

PROTEC

LOAD BEARING SYSTEM



Engineered with proprietary, lightweight, breathable and tough advanced laminates, PROTEC load bearing system is designed to combat issues faced by soldiers, such as heat stress, poor fit, imbalanced load distribution and weight burden.

Key Features

- Lightweight and low profile design
- Load bearing components constructed with strong yet lightweight laminates
- Sizes are tailored to fit anthropometry of local population
- Modular and scalable system that enables users to adjust carriage capacity and protection level which commensurate with threat levels and operating conditions
- Detachable protection covers fit soft and hard armour ballistic protection
- Enhanced thermal performance verified in accordance to ASTM F2370 (Evaporative Resistance) and ASTM 1291 (Thermal Insulation)

5 Ergonomically designed yoke that distributes frontal load to back trapezoid muscles

1 Intuitive quick release buckles allows easy release and re-attachment

2 Low profile laser-cut design facilitates breathability & heat relief in tropical climates



3 Adjustable lumbar support band to distribute load to core muscles



4 Adjustable belt panels accommodate expansion in waist circumference when donning body armor



6 Modular and scalable plate carriers allow quick insertion of ballistic armour for protection against operational threats

SUB-SYSTEMS



PROTEC Vest



PROTEC Belt



PROTEC Torso Protection Carrier

Colours:

- O.D. Green
- Coyote brown
- Black
- Pixelised Camo

Options:

- Pouches
- Neck and groin carriers for ballistic protection

TECHNICAL SPECIFICATIONS

System

Main fabric	Laminated composite fabric
Sizes	S, M, L and XL
Soft ballistics geometry	Protection covers customisable to fit soft ballistics shape for In-Conjunction-With plate
Hard ballistics geometry	Protection cover size S and M: 230 mm (width) x 280 mm (length) Protection cover Size L and XL: 250 mm (width) x 305 mm (length) Maximum thickness of HB plate: 25 mm

Certified laminate materials

Weight	EN 12127
Adhesion strength after artificial weathering	ISO 2411; ISO 4892-3
Tensile strength (Warp and weft direction)	ISO 13934-1
Tear strength (Warp and weft direction)	ISO 13934-1
Oil repellency	ISO 14419
Spray test (water repellency)	ISO 4920
Abrasion Martindale (wool)	ISO 12947-2 (wool, 12 kPa)
Flammability after 5 washes	ISO 6940 (surface ignition); ISO 6330 (6N-C)
Evaporative resistance	ASTM F2370
Thermal Insulation	ASTM 1291

Note: Specifications are subject to change by the manufacturer without prior notice.