S3000 Lightweight, Crashworthy Rotorcraft Utility Seat

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 rotorcraft market.

The commercially-certified S3000 is a lightweight, rugged, crashworthy seat. The simplicity of this design is ideal for utility applications and does not require tools for wall-mount installation. The S3000 seat is FAA approved and TSO-C39b certified.

KEY FEATURES
- Meets 14CFR 29.561 and 29.562 requirements for structural performance
- Meets 14.CFR 29.853 requirements for flammability performance
- Accommodates 5th - percentile female to 95th - percentile male
STANDARD FEATURES

- 17 inch (43 cm) seat width
- 15.25 to 15.6 lb seat weight
- Folding seat pan
- 4-point restraint
- NVG compatible
- Simple and quick installation
- Wall mount

FIELD USE

- Civilian and military qualified
- Forward, rear and side-facing orientation

TYPICAL S3000 SEAT DIMENSIONS

S3000 SEAT TEST CONDITIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>T1 Limits</th>
<th>T2 Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. V m/sec (ft/sec)</td>
<td>9.14 (30)</td>
<td>12.8 (42)</td>
</tr>
<tr>
<td>Max. tr/sec</td>
<td>0.031</td>
<td>0.071</td>
</tr>
<tr>
<td>Min. G</td>
<td>30.0</td>
<td>18.4</td>
</tr>
<tr>
<td>Deform floor:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Degrees roll</td>
<td>10°</td>
<td>10°</td>
</tr>
<tr>
<td>Degrees pitch</td>
<td>10°</td>
<td>10°</td>
</tr>
</tbody>
</table>

Test pulse simulating aircraft floor deceleration-time history.

tr = rise time
V = Impact Velocity
G = Deceleration measured on the test fixture or the sled near the seat position