

# **TPDS**

## **AIRBORNE**



**2020**

**Tactical Parachute Delivery Systems, Inc.**  
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## TPDS Military Airborne Parachute Harness, Personnel Type, INVASION II

The **TPDS INVASION II** is designed for Static Line operations with a single operator. The **Invasion II** is a **Foreign Object Debris** (F.O.D.) free Airborne Harness/Container System designed to accommodate any size jumper with any aircraft commonly used in military airborne operations. It can be used without the use of #80 Break Tape to insure a debris-free rigging area and drop zone.

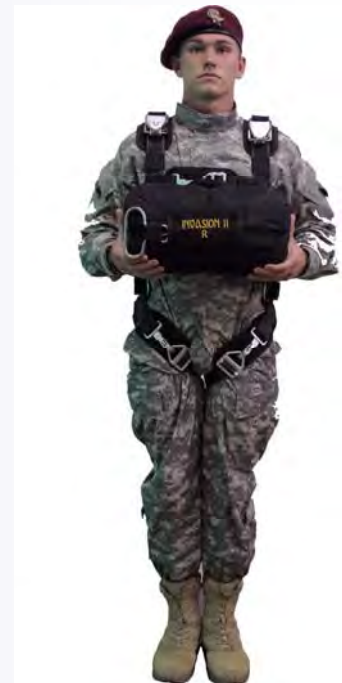
### TPDS-INVASION II Specs:

Main Canopy Release System:	1 1/2 Shot Capewell Release System
Harness Adjustments:	7 points; Main Lift Webbing, Lateral, Leg and Chest to fit any jumper.
Harness:	Adj. Main Lift Webbing, Laterals and Chest Strap; Type 7 Mil-W-4088
Leg Strap Hardware:	B-12 Snaps, Quick Ejectors, or Thread Thru. (Mil-SPEC)
Chest Strap Hardware:	B-12 Snaps, Quick Ejectors, or Thread Thru. (Mil-SPEC)
Container Material:	
Main Container-	1000 Denier Cordura
Reserve Container-	420 Denier Para Pak
Container Colors:	Black, Smoke, Desert Camouflage, Woodland Camouflage, Olive Drab Green and others upon request.
Suspended Weight Range:	100-425 lbs. (45-193 kg.)
Main Canopy-	TPDS-INV-400, INV-402, INV-404, INV-406 (35 ft. dia.) TPDS-INV-401, INV-403, INV-405, INV-407 (42 ft. dia.)
Reserve Canopy-	
Harness/Container Weight:	TPDS-INV-300 (28 ft. dia.) Reserve Parachute
Main Container-	32 lbs. (14.5 kg.)
Reserve Container-	13 lbs. (6 kg.)
Main Deployment Type:	Deployment Bag / Static Line



### TPDS-INVASION II Options

- Cotton Line Stows or Rubber Bands
- Velcro Apex Connector or #80 Break-tape
- Velcro Riser Connectors or #80 Break-tape
- Reserve Container Pilot Chute
- Carry-all Gear Bag
- Main Closing (Flex Pin, Static Line or 80# Break-tape)
- Reserve Handle (Center Pull or Right Hand Pull)



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## TPDS INVASION II NON-STEERABLE MAIN PARACHUTE, (INV-400) & (INV-401 XL)

The **TPDS Invasion II** Main Parachute is a 35 ft. diameter parabolic *Troop Back Parachute* with anti-inversion netting. It is also available in a larger 42 ft. diameter version for the heavier loaded jumper. Both the **INV-400 & INV-401 XL** have venting with anti-inversion netting to optimize the rate of descent and to minimize oscillation. Both have **28** gores and block construction using low porosity, high UV resistant rip-stop nylon fabric. The **Invasion II 400** and **Invasion II 401 XL** both provide the capability to safely deliver airborne soldiers with individual equipment from an aircraft in-flight for vertical assault. The system features a static line deployment. It is limited to use in winds not to exceed 35 knots at altitude and 16 knots at the surface.

### TPDS-Invasion II Main Specs:

#### Performance Data

	<u>INV-400</u>	<u>INV-401 XL</u>
Suspended Weight Range:	130-350 lbs. (59-159 kg.)	130-425 lbs. (59-193 kg.)
Rate of Descent:	9.5-15 fps.@130 lbs.-350 lbs. 4 mps. @ 91 kg.	9.5-15 fps. @ 130 lbs.- 425 lbs. 4 mps. @ 102 kg. to 4.6 mps. @193 kg.
Forward Speed:	0 mph (0 km/h)	0 mph (0 km/h)
Stability Range:	<10° angle of oscillation	<10° angle of oscillation
360° Turn:	7-8 seconds	7-8 seconds
Opening Time:	2.6 seconds at 150 kts.	2.6 seconds at 165 kts.

