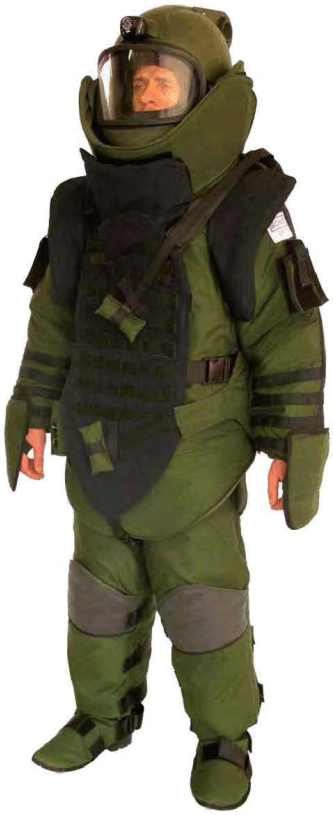
3DX-RAY

3DX-EOD BOMB DISPOSAL SUIT



The 3DX-EOD Bomb Disposal Suit is a contemporary up-armoured suit used in dozens of countries worldwide. It is utilised by the armed forces and diverse internal government security agencies, as well as prominent high profile Non-Governmental Organisations (NGOs), e.g., The United Nations.

Designed from the outset to be 3E (Economic, Efficient & Effective) compliant, the 3DX suit arguably provides the best value and the highest level of protection of any comparable bomb suit currently manufactured, offering maximum comfort and flexibility to the operator.

The 3DX-EOD Bomb Disposal Suit is available in any size. The ballistic levels and materials used in the various components have been tested and evaluated to the internationally recognised Standard NATO Agreement (STANAG) 2920, by which all ballistic apparel is judged today.

All the ballistic inserts used in the 3DX-EOD Bomb Disposal Suit are made of waterproof-treated Kevlar HT which are enclosed in a special water-resistant and anti-ultraviolet light membrane. The outer cover is made of flame-retardant NOMEX IIIA. In hot and humid countries, the 3DX-EOD Bomb Disposal Suit can be supplied in conjunction with a Cooling Suit, which incorporates a very powerful cooling pump.

The complete suit comprises:

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

NATO Stock No: 8470-99-990-0090

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HELMET

- 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

The EOD helmet is made from a GRP skin with an elastomeric aramid core. It is fully adjustable by means of the three-point suspension harness and 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.

JACKET

The suit 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. Rigid neck, chest and groin protector blast plates can be attached to the front using the 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 using the quick release straps attached to the side and shoulder.

TROUSERS

The trousers contain flexible Kevlar armour and have fully adjustable supporting braces and a wide Velcro waistband to fit 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.

REMOTE CONTROLLER

This is mounted on the front of the smock and is designed to be simple and easy to use. The remote controller requires no visual referral; the operator simply memorises the position of the three controls and locates and manipulates them by touch.

COMMUNICATIONS

The remote controller has an external plug for an optional hardwire communications system. This option consists of 100m of wire supplied on a heavy-duty reel connecting to a base station; this allows full communication with the operator. Alternatively, a VHF or UHF radio transceiver, that fits in the pocket 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.

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 suit by a webbing harness over the shoulders and by a strap 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.

SPECIFICATIONS

Helmet weight:	5.2 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

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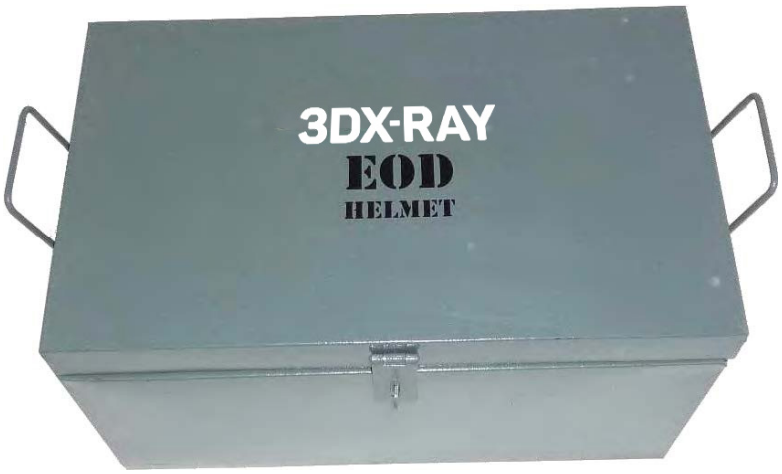
STANAG 2920 Test Results - 3DX-EOD Bomb Disposal Suit	
Soft Armour Components	V50 m/s
Throat Protector - Beard	450
Collar Front	600
Collar Centre	600
Collar Back	550
Smock Front	600
Smock Back	550
Arms Front	550
Arms Back	550
Hand Covers	450
Boot Covers	450
Groin Protector	450
Trousers & Thigh Guard Front	550
Trousers & Shin Guard Front	550
Trousers Back	550
Hard Armour Components	V0 or V50 m/s
Helmet (V50)	600
Visor (V50)	720
Throat Plate in front of Soft Armour (V50)	875
Chest &/or Groin Blast Plates (V50)	1600



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