



Mini Breacher's Boot™

The Mini Breacher's Boot™ is a small water tamped charge used to kick in doors. A smaller version of the Breacher's Boot™, the Mini Breacher's Boot™ is designed specifically to fit onto the side panels of plastic (uPVC) and wooden doors or to open the boot of a car by breaking the lock mechanism. The charges are made from soft plastic which does not produce sharp fragments. Users can adjust the explosive load and the number of charges depending upon the type of target.

Both Breacher's Boot™ and Mini Breacher's Boot™ are used by the British Police Force and are now their only approved and used charges. Designed for optimal performance the Mini Breacher's Boot™ has a low NEQ yet delivers a powerful punch.

Features include:

- > Precision loading allows for accurate load measurement
- > Small, lightweight and easy to use charge
- > Fielded widely in the UK and U.S.
- > Alford is an innovator of water disruption techniques

Working Principle

The working concept is to have significant water tamping behind the charge, and a Water Cushion™ between the charge and the door. This cushions the direct effect of the explosive and spreads the force across the surface area to impart the maximum amount of energy without actually cutting the door. The two parts of the charge have been specially designed to put water exactly where it is required while keeping the charge as small and as easy to handle as possible. A unique profile on the ends allows dual initiators to be connected to the charge quickly without the need for tape or clips. Multiple charges may be fixed together on a batten and initiated at a single point.

Explosive Load & Performance

Mini Breacher's Boot™ takes precise lengths of detonating cord, allowing for accurate measurement and adjustment of the explosive load. The water tamping also significantly reduces the blast over-pressure, reducing the required stand-off and overall risk to the breacher. When used against the steel-lined side panel of a uPVC door, three charges will consistently take the door off its hinges. For a thin steel or aluminium door, three or four centrally aligned Mini Breacher's Boot's will fold the door and remove it from its hinges. Mini Breacher's Boot™ can be deployed to open a car boot with a very light explosive load (4.5g/70 grains) without shaking the car.

Ease of Use

It is possible to assemble a three-charge array within 15 minutes. A dual water seal ensures the charges do not leak should it be necessary to prepare them in advance of a task. The front of the Mini Breacher's Boot™ is completely flat providing the maximum surface area for attachment to a target. Attachment can be done by using Breacher's Tape™ or Hydro Tape™ depending upon the texture and condition of the target surface. The back of the charge is contoured and can be easily gripped even when wearing gloves or in wet conditions.

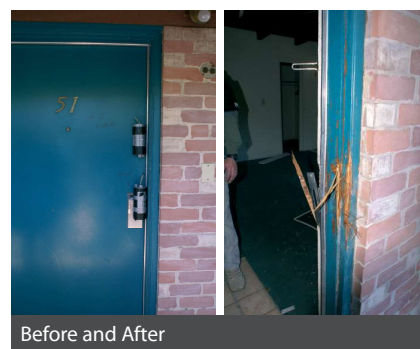
For further information

Contact sales@explosives.net, telephone +44(0)1249 65 1111 or speak to your authorised Alford representative.

Specifications

Size	200 x 75 x 60mm (8 x 3 x 2.5in)
Weight Full	800g (1.8lb)
NEQ Min	1.5g (23 grains) using a single strand of 10g/m (50 grain) detonating cord
NEQ Max	4.5g (70 grains) using 3 strands of 10g/m (50 grain) detonating cord

Note: Other weights of detcord, sheet explosive and multiple layers may be used to achieve lighter or heavier loads.



Other products to consider:

Breacher's Boot™ - for breaching doors

Gatecrasher™ & Gatecrasher Modular™ - for wall breaching

Alford Strip™ - an alternative for breaching doors or walls

Hydro Tape™ or Breacher's Tape™ - for affixing charges



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