

Lightweight Energy-Absorbing Passenger Seat

Advantages

- Energy-absorbing
- Adjustable headrest
- Comfortable
- Designed for multiple applications
- Durable/reliable
- Quick and easy installation/removal
- Forward- and aft-facing
- Lightweight
- Maintenance-free
- Highly Protective
- Stylish
- Multiple upholstery options
- TSO-C127A (Type B) Certified

Current Application



Safe/Highly Protective. This lightweight energy-absorbing passenger seat incorporates a stroking seat structure that absorbs energy during a vertical impact, thus minimizing the potential for spinal injuries.¹ The seat includes a three-point restraint system with a “push-button” buckle release and an automatically locking inertia reel.



Standard Features:

- *Typical seat weight ranges from 21-36 lb depending on features selected*
- *Three-point restraint system*
- *Upholstery available in fabric or leather*
- *Designed to the requirements of TSO-C127A Type B for FAR Part 29 applications*

Optional Features Include:

- *Arm rest with vertical adjustment*
- *Headrest with vertical adjustment*
- *Base fairing*

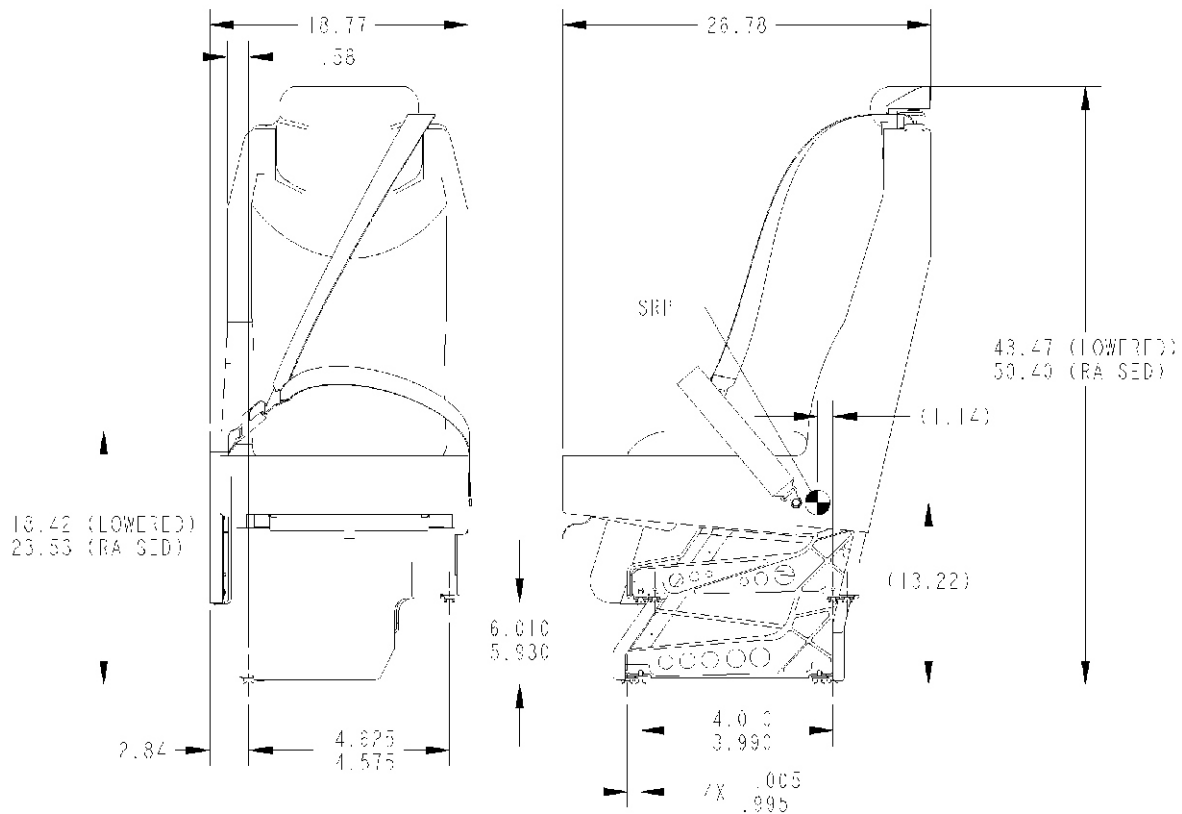
Artful finish. Perhaps the biggest challenge during the design of the lightweight energy-absorbing passenger seat was camouflaging such a functional system and keeping the functionality where it should be--hidden. The result is smooth cushion contours that provide aesthetic appeal, as well as comfort. Gentle curves are located in just the right areas to provide support to the occupant’s lower back and eliminate discomfort in the legs during long flights.

We'll help. The lightweight energy-absorbing seat may be adaptable to your specific application. Simula will work with you to integrate any of its seats into your specific aircraft application. From designing the necessary modifications, to re-certifying the seat installation, Simula will provide solutions for your requirements.²

¹Tested to the requirements of TSO-C127A (Type B). ²Any modifications to the certified design configuration will require of supplemental certification or re-certification, and will be quoted on an individual basis.

Superior Protection...with VIP Attributes, Durability and Comfort.

Seat Dimensions:



(Dimensions shown in inches)

Seat Installation Requirements:

The seat is designed to use heavy-duty floor tracks per MS 33601 (Brownline).

For more information contact:

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Protecting People in Motion