#### Physical Specifications

Fabric:	PIA-C-44378 Type- IV	PIA-C-44378 Type- IV
Modifications:	Oscillation Control Vent (OCV)	Oscillation Control Vent (OCV)
Anti-Inversion Netting:	Yes	Yes
Canopy Weight:	15.75 lbs. (7.1 kg.)	18 lbs. (8.1 kg.)
Shape:	Parabolic	Parabolic
Diameter:	35 ft. (10.7 m.)	42 ft. (13 m.)
Number of Gores:	28	28
Line Length:	226" /18.8' /576 cm.	265" / 22' / 674 cm.
Suspension Line Material:	525 lbs. Dacron Braid	525 lbs. Dacron Braid



## TPDS INVASION II NON-STEERABLE MAIN PARACHUTE, (INV-404) & (INV-405 XL)

These **TPDS Invasion II** Main Parachutes are 35 ft. diameter and 42 ft. diameter parabolic *Troop Back Parachutes* with anti-inversion netting. Both the **INV-404 & INV-405 XL** have venting with anti-inversion netting to optimize the rate of descent and to minimize oscillation. Both have **30** gores and block construction using low porosity, high UV resistant rip-stop nylon fabric. The **Invasion II 404** and **Invasion II 405 XL** both provide the capability to safely deliver airborne soldiers with individual equipment from an aircraft in-flight for vertical assault. The system features a static line deployment. It is limited to use in winds not to exceed 35 knots at altitude and 16 knots at the surface.

### TPDS-Invasion II Main Specs:

#### Performance Data

	<u>INV-404</u>	<u>INV-405 XL</u>
Suspended Weight Range:	130-350 lbs. (59-159 kg.)	130-425 lbs. (59-193 kg.)
Rate of Descent:	9.5-15 fps.@130 lbs.-350 lbs. 4 mps. @ 91 kg.	9.5-15 fps. @ 130 lbs.- 425 lbs. 4 mps. @ 102 kg. to 4.6 mps. @193 kg.
Forward Speed:	0 mph (0 km/h)	0 mph (0 km/h)
Stability Range:	<10° angle of oscillation	<10° angle of oscillation
360° Turn:	7-8 seconds	7-8 seconds
Opening Time:	2.6 seconds at 150 kts.	2.6 seconds at 165 kts.

#### Physical Specifications

Fabric:	PIA-C-44378 Type- IV	PIA-C-44378 Type- IV
Modifications:	Oscillation Control Vent (OCV)	Oscillation Control Vent (OCV)
Anti-Inversion Netting:	Yes	Yes
Canopy Weight:	15.75 lbs. (7.1 kg.)	18 lbs. (8.1 kg.)
Shape:	Parabolic	Parabolic
Diameter:	35 ft. (10.7 m.)	42 ft. (13 m.)
Number of Gores:	30	30
Line Length:	226" /18.8' /576 cm.	265" / 22' / 674 cm.
Suspension Line Material:	525 lbs. Dacron Braid	525 lbs. Dacron Braid

## TPDS INVASION II STEERABLE MAIN PARACHUTE - (INV-402) & (INV-403 XL)

The **TPDS Invasion II** Steerable Main Parachute is a 35 ft. diameter parabolic *Troop Back Parachute* with anti-inversion netting. It is also available in a larger 42 ft. diameter version for the heavier loaded jumper. Both the **INV-402 & INV-403 XL** have venting with anti-inversion netting to optimize the rate of descent and to minimize oscillation. Both have **28** gores and block construction using low porosity, high UV resistant rip-stop nylon fabric. Two control lines are attached to the outside suspension lines of the modifications, line 5 & line 24, to provide turning capability. The **Invasion II 402** and **Invasion II 403 XL** both provide the capability to safely deliver airborne soldiers with individual equipment from an aircraft in-flight for vertical assault. The system features a static line deployment. It is limited to use in winds not to exceed 35 knots at altitude and 16 knots at the surface.

### TPDS-Invasion II Main Specs:

#### Performance Data

#### INV- 402

#### INV- 403 XL

Suspended Weight Range:	100-360 lbs. (59-159 kg.)	200-425 lbs. (59-159 kg.)
Rate of Descent:	9.5-15 fps. @ 130 lbs.-350 lbs. 4 mps. @ 91 kg.	9.5-15 fps. @ 130 lbs.-350 lbs. 4 mps. @ 102 kg. to 4.6 mps. @ 193 kg.
Forward Speed:	8-10 mph (13-16 km/h)	8-10 mph (13-16 km/h)
Stability Range:	<10° angle of oscillation	<10° angle of oscillation
360° Turn:	8.5 seconds	7-8 seconds
Opening Time:	2.6 seconds at 150 kts.	2.6 seconds at 150 kts.

