Our carrying bags are available to protect and transport your Portable Fall-Arrest System. Constructed from heavy duty materials with rugged zippers, padded side panels and adjustable carrying straps. These bags will protect your investment for many years. Available in black.

<table>
<thead>
<tr>
<th>Price</th>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>17565</td>
<td>Portable Fall-Arrest Anchor Post Bag</td>
</tr>
<tr>
<td></td>
<td>17566</td>
<td>14” Extension Post Bag</td>
</tr>
<tr>
<td></td>
<td>17567</td>
<td>Davit Arm w/ Mounted Winch Bag</td>
</tr>
<tr>
<td></td>
<td>17569</td>
<td>Davit Arm w/ Mounted Winch Bag</td>
</tr>
<tr>
<td></td>
<td>17565</td>
<td>PFAP Pro Anchor Style Bag</td>
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<tr>
<td></td>
<td>17567</td>
<td>Winch &amp; Accessories Bag</td>
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<tr>
<td></td>
<td>17568</td>
<td>14” Portable Fall Arrest Post Bag</td>
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<tr>
<td></td>
<td>17567</td>
<td>Uni-Anchor I-Beam Base Bag</td>
</tr>
<tr>
<td></td>
<td>17566</td>
<td>I-Beam Clamp Portable Anchor Bag</td>
</tr>
<tr>
<td></td>
<td>17566</td>
<td>I-Beam Clamp Portable Anchor w/ Tie-Off Bag</td>
</tr>
</tbody>
</table>
You are reading the brochure highlighted below:

Look for these additional UCL Accessory brochures marked * to accompany this Hoist System catalogue:

1) Hoists, Davits, Bases & Accessories Part #: 19400
2) Vehicle Hitch Mount ... Part #: 19402
3) Counterweight Systems ... Part #: 19375
4) Winches, Brackets & SRLs ... Part #: 19396 *
5) Tripods ... Part #: 19418
6) Pole Hoist Systems Part #: 19417
7) Side Entry/Tank Pod Systems Part #: 19418
8) Portable Fall Arrest Systems ... Part #: 17318
9a) Engineered Systems Part #: 17646
9b) Portable Tanker Access Ladder Systems Part #: 15139
9c) Sky Anchor ... Part #: 19440
10a) Basic Hoist Part #: 15593
10b) Advanced Basic Hoist ... Part #: 17925
11a) Fold Up System ... Part #: 19420
11b) Mast Assembly ... Part #: 1523861
12) Rescue Units ... Part #: 19420
13) Specialty Items Part #: 19444

Unique Concepts has specialized in the design and manufacture of confined space, fall protection & rescue systems for over 18 years. Our unique experience in this field allows us to offer products and services that can be copied, but never equaled.

1. ISO 9001:2000 Registered. Unique Concepts is constantly improving our design and manufacturing process to provide unparalleled service to our customers.
2. Quality Standards. Unlike others, Unique Concepts keeps as much of its design and manufacture as possible under our own control to ensure the highest quality of manufacture and parts.
3. Certified Welding Inspected by Third Party Experts. Our welding is certified by the Canadian Welding Bureau (CWB) to Canadian Standards Associations (CSA) standards.
4. Experienced Design. Our customers benefit from the wealth of experience our long serving managerial and design staff brings to bear on any question. We hold 18 patents, and more are coming.
5. Third Party Validation of Systems. We physically test our products at our facility. Our specifications sheets are certified by Delta-T Engineering, who witness & validate our tests. BSI, from the United Kingdom, provides our third party CE testing and reporting services.
6. Modular Approach to Systems. One system does not work for all applications! Our systems are engineered to be modular. One system can be easily adapted to many different situations. The result: less costly and more effective solutions.
7. Custom Design and Manufacture. Not in our catalogues? Let’s talk. You may be surprised by what we can do for you. We amaze our customers with solutions that work for their specific applications. Chances are we have already designed a product that can be modified or adapted for your needs.
8. Constant Innovation. Unique Concepts is constantly looking for ways to improve existing products and develop new ones. We have constantly reinvested 5% of gross revenue into research and development. 

### UCL Portable Fall Arrest Systems & Accessories

#### Fourteen Foot Fall-Arrest Post

- **UCL Safety Systems Portable Fall-Arrest 14' Post**
  - Mounts using Uni-Anchor plates and extends up to 14' to provide a 1-man-rated fall-arrest anchor point.
  - A carrying bag is available for this unit (part # 17568).
  - Please refer to page 8 for details.

