

SEAT MATRIX

			
Part Number	108900-5	108900-7	119000 (Armored) 119100 (Unarmored)
Weight	24-26 lb (10.8 - 11.8 kg)	25-27 lb (11.3 - 12.2 kg)	46-100 lb (21 - 45.4 kg)
FAA Certification	- TSO-C127a, Type B for FAR Part 29	- TSO-C127a, Type B for FAR Part 29	- 14CFR Part 29.561 and .562 with 289 lb occupant
Features	<ul style="list-style-type: none"> - 4-Point Restraint with Rotary Buckle - Inertia Reel with Lock - Bolstered Cushioning - Lumbar Support - Cyclic Cutout - Horizontal Adjustment - Vertical Adjustment - MS33601 Track Interface - Fabric, Leather or Sheepskin Upholstery 	<ul style="list-style-type: none"> - 4-Point Restraint with Rotary Buckle - Inertia Reel with Lock - Fixed Headrest - Bolstered Cushioning - Lumbar Support - Cyclic Cutout - Horizontal Adjustment - Vertical Adjustment - MS33601 Track Interface - Fabric, Leather or Sheepskin Upholstery 	<ul style="list-style-type: none"> - 5-Point Restraint with Rotary Buckle - Inertia Reel with Lock - Fixed Headrest - Bolstered Cushioning - Removable Lumbar Support - Cyclic Cutout - Horizontal Adjustment - Vertical Adjustment - MS33601-style Track Interface - NVG Compatible Black Fabric - Adjustable Thigh Support - Removable Armor

S5000 Seating

Lightweight, Crashworthy Crew Seats

KEY FEATURES

- FAA approved
- TSO-C127a certified
- Meets 14 CFR 29.561 and 29.562 requirements for structural performance
- Meets 14 CFR 29.853 requirements for flammability performance

Since the introduction of the first successful military crashworthy crew seat in the UH-60 Black Hawk in 1977, we have earned the reputation as a pioneer in aerospace crash safety and combat survivability. Building upon our legacy brand, Simula, the BAE Systems team is dedicated to providing innovative, life-saving products to the rotocraft market.

From military folding troop seats to FAA-certified lightweight crew and passenger seats to Presidential VIP seating, BAE Systems is the provider of choice for the world's helicopter operators. The S5000 line of crashworthy seats features lightweight designs for crew seating applications. With options for vertical and horizontal adjustment as well as ballistic protection, the S5000 seats are easily adaptable to any platform.



STANDARD FEATURES

- Typical seat weight ranges from 21 - 36 lb (10 - 16 kg) depending on seat features
- 4-point SCHROTH™ restraints
- Ergonomic cushion design
- Advanced Kevlar, carbon fiber composite construction
- Fire-Block foam
- Headrest
- Vertical adjustment
- Horizontal adjustment
- Choice of plating and restraint color



OPTIONAL FEATURES

- Armrest
- Customized floor interface design and hardware
- Adjustable thigh and lumbar support
- Mission adaptable ballistic protection
- Leather upholstery
- 5-point SCHROTH™ restraints
- Custom floor interface

SEAT FEATURES

- Compact architecture with small floor-to-track footprint 10.24 in x 14.50 in (29 cm x 36.8 cm)
- Lightweight and high-strength bucket and frame design exceeds static and dynamic load requirements of 14 CFR Part 29 when occupied by fully loaded 95th percentile male, 285 lb (129.3 kg) plus armor kit, 54 lb (24.5 kg)
- VLEA with mass settings from 134 to 297 lb (61 to 135 kg) tuned for military aviators
- Vertical and horizontal adjustment
- Ergonomic seat bucket fits 5th-percentile female through 95th-percentile male
- Seat back and seat pan cushions include inflatable thigh and lumbar support for comfort cushioning
- 5-point restraint with dual-action rotary buckle
- Fixed headrest
- NVG compatible
- Unarmored seat weight is 46.3 lb (21 kg)

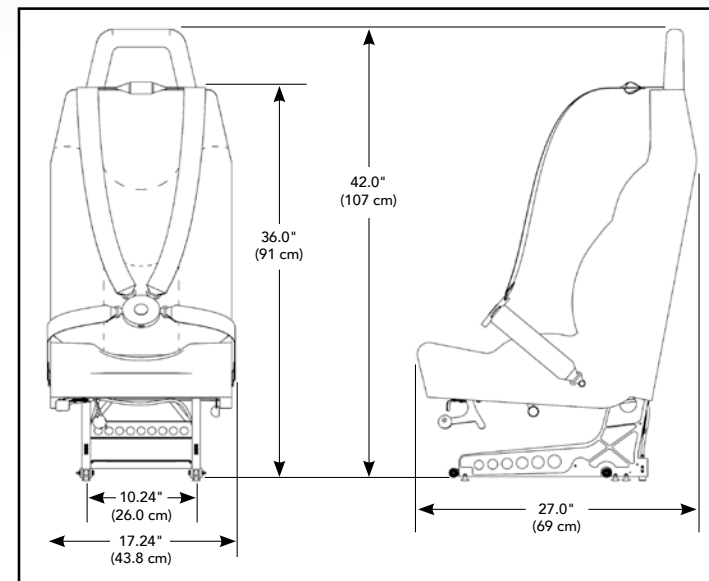
ARMORED SEAT FEATURES

- Quick installation or removal of armor panels without tools
- Innovative attachment design allows both armor panels to be positively installed without creating strain on seat frame during crash conditions
- Advanced lightweight armor materials provide ballistic threat protection against .50 cal projectiles
- Armor kit maximum weight is 54 lb (24.5 kg)

Dynamic Test Conditions Per SAE AS8049A Type B

Illustration shows a forward facing seat	TEST 1	TEST 2
Inertial load shown by arrow		
Min. V m/sec (ft/sec)	9.14 (30)	12.80 (42)
Max. t _r /sec	0.031	0.071
Min. G	30	18.4
Deform floor:		
Degrees roll	10°	10°
Degrees pitch	10°	10°
Test pulse simulating aircraft floor deceleration-time history		
t _r = rise time V = Impact Velocity G = Deceleration measured on the test fixture or the sled near the seat position		

Typical S5000 Seat Dimensions



UNARMORED SEAT SHOWING ARMOR KIT ATTACHMENT