#### Physical Specifications

Fabric:	PIA-C-44378 Type- IV	PIA-C-44378 Type- IV
Modifications:	7-TU	7-TU
Anti-Inversion Netting:	Yes	Yes
Canopy Weight:	15.75 lbs. (7.1 kg.)	18 lbs. (8.1 kg.)
Shape:	Parabolic	Parabolic
Diameter:	35 ft. (10.7 m.)	42 ft. (13 m.)
Number of Gores:	28	28
Line Length:	226" / 18.8' / 576 cm.	265" / 22' / 674 cm.
Suspension Line Material:	525 lbs. Dacron Braid	525 lbs. Dacron Braid

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## TPDS INVASION II STEERABLE MAIN PARACHUTE - (INV-406) & (INV-407 XL)

These **TPDS Invasion II** Steerable Main Parachutes are 35 ft. diameter and 42 ft. diameter parabolic *Troop Back Parachutes* with anti-inversion netting. Both the **INV-406 & INV-407 XL** have venting with anti-inversion netting to optimize the rate of descent and to minimize oscillation. Both have **30** gores and block construction using low porosity, high UV resistant rip-stop nylon fabric. Two control lines are attached to the outside suspension lines of the modifications, line 5 & line 24, to provide turning capability. The **Invasion II 406** and **Invasion II 407 XL** both provide the capability to safely deliver airborne soldiers with individual equipment from an aircraft in-flight for vertical assault. The system features a static line deployment. It is limited to use in winds not to exceed 35 knots at altitude and 16 knots at the surface.

### TPDS-Invasion II Main Specs:

#### Performance Data

#### INV- 406

#### INV- 407 XL

Suspended Weight Range:	100-360 lbs. (59-159 kg.)	200-425 lbs. (59-159 kg.)
Rate of Descent:	9.5-15 fps. @ 130 lbs.-350 lbs. 4 mps. @ 91 kg.	9.5-15 fps. @ 130 lbs.-350 lbs. 4 mps. @ 102 kg. to 4.6 mps. @ 193 kg.
Forward Speed:	8-10 mph (13-16 km/h)	8-10 mph (13-16 km/h)
Stability Range:	<10° angle of oscillation	<10° angle of oscillation
360° Turn:	8.5 seconds	7-8 seconds
Opening Time:	2.6 seconds at 150 kts.	2.6 seconds at 150 kts.

#### Physical Specifications

Fabric:	PIA-C-44378 Type- IV	PIA-C-44378 Type- IV
Modifications:	7-TU	7-TU
Anti-Inversion Netting:	Yes	Yes
Canopy Weight:	15.75 lbs. (7.1 kg.)	18 lbs. (8.1 kg.)
Shape:	Parabolic	Parabolic
Diameter:	35 ft. (10.7 m.)	42 ft. (13 m.)
Number of Gores:	30	30
Line Length:	226" / 18.8' / 576 cm.	265" / 22' / 674 cm.
Suspension Line Material:	525 lbs. Dacron Braid	525 lbs. Dacron Braid

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## **TPDS INVASION II RESERVE PARACHUTE, (INV-300)**

The **TPDS Invasion II Reserve Parachute** is a 28 ft. diameter conical shaped parachute. It is tested to Aerospace Standard 8015B, the drop test standard for approval under FAA TSO C-23.

### **TPDS-Invasion II Reserve Specs:**

#### **Performance Data**

Maximum Suspended Weight:	275 lbs. (125 kg.)
Rate of Descent:	9.5-15 fps. @ 130 lbs.- 275 lbs.
Forward Speed:	0 mph (0 km/h)
Stability Range:	<9° angle of oscillation
360° Turn:	7-8 seconds
Opening Time:	1.2 - 2 seconds

#### **Physical Specifications**

Canopy Weight:	7.5 lbs. (approx.) (3.4 kg.)
Modifications:	Yes
Shape:	Conical
Diameter:	28 ft. (8.5 m.)
Number of Gores:	24
Panels per Gore:	3
Canopy Cloth:	PIA-C-44378
Line Length:	555 cm. @ 2 kg./5 lbs. Tension
Line Material:	Dacron Braid
Line Tensile Strength:	525 lbs. (238 kg.)
Number Circumferential Reinforcing Tapes:	2



## TPDS Light Load Tactical, TPDS-LLT

The **TPDS Light Load Tactical** is designed for HALO-HAHO operations with a single operator carrying full combat equipment and bundles. The system can be set-up for multiple deployment systems such as: Throw-out BOC, Static line Direct Bag, Spring-loaded Ripcord; BOC, Hip or Chest, or Spring-loaded Pilot Chute Assist Static Line.

