

Wall Style Aircraft Troop Seat

Improved Safety

- The BAE Systems crash resistant troop seat is the first wall style troop seat to be successfully tested in dynamic crash conditions.*
 - 30° nose down surpassing 14 Gs
 - 10° yaw surpassing 16 Gs
- All fabric meets the FAR 25.853 vertical burn test requirements by utilizing inherently flame-resistant textile materials and flame-retardant treated nylon webbings and tapes.

Durable

Fabric and structure have been designed to be more rugged than existing in-service bench type seats. High strength aluminum tubing and durable fabric create a seat of superior safety and quality. This provides significant cost of ownership reductions in replacement and repair expenses.

Occupant Comfort

Seated comfort has been increased by ensuring the occupant's clearance of the seat structure. The seat back is made from a single piece of material designed to minimize equipment snags and to provide continuous support.

Seat Weights

Single seat:	6.25 lb (2.8 kg)
Double seat:	10.75 lb (4.9 kg)
Triple seat:	15.40 lb (7.0 kg)

Product Numbers

- 301110-5 (1-man)
- 301120-3 (2-man)
- 301130-5 (3-man)

Interface information is provided on BAE Systems drawings ICD 301110, ICD 301120 and ICD 301130 for one-, two-, and three-man seats respectively. Drawings available upon request.

KEY FEATURES

First wall style troop seat certified crashworthy

Quick and easy to stow

Significant advances in comfort



REFERENCE USAF PERFORMANCE REQUIREMENTS DOCUMENT PD990315

Configuration	ATD Weight (lb)	Attitude	Velocity (fps)	Deceleration (Gs)	Qualification Test Result
3-Man	250/occupant	30° Pitch Down	35	14	Pass
1-Man, 2-Man	250/occupant	30° Pitch Down	35	14	Pass
3-Man	250/occupant	10° Yaw	44	16	Pass
1-Man, 2-Man	250/occupant	10° Yaw	44	16	Pass

*Testing conducted using 250 lb anthropomorphic test dummies

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Structural Integrity and Seat Comfort

Features	MIL S-5804 Existing Seat	BAE Systems Seat
Interfaces with Existing C-130 and KC-135 Installation Points	✓	✓
Fabric Assembly Materials Meets FAR 25.853 vertical burn requirement		✓
Eliminates Spreader Bar Contact with Occupant		✓
Improved Spreader Bar Fitting Connection to Aircraft Support Bar Machined aluminum for better durability		✓
Dynamic Strength Verification Dynamic tests performed meets all requirements	1	✓
Static Testing Test loads applied with contoured anthropomorphic block to highest standards		✓
Seat Back Configuration Seat back made with same Aramid material as seat pan for continuous support surface and comfort		✓
Environmental Testing Compliance to MIL-STD 810F		✓
Fabric Connection Fabric attached with machine screws for ease of repair		✓
Floor Fitting Release Easy grasp, seat level release for quick configuration changes		✓
Seat Bottom Fabric Flame resistant, double layer for improved wear		✓

1 - Dynamic testing was not accomplished with existing seat

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