

SPH-5®
HELICOPTER FLIGHT HELMET



GENTEX®

The SPH-5® is the world's leading helicopter helmet, developed by Gentex, combining superior protection and comfort in a lightweight product. Its versatile design accommodates a wide range of aftermarket upgrades to meet your evolving flight needs. These features attest to a variant of the SPH-5 being selected and used by the United States Coast Guard since 1991. The SPH-5 is also widely in use by emergency medical personnel, firefighters, and many United States government agencies and commercial pilots. The SPH-5 is also the most commonly used helmet in the international marketplace.



HELMET SHELL

The helmet shell is a high-strength, lightweight composite reinforced with epoxy resin. Rubber edge beading covers the periphery of the shell.

ENERGY-ABSORBING LINER

The energy-absorbing liner is made of rigid polystyrene molded to conform to the inside of the helmet shell.

THERMOPLASTIC LINER (TPL® OR SCL®)

These liner systems consist of formed layers of plastic attached to a removable, washable cloth cover. The Super Comfort Liner (SCL) has a thicker, plush cloth cover to improve comfort. Both preformed TPL's and SCL's fit most head shapes within a given size, and if necessary, they can be heat-softened and custom fitted to the crew member's head.

RETENTION ASSEMBLY

The retention assembly features a hook and pile closure at the nape for individual sizing, an adjustable nape strap, front, rear and center straps with triple eyelets for vertical adjustment of the earcups, and a chin strap.

EARCUPS

Each lightweight earcup assembly consists of a contoured plastic earcup and a cushioned earseal (with a raised inner ring for maximum sound attenuation and comfort).

COMMUNICATIONS

The communications system consists of a boom-mounted microphone, dual earphones, and a communications cord. A flex boom is available as an upgrade.

VISOR SYSTEM

The visor assembly is available in a single visor or dual visor configuration. The dual visor option is available in 3 forms; plain (non-NVG compatible), platform (provides a permanent mount platform), and quick-disconnect version.

CHINSTRAP/RETENTION ASSEMBLY STRENGTH

The chinstrap/retention assembly withstands a strength test of 300 pounds when tested in using ANSI Z90.1b-1979 test methodology and equipment. Available in double D-ring or as a quick-disconnect (snap).

SOUND ATTENUATION

Frequency (Hertz)	125	250	500	1000	2000	3150	4000	6300	8000
Decibel	13	14	21	24	30	40	43	44	36

(Tested in accordance with ANSI S12.6-1984)

IMPACT RESISTANCE

Peak Gs	Velocity*	Anvil	Environmental Condition
300	17.5 ft/s	Flat	Cold
400	17.5 ft/s	Hemispherical	Hot

**+ 0.3/-0.0 ft/s*

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