### TPDS-LLT Specs:

Maximum Suspended Weight:	490 lbs. (222 kg.)
Maximum Deployment Altitude:	35,000 ft. (10668 m.)
Minimum Deployment Altitude:	Main Canopy 4500 ft. (1400 m.) Reserve Canopy 2000 ft. (600 m.)
Equipment Configurations:	6 Attachment Points for Bundles, Front and/or Rear.
Main Canopy:	TPDS-200 through TPDS-400
Reserve Canopy:	TPDS-200 through TPDS-400
Harness/Container Weight:	30 lbs. (13.6 kg.) Including Canopies and AAD (Varies by Canopies)
Reserve AAD Set-up Locations:	Reserve Flap or Back Pad.
Main Deployment Type:	Throw-out P/C, Spring-loaded P/C Ripcord (Hip or Chest), Static Line (Throw-out Assist, Spring-loaded Assist or Direct Bag).
Reserve Static Line:	Standard RSL w/attachment to Left Riser and Reserve Cable.
Main Risers/Trim Tabs:	Type 7 Mil-W-4088 w/Front Riser Trim Tabs.
Main Toggles:	HAHO Toggles
Harness:	Adj. Main Lift Webbing, Laterals and Belly-band; Type 7 Mil-W-4088
Leg Strap Hardware:	B-12 Snaps or Thread Thru. (Mil-SPEC)
Chest Strap Hardware:	B-12 Snaps or Thread Thru. (Mil-SPEC)
Container Material:	1000 Denier Cordura
Container Colors:	Black, Smoke, Desert Camouflage, Woodland Camouflage, Olive Drab Green, Multi-Camouflage and others upon request.



### Options:

- Side Panels for Integrated Systems (Oxygen, Radios, etc.)
- Adjustable and Removable HAHO Seat Sling.
- **“Reserve Boost”** RSL

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## TPDS Heavy Load Tactical, HLT TPDS-TANDEM

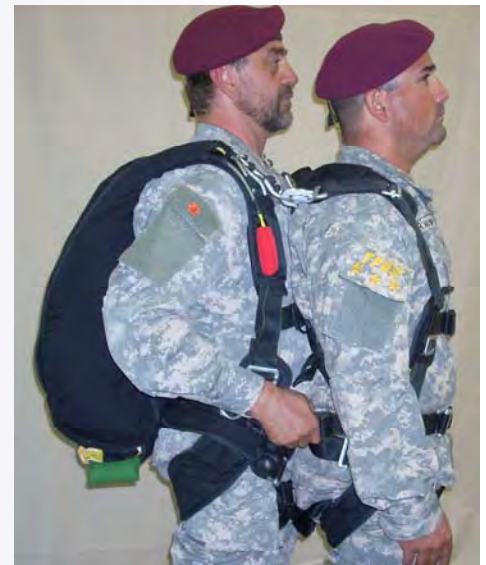
The **TPDS Heavy Load Tactical (HLT) / TANDEM** is designed for HALO-HAHO operations with single or dual operators carrying full combat equipment and bundles. The system can be set-up for Freefall Drogue or Static Line Drogue.

### TPDS-HLT / TANDEM Specs:

Maximum Suspended Weight:	550 lbs. (249.5 kg.)
Maximum Deployment Altitude:	35,000 ft. (10668 m.)
Minimum Deployment Altitude:	Main Canopy 4500 ft. (1400 m.) Reserve Canopy 2000 ft. (600 m.)
Equipment Configurations:	4 Attachment Points for Passenger.
Main Canopy:	TPDS-HLT-M (300 - 400)
Reserve Canopy:	TPDS-HLT-R (300 - 420)
Harness/Container Weight:	40-60 lbs. (18-28 kg.) Including Canopies and AAD (Varies by Canopies)
Reserve AAD Set-up:	AAD unit on Reserve Top Closing Flap.
Main Deployment Type:	Drogue (Freefall or Static Lined)
Reserve Static Line:	Standard RSL w/attachment to Left Riser and Reserve Cable.
Main Risers:	Type 7 Mil-W-4088
Reserve Risers:	Type 13 Mil-W-4088
Harness:	Adj. Main Lift Webbing, Laterals & Chest Strap; Type 7 Mil-W-4088
Leg Strap Hardware:	B-12 Snaps or Thread Thru. (Mil-SPEC)
Chest Strap Hardware:	B-12 Snaps or Thread Thru. (Mil-SPEC)
Container Material:	1000 Denier Cordura
Container Colors:	Black, Smoke, Desert Camouflage, Woodland Camouflage, Olive Drab Green, Multi-Camouflage and others upon request.

### TPDS- HLT / TANDEM Options:

- Side Panels for Integrated Systems (O2, Radios, etc.)
- Adjustable and Removable HAHO Seat Sling.
- Pillow or Loop Main Canopy Release Handle
- Stainless Steel, Pillow or Loop Reserve Handle
- **“Reserve Boost”** RSL
- Passenger Access to Drogue Release Handle
- Passenger Harness Equipment Attachment Points



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## TPDS Heavy Load Tactical, HLT TPDS-TANDEM cond.

### Deployment Options-

Single Operator,  
and/ or with TPDS-RRH-800 Cargo Bag or the TPDS-860-200 Personal Cargo Drop Harness.

- BOC Drogue
- BOC Throw-out Pilot Chute
- Spring-loaded Pilot Chute (Hip or Chest)
- Drogue Static-Line Assist
- Throw-out Pilot Chute Static-Line Assist
- Spring-loaded Pilot Chute Static-Line Assist

Dual Operators,  
and/ or with TPDS-RRH-800 Cargo Bag or the TPDS-860-200 Personal Cargo Drop Harness.

