



BENEFITS

- ▶ Full HAHO / HALO capability
- ▶ HAHO optimized diluter demand oxygen supply system (OXYJUMP)
- ▶ Independence of type of aircraft due to oxygen system architecture
- ▶ Reserve parachute certified up to 33,000 ft
- ▶ No dropping of heavy cargo bundle
- ▶ Advanced navigation / communication equipment
- ▶ Thermal protection gear
- ▶ Parachutist 's life vest

SHAPS (Special High Altitude Parachute System) is a parachute system for Special Forces. ESG Elektroniksystem-und Logistik-GmbH, together with Dräger, designed SHAPS for the German Bundeswehr special operations units. It is in use since 2003.

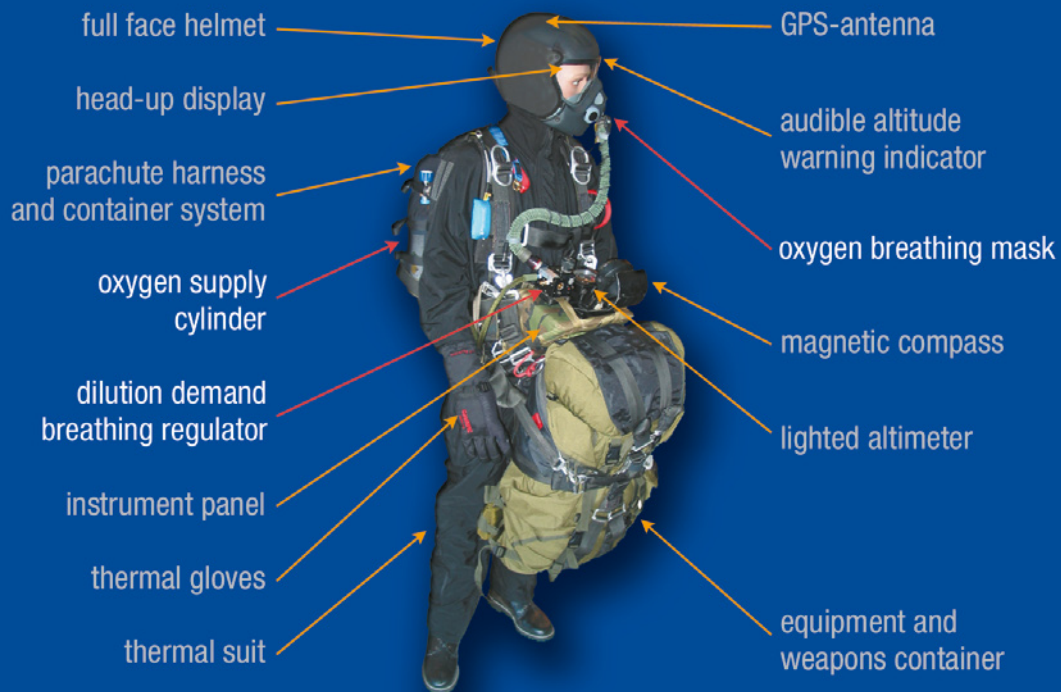
SHAPS makes it possible to jump from a height of about 33,000 feet and to cover a distance of up to 40 kilometres while carrying up to 100 kg of equipment. Parachutists are able to enter areas that are difficult to reach for their transport aircraft.

As SHAPS is a modular constructed system with several subsystems and modules, all components have been designed for optimal compatibility with each other to provide the soldiers with the highest safety standards.

SHAPS is a unique parachute based weapon system consisting of several sub-systems such as

- ▶ Parachute and container system
- ▶ Oxygen supply system
- ▶ Helmet and communication system
- ▶ Navigation system
- ▶ Heavy cargo bundle system
- ▶ Tandem passenger system
- ▶ Thermal protection system
- ▶ Thermal protection gear
- ▶ Survival system

SHAPS – Technical Data



- ▶ 33,000 ft (10.000 m) exit/ opening altitude
- ▶ 210 KIAS max. deployment speed
- ▶ 195 L (11,900 cu in) usable oxygen
- ▶ 264 Kg suspended weight (cargo, tandem + cargo mode)
- ▶ 225 Kg suspended weight (tandem mode)
- ▶ 100 Kg cargo bundle system
- ▶ 1 to 4 glide ratio
- ▶ 5 different deployment modes

Mission and Ground Support Equipment

In addition to various mission support equipment, SPELCO provides a full range of ground equipment for maintaining and testing major system components, such as the oxygen and the parachute system.

Logistic Support

SPELCO provides full logistic support based on a revolutionary Parachute Management System introducing latest passive transponder chip technology and electronic life cycle records.

Special Parachute Equipment and Logistics Consortium GbR

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