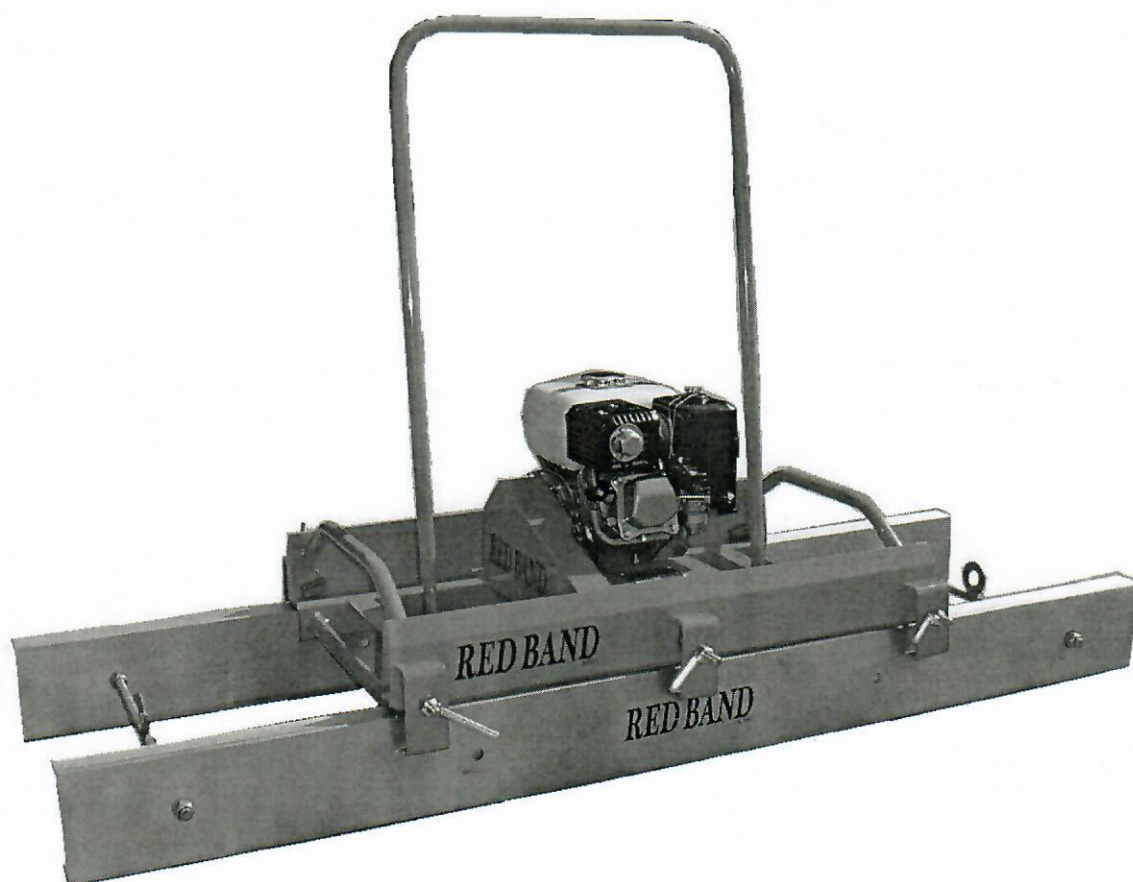


OPERATOR'S SAFETY AND SERVICE MANUAL



RED BAND VSA-55 VIBRATING SCREEDER



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ASSEMBLY, OPERATING AND SAFETY INSTRUCTIONS FOR THE RED BAND VSA55 VIBRATING SCREEDER

1. GENERAL

The Red Band VSA55 vibrating screeder enables concrete to be laid efficiently and with less effort than conventional methods.

Maximum vibration is concentrated on the leading beam to achieve good compaction. Lighter vibration is applied to the following beam, to achieve a smooth finish.

2. FITTING OF A PAIR OF BEAMS

Obtain a pair of suitable aluminium beams, varying lengths are available from Red Band.

The beams should be slightly longer than the size of the bay to be tamped and preferably each beam measuring 50mm wide and 150mm deep.

For beam lengths over 6.2m, the use of 2 drive units is recommended to achieve optimum consolidation.

