

The OCTO-11 troop parachute is the latest addition to Airborne Systems' portfolio of parachutes.

After 10 years of service, the T-11 parachute performance and user feedback were analyzed by our Research and Development team. A major development program was initiated aimed at preserving the unique qualities of the T-11 (soft, consistent openings, slow rate of descent and virtually perfect stability) while reducing the number of components, simplifying rigging, reducing packing time, and improving responsiveness to riser slip maneuvers.

The result is the OCTO-11. This parachute features an octagonal crown and eight arms fitted with horizontal mesh to improve stability. The eight arms are joined to form a continuous hem. The small eight corner vents are meshed to eliminate the risk of jumper entanglement.

The OCTO-11 is composed of 24 shaped gores, providing radials of equal length. The hem is equipped with an anti-inversion net and no slider is required to control the opening.

The unique design of the OCTO-11 allows for smooth progressive opening (4 seconds) and low oscillation after canopy inflation. Two toggles allow the jumper to rotate the canopy along its vertical axis while maintaining its ballistic characteristics. No drive is created, which significantly reduces the chance of canopy collision. Effective riser slip can be induced with minimal force.

The OCTO-11 is fully compatible with the T-11R reserve parachute.

OCTO-11 Features:

- Octagonal crown
- Eight arms with meshed corner vents
- Rotate-to-land capability
- Stable, low rate of descent reduces landing injuries
- Traditional packing / 24 lines
- Fits 5th percentile female through 97th percentile male



Specifications

OCTO-11 Main Parachute

Ordering information (Includes OCTO-11 Main and T-11R Reserve Parachute)

Part number	822900-1
NSN	1670-01-679-3547
Hem diameter	25.5 ft (7.8 m)
Rate of descent at sea level	
400 lb (181.4 kg) AUW	< 18 ft/s (< 5.48 m/s)
Maximum aircraft speed	150 KIAS (278 km/h)
Maximum All Up Weight	450 lb (204 kg)
Deployment altitude – Above Sea Level (ASL)	
Minimum	500 ft ±125 ft (152.4 m ± 38.1 m)
Maximum	12000 ft (3650 m)
Repack cycle	365 days



Reserve Parachute

The OCTO-11 main parachute is equipped with the well-known and trusted T-11R reserve parachute. The T-11R is an aero-conical design and was tested extensively by the US Army under various types of main canopy malfunctions proving the T-11R to be an excellent reserve for both the T-11 and the OCTO-11.

The reserve attachment points are at the same location as the main riser attachment points on the T-11. The common attachment points

allow the force of the reserve deployment to be transmitted through the long axis of the jumper's body. Additionally, the jumper is able to maintain a vertical orientation under the reserve canopy, enabling a proper prepare-to-land vertical attitude.

- Center pull handle allows jumper to activate using either hand
- Lower rate of descent than the T-10R at higher all up weight
- Jumper maintains vertical orientation allowing proper landing attitude
- Fully qualified for use with the MC-6, T-11, and OCTO-11 main parachute systems
- Static-line AAD compatible

Specifications

Ordering information

Part number 11-1-7730-1
NSN 1670-01-535-2248

Canopy inflation diameter

20.3 ft (6.2 m)

Rate of descent at sea level

400 lb (181.4 kg) AUW < 27 f/s (< 8.2 m/s)

Height loss from activation to deployment after 4 second delay from aircraft

150 ft (46 m)

Assembly weight

14.7 lb (6.7 kg)

Maximum aircraft speed

150 KIAS (278 km/h)

Maximum suspended weight

All Up Weight 400 lb* (180 kg)

Repack cycle

365 days

*A new reserve is in development to accommodate the increased weight capacity of the main canopy.

T-11R Reserve Parachute



T-11R Upgraded Pack Tray



T-11R Alternative Pack Tray

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