The Airborne Systems Family of Brands
GQ Parachutes / Irvin Aerospace / Para-Flite / Aircraft Materials (AML)

GQ 360

TACTICAL PARACHUTE SYSTEM

The GQ 360 is a high performance parachute assembly specifically designed and engineered for tactical military operations, including High Altitude High Opening (HAHO) and High Altitude Low Opening (HALO). The system is fully approved for deployment and inflation at altitudes up to 7,700 m (25,000 ft) and all-up-weights of 160 kg (350 lb).

DESCRIPTION

Main Canopy - The parachute incorporates a 9-cell ram air pressurised gliding canopy, incorporating cross-port venting with external and inboard stabilisers for stability in turbulence and crosswind approach. A unique slotted flap system is incorporated for steering and braking. The main canopy is sleeve deployed with an auxiliary parachute system controlling the slider. The canopy rigging lines are connected to a pair of webbing risers which incorporate 3-ring release assemblies

Reserve Canopy - The assembly can be supplied with either a square or a round reserve parachute. The square reserve canopy is identical to the main canopy (Main on Main). The steerable round reserve canopy (H103) has a diameter of 8.6 m (28 ft)

Container - The main and reserve parachutes are stowed in a tandem container with the main parachute in the lower compartment

Harness - The harness is of split-saddle construction

CONFIGURATIONS

Static-Line Configuration - The main canopy is stowed in a sleeve with a pilot-chute attached at the top. The parachute is folded into a static-line bag. The assembly is fitted with a single-action cutaway release, which jettisons the main canopy via the 3-ring release assemblies and deploys the reserve parachute

Static-Line Main on Main …… NATO Stock Number : 1670-99-783-6151 ……..... Part Number : MRI GQ 1381

Free-Fall Configuration - The main canopy is stowed in a sleeve and is deployed by means of an auxiliary parachute. Deployment is achieved by means of a barometric opening device or by manual ripcord. The main canopy is jettisoned by a cutaway hand pad via the 3-ring release assemblies. The reserve parachute is deployed by a separate handle

Free-Fall Main on Main ……..…... NATO Stock Number : 1670-99-277-6333 ….…... Part Number : MRI GQ 1371

TECHNICAL SPECIFICATIONS

Maximum Deployment Altitude		7,700 m (25,000 ft) AMSL
Maximum All-up Weight (AUW)		160 kg (350 lb)
Rate of Descent at Maximum AUW :	Full Drive	4 m/s (13 f/s)
	50% Brakes	2.5 m/s (8.2 f/s)
Canopy Area:		33.9 m^2 (364.8 ft^2)
Glide Ratio:		2.75
Forward speed:		10 m/s (33 f/s)
Rate of turn		180 deg in 4 secs
Total Assembly Weight (Main on Main)		24 kg (52.8 lb)

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