single impact energy	68J
Weight of transport trolley	10.8 kg (23.81 lb)

EQUIPMENT CARE

Never operate the power tool when the ventilation slots are blocked. Clean the ventilation slots carefully using a dry brush. Do not permit foreign objects to enter the interior of the power tool. Clean the outside of the power tool at regular intervals using a slightly damp cloth.

Do not use a spray, steam pressure cleaning equipment or running water for cleaning. This may negatively affect the electrical safety of the power tool. Always keep the grip surfaces of the power tool free from oil and grease. Do not use cleaning agents which contain silicone.

Regularly, **clean off dirt and dust deposits adhering to the insert tools and protect them from corrosion by wiping the insert tools from time to time with an oil-soaked rag.**

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.

Handle the equipment with care. Avoid dropping it, knocking it, or otherwise exposing it to damage.

Never expose the equipment to dangerous and/or corrosive chemicals.

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.

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

FINISHING OFF

Switch off both the tool and its power supply before unplugging it and neatly coiling its flex.

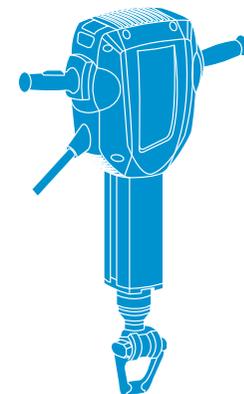
Let the tool cool down.

Remove the insert tool and place the breaker on the transport trolley.

When the equipment is not in use **store it out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

Finally, **clean the equipment with a damp cloth** (never use cleaning agents) ready for return to HSS Hire.

HSS Hire



Heavy Duty Breaker

Heavy duty electric breaker for chiseling concrete, masonry and asphalt.



... 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

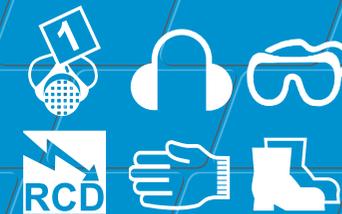
...any comments?

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

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Code O2102

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 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.

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

 This equipment generates potentially harmful noise levels. To comply with Health & Safety at Work regulations, ear defenders must be worn by everyone in the vicinity.

 Some materials 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 for details.

 Safety goggles MUST be worn by everyone in the work area while the equipment is in use.

Never use the equipment near combustible materials or in potentially explosive atmospheres.

Never use the equipment near computers or other sensitive, electronic equipment.

Keep the electric motor's air-vents clear at all times.

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 equipment before changing steels. Never leave it switched on and unattended.

Always hold the power tool securely with both hands on the grips provided. Keep the grips dry, clean and free from oil and grease.

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

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. The power tool may be used only in a dry environment.

Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a moving part of the power tool may result in personal injury.

Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

Do not try to repair or modify the equipment. If this tool can't do what you expect or fails to work return to 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 power supply, or powered from the mains via a suitable 110V transformer.

When necessary use only extension cords of a type approved for the application and with conductors of adequate cross section. The power tool may otherwise lose performance and the extension cord may overheat. Check the extension cord at regular intervals. If shows any signs of damage replace immediately.

When the equipment needs extension cord it is recommended to use minimum 2,5 mm² cross section cord with maximum length of 20m.

When working outdoors, use only extension cords that are approved and correspondingly marked for this application.

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.

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

Keep flexes out of harm's way and clear of moving parts.

Prevent unintentional starting. Ensure the switch is in the OFF position before connecting to power source, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

 To reduce the risk of electric shock, use a suitable RCD (Residual Current-Operated Device) available from HSS Hire.

Never carry or pull the tool by its flex.

Ensure the equipment is switched OFF before plugging it into its power supply.

