

TACTICAL GLIDING PARACHUTES



The MT-1 Series offers a full range of tactical parachutes for Special Operations, HALO, and HAHO missions. The parachutes were specifically designed and engineered for tactical military operations. The systems have been live tested at altitudes of up to 35,000 feet (10,668 meters) and use gliding parachutes in both the main and reserve compartments. There are a number of available main canopies and reserve canopies, as well as harness/containers to accommodate various combinations.

MAIN PARACHUTES

MT-1S – The main parachute is available in a 5-cell or 7-cell configuration. The chutes are ram air pressurized gliding canopies equipped with slider reefing systems. The canopy size is 270 sq ft (25 m²) and has a 300 lbs (136 Kg) carrying capacity. The airfoil section is the high lift, low drag proprietary Lissamann 7808, which results in reasonably high forward speed, easy handling and docile stall characteristics. The main canopy can be safely deployed from 2,000 ft AGL up to 30,000 ft MSL and at indicated air speeds up to 150 KIAS.

MT-1X – The main parachute is ram air pressurized gliding canopy with a slider reefing system. The canopy is a 7-cell design and has an area of 370 sq ft (34.4 m²). The parachute can carry up to a maximum of 360 lbs (163 Kg) and uses the high lift, low drag Lissamann 7808 airfoil which results in reasonably high forward speeds, easy handling and docile stall characteristics. The chute is available in three deployment configurations: free-fall only, static line only, and as a combination convertible static line and free-fall model.

MT-1Z - The main canopy is a ram air pressurized gliding parachute designed specifically to improve the offset distance capabilities of tactical gliding parachute systems. It is an 11-cell canopy, which comes in two sizes: 308 sq ft (all-up weight 360 lbs/164 kg), and 370 sq ft (all-up weight 450 lbs/205 kg). The MT-1Z has a number of features that generate the significant offset distance improvements, such as a modified ram-air intake based on modification of the leading edge. Another significant departure from conventional ram-air parachute design is the replacement of stabilizers with the unique end cell structures. The MT-1Z top surface utilizes zero porosity-coated fabric.



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MT-1-0203



RESERVE PARACHUTES

The available reserve parachutes are the same as the main parachutes. The reserve parachute may be selected to be identical to the main parachute for tactical reasons, or a smaller reserve may be selected to reduce weight and bulk of the parachute system. The deployment system for all of the MT-1 series reserve parachutes is the free-bag system.

HARNESS/CONTAINER ASSEMBLIES

The MT-1 series of harness/container assemblies are dual parachute containers mounted on the back of the parachutist leaving the front clear for mounting a payload or instrumentation. These harness/containers are built to US military standards or better. They are all fully adjustable, with extra wide leg straps for long duration standoff operations, and have four front-mounted equipment rings.



The main compartments can be opened with a manual ripcord, a static line or an AAD (Automatic Activating Device). The reserve compartment can be manually opened with a ripcord, a compatible AAD, or with the built-in static line system, which activates the reserve automatically in case of a breakaway from the main canopy. The built-in reserve static line has a quick disconnect feature to facilitate releasing the main canopy on the ground for various reasons. All harness/containers are compatible with various AADs, communication systems, navigation systems, and the Para-Flite manufactured oxygen breathing systems, which come in several capacities. Each of the harness/container systems can be customized for various combinations of accessories.