

Non-electric (Shotshell) Starter



Description

The Non-electric Starter is a small, stainless steel device designed to initiate signal tube with Shotshell primers. It is easily recognised from the mushroom-like striker lid.

Non-Electric Starters are manufactured in Australia by Orica Mining Services.

Safety

Firing shotshell primers can result in particle ejection. Safety glasses, or other suitable eye protection, should be worn when using the Starter.

The Starter must not be connected to any part of the signal tube system until the shot is safe to fire. The Starter must always be disconnected immediately from the system in the event of a failure to fire.

Application

Non-electric starters are suitable for the initiation of *Exel™* Lead-in-Lines, *Exel™ Connectaline™* and other major brands of signal tube.

Winchester W209 shotshell primers are recommended as they have been found to provide consistent energy output with low soot production.

Technical Properties

The Non-electric starter is manufactured in cast stainless steel. The maximum dimensions, of the assembled starter, are 85 x 85 x 75mm. Weight is 0.9 kg.

Recommendations For Use

Firing

Cut the signal tube from the *Exel™ Connectaline™* spool, or the end seal off the Lead-In-Line, with a sharp cutter. Ensure blunt cutting tools are not used as “squashed” tubing can contribute to a signal tube initiation failure. Also, take care to prevent any moisture from entering the cut end.

Insert the cut end of the signal tube into the firing barrel in the bottom of the Starter base, ensuring that it is seated firmly.

Clip the signal tube into the retaining slot in the side wall of the Starter base. Ensure that the end of the signal tube does not pull from the firing barrel.

Place the base of the starter on a suitably cleared, firm, horizontal area of ground with the signal tube directed away from the operator. In dusty or muddy conditions use the plastic base plate provided.

Lift off the lid of the Starter, taking care to prevent moisture entering. Place a shotshell primer in the firing chamber recess.

When ready to fire, gently replace the lid of the Starter.

To fire, give the lid a short sharp impact with the foot so that the striker pin impacts the primer. The firing primer will then initiate the signal tube.

After firing, remove the signal tube from the retaining slot in the Starter base and remove the fired primer. Jammed primers may be dislodged by turning the base upside down, and giving it a firm tap using the lid.

In the event of a failure to pick up, at least 2 metres of signal tube should be cut off the end before re-firing.

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Dirt build up in the base can be removed by washing with water. Shake to remove excess water and leave to dry.

Periodically check the firing chamber and barrel for soot build up. A 6.3 mm drill bit may be used to clear any build up in the firing chamber. Do not drill into the metal. The barrel should not require cleaning.

Maintenance

Dirt build up in the base can be removed by washing with water. Shake to remove excess water and leave to dry.

Periodically check the firing chamber and barrel for soot build up. A 6.3mm drill bit may be used to clear and build up in the firing chamber. Do not drill into the metal. The barrel should not require cleaning.

Storage and Handling

Complete starter kits, which include packs of shotshell primers. Must be securely stored according to the storage requirements of the primers. Accordingly store starter kits in a cool, dry, well ventilated place, away from all sources of ignition, below 60°C or as otherwise advised by the manufacturer.

Refer to the particular shotshell primer manufacturers specification for details on primer storage life.

Fired primers may be disposed of as metal waste. Unfired primers must be disposed of as munitions, according to local procedures.

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