- BOC Drogue
- Drogue Static-Line Assist



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## TPDS Military Student System, TPDS-MSS

The **TPDS Military Student System** is built to suit the needs of the student in military training. It has several deployment options such as Throw-out P/C or Spring-loaded P/C with Hip, Chest or BOC Handle Placement, also available with AFF Left Side Jumpmaster Handle.

### TPDS-MSS Specs:

Maximum Suspended Weight:	300 lbs. (136 kg.)
Maximum Deployment Altitude:	15,000 ft. (4500 m.)
Minimum Deployment Altitude:	Main Canopy 4500 ft. (1400 m.) Reserve Canopy 2000 ft. (600 m.)
Main Canopy:	TPDS-170 through TPDS-300
Reserve Canopy:	TPDS-170 through TPDS-300
Harness/Container Weight:	25 lbs. (11.5 kg.) Including Canopies and AAD (Varies by Canopies)
Reserve AAD Set-up Locations:	Reserve Flap or Back Pad.
Main Deployment Type:	Throw-out P/C, Spring-loaded P/C Ripcord, Static Line Direct Bag.
Reserve Static Line:	Standard RSL w/attachment to Left Riser and Reserve Cable.
Main Risers:	Type 8 Mini Ring or Large Ring (Mil-W-4088)
Main Toggles:	Velcro-less Toggles or Velcro Toggles
Harness:	Type 7 Adj. MLW and Adj. Laterals, (Mil-W-4088)
Hardware:	Standard Mil-SPEC
Leg Strap Hardware:	B-12 Snaps or Thread Thru.
Container Material:	1000 Denier Cordura
Container Colors:	Black, Smoke, Desert Camouflage, Woodland Camouflage, Olive Drab Green, and others upon request.



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## TPDS Military Instructor System, TPDS - MIS

The **TPDS Military Instructor System** is specifically designed for the Instructor who needs to be able to move around freely in the airplane and in the air. It is perfect for Military Instructors, Coaches and Competitors.

### TPDS-MIS Specs:

Maximum Suspended Weight:	300 lbs. (136 kg.) Depending on Canopies
Maximum Deployment Altitude:	15,000 ft. (4500 m.)
Minimum Deployment Altitude:	Main Canopy 4500 ft.(1400 m.) Reserve Canopy 2000 ft. (600 m.)
Main Canopy:	TPDS-120 through TPDS-280
Reserve Canopy:	TPDS-120 through TPDS-280
Harness/Container Weight:	25 lbs. (11.5 kg.) Including Canopies and AAD (Varies by Canopies)
Reserve AAD Set-up Locations:	Reserve Flap or Back Pad.
Main Deployment Type:	Throw-out P/C, Spring-loaded P/C Ripcord.
Reserve Static Line:	Standard RSL w/attachment to Left Riser and Reserve Cable.
Main Risers:	Type 17 Mini Ring, Type 8 Mini Ring or Large Ring
Main Toggles:	Velcro-less Toggles.
Harness:	Standard or Articulated Type 7 Mil-W-4088
Hardware:	Standard or Stainless Steel
Leg Strap Hardware:	B-12 Snaps or Thread Thru.
Container Material:	1000 Denier Cordura
Container Colors:	Black, Smoke, Desert Camouflage, Woodland Camouflage, Olive Drab Green, and others upon request.



### TPDS-MIS Options:

- Side Panels for Integrated Systems (Oxygen, Radios, etc.)
- Adjustable and Removable HAHO Seat Sling.
- Custom Embroidery
- Soft Reserve Handle
- Loop Style Cutaway Handle
- Cut-in Laterals
- Front Dive Loops on Main Risers
- Radio Pocket on Ring Covers
- Collapsible Main Pilot Chute
- 1" Type 17 Chest Strap

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### TPDS G-12, G-11 & G-10 Cargo Canopies

*The Next Generation of Cargo Canopies!*

Equal Capacity in a Smaller,  
Lighter, More Compact System

#### Design Specifications:

	<u>TPDS-G-12</u>	<u>Mil G-12</u>	<u>TPDS-G-11</u>	<u>Mil G-11</u>	<u>TPDS-G-10</u>
<b>Diameter Size</b>	64 feet	64 feet	98 feet	105 feet	42 feet
<b>Number of Gores</b>	48	48	72	120	28
<b>Packed Weight</b>	45 lbs.	125 lbs.	90 lbs.	250 lbs.	30 lbs.
<b>Packed Volume</b>	2430 cu. in.	6240 cu. in.	3800 cu. in.	20,563 cu. in.	1200 cu. in.
<b>Canopy Shape</b>	Parabolic	Flat Circular	Parabolic	Flat Circular	Parabolic

#### Performance Specifications:

	<u>TPDS-G-12</u>	<u>Mil G-12</u>	<u>TPDS-G-11</u>	<u>Mil G-11</u>	<u>TPDS-G-10</u>
<b>Carrying Capacity</b>	2500 lbs.	2200 lbs.	5000 lbs.	5000 lbs.	800 lbs.
<b>Rate of Descent</b>	21 fps. w/2000 lbs.	28 fps.	21 fps. w/5000 lbs.	22 fps.	20 fps. w/500 lbs.
<b>Opening Time</b>	6 sec.	5 sec.	6 sec.	11 sec.	5 sec.

