

# 3020 ELITE

## Tactical Assaulter Suit

The 3020 ELITE Tactical Suit offers a lightweight solution to enable extended wear in search and breaching missions in high threat environments. The suit has been designed to provide advanced protection against blast, low speed impact, fragment penetration and flame immersion.



### Ballistic Performance

Delivers front and rear protection V50 >+1200m/s when worn with NP Aerospace LWB III+ IC06 body armour.

### Design Flexibility

Lightweight, ergonomic construction provides maximum manoeuvrability and extended wear. Seams resist ruptures and blasts and a Nomex® outer layer provides water resistance and fire protection.

### Blast Tested

Blast testing against the NIJ 0117.01 Public Safety Bomb Suit Standard ensures survivability and pressure reduction. Suits also undergo impact attenuation and electronic and environmental testing.

### Proven Worldwide

NP Aerospace is a lead supplier of EOD Suits to world leading defence organisations including the UK MOD.

### Integrated Systems

MOLLE webbing enables additional equipment to be added. Spine protection and cooling systems are available.

### Helmet Options

A range of EOD and ballistic helmets is available with or without visors.

### NP Aerospace Armour Capabilities

Tactical Assaulter Suits are part of the NP Aerospace high-performance defence systems range which includes Ballistic Helmets and Shields, Body Armour Plates and Composite Armour for vehicles, vessels or aircraft.



**Tactical Search Suits are a critical part of our global defence capability. NP Aerospace advanced engineering ensures operators are protected in the line of fire.**

### Specification

The 3020 Elite is available in three sizes: small, medium and large.

#### Colours



#### Base Suit - Ballistic Protection (V50 m/s)

Arms & Legs	Chest	Ballistic Plate (LASA LWBIII+ IC06 plate)	Helmet	Visor
Front: 460 Rear: 300	610	Front: 610 + >1200 Rear: 300 + >1200	600	1 layer: 250 2 layer: 450 3 layer: 600


#### Blast Protection

Based on a 3020 Elite with front & rear LASA LWBIII+ IC06 plates.

	Survivability probability (as measured on Bowen Curve)	Reduction in pressure at Lung
NIJ 0117.01 0.567 kg C4 at 0.6 m (kneeling)	>99%	92%
1 kg C4 at 1.35 m (standing)	>99%	84%

#### Weight

	kg	lbs
Jacket and Trousers Without Helmet	12.2	26.9
With Helmet (AC903 IED 450 m/s visor)	15.2	33.5

 NP Aerospace is currently working with the **Tokyo Fire Department** and the **Japanese Defense Force** on a number of projects including the 3020 ELITE Tactical Assaulter Suit which was featured in the June issue of Japan's 'Firefighting' Magazine.

# 4020 ELITE

## Bomb Disposal Suit

The 4020 ELITE Bomb Suit provides 360° blast protection and survivability against pressure, fragments, heat and flame, protecting EOD operators in the most restrictive locations. Suits incorporate advanced lightweight materials and ergonomic design features to ensure optimum performance and reduced fatigue.

### Ballistic Performance

Delivers frontal protection V50 +>1900m/s.

### Optimum Manoeuvrability

A telescopic breastplate provides maximum manoeuvrability 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.



### Blast Tested

Blast testing against the NIJ 0117.01 Public Safety Bomb Suit Standard ensures optimum survivability and pressure reduction. Suits also undergo impact attenuation and electronic and environmental testing.

### Proven Worldwide

The UK MoD has used NP Aerospace Bomb Disposal suits on operation for over 15 years

### Integrated Systems

The 4020 ELITE suit integrates with CBRN systems and communication systems. Cooling systems and spine protection is included as standard.

### IED Helmet

An IED helmet is available including a glass, acrylic or heated visor with demisting capability to improve situational awareness.



### NP Aerospace Armour Capabilities

NP Aerospace has been manufacturing EOD suits for more than 50 years. Other products in the NP Aerospace high-performance defence systems range include Ballistic Helmets and Shields, Body Armour Plates and Composite Platform Armour.

### Specification

The 4020 Elite is available in five sizes: extra small, small, medium, large and extra large.

#### Colours



#### Base Suit - Ballistic Protection (V50 m/s)

Arms	Legs	Chest	Helmet	Visor
Upper: 500 Lower: 450	460	1900	575	Acrylic Faced: 600 Glass Faced: 730 CBRN: 730

#### Blast Protection

	Survivability probability (as measured on Bowen Curve)	Reduction in pressure at Lung
NIJ 0117.01 0.567 kg C4 at 0.6 m (kneeling)	>99%	Between 96.9-99.7%
1 kg C4 at 1.0 m (standing)	>99%	Between 98.1 and 98.5%
2 kg C4 at 2.0 m (standing)	>99%	Between 87.6 and 92.3%
10 kg C4 at 3.0 m (standing)	>99%	Between 99.0 and 99.7%

#### Weight (Medium Suit)

Without Helmet	30.5 kg	67.2 lbs
With Helmet	34.7 kg	76.5 lbs
With CBRN Helmet	35.5 kg	77.8 lbs

The 4020 ELITE Suit is one of the highest performing suits on the market designed to deliver extended protection and manoeuvrability in the toughest locations.