

## ● Operation

### Driving the machine

- Do not step or allow anyone else into the articulation area of the machine. Danger of crushing.
- Do not operate with persons in the endangered area of operation.
- Always give warning for persons to clear the area. Stop the machine if persons remain in the area.
- NEVER use the emergency stop switch as a service brake.
- In the event of an emergency, use the emergency stop switch immediately.
- Only restart the machine if the danger has passed.
- Always keep the cabin doors closed.
- Do not climb on or off the machine while driving.
- Only change machine direction when the machine is standing.
- Never use the machine to transport passengers.
- Stop the machine immediately if you notice unusual noises or smoke from the machine.
- Do not restart until the cause is identified and rectified.
- Always keep sufficient distances from excavations and embankments. Make sure your work does not impair the stability of the machine.
- Do not drive up or down gradients which exceed the gradability of the machine.
- Only drive directly up or down slopes
- Always use lowest applicable gear and speed range for slope.
- Show caution when driving on wet or loose soils as ground adhesion is severely reduced.
- Match machine speed to working conditions.
- Use lights if fitted in times of poor visibility.

### Towing

- The tow point is for recovery of the equipment in the event of breakdown.
- Towing with the backhoe loader should not be performed without reference to the Operators Manual.

### Refuelling

- Take care when refuelling.
- Never refuel whilst the engine is running.
- Do not inhale fuel fumes.
- Shut down any auxiliary equipment.
- Do not refuel in closed rooms.
- Do not refuel next to open fires.
- Do not smoke when refuelling.
- Do not spill fuel.
- Catch any over filled escaping fuel.
- Clean any fuel spillages immediately.
- Ensure the fuel tank cap is replaced after refuelling.
- Fuel leaks are dangerous, repair leaks immediately.

### Parking

- Park the machine on firm level ground.
- Park the machine with the articulated joint straight.
- Return the travel lever to neutral.
- Apply the parking brake.
- Shut down the engine and remove the key.
- Lock the cabin.
- Secure the machine against unauthorised use.
- Always climb down from the machine using access steps and handrails.
- Always use three points of contact.
- NEVER jump from the machine.

### Rolling

- Always operate at full throttle, use the travel control lever to regulate the speed.
- When compacting with vibration check the effect of the vibration on nearby buildings and underground services.
- Do not use the vibration on hard ground i.e. frozen, concrete.
- Always drive carefully on slopes, only drive up and down never diagonally. Wet and loose soils reduce the ground adhesion of the machine on gradients and slopes.
- Always keep a safe distance from excavations.
- Where possible park the machine on firm and level ground, if parked on a gradient always chock the drums.
- Never leave the machine unattended with the key in the ignition.
- Be aware of other site personnel at all times.
- The steering arm must always point uphill when driving up or down slopes.
- Take care when changing direction, always let the machine come to a halt before changing direction (forward/ reverse).
- Never leave the machine unattended with the engine running.

**!** Please read these instructions before using this equipment.

We thoroughly check all of our equipment prior to despatch using comprehensive pre-hire checklists.

All equipment is serviced regularly and our local engineer will contact you to arrange on site servicing or maintenance in accordance with our scheduled maintenance programme.

PPE is required for the safe operation of this equipment. As a minimum we advise the following items.



Always ensure you wear the correct PPE required by the task.

### Watch our safety videos

You can watch our safety videos on our website or app. Alternatively, scan the QR code with your mobile phone to watch the safety video for this equipment.



### Further Information

Copies of this guide are available on our website or from your nearest depot.

- Please contact your local depot for;
- Service or repairs
  - Replacement operator manuals

### Contact Us

0844 3722200    [nixonhire.com](http://nixonhire.com)

**Your Essential Guide**  
Compaction Equipment - LARGE

**Your Safety Is Our Priority.**

## ● General Information

**These safety guidelines are intended as a guide for experienced operators.**

- Detailed operating instructions relative to a specific make or model of equipment are available on request from your nearest depot.
- The operator manual and safety instructions must be read before operating this machine.
- The operator manual can be found in the designated storage compartment of the machine. If it is not there contact the nearest depot for a replacement.
- It is a criminal offence to smoke or allow smoking in this machine.
- Only use the machine for the purpose intended.
- Never attempt to modify or convert the machine.
- Only use competent, trained personnel to drive the machine.
- Do not ignore safety regulations relating to this machine.
- This machine must only be operated with fully functional safety equipment.
- Ensure you obey any age limitations relating to your site before using this machine.
- Always obey legislation relating to this equipment.
- Anyone with a disability should seek expert advice before operating this machine.
- Do not use this machine if under the influence of drugs or alcohol.
- If using prescribed medication, seek advice from a Doctor before using this machine.
- All safety decals and signs must be in place and obeyed at all times when using this machine.
- Ensure the work area is clear and safe and that no-one is nearby or could distract you.
- Before starting equipment, ensure all controls are understood, in particular the stop procedure.
- After use, store the equipment safely and securely away from minors.
- **Has a risk assessment been performed for the task you are to commence?**