Note: Further specifications provided upon request.

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## TPDS High Altitude Low Opening Cargo Parachute, TPDS-HALO-CARGO

The **Tactical Parachute Delivery Systems High Altitude, Low Opening (HALO) Cargo Delivery System** is another incredible product TPDS has designed. The TPDS HALO Cargo System is a safe and economically friendly option to re-supply troops, or support for a tactical reconnaissance mission. The system is reusable, durable, and is the most user-friendly within its category across manufacturers.

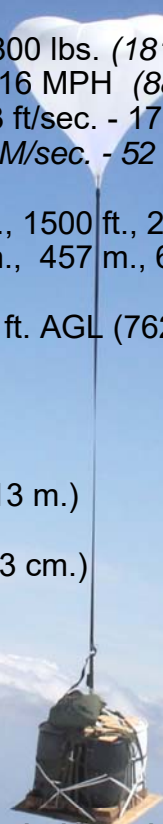
The HALO Cargo System has numerous features that make it a superb addition to any arsenal. This system is available in a G-10 and G-12 configuration, and in different deployment altitudes. Additionally, the HALO Cargo System has the capabilities to easily attach to the standard TPDS-G-10 or G-12 system. This design allows you to change the mission mid-flight and use the system as a standard cargo deployment at low altitude. This system is the safest, most user-friendly, and cost effective way to deliver cargo to troops in a hostile environment.

### TPDS-HALO-CARGO Specs:

#### Performance Data

#### TPDS-HALO-CARGO-G-10

#### TPDS-HALO-CARGO-G-12



Suspended Weight Range:	400-800 lbs. (181 - 363 kg.)	1200-2000 lbs. (544 -907 kg.)
Freefall Speed Range:	101-116 MPH (88-101 kts.) 148.13 ft/sec. - 170.13 ft/sec. (45 M/sec. - 52 M/sec.)	112-134 MPH (97-117 kts.) 164.27 ft/sec. - 196.53 ft/sec. (34 M/sec. - 41 M/sec.)
Deployment Altitude:	1000 ft., 1500 ft., 2000 ft. AGL 305 m., 457 m., 610 m. AGL	1000 ft., 1500 ft., 2000 ft. AGL 305 m., 457 m., 610 m. AGL
Maximum Exit Altitude:	25,000 ft. AGL (7620 m.)	25,000 ft. AGL (7620 m.)

#### Physical Specifications

Canopy Size:	42 ft. (13 m.)	64 ft. (19.5 m.)
Drogue Size:	80" (203 cm.)	120" (305 cm.)

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### TPDS Hang-Up Rescue Parachute, TPDS- H.U.R.P.

The **TPDS Hang-Up Rescue Parachute (H.U.R.P.)** provides the capability to safely rescue a soldier with individual equipment from an in-flight “in-tow” situation while still airborne. The **H.U.R.P.** is manufactured in the USA in a facility that is Federal Aviation Administration (**FAA**) certified for manufacturing parachute equipment. It is a complete assembly of military equipment manufactured to the highest standards using the best **Military Specification** materials available in today’s market. These high standards of materials and workmanship will provide years of quality service.



**BACK VIEW**



**FRONT VIEW**

The TPDS **H.U.R.P.** contains a TPDS 42' diameter parabolic non-steerable parachute. It is connected to four (4) MIL-W-4088 Type VII Risers with four (4) Separable Connector Links (MS-2202-1). It is Static-line activated and connected to the “in-tow” jumper with a heavy duty carabineer.

The TPDS **H.U.R.P.** comes complete with a Storage Bag and Razor Knife for quickly severing the “in-tow” static line.



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### TPDS Rapid Release Harness- 800, TPDS-RRH-800

The **TPDS-RRH-800** is designed for HALO-HAHO operations with a single or dual operators carrying full combat equipment and bundles. The system can be set-up for multiple configurations such as: Top or Bottom Front or Bottom Back operations. It comes equipped with a Primary Release Handle to quickly separate the bag from the jumper. The TPDS-RRH-800 is also available with a 3-Ring riser "drop-line" to facilitate separated landings between the jumper and the bag and to cutaway the bag in an emergency under canopy or on landing.

