



## Characteristics:

The lightweight EOD suit is designed for all activities in the field of mining and pyrotechnics reconnaissance and to secure activities related to the neutralization of explosives and dangerous materials, including improvised explosives.

The clothing does not limit the wearer's ability to use specialist equipment to conduct mining and pyrotechnics activities, including inspection mirrors, pyrotechnic manipulators, various types of metal detectors and equipment used in hook and line sets.

The suit can also be used to transport identified and non-hazardous unexploded ordnance, unexploded ordnance, dangerous items and incendiary agents from the place of their discovery to adapted means of transport and from means of transport to the place of destruction.

The suit can be used for demining and clearing areas where there is a likelihood of all types of mines, scattering ammunition, grenades, unexploded ordnance, and open field ammunition depots.

The suit is worn over outer clothing (field uniform) or protective clothing (anti-chemical suit) during everyday service.

## General design:

- The suit is composed of a vest with attached sleeves, and trousers, after attaching the sleeves the vest is converted into a jacket.
- The vest is fastened at the front with Velcro (smooth adjustment and protection against accidental unfastening), equipped with resistant adjustable rubber pads on sides.
- Front, shoulders, and back of the vest have MOLLE/PALS bands sewed in.
- The vest has a rescue grip on the back at shoulder level (visible color).
- The bottom of the back has built-in 'comfort pads' to protect the spine and back – the system alleviates the results of a fall or explosion. The system supports ventilation, improving thermal comfort for the user.
- The jacket features a system of fluorescent bands and Velcro spots for attaching badges.
- Sewed-in collar in the suit, with an option for attaching larynx protection cover.
- The adjustable trousers are fastened in the waist.
- The trousers have adjustable length and are equipped with a system of suspenders with buckles.
- Two-stage adjustment of legs with horizontal zipper bands.
- The vertical zipper bands in the legs ensure easier donning and doffing.

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- MOLLE/PALS bands sewed in at the front and on the back. Suit leg bottoms have a system of 5 cm wide fluorescent and reflexive bands.
- Suit legs have sewed-in rubber bands that improve comfort of use (kneeling, squatting).
- The lower abdominal and inguinal artery plate is located inside the trousers.
- Ballistic inserts in trousers are protected against shifting with sewed-in Velcro bands.
- The suit has pockets for inserting textile ballistic inserts in such a way, that the openings are located horizontally over the bottom edge of the vest, the top and bottom edge of trousers, the top edge of the larynx protective cover. Pockets are closed with Velcro bands, ensuring simple operation and preventing accidental opening during use.
- The suit can be worn over TYPE-3 chemical protective suit.
- Compatible with cooling systems.
- Textile ballistic inserts are sewed into a separate cover, preventing mechanical damage and protecting against humidity and sunlight.
- Suit sheathing is made of a fabric that allows easy maintenance with mild, commercially available detergents.



## Sizes:

- M/L sheathing + ballistic inserts
- XL/XXL sheathing + ballistic inserts

The suits are adjustable within a single size.

Ballistic Resistance	
Protected Area	Resistance
Vest back	min. 600 m/s
Sleeves	min. 450 m/s
Collar	min. 600 m/s
Larynx cover	min. 600 m/s
Vest front	min. 600 m/s
Trousers front, thighs	min. 450 m/s
Trousers front, knees	2 inserts min. 450 m/s

Ballistic Resistance	
Protected Area	Resistance
Trousers front, shin	min. 450 m/s
Trousers front, lower abdomen	min. 450 m/s
Additional protection lower abdomen	min. 300 m/s
Trousers back - lumbar section	min. 300 m/s
Additional protection - lumbar section	min. 300 m/s
Trousers back	min. 300 m/s
Additional protection of auxiliary arteries	min. 300 m/s

## Weight:

Maximum 20 kg\*.

\* Note: weight of M/L size suit without the helmet nor additional accessories.

The lightweight EOD suit for pyrotechnicians and sappers is sold together with BUSCH AMP-1E helmet and BUSCH BAV-1CN visor.

BUSCH AMP-1E Helmet	
Weight	approx. 1450 g
V50 acc. to STANAG 2920 (manufacturer data)	V50 = 600 m/s

BUSCH BAV-1CN Visor	
Weight	approx. 1470 m/s
V50 acc. to STANAG 2920 (manufacturer data)	V50 = 700 m/s

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