

## Red Band RS Roller Striker Instructions

The Red Band RS Roller Striker is a fast, efficient and alternative way to the conventional dual beam screed to strike off and finish large floor area of newly laid concrete. Tubes of various sizes are fitted to a hydraulically powered drive handle, which in turn spins the tube over the surface, leaving aggregate near the surface, which results in a very strong floor. The RS Roller Striker is quick and easy to set up, use and clean.

### Warning

Before you attempt to either use or carry out any servicing or maintenance to this machine you must first make sure you have read and fully understand these operating instructions.

Know how to safely use the unit's controls and what you must do for safe maintenance.

(NB Be sure that you know how to switch the machine off before you switch it on in case you get into difficulty.)

Always wear or use the proper safety items required for your personal protection.

If you have any questions about the safe use or maintenance of this product please ask your supervisor or contact a member of the Red Band team.

## Pre Start Checks

### Pre start up inspection

The pre start instructions that follow must be performed before the start of each work session or after every four hours of use, whichever comes first. If any fault is discovered, the Roller Striker must not be used until the fault is rectified.

Thoroughly inspect the Roller Striker for signs of damage. Check that the handles are securely attached.

Check fluid lines, hoses filler openings, drain plugs and any other areas for signs of leakage. Fix any leaks before commencement of operation.

Inspect the entire unit for loose fittings and retighten/replace as necessary.

Ensure that all connections between the tube and drive end / opposite handles are secure and all locking pins are safely in place.

## Operating Instructions

### Start and stop procedure

#### CAUTION

Incorrect use of this machine can result in injury to the operator or improper operations can be hazardous. Ensure that you are familiar with the operation of the power pack and the roller striker before use.

Refer to the manufacturers operating instructions manual for the start up procedure for your hydraulic power pack.

Ensure the before starting the power pack that all connections are tight and that the control valve on the striker is in the neutral position.

Ensure that you move the control lever to the correct position for the direction of travel.

This will ensure that the striker is rotating in the opposite direction to that in which it is being pulled.

To start the Roller Striker, move the control lever to the left to rotate the tube in a clockwise direction and move it to the right to rotate the tube anti-clockwise.

### Transportation

If the Roller Striker is to be transported to another location, ensure that the Striker is not rotating and that the hydraulic pipes are disconnected. Never transport the roller striker whilst it is still connected to the drive source, even if it is only being moved a short distance.

#### CAUTION

Always ensure that you are aware of the direction of travel when using the roller striker. If you incorrectly engage the drive mechanism you will not only endanger yourself, but also jeopardize the other operator (s).

Having carried out the checks listed in the 'Start and Stop Procedure' section, you may connect it to the drive source and move the control lever to the on or drive position.

When positioned correctly the tube will start rotating away from the operator. Ensure that the other operator knows you are going to start the machine. Always check the tube for any signs of unusual noise. If this occurs, stop the

machine immediately and refer to the troubleshooting section in this manual. The roller striker will then require a consistent pulling movement to obtain a smooth finish.

## **Communication**

Poor communication can cause accidents. If two or more people are working the machine, make sure that each person is aware of what the others are doing. Before starting the machine, make sure others are clear of the danger areas. People can be seriously injured or killed if these precautions are not taken. Keep people around you informed of what you are doing. If you will be working with other people, make sure that they understand any hand signals that you intend to use. Work sites can be very noisy – do not rely of spoken commands.

## **Safety Instructions**

For your own personal protection and for the safety of those around you, please read and ensure that you fully understand the following safety information. It is the responsibility of the operator to ensure that they fully understand how to operate this equipment safely. If you are unsure about the safe and correct use of the equipment, ask for guidance from your supervisor or contact a member of the Red Band team.

### **CAUTION**

Improper maintenance can be hazardous. Read and understand this section before you perform any maintenance, service or repairs to the unit.

This equipment is heavy and must not be lifted single-handedly, either get help or use suitable lifting equipment.

Cordon off the work area and keep members of the public and unauthorized personnel at a safe distance.

Personal Protective Equipment (PPE) must be worn by the operator whenever this equipment is been used.

Make sure that you know how to switch the machine off before you switch it on in case you get into difficulty.

Always switch off the engine before either transporting or moving the unit around the site or when you carry out any maintenance, service or repairs to the unit.

During use the engine becomes very hot, allow the engine to cool before touching it. Never leave the engine running and unattended.

Always ensure that no person or object likely to obstruct you is in your line of travel. Watch your step to avoid tripping.

Never remove or tamper with any guards / pipes fitted, they are there for your protection. Always check guards for condition and security and if any parts are damaged or missing. Do not use the machine until the relevant part has been replaced or repaired.

Do not operate the machine when you are ill, feeling tired or when under the influence of alcohol or drugs.

## Health & Safety

### Vibration

Some vibration from the Roller Striker is transmitted through the handle to the operator's hands. Refer to Technical Data section for vibration levels.

### PPE (Personal Protective Equipment)

Suitable PPE must be worn when using this equipment, i.e. Safety Goggles, Gloves, Ear Defenders, Dust Mask and Steel Toe Capped footwear. Wear the appropriate clothing for the work you are doing. Always protect naked flesh from contact with concrete. Suitable ear defenders should always be used when operating the machine.

## Troubleshooting

Problem	Cause	Remedy
Tube not rotating	Not connected to power source	Connect to power source
Tube still not rotating	Major fault	Contact service agent or Red Band
Unusual noise or operation of the tube	Check drive / opposite end connections	Re-connect and re-try
Concrete sticking to striker tube	Concrete too dry	Wet concrete

## **Service & Maintenance**

Red Band RS Roller Strikers are designed to give many years of trouble free operation. Always use authentic Red Band spare parts, the use of non genuine parts may invalidate your warranty.

Before any maintenance is carried out on the machine, ensure that it has been disconnected from any power source.

Always ensure that the drive ends are kept clean and free from concrete deposits. Ensure that the drive ends are kept lubricated to avoid the build-up of rust.

## Technical Data

Weight (Drive & Opp. Handles)	22kg
Motor Power (hp)	3 Hp
Max. Drive Speed	500 Rpm
Pressure Required (Bar)	140 Bar
Flow Rate (l/min)	30l/min
Vibration (m/s <sup>2</sup> )	4.00 m/s <sup>2</sup>

Danfoss Hydraulic Components

ISO/IEC 17050-1 Declaration of Conformity

Hydraulic Hose & Assembles

SAE J1273/SAE J517

Hydraulic Adaptors,

ISO 8434-6/BS 5200

Quick Release Couplings,

ISO 1628 / Amd 1;206E

FORM REF B-A2

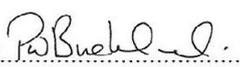
### QUALITY ASSURANCE CERTIFICATE 675

Quality Assurance Scheme  
This certificate is the property of

CUSTOMER : REDBAND UK LTD

DRAWING NO.	SERIAL NO:	DESCRIPTION	DELIVERY NOTE NO.	QTY	CUSTOMER ORDER NO.	INVOICE NO.	WORKS ORDER NO.
Assembly MK2 Sketch No 7 Iss D		Roller Striker Kit	6022/6033		11/364/AN	1103839/1103857	10454
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Certified that the whole of the supplied detailed herein have been inspected, tested and unless otherwise stated above that they conform in all respects to the specifications, drawings and contract/order relative thereto.

SIGNED..........INSPECTORS SIGN..........  
DATE.....28/2/2013.....