

Cargo parachute systems

DESCRIPTION:

The T500-998 is a robust and versatile parachute system designed for medium-load airdrop operations. Compatible with standard cargo platforms and various payload configurations, it ensures precise, reliable delivery and minimizes impact damage during descent. Its durable construction and integrated components guarantee operational reliability and ease of deployment, making it ideal for demanding airdrop missions.

General Specifications

Canopy Design :

- Diameter: 19.5 meters (64 feet).
- Material: High-strength nylon, featuring a flat circular design for stable descent.
- Panel & Line Identification: Canopy panels and suspension lines are sequentially numbered in a clockwise direction for inspection and maintenance.

Deployment Options :

- Can be used individually or in tandem/group configurations for heavier payloads

Payload Capacity:

- Single Parachute: Up to 998 kg (2,200 lbs).
- Dual or Multiple Parachutes: Supports up to 1,588 kg (3,500 lbs) with two parachutes

Airdrop Altitude :

- Minimum True Altitude: 145 meters (475 feet) to 168 meters (550 feet)

Performance Specifications

Model	T500-998-K001-01
Total System Weight	58kg (128 lbs)
Packed Dimension	89cm*61cm*30cm (35in*24in*12in)
Packed Volume	161L
Maximum Payload Capacity	998kg(2,200 lbs)
Minimum Payload Capacity	227 kg (501 lbs)
Deployment Speed	140 knots IAS
Canopy Shape	Flat Circular
Nominal Diameter	19.5m (64 ft)
Canopy Material	2.25 oz, type I, nylon parachute cloth
Number of Suspension Lines	64
Suspension Line Material	Type IV coreless nylon cord
Length of Suspension Line	15.5m. (51 ft)
Suspension Riser Assemblies	2
Deployment Bag Dimensions	91cm*61cm*25cm (35in*24in*12in)
Pilot Chute Shape	Flat Octagonal
Nominal Diameter of Pilot Chute	173cm (68 in)
Canopy Material	1.1 oz , type I ripstop nylon parachute cloth
Number of Suspension Lines (Pilot Chute)	8
Suspension Line Material (Pilot Chute)	Type III nylon cord
Deployment Line Length	282cm (111in)
Static Line Length	4.57m (15 ft)
Cargo Net Assembly Weight	17.5kg(38 lbs)
Cargo Net Assembly Capacity	998kg(2,200 lbs)

Suspension System

Riser Assembly :

- Two riser assemblies, each consisting of four suspension line risers
- Risers converge into two connection rings, which attach to a U-shaped suspension shackle
- Each riser connects to eight sequentially numbered suspension lines via secure connection links

Adjustable Tie-Down Net Assembly

The tie-down net assembly secures payloads effectively during airdrop operations, complementing the main parachute system.

- Weight: 17.5 kg (38 lbs)
- Load Capacity: 998 kg (2,200 lbs)

Components and Materials

Tie-Down Net :

- Material: Type VII nylon webbing.
- Construction: Stitched onto a 29.93 oz nylon canvas abrasion-resistant pad

Tie-Down Cover :

- Material: 29.93 oz nylon canvas

Binding Ropes :

- Material: Type I nylon rope.
- Diameter: 6.5 mm (0.25 inches)
- Length: 3.35 meters (11 feet)

Suspension Slings :

- Material: Type VIII nylon webbing
- Length: 0.7 meters (27.50 inches)
- End Features: Connector hook on one end D-ring on the other end

***Customized Service Available**

Contact

☎ +86 159 7530 6533
✉ sales@skyeagleparachute.com
🌐 www.skyeagleparachute.com



Building A1, Zhongjia Creative Park,
Donghuan Second Road, Longhua District,
Shenzhen City, Guangdong Province, China.
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