



**TECHNICAL SPECIFICATIONS  
MILITARY PARACHUTE AA300 S**

No	Description	Pictures
1.	<p><b>AA300 S Tactical Parachute System (Military)</b></p> <p><b>A. MAIN PARACHUTE</b></p> <ol style="list-style-type: none"> <li>1. Canopy           <ol style="list-style-type: none"> <li>a. Cross-sectional area : 300 Sqft</li> <li>b. Shape : Square</li> <li>c. Number of cells : 9 Cell</li> <li>d. Canopy Length (Span) : 8.3 m</li> <li>e. Canopy Width (Chord) : 3.3 m</li> <li>f. Aspect Ratio : 2.6 : 1</li> <li>g. Canopy Material : Top Skin ZP 0 CFM Ribbs and Bottom Skin Nano 0-3 CFM</li> <li>h. Opening Force : 150 KIAS</li> <li>i. Tearing Strength : 12 lbs/46 lbs</li> <li>j. Base Color : Grey</li> <li>k. Structure : Hybrid Construction</li> </ol> </li> <li>2. SUSPENSION LINE           <ol style="list-style-type: none"> <li>a. Material : Dacron</li> <li>b. Strength : 600 Lbs</li> <li>c. Number of Canopy Lines : 22 Threads</li> <li>d. Number of Steering Lines : 2 Threads</li> </ol> </li> <li>3. Development Method (Deployment System) Hand Deploy, Static Line, Main Ripcord</li> <li>4. Speed Down (Rate Of Descent)           <ol style="list-style-type: none"> <li>a. Full Speed (Full Flight) : 5 m/s</li> <li>b. 50% Steering Pulled : 4 m/s</li> <li>c. 100% Retractable Steering : 3 m/s</li> </ol> </li> <li>5. Forward Speed           <ol style="list-style-type: none"> <li>a. Full Speed : 10 m/s</li> <li>b. 50% Steering Pulled : 8 m/s</li> <li>c. 100% Retractable Steering : 4 m/s</li> </ol> </li> </ol>	  

d. Forward speed comparison  
with descending speed : 3.5 : 1

6. Other

- a. Overall Canopy Weight : 5.6 kg
- b. Dropping Speed : 120 knots
- c. Maximum Exit Altitude : 25,000 feet
- d. Minimum Exit Altitude : 2,000 feet
- e. Carrying Capacity : 145 Kg
- f. Emergency Development : Using AAD
- g. 180° Rotating Speed : 2 Seconds
- h. 360° Rotating Speed : 4 Seconds

**B. RESERVE PARACHUTE**

1. Canopy

- a. Cross-sectional area : 300 Sqft
- b. Shape : Square
- c. Number of cells : 9 Cell
- d. Canopy Length (Span) : 8.3 m
- e. Canopy Width (Chord) : 3.3 m
- f. Aspect Ratio : 2.6 : 1
- g. Canopy Material : Top Skin ZP 0 CFM  
Ribs and Bottom Skin  
Nano 0-3 CFM
- h. Opening Force : 150 KIAS
- i. Tearing Strength : 12 lbs/46 lbs
- j. Base Color : Grey

2. SUSPENSION LINE

- a. Material : Dacron
- b. Strength : 600 Lbs
- c. Number of Canopy Lines : 22 Threads
- d. Number of Canopy Lines : 2 Threads

3. Development Method (Deployment System)

Hand Deploy, Static Line, Main Ripcord

4. Speed Down (Rate Of Descent)

- a. Full Speed (Full Flight) : 5 m/s
- b. 50% Steering Pulled : 4 m/s
- c. 100% Retractable Steering : 3 m/s

- 5. Forward Speed
  - a. Full Speed : 10 m/s
  - b. 50% Steering Pulled : 8 m/s
  - c. 100% Retractable Steering : 4 m/s
  - d. Forward speed comparison with descending speed : 3.5 : 1

- 6. Other
  - a. Overall Canopy Weight : 5.6 kg
  - b. Dropping Speed : 120 knots
  - c. Maximum Exit Altitude : 25,000 feet
  - d. Minimum Exit Altitude : 2,000 feet
  - e. Carrying Capacity : 145 Kg
  - f. Emergency Development : Using AAD
  - g. 180° Rotating Speed : 2 Seconds
  - h. 360° Rotating Speed : 4 Seconds