## ● Daily Checks

**The operator should carry out the following daily checks before operating this machine;**

- **Seat:** Security, adjustment, comfort.
- **Seat Belt:** Frayed, cuts, buckles damaged, loose mountings.
- **Horn:** Operation.
- **Controls:** Function correctly, are not slippery and are clear of debris.
- **Steering:** Function, hydraulic leaks  
Check that the areas around pivot points, rams and linkages are free from mud, ice or debris.  
Ensure that all safety decals are in place and can be read clearly.
- **Structure:** Condition of body and chassis.
- **Fluid Levels:** Check prior to use and thereafter every four hours.  
The cooling vents for the motor are clear of dust and debris.  
The air filter intake is clear

## ● ROPS\FOPS

- Roll over Protection Falling Object Protection Systems (ROPS\FOPS) are integral to the cab structure if the equipment is fitted with a cab.
- Always check that there are no cracks, fractures, distortion, bends or corrosion on any part of the ROPS\FOPS system.
- ROPS should not rattle when the machine is driven. Have the ROPS checked if this occurs.
- All screw nuts and bolts should be correctly tightened and in good condition.
- No additional parts must be fitted to the ROPS system. Holes must not be drilled or any items welded to the structure.
- The ROPS should always be used when operating this machine.
- If the customer requires the machine to be used with the ROPS folded down then the customer must carry out a full risk assessment.

## ● Operation

- Only operate the machine from the operator's seat and wear a seat belt.
- Only use the machine if it is in service.
- Only use the machine when you are familiar with all controls and functions.
- Only use the machine on ground you are familiar with.
- Always wear suitable personal protective equipment as depicted above.
- Check to ensure the area is clear of persons and obstructions before operation.
- Check to ensure that handrails, steps and platforms are free from grease, oils, fuels, dirt, snow and ice.
- Check the engine compartment hood is closed and locked.
- Always use handrails and three point climb when accessing the machine.
- Check the machine for obvious defects.
- Check that all protective devices are in place.
- Check the steering, brakes, control elements, lighting and horn are all working.
- The seat is correctly adjusted (do not adjust while driving).
- The mirrors (if fitted) are clean and adjusted to suit the operator.
- Do not start the machine if any gauges, control lights or controls are defective.
- Do not take loose objects with you or fasten them to the machine.
- Ensure control levers are in neutral before starting the machine.
- Always check all gauges after starting.
- Only start in enclosed areas if sufficient supply of fresh air is available.
- Exhaust gases are toxic and must be vented

## ● Specific Equipment

### **Pedestrian Roller**

- Ensure the steering handle is secure.
- Ensure the balance wheel if fitted is operational.
- HAVS. Please read the notice below.

### **Remote Control Trench Roller**

- NEVER operate the roller when other personnel are in the excavation.
- Whenever possible operate the roller from the top of the excavation.
- DO NOT allow the cover of the remote sensor to become dirty this will affect safe operation of the machine.
- At the end of the working day ensure that the control is put on charge for use the next day.

### **Towed Roller**

- Always ensure the towing vehicle is capable of towing the roller.
- Ensure that when hitching or unhitching that body parts are clear of the tow hitch.
- When hitching up the machine, DO NOT stand between the machine and the towing vehicle, stand to the side when giving instructions.
- Where possible park the machine on firm and level ground, always chock the drum.

### **Vibrating plates and Rammers**

- When starting the engine (handle start) stand in the correct position to the engine and hold the crank handle correctly.
- When guiding the machine take care that hands do not knock against hard materials thus causing injury.
- If using the machine indoors or in a confined space (trench) ensure that there is adequate ventilation.  
**Remember exhaust fumes can kill.**
- The machine must only be operated at full engine speed so as not to damage the centrifugal clutch.
- Do not vibrate the machine on consolidated ground or concrete.
- Never leave the machine unattended with the engine running.
- Always keep feet clear of operating equipment especially the ground contact point.
- Caution when handling – do not lift manually.

**!** **HAVS:** Hand-Arm vibration syndrome is a disease that can lead to permanent disability. This can be caused by prolonged use of any tool or powered equipment that vibrates during operation. For information on manufacturers vibration levels consult our brochure. **As a precaution, stop working if you experience discomfort or numbness when operating the equipment.**