

“Satellite-TL” Body Armor

External modular body armor protects a person according to IIIA and III protective levels (Standard NIJ 0101.06).

The body armor consists of front and back protectors with side plates, interconnected on the shoulders and sides with the fastening and adjusting system, providing individual fitting and eliminating displacement of armor during movement. The front protector is equipped with a valve for additional fixation of side slots.

Pockets, in which the front, back and side protective barriers are placed, are located on the inner sides of the outer carriers of front and back protectors. In the outer carriers of side plates, there are slots for placement of protective barriers of side plates.

Additional protective armor elements are installed into the inner slots of pockets of front and back protectors between the anti-ricochet layer and protective barrier of front and back protectors.

In the projection of protective barriers of front and back protectors, the body armor provides the all-round body protection according to IIIA protective level (Standard NIJ 0101.06).

In the projection of additional protective armor elements, made of metal-composite armor elements, the body armor provides protection according to III protective level (Standard NIJ 0101.06) (protection against the bullets of 7.62x51 mm cartridge with FMJ bullet with the weight of 10.6 g.).

Modified damping system of body armor, made of 3D grid in the form of vertical stripes with pressed-in polyethylene foam, reduces after-penetration effect down to the level, not exceeding the 2nd grade of severity of contusion trauma.



| Convention al size | Protection area (dm ²), not less than | | Overall dimension of armor elements | | Weight of body armor by option packs and protection classes, not more than, kg | |
|--------------------------|---|--|--|----------|--|--|
| | Fabric protective barriers according to protection level IIIA NIJ | Metal-composite armor elements according to protection level III NIJ | Weight kg | | | |
| | | | | IIIA NIJ | III NIJ | |
| I (96-104) | 31.5 | 250X300 SAPI | 2.0 | 2.70 | 6.70 | |
| II (104-112) | 32.5 | 250X300 SAPI | 2.0 | 2.75 | 6.75 | |
| III (112-116) | 36.5 | 250X300 SAPI | 2.0 | 3.10 | 7.10 | |

| The body armor is additionally equipped with: | Protection area (dm ²), not less than | Fabric protective barriers | Weight, not more than (kg) |
|--|--|-------------------------------|-------------------------------|
| Throat protector (removable) | 5.0 | IIIA NIJ | 0.40 |
| Groin protector (removable) | 5.0 | IIIA NIJ | 0.35 |