ASSET CONSTRUCTION HIRE PTY LTD

"Let us be an asset to your business"

DIAMOND GRINDER SAFETY SHEET

(Hilti DG150)

PERSONAL PROTECTION EQUIPMENT (PPE)

PROTECTIVE GLOVES | HEARING PROTECTION | SAFETY GLASSES | RESPIRATORY PROTECTION | PROTECTIVE HELMET | PROTECTIVE BOOTS

IMPORTANT - CONDUCT A RISK ASSESSMENT

Before you commence any work at your chosen work area, you should undertake some preliminary hazard identification and risk control precautions. Ideally more than one person should do this. This is undertaken by:

1. Physically inspecting the work site
2. Reviewing the best way/job steps required to complete the task
3. Reviewing the Safe Work Information supplied with the equipment
4. Reviewing other reference documentation and expert advice.

The hazard identification and control process steps are defined as:

1. Identify the Hazards (eg. 240V power drill use around wet areas)
2. Assess the Risk (multi earth paths - possible electrocution)
3. Select the Control Measure (e.g. dry the area; use an RCD; use a cordless drill etc)
4. Re-assess the Risk (risk of electrocution now negligible). This is undertaken to ensure that the risk control measures adopted have not introduced any new risks to the work area.

PLEASE READ THIS GUIDE CAREFULLY BEFORE OPERATING THE EQUIPMENT

HELP AND SUPPORT

If the unit does not operate correctly or you are unhappy with its performance, return it to Asset Construction Hire for an exchange, or phone for assistance. Do not attempt repairs yourself.

Asset Construction Hire
Phone:1300 361 383 or email: office@assethire.com.au

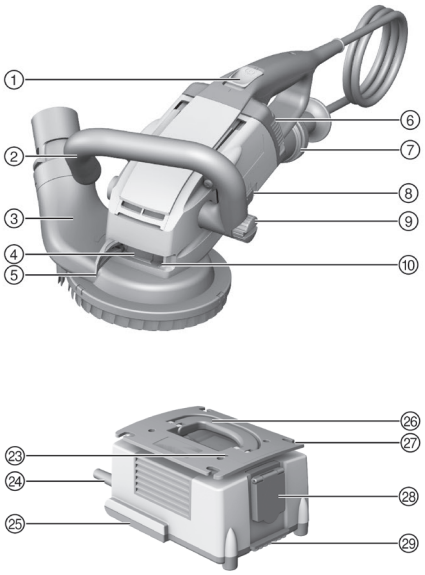
OPERATION MANUAL

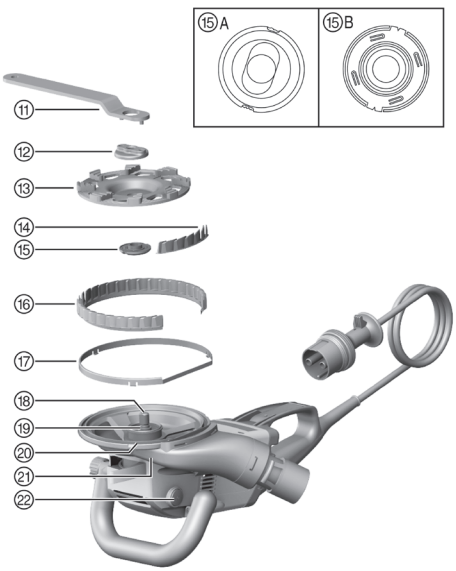
A PDF of the full Operation Manual is available at:
www.assethire.com.au/manuals-specs-safety-sheets/
and must be read before using the equipment.

BEFORE OPERATING THE EQUIPMENT:

- Read this Safety Sheet and any other information provided with the equipment, including instructions, decals and operation guidelines.
- Check that you understand how and when the use the equipment, and know how to operate it safely.
- Ensure that it is only used according to the manufacturers and hirer's instructions, and only for work that is compatable with its technical limitations.
- Operate in a clear work area free from nonessential persons, children, animals or hazards.
- Ensure that you have a secure footing and clear access and egress to the work area while on the job.
- Do not operate any equipment if you are tired or suffering any medical condition, or if under the influence of drugs or alcohol which may cause lethargy or dangers to yourself or others.
- Do not use faulty equipment. If in doubt contact Asset Construction Hire.

