



# SD Raptor body-armour apron for humanitarian demining

The SD Raptor demining body-armour is a refinement of our MK 1 and SADEC Apron (first sold in 1998 and widely used). 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 when 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.

The Raptor armour 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 from a frontal blast. Optional shaped polycarbonate shoulder inserts ensure that the armour hangs correctly. Our latest refinement is a flexible polycarbonate insert inside the lower collar which keep it standing at the right angle to ensure a visor overlap.

With a multi-layer polyamide inner covered by a Cordura® textured nylon outer that is exceptionally long-lasting and resistant to tears and abrasions, the armour features a stand-off lining to improve ventilation in the shoulder and upper chest area. It weighs 4kg and offers vital area protection above the IMAS requirement of STANAG 2920 450 m/s. The cover is removable and washable, so can be replaced at a later time. A variant with a protected back is available on request.

Colours may vary between dye lots.

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.

Independent SADEC tests conducted in 2001 found that "The [SD] MK1 Apron [of which the Raptor is a variant] was shown to be capable of withstanding the blast of a total of 640g TNT at 30cm, which does not surprise us, but often surprises our customers.

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**NOTE:** Like most other PPE, SD armour is designed to be water-resistant. Users should avoid getting the core of any armour wet because this can reduce the protection it offers. If the core of armour gets wet, allow the garment to dry naturally before use. Do not tumble-dry or expose to heaters.



SD Part no.: SKU2012

Optional polycarbonate shoulder inserts help keep the armour in position.

Polycarbonate insert to keep outer collar raised.

Larger, wide-top frontal pocket.

Comfort stand-off lining.

