



DAYTAC introduces a light, strong, self-contained Tactical Rescue Stretcher

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Introduction

DAYTAC has filled a void experienced by military, police, first response and other organizations by creating a stretcher system that can be incorporated into an individual's clothing or equipment and be easily deployed to quickly and efficiently move them. Adopting this system will allow these organizations to evacuate injured personnel from hostile and/or dangerous areas to more quickly render immediate life saving measures and/or continue the injured person's movement to higher levels of medical care.

Design and Construction

The stretcher is constructed of lightweight nylon weave mesh with edges, handles and release straps made from military grade webbing. Release ports and straps are secured with hook and loop fasteners. These materials allow the stretcher assembly to weigh less than one pound yet provide the strength to carry in excess of three hundred pounds. The current design of this stretcher physically attaches it to the interior of the body armor shell typically worn by military, police and first responders. This attachment allows the stretcher to be compactly folded and stored within the body armor shell between the Kevlar® and the ceramic plate, lessening the possibility of damage to the stretcher assembly while being non-encumbering to the wearer.

Utility

The stretcher is deployed in two stages. The first stage of deployment releases the upper portion of the stretcher from the upper back of the injured person's body armor. The two handles of the upper portion of the stretcher can be brought together, enveloping and aligning the injured person's head, and providing a single evacuator with the ability to drag the injured individual to a safer location. The second stage of deployment releases the lower portion of the stretcher from the lower back of the injured person's body armor. The lower portion of the stretcher has four handles, two located adjacent to the injured person's center of mass and two at the foot of the stretcher. The injured person can then be moved to a safer location by up to six evacuators.



Conclusion

DAYTAC's Tactical Rescue Stretcher fills a need that has not been addressed by any other piece of equipment. A lightweight, durable stretcher that can be easily incorporated into the clothing or equipment of any individual and rapidly deployed to evacuate that individual from a dangerous or hostile environment.