

Multi Functional Operators Seat (MFOS)



Over 5,000 Multi Functional
Operator Seats sold to date

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.

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 12" floor track fitted fore/aft aircraft relative, conforming to specification MS/AS33601 (heavy duty).

MFOS features 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. Harness (4 point), lap and should strap lengths are fully adjustable.

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.

Configuration options include armrests, black or natural finish metalwork, reduced height adjustment and a range of upholstery options including medical covers.



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Multi-Functional Operator's Seat (MFOS)

Specification Summary

In line with TSO C127a Type B (fore and aft facing) requirements

Certification: Various (dependant on customer requirements)

Options:

- Black or natural metalwork
- Armrest, height adjustment - adjustable or fixed lowest height

Certified seat weight 46.35lb NTE mass

Installation: AS/MS33601 track or forward/rear facing seat

Harness: 4 pts 3-click, certified to TSO-C114

Adjustments:

- Fore/aft traverse adjustment
- Vertical height adjustment (5" max, 0.5" increments)
- Rotation (360° in 15° increments)

Performance: AS8049A, 50th percentile male, load performance for Type B seat for CS27/29 aircraft:

- Static: 4.0g up, 16.0g FFS, 16.0g RFS, 8.0g lateral, 20.0g down
- Dynamic: 30.0g down, 18.4 forward
- Facing any direction during flight: 2.67g up, 4g down

Upholstery: Options including medical covers

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

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



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