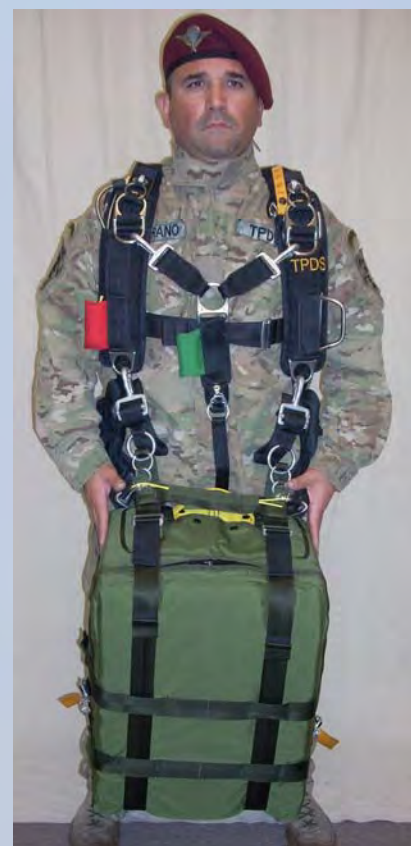
#### TPDS-RRH-800 Specs:

Maximum Carrying Weight:	250 lbs. (113 kg.)
Dimensions:	24" high x 18" wide x 12" deep / (61 cm. x 46 cm. x 30 cm.)
Harness/Container Weight:	8 lbs. (3.6 kg.)
Operation Configurations:	Front Top, Front Lower or Lower Back
Built-in Shoulder Straps:	Type 8 Mil-W-4088
Harness:	Type 8 Mil-W-4088
Hardware:	Mil-SPEC
Container Material:	1000 Denier Cordura
Container Colors:	Black, Smoke, Desert Camouflage, Woodland Camouflage, Olive Drab Green, Multi-Camouflage and others upon request.



#### TPDS-RRH-800 Options

- 3-Ring Riser Drop-Line, 1" Type 17 Mil-W-4088



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### TPDS Airborne Personal Cargo Drop Harness , TPDS - 860-200

The **TPDS Airborne Personal Cargo Drop Harness** is a versatile and durable cargo carrying apparatus that attaches to the parachute/harness system. It can be adjusted to carry a wide range of materials in free-fall or under parachute canopy easily and safely. The TPDS-860-200 can be quickly assembled to match the cargo to be carried and has a single-point release system for the drop-line. The TPDS-860-200 can be jettisoned upon landing or in an emergency with a single-point release handle.

#### TPDS-860-200 Specs:

Harness: Mil-Spec. Webbing and Hardware

Load Dimensions: 50" high x 20" wide x 20" deep  
127 cm x 51 cm x 51 cm

Maximum Weight: 400 lbs. / 181.44 kg.

Colors: Black, Silver, Olive Drab Green, Navy, and Gold



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### TPDS Oxygen Bottle Pouch, TPDS - 286

The **TPDS-286 Oxygen Bottle Pouch** is a durable, easy to attach carrying pouch for oxygen jump bottles. It is made of 1000 Denier Cordura with Para-pack lined black foam and additional 1/4" Eath foam for added comfort.

The Quick Release Snap allows the Oxygen Bottle to be replaced without removing the pouch from the harness/container.

**Colors:** Black, Olive Drab Green, Woodland Camouflage, Desert Camouflage, Multi-Camouflage, Navy, Silver, and others upon request.



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### TPDS Oxygen Bottle Pouch, TPDS - 287

The **TPDS-287 Oxygen Bottle Pouch** is a durable, easy to attach carrying pouch for oxygen jump bottles. It is made of 1000 Denier Cordura.

The Quick Release Snap allows the Oxygen Bottle to be replaced without removing the pouch from the harness/container.

**Colors:** Black, Olive Drab Green, Woodland Camouflage, Desert Camouflage, Multi-Camouflage, Navy, Silver, and others upon request.



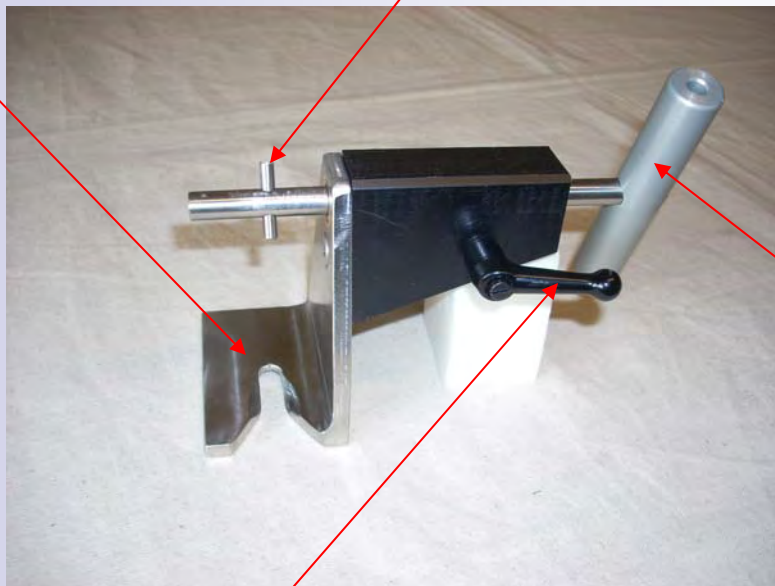
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### TPDS Advanced Mechanical Closing Device, TPDS-1000

The **TPDS Advanced Mechanical Closing Device** is a revolutionary, high quality, simple mechanical device used for assisting the closing of any reserve container. The **TPDS-1000** is manufactured in the U.S.A. using high grade materials machined precisely to parachute rigger specs. The device will remain tight which allows the parachute rigger to be “hands-free”. A release handle allows tension to be lessened to switch positions between closing flaps. A *must-have* tool in any rigger’s kit.

