



# BOMB SUIT EOD 9N

## CERTIFIED PROTECTION FOR BOMB DISPOSAL

The EOD 9N is the model revision of the successful EOD 9 bomb suit. It has been tested and certified according to the requirements of NIJ Standard 0117.01 (Standard Requirements for Bomb Suits) of the US National Institute of Justice. The suit and helmet are fully compatible with the optional accessories for the previous model EOD 9.

The EOD 9N has been specifically designed against the threat of an explosive blast and makes it much easier to conduct operational missions. It offers protection against overpressure, fragmentation, impact and heat. By distributing the protective materials evenly over the entire body, it offers an unprecedented balance of protection and flexibility - for example, the sliding lower body protection plate can be easily pushed back to allow squatting, kneeling and climbing movements. The EOD 9-/9A helmet provides safe protection against blast effects and has been designed to be not only user-friendly but also extremely comfortable, so that the user does not tire as quickly, longer periods of use are possible and user safety is further increased.

### NIJ certification for bomb suits

The EOD 9N was developed to NIJ Standard 0117.01 for bomb suits and even exceeds its requirements with additional user-oriented features (e.g. integrated cooling, tactical lighting options, etc.).

### Heat protection

The fire-retardant, outer shell of the EOD 9N protects against heat radiation that can emanate from explosive objects when they are moved. This has been proven by numerous, vertical flame tests.

### Splinter protection

The EOD 9N has been tested with splinter simulator projectiles of different sizes (according to NIJ0117.01) that best simulate the splinter size and shape of a bomb blast.

### Protection against detonation pressure

The EOD 9N keeps the risk of injury from the blast wave caused by an explosion as low as possible.

### Compliance with ECM requirements

The suit and helmet have filters and shields in their electronic systems to prevent external radio frequency signals from causing possible interference.



The EOD 9N is available in the colours:

-  Darkl olive
-  Blue
-  Sand

Available sizes:

Small, Medium-Small, Medium and Large.

### NIJ STANDARD FOR BOMB SUITS

In addition to the factors of heat protection, splinter protection and protection against detonation and impact, the NIJ certification for bomb suits emphasises the importance of other test areas. These include:

- Ergonomics (e.g. donning and doffing)
- Optics (e.g. light transmission and distortion in the visor area)
- Flammability
- Electrostatic discharge
- Head protection (e.g. impact absorption, puncture resistance, etc.)
- Spinal protection

All tests are carried out in NIJ-accredited, independent test laboratories by the Safety Equipment Institute. In addition, to meet manufacturing commitments, audits are regularly conducted at Med-Eng's manufacturing facility.

### HEAT STRESS PROTECTION

Optionally available is the autonomous leg-mounted BCS 4 portable body cooling system, which integrates seamlessly with the Med-Eng EOD 9 bomb suit and Med-Eng SRS 5 protective suit and helmet ensemble and significantly reduces exposure to intense heat.

### INTEGRATED ABDOMINAL PROTECTION (IGP)

The EOD 9N IGP provides 360° blast and flame protection to the groin and buttock area without compromising comfort or leg movement.

### ENVIRONMENTAL AWARENESS SYSTEM (EAS)

Helmet-mounted omnidirectional microphones and a stereo amplification system allow you to perceive ambient sounds and their origin

### ELECTROSTATIC DISCHARGE (ESD)

To prevent electrostatic discharges between the bomb technician and the explosive device, the EOD 9N has a grounding strap attached to the foot guard.

### REMOTE CONTROL

A wrist-mounted remote control module allows control of helmet functions such as search lights, battery status indicator, helmet ventilation or communication volume.