MAIN COMPONENTS





1. On/off switch
2. Side handle
3. Guard, complete
4. Clamping band
5. Clamping lever
6. LED indicator
7. Machine supply plug
8. Speed selector switch (speeds 1 and 2)
9. Side-handle locking screw
10. Adjusting screw
11. Pin wrench
12. Clamping nut
13. Diamond cup wheel
14. Lamellar seal, small
15. Clamping flange
16. Lamellar seal, large
17. Retaining ring
18. Arbor
19. Locking ring
20. Guard bottom section
21. Guard top section
22. Arbor lockbutton
23. LED indicator
24. Supply cord
25. Locating lug
26. Carrying handle
27. Clip for power cord
28. Electrical socket with hinged cover
29. Latching lug

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SAFETY INFORMATION

- This power tool is intended to function as a grinder. Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
- Operations such as sanding, wire brushing polishing or cutting are not recommended to be performed with this power tool. Operations for which the power tool was not designed may create a hazard and cause personal injury.
- Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.
- The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.
- The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.
- Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
- Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.
- Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.
- Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control. Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- Do not operate the power tool near flammable materials. Sparks could ignite these materials. Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.
- Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.
- Never place your hand near the rotating accessory. Accessory may kickback over your hand. Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.
- Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.
- Do not attach a saw chain woodcarving blade or toothed saw blade. Such blades create frequent kickback and loss of control.

BASIC OPERATION

Adjusting the guard

1. Set the device on the work surface.
2. Release the clamping lever.
3. Turn the retaining ring with lamellar seal until the gap between lamellar seal and work surface is correct.
4. Turn the guard to the desired position.
5. Close the clamping lever.

Adjusting the guard for working close to an edge

1. Release the clamping lever.
2. Turn the top part of the guard relative to the bottom part until the desired position is reached.
3. Set the device on the work surface.
4. Turn the retaining ring with lamellar seal until the gap between lamellar seal and work surface is correct.
5. Close the clamping lever.

Adjusting the side handle

1. Slacken the side handle by turning the securing screw counter-clockwise.
2. Swing the side handle forward or back to the desired position.
3. Secure the side handle by turning the securing screw clockwise.

Fitting a diamond cup wheel

1. Fit the clamping flange onto the spindle with the O-shaped depression facing the tool, so that the clamping flange engages (keyed fit).
2. Fit the grinding disc onto the centering collar on the clamping flange.
3. Screw on the clamping nut in a clockwise direction and then use the wrench to tighten it against the resistance of the motor/gearing.

Removing the diamond cup wheel

1. Press and hold down the arbor lockbutton.
2. Release the clamping nut by gripping it with the wrench and turning the nut counter-clockwise.
3. Remove the clamping nut.
4. Release the arbor lockbutton and remove the diamond cup wheel.

Setting the speed of the diamond cup wheel

1. Use speed I for better dust control when grinding off soft mineral materials, such as paint from cement rendering, and to make the power tool easier to guide when grinding off coatings from soft materials.
2. Use speed II to apply the full power of the tool when grinding hard mineral materials such as concrete,floor screeding or natural stone.

Switching on

1. Connect the grinder to an industrial vacuum cleaner.
2. Plug the grinder's supply cord plug into the power outlet of the DPC 20.
3. Plug the DPC 20 into the power outlet of the electricity supply. The LED lights green.
4. Lift the power tool clear of the work surface.
5. Push the on/off switch forward to the on position (I). The on/off switch engages in the on position (I).

Grinding

1. Always keep the grinder close to the work surface.
2. Move the device back and forth.
3. Apply moderate pressure and do not dig the tool into the material.

Switching off

1. Press the on/off switch. The on/off switch goes to the off position (0) when released.
2. Disconnect the supply cord plug from the power outlet.
3. If an industrial vacuum cleaner was in use, disconnect the hose connection between the device and the industrial vacuum cleaner.