



DEMINING HELMET

Demining helmet with visor is used to protect experts for explosive devices against high velocity fragments. The helmet offers protection against bullets and fragments of explosive ammunition, bombs and extreme heat. The helmet shell is made of composite materials by unique technology. The shape of the helmet protects ears and allows the use of micro-phone and radio-telephone systems.

The helmet consists of a shell, suspension/retention system and a visor. The weight of helmet with visor is $\leq 2950\text{g}$ and their ballistic performance is $V50 > 650\text{m/s}$. When using a fragmentation simulator 5.56 mm, with the fragment weight of $1.1 \pm 0.02\text{g}$, the helmet shell offers a ballistic protection level of $V50 > 1000\text{m/s}$ according to STANAG 2920.

The visor is made as laminated of acrylic and polycarbonate material and is attached to the helmet. The visor protects the face against fragments and projectiles of high velocities and has following ballistic performance: when using bullets 9 mm PARA (FMJ 8.0 g, V_{max} is 441 m/s). It is adjustable and offers a clear and wide field of vision. Weight of the visor is 1040g.

Because of the extraordinary characteristics, high ballistic protection level, optimal weight, security and comfort, helmet with visor became a part of standard equipment for military and police bomb squads.

The series of investigations were conducted according to: STANAG 2920, NIJ STD and MIL STD 662 standards. The accuracy and efficiency are guaranteed by the team of experts. All metal parts are protected against corrosion.

BALLISTIC DATA

Ammunition	Ammunition Weight		Maximum Velocity		Energy (J)
	(g)	(Gr)	(m/s)	(ft/s)	
9mm PARA	8	124	441	1450	780
9mm NORMA 19022	7,5	116	410	1345	630
7,62mm Tokarev (steel jacketed)	5,5	85	450	1480	555
357 Magnum JSP	10,2	158	396	1300	800
44 Magnum SWC-GC	15,5	240	441	1450	1510