GETTING STARTED

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

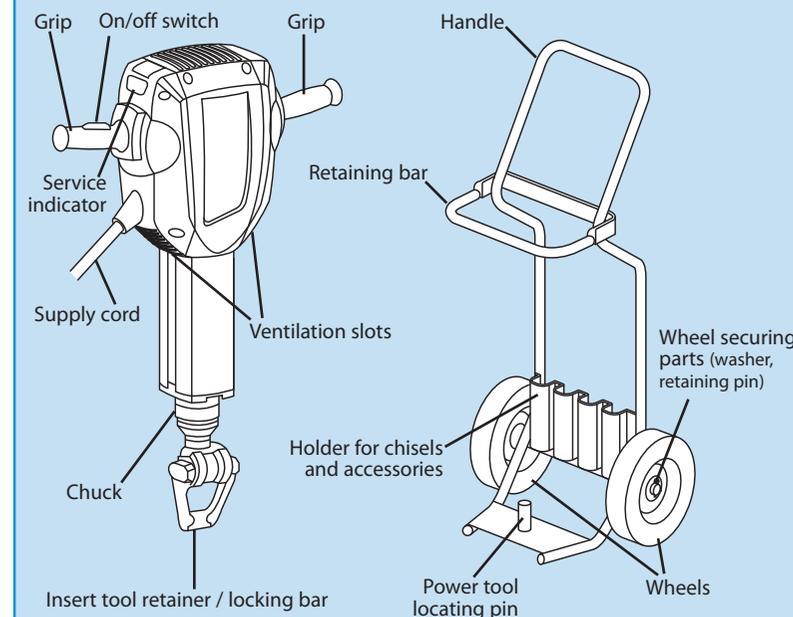
The HSS Heavy Duty Breaker is a hand-guided electric tool for chiseling on concrete, masonry and asphalt. Other applications are compacting and excavation (e.g. in soil).

Its typical working environment is construction sites of all kinds and it may be used for construction work, finishing, renovation, demolition and road work.

TRANSPORTATION

Use the transport trolley or other means of conveyance whenever possible. The power tool should always be carried by two persons if no transport trolley or means of conveyance is available for use. Be aware that the power tool plus transport trolley present a considerable weight.

IDENTIFIER



INSERT TOOLS

TE-H28P SM		400 mm
		500 mm
TE-H28P FM		400 mm
		500 mm
TE-H28P SPM		80/400 mm
		80/500 mm
TE-H28P SPMA		125/450 mm
TE-H28P SPI		500 mm
TE-H28		400 mm
TE STP		150 x 150 mm
		200 x 200 mm

CAUTION

DO NOT PARK THE TRANSPORT TROLLEY ON AN INCLINE.

TAKE CARE TO USE ONLY SAFE TRANSPORT ROUTES.

TAKE CARE TO ENSURE THAT THE TROLLEY STANDS IN A STEADY, SECURE POSITION.



Place the power tool on the locating pin provided on the transport trolley and always secure it for transport by closing the retaining bar.

Put the chisels in the holder provided, pushing them in as far as they will go until held securely.

BEFORE BEGINNING WORK

Check the working area (e.g. using a metal detector) to ensure that no concealed electric cables or gas and water pipes are present. External metal parts of the power tool may become live, for example, when an electric cable is damaged accidentally. This presents a serious risk of electric shock. If in doubt, use a cable avoiding tool available from HSS Hire.

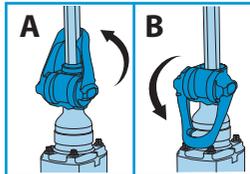
Analyse the work place to choose the right insert tool for your task and a length suitable for your body height.

Disconnect the mains plug from the power outlet. Also make sure the breaker's power switch is set to OFF position.

Check that the connection end of the chisel is clean and lightly greased. Clean it and grease it if necessary.

 Check that the chuck and locking bar are clean and undamaged.

Push the insert tool into the chuck and pivot the retaining bar to locking position A for insert tools with a collar or to locking position B for insert tools with a groove (position the chisel so that the groove is facing locking position B).



NOTE Insert tools with a combined connection end (with collar and groove) can be locked in position A or B, as desired.

Check that the chisel has engaged correctly by pulling it. To remove the chisel make sure the power tool is switched off and mains plug is disconnected from the power outlet.

Open the locking bar by pivoting it approx. 90° and pull the chisel out of the chuck.

WARNING

DO NOT LAY A HOT INSERT TOOL DOWN ON FLAMMABLE MATERIALS. THIS COULD CAUSE THE MATERIAL TO IGNITE, RESULTING IN A FIRE.