

# High Comfort Crew Seat



The High Comfort Crew Seat has been designed and qualified by Martin-Baker Aircraft Company Limited (MBA) in response to industry demand for a fully adjustable crew seat for civilian applications.

The seat combines state-of-the-art attenuation system technology, class leading adjustability, and low mass into a single package.

The seat is qualified to TSO-C127a, and is fitted to the Sikorsky S-92.

The seat features a high degree of adjustment to allow crew to adapt the seat to their exact requirements using easily accessible controls mounted onto the seat. Among the adjustable features is the headrest, TSO-C114 approved five point harness, armrests, thigh support, vertical height, fore and aft position, back recline angle and a fully adjustable lumbar support that offers an adaptable shape in addition to height adjustment.

The standard upholstery is a hard wearing black fabric material with a next generation sitting cushion design using pressure mapping technology.

The seat is easily installed and removed using quick release attachments, and has been designed to offer the maximum level of reliability.

The energy attenuation technology offered by Martin-Baker effectively absorbs the energy from heavy or crash landings, reducing the forces transmitted to the occupant to a survivable level as defined by the TSO-C127a specification

Variants of the High Comfort Crew Seat are installed in the following platform:

- ▼ S-92

- ▼ Fully adjustable lumbar support (vertical height and shape)
- ▼ Five point adjustable harness with manual lock control
- ▼ Installed/removed in less than one minute
- ▼ Integrates directly with cabin floor rail
- ▼ Fore and aft traverse adjustment
- ▼ Adjustable back recline angle
- ▼ Vertical height adjustment
- ▼ Adjustable thigh support
- ▼ Mechanically adjustable lumbar support
- ▼ Adjustable armrests (optional)
- ▼ Adjustable headrest (optional)



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## Specification Summary\*

Certification: ETSO/TSO C-127a

Options:

- Headrest
- Armrest

Certified Seat Weight: 42.1 lb - 46.6 lb dependant on options

Installation: Interfaces with 'T' section track

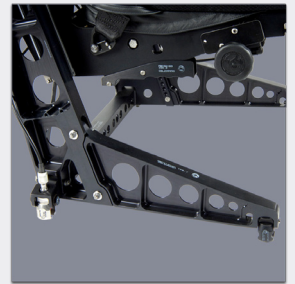
Installation Direction: Forward facing seat

Installation/Removal Time: < 1 minute

Harness: 5 pts, certified to TSO-C114

Adjustments:

- Fore/aft traverse adjustment
- Vertical height adjustment
- Armrest adjustment
- Thigh angle adjustment
- Lumbar adjustment
- Recline adjustment



Performance: AS8049A load performance for Type B seat in CS29:

- Static: 4.0g up, 16.0g FFS, 16.0g RFS, 8.0g lateral, 20.0g down
- Dynamic: 30.0g down, 18.4 forward

Upholstery: Multiple options

\* TSO C127a Type B (fore facing)

\* As with all TSO-C127a certifications, the installation is specific to the aircraft type and configuration. However, Martin-Baker is experienced at meeting customer specific requirements and obtaining the required certification.

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