



# WESTMINSTER

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## WG 5A Bomb Disposal Suit



The state-of-the-art WG 5A Bomb Disposal Suit is an up-armoured version of the WG 5 Bomb Disposal Suit which has been in use for many years in many countries worldwide. The WG 5A provides the highest level of protection of any bomb suit currently manufactured, whilst at the same time offering maximum comfort and flexibility to the operator.

The ballistic levels and materials used in the various components of the Bomb Disposal Suit are tested and evaluated to the full quality assurance standard laid down by the appropriate Government organisations.

All the ballistic inserts used in the WG 5A EOD Bomb Disposal Suit are made of waterproof-treated Kevlar HT enclosed in a special water-resistant and anti-ultraviolet membrane. The outer cover is supplied in flame retarding, anti-cut, Nomex III. In hot and humid countries the WG 5A EOD Bomb Disposal Suit can be supplied in conjunction with the Cooling Suit.

### STANDARD FEATURES

- Air cooling blower and charger
- Carrying bag
- Chest protector plate
- Flexible knee system
- Groin protector plate
- Helmet with visor
- Jacket with attached collar
- Neck protector plate
- Optional integral radio earpiece and microphone with ambient sound facility
- Protective boot system
- Trousers

### MATERIALS

- Helmet: Compatible with any communication system. Air blower, Alkaline battery
- Moulded: GRP skin with elastomeric aramid core and inner lining
- Visor: Anti-Ballistic hard acrylic/polycarbonate laminate
- Suspension Harness: Webbing & Ballistic Nylon
- Jacket & Trousers: Ballistic Inserts: Multi-layer water repellent Kevlar 129 HT stitched for an enhanced protection level
- Groin Protector: 360° ballistic and flame protection
- Colour: Navy Blue or Military Green
- Blast Plates: Composite armoured plates with closed cell, linear foam

## SPECIFICATIONS

- Air Blower: 200 litres per minute minimum, 3 speed, can accommodate an NBC canister
- Approx. 15kg without blast plates
- Armoured Blast Plates: 1400 m/s, groin, chest and neck
- Helmet Communicator: Compatible with most communications systems - radio or hard-wired
- Helmet Visor: 688 m/s Anti-ballistic hardened acrylic/polycarbonate laminate with 788 m/s option available
- Helmet: 4.7kg
- Helmet: 600 m/s
- Insert: Du-Pont Kevlar 129HT multi-layer
- Level: STANAG NATO 2920
- Outer Cover: Nomex III
- Power Pack: 12v DC auxiliary output socket to power optional accessories such as helmet-mounted video camera or torch, mains AC and 12v DC provides 90% recharge within 15 mins
- Spinal Protector / Neck Protector
- Suit: 600 m/s (without armoured blast plates)
- Weight of Suit: Approximately 26kg with steel blast plate

## ARMOURED HELMET

- The EOD helmet is made of a GRP skin with an elastomeric aramid core and is fully adjustable to various sizes for perfect fit by means of the three point suspension and the removable spacer pads that Velcro to the inside
- The facility for a communication set consisting of a headphone and microphone, plus extension lead for attachment to any VHF radio transceiver, is incorporated as standard
- An alternative communications system comprising a headset, microphone, 100 metres of cable and speaker/amplifier, for communication between the operator and his controller, can also be supplied
- Also incorporated in the helmet is an air ventilation system which directs the flow of forced fresh air over the top of the helmet liner, across the visor and down over the operator's face ensuring efficient demisting and clear view
- The addition of an anti-blast neck-guard to the bottom front of the helmet closes any possible frontal gap between helmet and collar

## TROUSERS

- The trousers have fully adjustable supporting braces and wide Velcro waistband catering for small, medium and large sizes
- Affixed to the front of the trousers is a flexible groin protector retained in position by Velcro and elastic
- At the rear of the trousers an 'easy pull' heavy duty zip is used to fix the articulated flexible armour into position and is incorporated into a quick release Velcro system
- The WG 5A Bomb Suit incorporates a new foot protection system, providing additional protection to the front, side and base of the foot

## JACKET

- The jacket is a long-sleeved, side-opening design filled with flexible Kevlar armour
- Provision is made on the front for the attachment of rigid chest and groin blast plates by means of integral pockets with webbing and Velcro securing straps
- Pouches for working tools, blower and radio are attached to the front and back of the outer cover
- The high collar provides overlap protection to the helmet, visor and neck-guard
- Immediate removal of the jacket is achieved by use of the quick release straps attached to the side and shoulder