

Aircrew Mission Seat



The Mission Seat is a highly versatile lightweight aircrew seat designed and manufactured by the world's most experienced manufacturer of crashworthy seats, aircraft escape systems, ejections seats and associated safety and survival equipment.

Martin-Baker Mission Seats have been qualified and certified for fixed wing aircraft, to numerous military and civilian specifications including (E)TSO-C39 & (E)TSO-C127 for CS25 aircraft. For military applications, the Mission Seat range has been successfully tested with occupant masses ranging between 63-113 kg (138-250 lb).

Martin-Baker Mission Seats offer class leading comfort through cushion technology developed through 1000's of flight hours, pressure mapping and user evaluation to allow for increased mission duration. The user has 360° rotational adjustment that can be locked in 15° increments and up to seven inches of vertical height adjustment are also available as well as 25° of backrest recline adjustment and adjustable lumbar support. Seats are fitted with stowable armrests with 25° adjustment and padded headrests with approximately 3" of height and 60° angular adjustment. The seat translates on either AS/MS33601 type heavy duty floor track, or aircraft specific floor pallets to allow forward and rearward adjustment as well as lateral translation when pallet mounted.

Martin-Baker Mission Seat harnesses have quick release rotary buckles incorporating lost motion to prevent against inadvertent release. Lap, shoulder, and crotch strap (if selected) lengths are fully adjustable to accommodate 5th – 95th percentile occupants. Additionally, seats with a shoulder mounted MA-16 type inertia reel are also available.

Additional configuration options include provision for under seat stowage for an immersion suit and a variety of upholstery options to suit the end user's specific applications.



Over 1,400 aircrew mission seats sold to date



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Aircrew Mission Seat

Specification Summary

Lightweight construction. 48.7 lb (22.1kg) to 56.7 lb (25.7kg) tested mass, depending on variant

Installed or removed in less than one minute

Integrates directly into AS/MS33601 track or pallet

Rotates 360° in lockable 15° increments

7" Vertical height adjustment

25° Recline adjustment

Stowable & 25° adjustable armrests

3" Height & 60° angular adjustable padded headrest

Translates forward, rearward and laterally when pallet mounted

Variety of seat upholstery options

Under seat immersion suit stowage

Environmentally tested to MIL-STD-810 or equivalent

Since its certification and release into service, the Martin-Baker Mission Seat has been installed in the following platforms and more:

- Boeing P-8 (Poseidon)
- BAE Jetstream 41
- BAE Systems Nimrod MRA4
- CASA C-295M
- Cessna Citation Latitude
- Dassault Falcon 20
- Embraer ERJ-145



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