

Multi Functional Operator's Seat (MFOS)



**OVER 4000 MULTI FUNCTIONAL
OPERATOR SEATS SOLD TO DATE**

Martin-Baker Multi-Functional Operator's Seat (MFOS) Lightweight, Crashworthy Crew Seat

The Multi-Functional Operator's Seat (MFOS) is a highly versatile lightweight crew 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.

MFOS have been qualified and certified for both rotary and fixed wing aircraft, to numerous military and civilian specifications including (E)TSO-C39 & (E)TSO-C127 for CS27/29 aircraft. For military applications, the MFOS has been successfully tested with occupant masses ranging between 54-116 kg (120-255 lb).

MFOS offers class leading comfort through cushion technology developed through 1000's of flight hours. The user has 360° rotational adjustment that can be locked in 15° increments. Up to five inches of vertical height adjustment are also available as well as a hinged stowable sitting platform. 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.

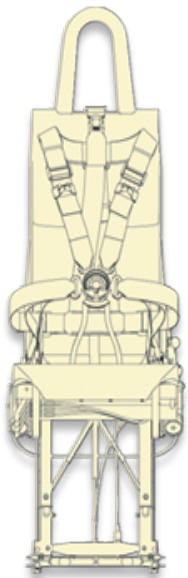
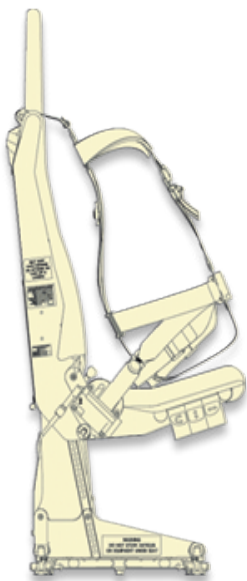
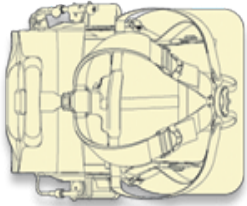
MFOS feature patented Martin-Baker energy absorbing attenuation technology which protects a full range of occupants without the need for an occupant mass adjustment mechanism.

MFOS 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, an MFOS with a shoulder mounted MA-16 type inertia reel is also available.

Additional configuration options include padded headrests, armrests, low reflectance finishes and a variety of upholstery options to suit the end user's specific applications.



Multi-Functional Operator's Seat (MFOS)



Specification Summary

- Lightweight construction. 34.5 lb (15.7kg) to 50.0 lb (22.7kg) 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
- 5" Vertical height adjustment
- Translates forward, rearward and laterally when pallet mounted
- Hinged stowable sitting platform
- Variety of seat upholstery options
- Stand-up harness available with MA-16 type reel and 46 inches of webbing pay-out
- Environmentally tested to MIL-STD-810 or equivalent

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

- Beechcraft King Air B200 / B350
- Sikorsky S-70 Firehawk
- Boeing CH-47 Chinook
- Sikorsky HH-60L/M Medevac
- Boeing MH-47G Chinook
- Sikorsky UH-60A/L IMSS Blackhawk
- Eurocopter EC155
- Sikorsky UH-60L A2C2S Comhawk
- Westland Lynx
- Sikorsky UH-60M Blackhawk
- Sikorsky HH-60G Pavehawk

Another unique feature making the MFOS range a class leading crew seat is the addition of stand-up harnesses with 46" of webbing pay-out through shoulder and lap mounted MA-16 type locking/self-locking inertia reels. These allow the occupant to leave the seat to conduct operations whilst remaining safely attached. A side facing TTOL position, pallet mounted seat with stand up harness is also available.

