

Using the Bomag Roller

1. Wear the protective equipment including safety boots and gloves.
2. Always keep hands, feet and clothing away from moving parts of the roller.
3. The handles of the roller should be held firmly with two hands before pulling one of the control levers in – the steering arm may move unexpectedly as the drive is taken up.
4. This roller can be turned and manoeuvred easily using the engine to drive it forwards and backwards. Do not try to move it with the drum or engine stopped.
5. Check that there are no obstructions before driving the roller in reverse. Release the control lever straight away if it is necessary to stop the machine.
6. Make sure that the support leg has been retracted before starting work.
7. Do not use the roller on slopes that are too steep.
8. The Bomag roller has a water sprinkler system, use it to help prevent the compacted surface sticking to the drum. The operating control is on the water tank on the opposite side to the filler cap.
9. Watch out for signs that vibration may be affecting the hands. If fingers start to tingle or feel numb, take a short break from using the roller. Exercise the fingers to encourage blood circulation.
10. To help prevent vibration affecting the hands, operate the roller for shorter periods. Hands should be kept warm – wearing gloves may help to do this.
11. Do not operate the vibrating action on very hard surfaces such as concrete or frozen ground.
12. If an obstruction becomes jammed in the drum scraper, or something gets tangled in the drive mechanism, the engine must be stopped before clearing the obstruction.
13. Stop the engine if leaving the machine unattended.
14. If the equipment does not work properly do not attempt to repair it. Contact the hire company.
15. Please store this leaflet safely. It may be required for further information.

Please keep this leaflet safely as it may be required for future reference

Bomag BW55E Vibrating Roller

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read this entire leaflet BEFORE using the Bomag Roller

1. Petrol is highly flammable. Take care not to cause a fire or explosion.
2. This vibrating roller is designed to compact crushed hardcore, backfill, asphalt and other road surfacing materials on level surfaces or gentle slopes.
3. The action of this vibrating roller can cause injury or damage if the machine is not used in a careful and controlled way.
4. If the operator has not used a vibrating roller before, they should familiarise themselves with the machine on some straightforward work before starting on the main task.
5. The work should be thought out and planned ahead to ensure that it is carried out safely.
6. The following items of personal protective equipment must be worn as a minimum:
Ear muffs or plugs giving hearing protection for levels up to 96 dB(A);
Safety boots to EN345 or BS1870/4972;
Gloves
7. The machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This vibrating roller is designed for operation by an able bodied-adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



BEFORE STARTING WORK

WORK AREA

1. Do not use this machine where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
2. Using this equipment indoors or in confined spaces could cause **fatal** carbon monoxide poisoning. **Never** use it in domestic premises and only use it in other indoor situations if its suitability and the ventilation required has been **fully** assessed. Mechanical extraction ventilation will almost always be required.
3. Make sure that the area is clear and safe and that no-one is nearby who could cause a distraction.
4. Protect others from the noise, and from injury. Warn others to keep away, put up warning signs, or barriers around the work area.
5. The vibrating roller may damage pipes or cables laid just beneath the surface.
6. Do not use this roller on slopes where it may be difficult to control. Contact the hire company if a machine is needed to do this

OPERATORS

1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever this machine is used. Particular jobs or environments may require a higher level of protection.
2. This equipment is likely to cause noise levels up to 98 dB(A) – wear appropriate ear muffs or plugs giving hearing protection for this level as a minimum.
3. Safety boots must be worn (EN345 or BS1870/4972).
4. Make sure that no loose, flapping clothing or long hair gets caught in the roller.
5. Anybody who is working nearby will also need to wear personal protective equipment.

Before Starting Work...



BOMAG VIBRATING ROLLER

1. Check the machine, engine, and all equipment. Do not use anything found to be damaged – contact the hire company.
2. Check that the steering arm is at a suitable height, and that the steering arm lock has been locked after any adjustment.
3. The Bomag roller has a water sprinkler system to help prevent the compacted surface sticking to the drum. Top up the water tank before starting work. The tank is at the front of the machine and the tank filler cap is on the top left when standing in the operating position holding the handle.
4. Vibration from using this vibrating roller can be hazardous. Hands should be warmed up before starting work, and gloves should be worn to keep hands warm whilst working.
5. Ensure that all of the controls are understood. Before starting the machine it must be known how to stop it.
6. Do not drive this roller on the public highway under its own power unless all relevant regulations are complied with. Check with the hire company.

CONTROLS

1. The engine ON / OFF switch is mounted on the engine unit, near to the recoil starter. It is labeled ON / OFF or RUN / STOP. Use this control to stop the engine completely.
2. The throttle lever is mounted on the steering arm by the hand controls. It has three positions, for IDLE, RUN and VIBRATION. The throttle should be in



- the idle position for starting, but it needs to be moved to the run position to drive the roller forwards or backwards.
3. The third position on the throttle lever controls the vibration action.
 4. Forward and reverse movement of the roller is controlled by the two levers on the handle. Pull in the FORWARD (right hand) lever to drive the machine forwards. When the lever is released, the machine will stop moving. Use the REVERSE (left hand) lever to drive backwards.

REFUELLING

1. No smoking.
2. Stop the engine and let it cool down.
3. If possible move the machinery away from the work area.
4. Check which is the petrol tank as the machine also has a water tank.
5. Clean the filler cap and the area around it to prevent dirt falling into the fuel tank.
6. Use a funnel and clean petrol when refueling. Do not spill any fuel on people or the machine.
7. Wipe any fuel off the machine. Dispose of the fuel soaked cloth carefully.
8. If any fuel is spilled on the ground, wipe it up or cover it with soil
9. If any fuel is spilled on clothes, they must be changed immediately.
10. Put all fuel caps back on properly, and move the fuel can to a safe, cool place.

STARTING THE ENGINE FROM COLD

1. The engine has a low oil warning system that will prevent the engine

starting if the oil level is too low, or if the machine is on too great a slope. This will be indicated by the warning light next to the engine on / off switch. Check the oil level before trying to start the engine.

2. Open the fuel tank vent valve on the fuel filler cap.
3. Open the fuel valve by the fuel tank.
4. Close the choke.
5. Turn the engine switch to the ON position.
6. Check that the throttle lever is at IDLE, which is position one.
7. With the right hand, pull out the starter handle out slowly until it is clear that the starter has engaged with the engine, then pull it quickly and strongly. Don't pull it too far, or it may break.
8. Guide the cord back into place so that it recoils correctly.
9. If the engine is now running set the choke control to half position. It can then be opened gradually as the engine warms up.
10. 10. If the engine did not start, check that there is sufficient petrol and oil, and that all controls are in the correct positions. Pull the starter cord again.
11. In cold weather, it may be necessary to let the engine warm up by gently opening the throttle, before starting work.

STARTING FROM WARM

1. Set the choke lever to the fully open position and check that the fuel valve is open.
2. Follow the rest of the instructions from instruction 5 onwards, given in the section "starting from cold" above.