Closing Pull-up Cord Attachment Pin

Aluminum Base



Tension Release Handle

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### TPDS Gear Bag, TPDS- 600 A/B/C

The **TPDS Gear Bag** is a durable parachute equipment bag that is available in three (3) sizes. The **Standard** size will carry a sport parachute assembly, the **Large** size will carry the TPDS-LLT parachute assembly and the **Extra Large** size is made to carry the TPDS-HLT or any large parachute assembly such as a Tandem. There is an exterior zippered pocket on the front of the bag to carry small items. The back of the Gear Bag has a pocket to store the two (2) **shoulder straps** as well as a small carrying strap at the top of the pocket. There are also two **handles** on the side of the bag for lifting the bag.



### TPDS-600 Specs:

Material: Mil-Spec. 1000 Denier Cordura with 2" padded shoulder straps.

Dimensions:

- |                  |                                |                                  |
|------------------|--------------------------------|----------------------------------|
| A. Standard -    | 23" high x 17" wide x 8" deep  | (58.42 cm x 43.18 cm x 20.32 cm) |
| B. Large -       | 25" high x 17" wide x 10" deep | (63.50 cm x 43.18 cm x 25.40 cm) |
| C. Extra Large - | 26" high x 17" wide x 13" deep | (66.04 cm x 43.18 cm x 33.02 cm) |

Colors: Black, Olive Drab Green, Navy, Desert Camouflage, Woodland Camouflage and assorted others.

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## TPDS Gear Bag, TPDS-601

The TPDS No Frills Gear Bag is a durable parachute equipment bag made to carry the TPDS-HLT or any large parachute assembly such as a Tandem. There are two handles on the top of the bag for lifting the bag and a zipper for easy access.



### TPDS-601 Specs:

Material: Mil-Spec. 1000 Denier Cordura with 2" T-8 top handles.

Colors: Black, Olive Drab Green, Navy, Desert Camouflage, Woodland Camouflage and assorted others.

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## TPDS Demo Flag and Flight Bag, TPDS- 910

The **TPDS Demo Flag and Flight Bag** is a complete system for demonstration jumps to showcase the unit's mission and duties. It is available in several sizes starting at 500 sq. ft. through 1500 sq. ft. The Flight Bag uses a single handle to open and release the flag into the sky. Included is a 3-Ring release handle to release the flag either in flight or upon landing. This system comes with complete instructions for packing and suggestions for flying the flag.



The flag may be ordered to any country's standard or in any unit's pattern or design.

Flag material is Low Porosity F-111 with the flight bag 1000 denier Cordura designed and built for years of service.

Attachment hardware is Mil-SPEC PS -22042-1 with a Proof Load of 5000 lbs.



Back Side with Flag Release Handle



Front Side with Bag Opening Handle

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### Tactical Parachute Delivery Systems- Double Zipper Jumpsuit, TPDS-900

The **TPDS Double Zipper Jumpsuit (TPDS-900)** is designed especially for the military. It may be ordered as a **Tactical Jumpsuit** to be worn for **HAHO/HALO** jumping missions or as a **Uniform** for flight crews and ground crews. The double zipper runs from the neck to the ankle and is easily put on over any uniform and boots. The pleated back, elastic waist band and knit cuffs assure a comfortable fit while the reinforced knees and nylon cuffs and collar assure durability. The zippered military type pockets may be ordered for the shoulder, sleeves, thigh and breast. This jumpsuit is comfortable, functional and affordable.

Colors: Black, White, Gray, Woodland Camouflage, or Desert Camouflage. Others upon request.



Flat Grip



Round Grip

#### Options

- Thermal Insulated Lining
- Zippered Sleeve Pockets
- Zippered Thigh or Leg Pockets
- Zippered Breast Pocket
- Velcro for Name and Rank Tags
- Elastic Foot Stirrups
- Grippers; Outside Arms & Legs Flat or Rounded

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## TPDS Military Product Training

**TPDS** has the facilities to train all military units in the use of all **TPDS** products both in the air and on the ground. Our FAA certified Instructors and Parachute Riggers are highly qualified to train personnel from the first jump to HAHO-HALO missions.



**TPDS** is ready to train your military units in the use of all **TPDS** products including packing and the maintenance of the product. Our facilities are FAA certified and we have all of the necessary equipment to train your personnel to maintain and repair all parachute gear.



In the Air or in the Loft, **TPDS** has the knowledge to keep your units ready and able for the next mission.

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