Aluminium beams, because they are extruded in channel form, must be filled with a single block of wood, also referred to as a packer, long enough to cover the three clamping points located on each side of the drive unit chassis/frame, to ensure the optimum rigidity and longevity of the beams.

Mounting and subsequent use of the drive unit on the beams without packers inserted in the channel will result in the distortion and buckling of the beam(s).

Distorted and/or buckled beams are unsuitable for site use.

Wooden packers are supplied as standard with each pair of Red Band beams.

Threaded tie bars are supplied to maximise rigidity between beams and should be located in holes provided at the beam-ends. Inside nut/washer spacing (500mm)

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Always ensure that the aluminium beams are fitted to the drive unit with both the flat sides facing in the direction of travel with 150mm (6") part of the beam on the vertical.

The direction of travel of the drive unit is indicated by the downward sloping pitch of the fitted belt guard.

The machine has an integral lifting bar at each end of the top frame for the purpose of lifting on and off the beam set.

Place the screeder drive unit on top of the beams, ensuring that the drive unit is in the centre of the beams. When in place, tighten all six clamps with the bolts and levers supplied.

Always ensure that when two drive units are mounted simultaneously, i.e. on beam lengths exceeding 6.2m, that they are equally spaced on the beam set.

Fit handle supplied onto the rubber mounting blocks provided on the drive unit chassis/ frame in an upright position.

3 ON-SITE OPERATION OF THE SCREEDER

Place the screeder unit and beams on top of form over concrete bay with the direction of travel facing towards the new concrete.

Check that there are no obstructions on either side of forms. Remove or hammer down any/all protruding nails etc, so as not to restrict the machine whilst in motion.

After the concrete has been roughly levelled by hand, the screeder may be started.

Engine operating speed at full throttle is set to 3500 rpm for optimum performance.

It is usually necessary to make a second pass over the bay when all indentations have been filled in.

THERE ARE THREE WAYS TO USE THE VIBRATING SCREEDER OF EQUAL SUCCESS

1. By one operator pulling the unit along by the main handle from inside the bay.

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2. By two operators pulling unit with ropes attached to the cross struts on the outside of the beams, walking outside the formwork.
3. By two operators pulling the unit via beam end handles, supplied as an accessory, fitted into the ends of the tie bars.

4. ACCESSORIES AVAILABLE

Aluminium beam sets of varying sizes, supplied c/w wooden packers and tie bars.

Beam end handles, supplied as accessories, for use in enabling the unit to be manoeuvred more easily over rough formwork.

5. GENERAL MAINTENANCE

For engine maintenance, please refer to the engine manufacturer's operating instructions provided.

Tighten all nuts, bolts, etc daily.

It is recommended to coat the machine with a light oil prior to use, so that any concrete residue can easily be removed after use.

SAFETY POINTS TO BE OBSERVED WHEN USING THE RED BAND VSA55 VIBRATING SCREEDER

- ✓ IT IS ADVISABLE TO WEAR EAR PROTECTORS WHEN USING THESE MACHINES.
- ✓ IT IS ADVISABLE TO WEAR DUST MASKS WHEN USING THESE MACHINES.
- ✓ IT IS ADVISABLE TO WEAR EYE PROTECTORS WHEN USING THESE MACHINES.
- ✓ DO NOT OPERATE WITH LOOSE CLOTHING.
- ✓ ALWAYS WEAR APPROPRIATE FOOTWEAR.
- ✓ NEVER USE THESE MACHINES WHILST UNDER THE INFLUENCE OF DRUGS OR ALCOHOL.

THESE MACHINES ARE TO BE USED BY AUTHORISED PERSONNEL ONLY

- ✓ If you are in doubt on any point relative to this equipment or your responsibility as an operator/owner/hirer for the safe use of this equipment in accordance with current regulations of the Health and Safety at Work Act.

ACCESSORIES

- ✓ 5.2m, 6.2m and 7.2m aluminium beam sets, c/w packers and tie bars.
- ✓ Alternative aluminium beam lengths available on request.
- ✓ It is recommended that two drive units be used with beams greater than 6.2m in length.
- ✓ Beam and handles for two man operation.