



EGRESS SYSTEM

SUPPLEMENTAL TECHNICAL, FITTING & USER INFORMATION

When the normal way out is no longer an option. The Parachute Laboratories Egress System is a purpose-built emergency parachute system intended to provide a supplemental, last-resort escape capability for appropriately trained and equipped users when conventional evacuation routes from elevated structures are no longer achievable.

IMPORTANT SAFETY NOTICE

This system is supplemental emergency equipment. It does not replace required exits, stairwells, fire-protection systems, emergency action plans, or instructions from fire and emergency-response authorities. Site-specific deployment procedures, anchor requirements, minimum operating parameters, and exit techniques must be established for the installation and taught through approved training.

System Configuration

Standard Feature	Configuration / Notes
Harness / Container	Current TSO'd Racer harness design; secure, body-conforming and adjustable for properly fitted users.
Standard Canopy	300 sq. ft. BaseX, 7-cell ram-air canopy; designed for rapid, on-heading openings at sub-terminal speeds.
Alternate Canopies	Round parachute configurations, other square / ram-air canopies, mission-specific sizes, or customer-specific configurations may be available. Additional fees may apply.
Customer Applications	Individual users, corporate facilities, government organizations, specialized response teams, towers, industrial facilities, and specialized contingency-planning applications.

Deployment Configurations

Option 1 - Fixed Static-Line Deployment

For appropriately engineered installations, the system may be configured for automatic static-line deployment. The static line is connected to a designated, engineered hard point at the approved escape location. When the trained user exits, the static-line system initiates parachute deployment automatically. This configuration minimizes actions required after leaving the structure and is suited to installations with a consistent, approved escape point and attachment location.

Option 2 - Trained User-Initiated Deployment

The system may also be configured for user-initiated deployment. With proper training, the user dons the equipment, exits from the designated escape point, and initiates deployment only after reaching the position and clearance specified by the approved training and system procedures. This option offers greater flexibility but requires additional user training and familiarity with the equipment.

Additional Deployment Arrangements

- Fixed-point static-line configurations
- User-initiated deployment configurations
- Specialized deployment arrangements for trained response personnel
- Customer-specific installations developed around the facility and operating requirement

Deployment method is not a one-size-fits-all decision. Building geometry, available altitude, approved escape location, user training level, canopy configuration, anchor-point engineering, surrounding hazards, user weight, landing environment, and applicable technical limitations must be considered when establishing a configuration.



Proper Harness Fitting

It is important that the parachute system be properly fitted before use.

1. Begin by unsnapping the hardware at the chest and leg straps. Completely loosen the chest strap, both leg straps, and the main lift web - the vertical straps located at the front of the harness.
2. Slip your arms through the main lift web as you would when putting on a jacket.
3. Reach between your legs and pick up one leg strap, straightening the webbing as necessary. Insert the V-ring into the mouth of the snap. Repeat for the opposite leg strap. The hardware should "clink" when the snap is properly closed.
4. Lean forward and pull down on the free ends of both leg straps. Tighten the straps so they are snug but comfortable. Fold and stow the excess webbing in the elastic keepers.
5. Stand upright and remove the slack from the main lift web by pulling down on the adjustment ends located just above the leg pads. Tighten until the harness fits snugly over the shoulders.
6. Snap the chest strap and adjust it until secure. Fold and stow the excess webbing in the elastic keeper.

Your harness is now properly adjusted for you.

Storage of an Individually Adjusted System

- Store the parachute system with the leg snaps connected.
- Store the chest strap unsnapped.
- Maintain the user's harness adjustments whenever possible so the system can be donned quickly during an emergency.

Donning an Already-Adjusted System

1. Slip your arms through the main lift web - the vertical straps in front - as you would when putting on a jacket.
2. Snap the chest strap securely.
3. Unsnap one leg snap while maintaining control of the end of the leg strap. Reach around and between your legs, passing the snap from your rearward hand to the hand in front of your body. Insert the V-ring into the mouth of the snap and verify that it is securely engaged.
4. Repeat the procedure for the opposite leg strap.
5. Verify that both leg straps, the chest strap, and the main lift web are properly positioned and that all hardware is fully engaged before proceeding.

Training Is Part of the System

Emergency equipment is only effective when the user understands how to wear and operate it. Parachute Laboratories can work with organizations to establish system configuration, fitting, familiarization, equipment inspection, deployment-method training, and user-training requirements appropriate to the application.

- For organizational or facility installations, systems should be individually fitted where practical.
- Equipment should be incorporated into the organization's overall emergency preparedness and training program.
- Users must be trained in the specific system, installation, deployment method, and approved escape location before attempting an emergency parachute exit.
- PLABS can assist with system configuration, canopy options, deployment architecture, organizational requirements, training, volume pricing, and current lead times.

TRAINING REQUIREMENT

No user should attempt an emergency parachute exit without prior training in the specific system, installation, deployment method, and approved escape location. When conventional evacuation is available, use established evacuation routes and follow emergency-authority instructions.

Contact Parachute Laboratories Inc.

sales@plabsinc.com | 386-734-5867 | www.plabsinc.com