

Blast protected combat boot

Art.Nr. 0600100



Technical Specification:

The protection system in our boot, unique in design and application of materials, incorporates features in the upper as well as the sole of the boot. The main protection system in the sole makes our boot very flexible and maneuverable compared to other antipersonnel landmines boots currently available in the market.

Another unique feature is the weight of our boot. Even with the added protection system our boot weighs only about 950g per boot. This makes them suitable for prolonged use without compromising performance by the user.

Our combat boots were independently tested by the Carnfield University Ordnance Test and Evaluation Center in the United Kingdom against certain common types of anti-personnel landmine of different explosive charge sizes. The test was conducted under strict conditions against what we believe to be two of the most likely scenarios. Firstly, stepping on an anti-personnel landmine at the heel and secondly, at the ball of the foot.

Our test results show that our boots can provide substantial protection against anti-personnel landmines. These tests were not uniformly successful against all anti-personnel landmine types tested, but they did show that our boots can provide substantial protection against high velocity fragments, debris and hot gas streams created during blast from particular common types of anti-personnel landmines at certain explosive charges.

Even where substantial protection is provided, injury will occur but may be mitigated such that the wearer may still suffer broken bones and other collateral damage but the integrity of the limb might be maintained and thus could prevent permanent disabilities, possibly sparing the wearer the agony and trauma of amputation and the associated costs of rehabilitation and after-care. However anti-personnel landmines are deadly weapons and we cannot and do not claim that the results of exposure to anti-personnel landmines will always be mitigated in a significant way by use of our boot. Also, there is no way of knowing what type of anti-personnel landmine an infantryman might be exposed to. No two anti-personnel landmine have the same destructive characteristics. To the best of our knowledge, there is no internationally accepted standard test for testing our boots and we do not claim that our boots are 100% anti-personnel landmine-proof.



Structure of the boot

Test pictures



Test prop



BCBI Boot after 50g explosion on ball



BCBI Boot after 70g explosion on heel

Specification:

Upper

Leather outer shell with a smooth finish
 Thickness – 1.4mm to 1.6mm
 Type-soft, durable full grain waterproof leather upper from the USA
 Finish waxed
 Intermediate Protection System
 Woven Aramid
 Specific density – 1.44g/m³
 Tenacity – 230mN/dtex
 Modulus of elasticity – 90 Gpa
 Elongation at break – 3.3%
 Water resistant laminate – polyurethane materials
 Water resistant seams – polyurethane materials
 Waterproof Cambrella lining

Sole

Protective sole system
 Sole base of lightweight dual density direct rubber soling

Lacing system

Comprises a set of eyelets, loop-hole hooks and rivets allowing full adjustability and quick release

Size

Mondopoint	U.S.sizes	EU sizes	U.K. sizes
247	5,5	39	5,5
255	6,5	40	6,5
262	7,5	41	7
270	8,5	42	8
277	9	43	9
285	10	44	9,5
292	11	45	10,5
300	12	46	11,5

Weight

About 950g per boot (size 42)

Demining operations in prone position is possible.