

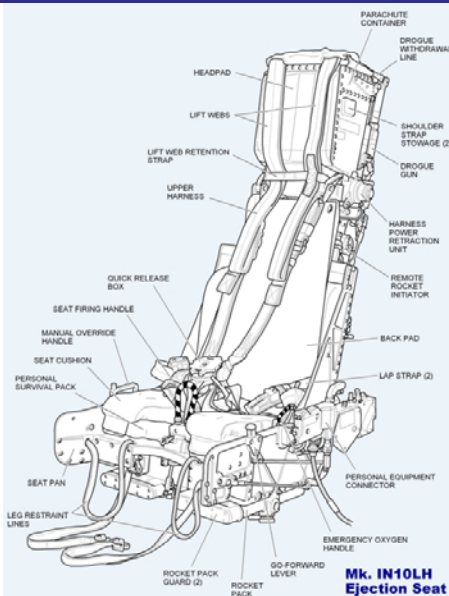
Mk.10 Seat

The Mk.10 seat is designed in four main units, catapult, main beam structure, seat bucket and parachute assembly. This greatly simplifies and speeds maintenance or cockpit access. The seat bucket can be rapidly removed to provide full access to the equipment in the cockpit without disarming or removing the seat main structure or aircraft canopy. In a similar way the seat can be rapidly installed or removed by assembly or disassembly of the main units in the aircraft. As the aircraft canopy is not removed, valuable maintenance time is saved.

The overall size footprint of the Mk.10 seat has been tailored to suit a large number of aircraft installations. This design envelope flexibility enables the seat to be perfectly matched to any existing or future cockpit space limitations without adversely affecting the primary design operation of the seat.



SPECIFICATIONS



INSTALLATIONS

Pampa / Hawk / F-18 / Mirage / Alpha Jet / Chengdu F-5 & F/T7 / Shenyang F-6 / J-22 / AMX / Mirage / Cheetah / Tucano & Super Tucano (ALX) / C-101 / Gripen / Kfir / MB-311 / MB-326 / MB-339 / K-8 / Tornado/ Soko / S-211 / IAR-99 /AIDC



● Operating ceiling	50 000 ft (15,250 m)
● Minimum height/speed	Zero/zero in near level attitude
● Crew boarding mass range	69.2 – 112.2 kg
● Crew size range	As defined in Survey of 2000 RAF Aircrew 1970/1971
● Maximum speed for ejection	600 KIAS
● Parachute type	GQ Type 1000 Mk 2
● Parachute deployment	Drogue assisted
● Drogue parachute type	5 ft and 22 in.
● Drogue deployment	Drogue gun. Initiated by trip rod/Gas operated Combined/Torso
● Harness type	Ejection gun and multi-tube rocket pack
● Ejection seat operation type	Single, two stage
● Ejection gun	72 in.
● Gun stroke length	Handle on seat pan initiates gas operated, seat firing system
● Ejection initiation	No
● Electronic sequencer	Yes + g-restrictor. Initiated by trip rod
● Barostatic time-release unit	No
● Automatic back-up unit	Yes
● Manual override handle	No
● Timers	Up/down Actuator operated 28 Vdc
● Seat adjustment	Yes, variant
● Arm restraints	Yes, two garters
● Leg restraints	Bottled emergency oxygen
● Oxygen supply	Onboard oxygen generating system connection
● Personal survival pack	Yes + Automatic Deployment and Liferaft inflation
● Aircrew services	Personal Equipment Connector
	- oxygen (main, back-up, and emergency)
	- mic/tel
	- anti-g suit supply
● Command ejection	Yes
● Canopy jettison	No
● Miniature detonating cord	Yes
● Interseat sequencing system	Yes, through command delay breach unit