#### Available System Heights

<table>
<thead>
<tr>
<th>Position</th>
<th>Height (inches)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>82</td>
<td>2083</td>
</tr>
<tr>
<td>2</td>
<td>98</td>
<td>2489</td>
</tr>
<tr>
<td>3</td>
<td>116</td>
<td>2945</td>
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<td>4</td>
<td>116</td>
<td>2945</td>
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<td>3353</td>
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<td>3404</td>
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<td>7</td>
<td>152</td>
<td>3861</td>
</tr>
<tr>
<td>8</td>
<td>168</td>
<td>4267</td>
</tr>
</tbody>
</table>

- **Price**: 16996
- **Part #**: 16996
- **Description**: Fourteen Foot Fall-Arrest Post Uni-Anchor Style

#### Equipment Davit

- **14216**
  - **UCL Safety Systems Equipment Davit**
  - Is a lightweight, 1 piece aluminum structure designed for raising of safety or other equipment to an elevated work area.
  - Requires the installation of a Weld-On Pocket (part # 17073).
  - Wall Mount (part # 13919) or Floor Mount (part # 14202).
  - The Equipment Davit may also be used with a ladder hanger (part # 14202) and ladder sections to gain safe access to the work area.

- **Price**: 16996
- **Part #**: 16996
- **Description**: Fourteen Foot Fall-Arrest Post Uni-Anchor Style

- **Weld On Pocket**
  - **Price**: 17073
  - **Part #**: 17073
  - **Description**: Weld-on Equipment Davit Pocket, First-up Ladder Applications

- **Wall Mount**
  - **Price**: 13919
  - **Part #**: 13919
  - **Description**: Wall Mount, Bolt On

- **Ladder Hanger**
  - **Price**: 14202
  - **Part #**: 14202
  - **Description**: Ladder Hanger (Not for first-up ladder applications)
UCL Portable Fall Arrest Systems & Accessories

Features

Safe Working Area: The UCL Advanced Portable Fall Arrest System offers a six foot (1829 mm) radius or twelve foot diameter (3658 mm) Safe Working Area. This means that a maximum of three persons can work within six feet of the post within the design parameters set forth by UCL.

Design Criteria: UCL engineers have derived a worst case scenario of two people falling simultaneously when the structure is already supporting a previously fallen third person (who may weigh up to 300 lbs). All people are equipped with a shock absorber of 900 lbs Maximum Arresting Force (M.A.F.). Applying an industry accepted 2:1 design factor to this worst case loading of 2100 lbs (9.34 kN) or broken down ((900 lbs + 900 lbs + 300 lbs) x 2), we arrive at 4200 lbs (18.7 kN) as a proof load for the structure. This design factor is laid out in the OSHA regulations for engineered systems.

Compare Design Criteria: THIS IS IMPORTANT! The angle at which a load is applied greatly affects the load the structure can support. The further away from the post that you apply the force, the stronger the post has to be to provide the stated proof load. An anchor post with a 4200 lbs proof load that is tested from six feet away is much STRONGER and SAFER than one tested from, for example, two feet away. In fact, the maximum safe working area of a fall protection anchor post is normally defined by the distance from the post (or angle) that the proof load test is done at. Since the UCL Portable Fall Arrest System Post is designed to protect 3 workers working within a six foot radius of the post, the worst case proof load test was applied six feet away from the centerline of the post.

Cost Benefit: The larger the safe working area of an anchor post is the fewer anchor posts are needed to protect the working area. You need fewer posts and fewer uni-anchor base locations to cover a given area effectively. This translates into less cost to cover a given area and fewer potential obstructions for workers.

UCL Portable Fall Arrest Systems & Accessories

Uni-Anchor Plates & Lugs

Consider this when comparing various fall arrest structures:

- **Portable Uni-Anchor**
- **Pro - Anchor Plate**
- **Beam Clamps**

Comparison of Posts at Rated Distance

<table>
<thead>
<tr>
<th>24&quot; (610 mm)</th>
<th>48&quot; (1220 mm)</th>
<th>72&quot; (1829 mm)</th>
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<tbody>
<tr>
<td>UCL PFAS Post Product</td>
<td>8344 lbs (37.1 kN)</td>
<td>5081 lbs (22.6 kN)</td>
</tr>
<tr>
<td>Similar PFAS Post Products</td>
<td>4200 lbs (18.7 kN)</td>
<td>2564 lbs (11.4 kN)</td>
</tr>
</tbody>
</table>

For use in general paint applications.

- **Sand Blasted Steel Uni-Anchor Plates:**
  - **Part #:** 17412 Plate with Tie-off Anchor
  - **Part #:** 17413 Plate for Inclined Surfaces with Tie-Off Anchor
  - **Part #:** 17414 Plate for Inclined Surfaces

For use in closed environments without chemical or moisture exposure.

