

AIRCREW RESTRAINT HARNESSSES

Aircrew Restraint Harnesses are designed to totally restrain aircrew during aircraft manoeuvres and in a crash situation and will restrict body movement when subjected to loads up to 25g. The Type Z is a four-strap assembly. The Type RH is a five-strap assembly, incorporating a negative 'g' strap.

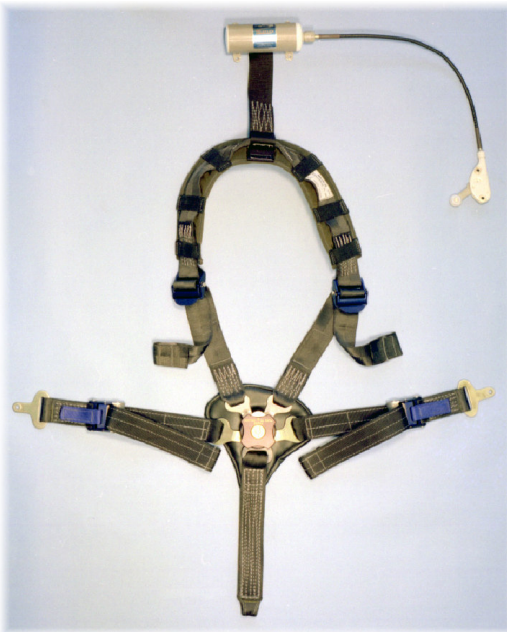
The fully adjustable harnesses are fitted to range of fixed and rotary wing aircraft in service with the UK and overseas Armed Forces. The Type Z is also approved by the UK Civil Aviation Authority (UK CAA) for use in civil aircraft.



Strap Assemblies - The strap assemblies are constructed from 44.5 mm (1.75 in) wide nylon webbing with a minimum breaking strength of 29 KN (6,500 lb).

Shoulder Straps - The adjustable shoulder straps can be supplied with configurations and fittings to suit specific aircraft types and fixing locations. When required, an inertia reel can be fitted that permits normal movement during flight but will automatically lock under an acceleration in excess of 1.3g.

Waist Pads - The waist pads are designed to spread the load over the greatest possible area preventing abdominal injuries. The straps and buckles are so positioned that they cannot cause injury in an emergency and can be adjusted to a maximum tightness without discomfort to the wearer.



Lap Straps - The adjustable lap straps form the lower attachment to the aircraft strong point. The free end of webbing, passes through the waist pad adjustment buckle. Harness assemblies are available with both downward pulling and upward pulling lap strap adjustment.

Quick Release Fitting (QRF) - The QRF is of lightweight design and is provided with entry slots for the harness strap assembly attachment lugs. Each QRF is proof loaded to 1,500 lb, which simulates a load of 25g. When the QRF is in the locked position, the operating knob will accept an accidental blow up to 20g in either direction without releasing the harness lugs. The operating knob can be turned in either direction to release the harness straps.

Metal Fittings - All metal fittings are manufactured from high quality alloys, are corrosion proof, non-magnetic and are normally finished in matt black to prevent reflection in the cockpit. The buckles remain spring-locked after adjustment. The fittings and the QRF are so designed that side loads will not cause failure or difficulty in releasing, even in the inverted position.

Both types are available in a range of configurations to suit specific aircraft types and fixing locations. Please enquire for specific types or designs to meet special requirements or potential applications.