**C. Container**

- 1. Material : Cordura
- 2. Specifications : MIL- C - 43734 Class 3
- 3. Harness : PIA - W - 4088 6000 lbs
- 4. Rings : Cadmium Plate / Stainless Steel
- 5. Hook knife
- 6. Container Bag
- 7. Supporters :
  - a) Can be used for AFF
  - b) Can be used using static straps
  - c) Able to carry additional equipment such as oxygen cylinders, weapons, and additional containers for special equipment in carrying out operations
  - d) Can use various types of modern AAD
  - e) Can use MARD
  - f) Using Magnetic Riser Cover that works during the development process

## 2. Automatic Release Vigil Military

### Technical Specifications

1. Operation Mode : Pro, Tandem, Bundle
2. Activation : Ground Zero, Aircraft Activation
3. Total Weight : 400 g
4. Total Volume : 130 cm<sup>3</sup>
5. Operation Data :
  - a. Altitude Correction : +6000 ft (+2000 m) up to -6000 ft (2000m)
  - b. Operating Range : -1800ft( -600m) up to +100,000 ft (30,000m)
  - c. Working Temperature : -13°F (-25°C) to 158°F (+70°C)
  - d. Lifespan : Max 20 years
  - e. Treatment Time : none
  - f. Water Resistance : Depth 6 Ft (1.8m) max 24 Hours
6. Power Source :
  - a. Battery Type : 3.6v Dual Previously Lithium AA
  - b. Working Temperature : -25°C (13°F) to 70°C (158°F)
  - c. Battery life : 10 Years
7. Electronic Circuits :
  - a. Main Box Dimensions : 102 x 51 x 20 mm
  - b. Processor : 8 Bit
  - c. Cover : Anti Electromagnetic
  - d. Connector : External Dual Connector
8. Control Unit :
  - a. Dimensions : 26 x 91 m
  - b. LCD : Scratch Proof Sapphire Glass
  - c. CableType : Kevlar Covered
  - d. CableLength : ± 900 mm
9. Cutter Unit (Cutter) :
  - a. Cutter Type : Pyrotechnical Cutting with Circular Knife
  - b. Cutting Time : Less than 2 ms
  - c. Cable Type : Kevlar Covered
  - d. Cable Length : ± 600 mm



**3. Altitrack Altimeter**

Technical Specifications :

- 1. Dimensions : 85 x 69 x 25 mm
- 2. Weight : 238 g
- 3. LCD Screen : 9.5 cm<sup>2</sup>
- 4. Infrared transmission distance : Max 30 cm
- 5. Storage Temperature : - 20°C to 70°C
- 6. Operating Temperature : - 35°C to 80°C
  - : Runs at - 50°C for 10 minutes
- 7. Air pressure during storage : 200 to 1075 mBar
- 8. Max humidity : above 99.9% rail humidity
- 9. Altitude adjusting distance: 200 to 1075 mBar (20.67 to 31.74 In.Hg)
- 10. Service Period : 14 hours
- 11. Treatment Time : 4 and 8 years from time Manufacture
- 12. Battery Type : SAFT Lithium LS 14250 (3.6V) Or similar
- 13. Battery life (normal conditions) : 2 years
- 14. NATO Stock Number : 6675-22-616-5036
- 15. Logbook :
  - a. Maximum display data :
    - 1) Profile Storage : 400 minutes
    - 2) Accumulated number of falls : 19,999 times
    - 3) Fall height : 39,999 ft (12,191 m)
    - 4) Accumulated freefall time : 999 hours
  - b. Tolerance :
    - 1) Height of Falls : ± 1.2%
    - 2) Altitude to inflate canopy : ± 1.2%
    - 3) Freefall time : ± 1 second
    - 4) Speed (TAS/SAS) : ±5 kmh



**4. JUMPSUIT TUNNEL**

- Construction : Front, Seat, Arm & Legs - Insulated  
Back - not insulated for temperature control  
Hook & Loop Adjustable Closures on arm and leg cuffs

