

4030 ELITE

Bomb Disposal Suit and Helmet System

The 4030 ELITE Bomb Suit and Helmet System is the latest addition to the NP Aerospace Bomb Disposal Suit portfolio. The ultra-flexible and scalable suit offers 360° protection from all aspects of blast. It has been developed in response to extensive global user feedback and is tested in accordance with the NIJ 0117.01 Standard. Many new design features have been added to improve survivability and ergonomics, and aid faster donning and doffing. Protection is balanced across critical areas, providing an optimum performance to weight ratio.

[4030 ELITE]

Ballistic and Blast Performance

Tested in accordance with NIJ Requirements, delivering optimum protection at a low weight.

Optimum Maneuverability

A patented, articulated breastplate provides maximum maneuverability including bending and crouching. Seams resist ruptures and blasts and a Nomex® outer layer provides water resistance and fire protection. A patented Quick Release System enables the suit to be removed in less than 30 seconds.

Enhanced Survivability

Blast testing against the NIJ 0117.01 standard ensures optimum survivability and pressure reduction. Suits also undergo impact attenuation and environmental testing. High protection across the torso and neck ensures blast forces are deflected and fragments are absorbed.

Ergonomic Design

Easy access trouser zips enable faster donning and doffing wearing boots. Load spreading shoulder strap system and waist cummerbund improves user comfort.

Emergency Extraction

Drag rescue system enables rapid emergency extraction and high visibility markers allow first responders to gain immediate entry to critical areas of the body.

System Integration

Flexibility is offered for operators and procurement teams as the base suit allows for easy customization and interoperability with additional systems and electronics (comms, lights, cooling etc.). Spine protection and fan assisted vent systems are included as standard.

Advanced EOD Helmet

An ergonomic EOD helmet offers high protection and a wide field of view, with an active demisting visor to improve situational awareness.

NP Aerospace EOD Capabilities

The UK MoD has used NP Aerospace Bomb Disposal suits on operation for over 15 years, providing regular feedback on new developments. Other products in the portfolio trusted by military and security personnel include Ballistic Helmets and Shields, Body Armor Plates and Composite Platform Armor.



Specification

The 4030 ELITE is available in five sizes: XS, S, M, L, XL to ensure a perfect fit and full coverage for all users.

Colours



Base Suit - Ballistic Protection (V50 m/s)

The 4030 ELITE Suit is tested in accordance with the NIJ 0117.01 standard

Armor Type	Test Projectile	Projectile Mass	V50 Ballistic Limit
A	30 cal FSP	2.9g (44 gr)	1,100 m/s (3,609 ft/s)
	50 cal FSP	13.4g (207 gr)	750 m/s (2,461 ft/s)
B	22 cal FSP	1.1g (17 gr)	775 m/s (2,542 ft/s)
	22 cal FSP	1.1g (17 gr)	625 m/s (2,051 ft/s)
C	30 cal FSP	2.9g (44 gr)	525 m/s (1,722 ft/s)
	22 cal FSP	1.1g (17 gr)	625 m/s (2,051 ft/s)
D	30 cal FSP	2.9g (44 gr)	550 m/s (1,804 ft/s)
	22 cal FSP	1.1g (17 gr)	550 m/s (1,804 ft/s)
E	30 cal FSP	2.9g (44 gr)	525 m/s (1,722 ft/s)
	22 cal FSP	1.1g (17 gr)	525 m/s (1,722 ft/s)
F	30 cal FSP	2.9g (44 gr)	500 m/s (1,640 ft/s)
	22 cal FSP	1.1g (17 gr)	350 m/s (1,148 ft/s)
G	30 cal FSP	2.9g (44 gr)	300 m/s (984 ft/s)
	22 cal FSP	1.1g (17 gr)	300 m/s (984 ft/s)

Blast Protection

Tested in accordance with NIJ 0117.01 standard Requirements: No penetration in each of the following scenarios - 0.567kg C4 @ 0.6m kneeling, 1kg C4 @ 1m standing, 2kg C4 @ 2m standing, 10kg C4 @ 3m standing.

Weight (Medium Suit)

Suit (Inc. frontal Plate)	27.3 kg	60.02 lbs
With Helmet	32.7 kg	72.0 lbs
With Fan System	35.8 kg	78.8 lbs

Please note: NP Aerospace undertakes a program of regular product development and reserves the right to make changes to products without prior notice. Product appearance and specifications may therefore differ from illustrative depictions.

The NIJ Compliant* 4030 ELITE Suit delivers optimum survivability and protection for EOD operators worldwide with enhanced ergonomics to improve mobility and reduce fatigue. *NIJ certification in progress