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WG 5 EOD Bomb Disposal Suit



The WG5 EOD Bomb Disposal Suit is in use with EOD operators in countries worldwide, providing a high level of protection whilst at the same time offering maximum comfort and flexibility to the operator.

Available in any size, the WG5 EOD Bomb Disposal Suit ballistic levels and materials used in the various components have been tested and evaluated to the internationally recognised Standard NATO (North Atlantic Treaty Organisation) Agreement (STANAG) 2920.

The equipment consists of the following separate items which collectively comprise the complete suit:

- Chest Protector Plate
- Flexible Groin Blast Plate
- Hand Protectors
- Helmet with Visor, Air Cooling Fan
- Jacket with attached Collar
- Molle Strips
- Neck Protector Plate
- Shoe Covers
- Shoulder Protectors
- Spinal Protector
- Trousers with Knee Protectors

All the ballistic inserts used in the EOD Bomb Disposal Suit are made of waterproof-treated Kevlar HT which are enclosed in a special water-resistant and anti-ultraviolet membrane. The outer cover is made of flame-retardant NOMEX III. In hot and humid countries, the EOD Bomb Disposal Suit can be supplied in conjunction with the Cooling Suit, which incorporates a very powerful cooling pump.

SPECIFICATIONS

- Helmet weight: 4.7 Kg
- Suit weight: 15 Kg without blast plates
- Suit weight: 29 Kg with blast plates
- Helmet HS Code: 6506 10 80
- Suit HS Code: 6211 33 10
- Delivery (2 x Boxes): Box 1 104 x 55 x 31cm @ 31 Kg
- Box 2 61 x 41 x 37cm @ 17 Kg

HELMET - The EOD helmet is made of a GRP skin with an elastomeric aramid core and is fully adjustable to fit various sizes for a perfect fit by means of the three-point suspension harness and the removable spacer pads that Velcro to the inside. The addition of an anti-blast throat guard to the bottom front of the helmet, known as a beard, closes any possible frontal gap between the helmet and the collar. The helmet incorporates a very powerful variable speed fan that can deliver a forced airflow of up to 200 litres per minute, ensuring maximum cooling comfort for the operator. Speakers for monitoring communication and ambient “surround” sound, plus a microphone are contained within the helmet and an automatic ambient sound facility cuts out any noise above 70 decibels. All the helmet functions are regulated and adjusted by the Remote Controller.

- GRP skin with elastomeric aramid core and inner lining
- Anti-ballistic hardened acrylic/polycarbonate laminate visor
- Integrated microphone & earpiece
- Ambient sound facility with 70 decibel cut-out facility
- 200 litres per minute variable speed air-cooling fan
- Helmet-mounted torch
- Steel carry case



REMOTE CONTROLLER - This is mounted on the front of the smock, designed to be simple and easy to use. The remote controller requires no visual referral, the operator simply memorising the position of the three controls and locating and manipulating them by touch.

COMMUNICATIONS - The remote controller has an external plug into which an optional hardwire communications system can be plugged. This hard-wired communication system option consists of 100m of wire supplied on a heavy-duty reel connecting to a base station from which full duplex communications can be maintained with the operator. Alternatively, a VHF or UHF radio transceiver, for which a pocket is provided on the right-hand sleeve, can be plugged into the remote controller via an optional patch cord. If the radio system has a “vox” facility, the remote controller can be modified to ensure the helmet electronics are compatible.

JACKET - The EOD Bomb Disposal Suit’s jacket is long-sleeved, with molle strips at the bottom of each sleeve to accommodate additional tools. The jacket is side-opening and contains flexible Kevlar armour. Provision is made on the front for the attachment of rigid neck, chest and groin protector blast plates by means of webbing security straps and Velcro. The high collar provides overlap protection to the helmet and visor. Immediate removal of the jacket and blast plates is achieved by use of the quick release straps attached to the side and shoulder.

TROUSERS - The EOD Bomb Disposal Suit’s trousers contain flexible Kevlar armour and have fully adjustable supporting braces and wide Velcro waistband catering for small, medium and large sizes. The knees are reinforced with heavy duty kneeling pads. The articulated groin protector blast plate is attached by a flexible webbing strap.

ARMoured BLAST PLATES - Three separate Armoured Blast Plates covering neck, chest and groin, are incorporated in one carrier that attaches to the front of the Bomb Suit by means of a webbing harness over the shoulders and by a strap on the bottom that passes through the legs and attaches to the back of the trouser waistband. This is elasticated to allow for the groin blast plate to angle forwards when the operator is in a kneeling position.

STANAG 2920 Test Results 5 EOD Bomb Disposal Suit

Soft armour components	V50 m/s
Helmet	600
Visor	720
Throat Protector - Beard	450
Collar Front	600
Collar Centre	600
Collar Back	550
Smock Front	600
Smock Back	550
Arms Front	550
Arms Back	550
Hand Covers	450
Boot Covers	450
Groin Protector	450
Trousers & Thigh Guard Front	550
Trousers & Shin Guard Front	550
Trousers Back	550
Hard armour components	V0 m/s
Blast plates	1600

*Product specifications and descriptions subject to change without notice.