- **Metallic plates with stainless steel or primer finish:**
  - **Part #:** 17423 Stainless Steel Uni-Anchor Plates, Sandblasted
  - **Part #:** 17424 Plate for Inclines Surfaces with Tie-Off Anchor
  - **Part #:** 17425 Plate for Inclined Surfaces

**Uni-Anchor Lugs:** To weld the lugs directly to the structure.

- **Part #:** 17417 Bare Steel Lugs, One with Tie-Off Anchor
- **Part #:** 17418 Bare Steel Lugs with Bushings, One with Tie-Off Anchor
- **Part #:** 17421 Stainless Steel Lugs, One with Tie-Off Anchor
- **Part #:** 17422 Stainless Steel Lugs, Pan

**Uni-Anchor Plates:**

- **Part #:** 17415 Standard Plate
- **Part #:** 17416 Bare Steel Lugs, Pair
- **Part #:** 17417 Bare Steel Lugs with Bushings, Pair
- **Part #:** 17420 Stainless Steel Lugs, Pan

**Portable Fall Arrest System** offers a six foot (1829 mm) radius or twelve foot diameter (3658 mm) Safe Working Area. This means that a maximum of three persons can work within six feet of the post within the design parameters set forth by UCL.

**Uni-Anchor Plates & Lugs**

- **Part #:** 17345 Standard Plate
- **Part #:** 17346 Plate for Inclined Surfaces with Tie-Off Anchor
- **Part #:** 17347 Plate for Inclines Surfaces

**Choice:**

- **Part #:** 16777 Standard Plate
- **Part #:** 17345 Standard Plate
- **Part #:** 17416 Bare Steel Lugs, Pair
- **Part #:** 17420 Stainless Steel Lugs, Pan

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  - **Part #:** 17425 Plate for Inclined Surfaces

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- **Part #:** 17417 Bare Steel Lugs, One with Tie-Off Anchor
- **Part #:** 17418 Bare Steel Lugs with Bushings, One with Tie-Off Anchor
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- **Part #:** 17422 Stainless Steel Lugs, Pan

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**Choice:**

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- **Part #:** 17345 Standard Plate
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**UCL Portable Fall Arrest Systems & Accessories**

**Mast Assembly**

16691 Portable Fall-Arrest System Anchor Post
- Increased working height and greater permitted lifeline angle more than double the safe working area compared to previous models.
- Provides 3 independent swivel tie-off points for fall-arrest anchorage.
- Three stage/ four position telescoping design and aluminum construction for easy transportation and setup.
- Leveling screws allow the system to be plumbed to vertical for proper working stability on inclines up to 15º.
- Horizontal Lifeline (HLL) capabilities using the HLL Anchor Ring (See Page 11 of Operator’s Manual, Part # 16691 for more details).
- Collapses into one single piece weighting only 38 lbs (17.5 kg) and fits into a single carrying bag.
- Padded carrying bags are available for transport and storage of components.

**Price:**
- **Part #** 16691 Portable Fall-Arrest System Anchor Post Uni-Anchor Style
- **Description** Carrying Bag, Black

**Tie-Off Anchor Components**
- A - Swivel Tie-Off Ring (3)
- B - Swivel Davit Anchor
- C - Horizontal Lifeline (HLL) Anchor Ring

**UCL Portable Fall Arrest Systems & Accessories**

**Options**

**16692 14" Extension Post**
- Use with Portable Fall-Arrest System Anchor Post (Part # 16691).
- Allows for tie-off of 1 worker at an increased height of 68.50".
- Weighs only 5 lbs (2.2 kg).

**Price:**
- **Part #** 16692 14" Extension Post
- **Description** Carrying Bag, Black

**With Optional 14" Extension**

**Anchor post shown with optional 14" Extension (Part #: 16692)**

**Max 36.25" * (921 mm)**
**Min 71.25" * (1810 mm)**

**Portable Fall-Arrest System Anchor Post Extension**
- Use with Portable Fall-Arrest System Anchor Post (Part # 16691) and related accessories.
- Quick-attach design assembles easily to address material handling or rescue needs.
- Lightweight aluminum construction for easy transportation and setup.

**Price:**
- **Part #** 16693 Davit Arm
- **Part #** 10222 Flat Quick Mount
- **Part #** 17429 Basic Winch (Cable Sold Separately)

**See Winches, SRL’s & Brackets brochure (Part #: 19398) for full product line.**

*Please see specification sheets for complete dimensions of this system*

*B: Swivel Tie-Off Ring (3)*

*C: Swivel Davit Anchor*

*Please see specification sheets for complete dimensions of this system*

**Fully Extended 4th** Position

**Partially Extended 2nd** and 3rd (shown) Positions

**Fully Collapsed 1st Position**

**A maximum of 3 workers may be anchored to the Portable Fall-Arrest System at any given time with any UCL approved accessories. Refer to UCL specification sheets for proper use and installations.**

**Please see specification sheets for complete dimensions of this system**

**Please see specification sheets for complete dimensions of this system**

**Note:** Rescue Davit Arm works in the 2nd and 4th positions only.

*Please see specification sheets for complete dimensions of this system*

**Max 34.25" * (870 mm)**

**Min 60.00" * (1524 mm)**

**Max 36.25" * (921 mm)**