



# TPDS Hang-Up Rescue Parachute (H.U.R.P.) BROCHURE

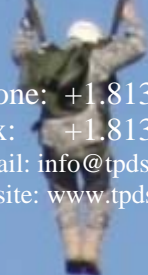
2017



**TACTICAL PARACHUTE DELIVERY SYSTEMS, Inc.**

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Chapter 1

# Product Information

## 1.1 Tactical Parachute Delivery Systems, Inc. (TPDS)

TPDS, Inc. is committed to providing you with the latest, most versatile and dependable parachuting systems available on the market today.

TPDS can provide you with a *Parachute Rescue System* designed to suit or exceed the expectations of your demanding and changing environment with each assembly built.

If your operation requires a custom solution, please feel free to contact us.

## 1.2 Hang-Up Rescue Parachute System (HURP) Specifications

### Materials:

**Deployment Bag:** 10 oz. Army Duck Fabric

**Storage Bag:** 1000 Denier Nylon Cordura (Orange)

### Webbing:

**Main Risers-**

1 23/32" (4.3 cm.) wide Type 7 Mil-W-4088

*Tensile Strength* **6000 lbs. / 2721 kg.**

**Static-line-**

3/4" Tubular Nylon, Mil-W-5625

*Tensile Strength* **2300 lbs. / 1045 kg.**

### Hardware:

**Separable Connector Links-**

MS22002-1

*Tensile Strength* **3000 lbs. / 1360 kg.**

**Static-line Snap-**

MS70120

*Tensile Strength* **1750 lbs. / 800 kg.**

**Carabineer-**

USR-71-CTL

*Tensile Strength* **9000 lbs. / 4082 kg.**

### Lines:

#525 Polyester Braid

*Tensile Strength* **525 lbs. / 238 kg.**



**Size:**

**Deployment Bag (packed) -** 10” high x 14” wide x 21” long  
25.4 cm. x 35.56 cm. x 53.34 cm.

**Weight:**

**Deployment Bag (packed) -** 25 lbs. (11.34 kg.)

**Fabric Colors:**

Orange

**Harness Colors:**

Olive Drab Green

**1.3 H.U.R.P. Capabilities and Features**

The *H.U.R.P.* is a complete assembly of military equipment manufactured to the highest standards using the best **Military Specification** materials available in today’s market.

The *H.U.R.P.* is manufactured in the United States in a facility that is Federal Aviation Administration (**FAA**) certified for manufacturing parachute equipment.

These high standards of materials and workmanship will provide years of quality service.

The *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.

## 1.4 Main Parachute Features

### Main Parachute:

**HURP- 401** - 42 ft. diameter non-steerable round

### Capabilities and Features:

#### The **H.U.R.P. Main Parachute** -

The **H.U.R.P.** Main Parachute is a parabolic canopy with netting in the vent slots to optimize rate of descent and minimize oscillation and anti-inversion netting at the skirt.

The Main canopy has 28 gores and is block constructed using low porosity, high UV resistant rip-stop nylon fabric. Very little air passes through the material, resulting in slower-than-normal rate of descent and consequently softer landings, especially welcomed at higher field elevations or with heavy payloads.

It has 28 lines made of 525 lbs. Polyester Braid Cord.

The **H.U.R.P.** Main Parachute provides the capability to safely rescue a soldier with individual equipment from an in-flight “in-tow” situation while still airborne.

This system features a static line deployment of the Main Parachute.

It has a maximum weight limit of 450 lbs. (204 kg.) at 150 kts.

The **H.U.R.P.** Main Parachute is limited to use in winds not exceeding 35 knots at altitude and 16 knots at the surface.



**TPDS- H.U.R.P. Front View**

- Static Line Cover Flaps
- Static Line
- Static Line Stows
- Main Line Cover Flap
- Static Line Snap
- Static Line Snap Pocket
- Main Risers



**TPDS- H.U.R.P. Back View**

- Main Riser Stow Pocket
- Main Riser Stow Bands
- Main Risers
- Main Line Cover Flap
- Static Line Carabineer
- Carabineer Stow Band



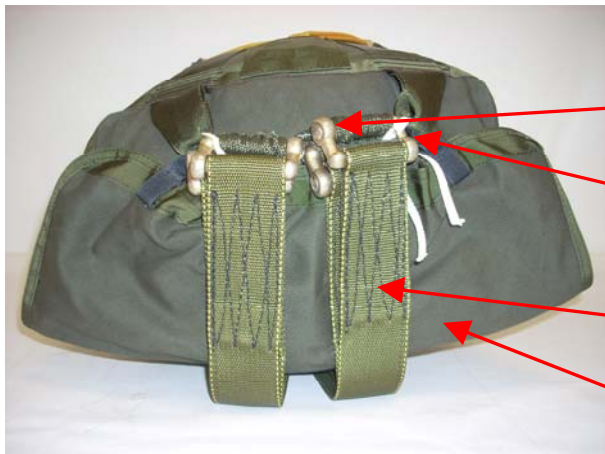
**TPDS- H.U.R.P.**      **Line Stows**

- Main Line Cover Flap
- Cotton Stow Bands
- Main Parachute Lines- Dacron 525#
- Deployment Bag to Riser Connectors
- Main Riser Connector Links
- Main Risers T-7



**TPDS- H.U.R.P.**      **Top View**

- Static Line Stow Covers
- Static Line
- Static Line to Deployment Bag Connection
- Deployment Bag



**TPDS- H.U.R.P.**      **Bottom View**

- Main Risers Connector Links
- 80# Break-tape Riser to D-Bag Connection
- Main Risers T-7
- Main Line Cover Flap