



SD Raptor body-armour apron for humanitarian demining

The SD Raptor demining body-armour is a refinement of our popular (and still widely used) MK 1 and SADEC Aprons. This simple apron extends protection over the deminer's frontal thighs while being easy to walk and kneel in. It is designed to make it easy to keep the apron between the deminer and the mine even if the deminer squats and twists to work from the side. When kneeling to excavate, the apron can be made to extend to the ground and provide full frontal coverage.

Unusually, this apron has two collars, one inside the visor and one outside. This ensures an interface between visor and apron even if the deminer is lying down - and while lying down is rare, it is sometimes appropriate. Shoulder pieces allow full arm movement while protecting the vulnerable underarm areas.

With a multi-layer polyamide inner covered by a washable outer designed to be exceptionally long-lasting and resistant to abrasions, tears and scuffs, it weighs 3.9kg complete with a polyamide chest insert that brings vital area protection above the IMAS requirement of STANAG 2920 450 m/s.

The Raptor's open back and minimal straps make it comfortable and relatively cool. It is adjusted to fit using simple webbing straps and clips.

It is stated in the conclusions of independent SADEC tests conducted in 2001 that "The [SD] MK1 Apron was shown to be capable of withstanding the blast of a detonating PMD-6 wooden anti-personnel blast mine and a PMN blast mine with an ADDITIONAL 200g charge at 30 cm." That is a total of 640g TNT at 30cm, which does not surprise us, but often surprises our customers.

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