

TACTICAL GLIDING PARACHUTE SYSTEM



The MT-1Z 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 ft² and 370 ft².

The MT-1Z has a number of features that generate the significant offset distance improvements, such as a modified ram-air intake covered by U.S. Patent 4,406,433, 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, for which there is a patent pending. The MT-1Z top surface utilizes zero porosity-coated fabric. The MT-1Z 308 has the capability of carrying up to 360 lbs (164 kg), while the MT-1Z 370 can carry up to 450 lbs (205 kg).

Features:

- ◆ *Deployment Methods:*
 - Free Fall
 - Static Line
- ◆ *Suitable for HAHO and HALO Operations*
- ◆ *Significantly increased glide performance results in greater achievement of offset distances.*
- ◆ *Standard Slider Reefed Free Fall Mode offers reduced opening shock as a result of a patented special "lipped" slider.*

OPERATIONAL USE

- A. The MT-1Z with standard deployment bag and pilot chute may be used to replace existing MT-1X type main canopies in the parachute systems that are currently in service. This allows the user to benefit from the advantages of the MT-1Z in terms of handling and landing as well as a 50% improvement in offset distances. From another perspective, this implementation of the MT-1Z main canopy will allow the user to obtain the same offset distances from 17,500 ft. MSL that the currently in-service canopies produce from 25,000 ft. MSL.
- B. The MT-1Z main canopy, including its high speed/high altitude deployment system, can be installed in any existing static line operable harness/container. This mode of use will allow operational use of the MT-1Z main canopy up to 25,000 ft. MSL. From 25,000 ft. MSL the MT-1Z canopy performance will allow for offset distances that are approximately 50% to 70% greater than existing parachutes in service.
- C. As part of the MT-1Z system with identical main and reserve canopies.

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MT-1Z-0303

