

Hands-On

Column/Pole Climbing Rescue



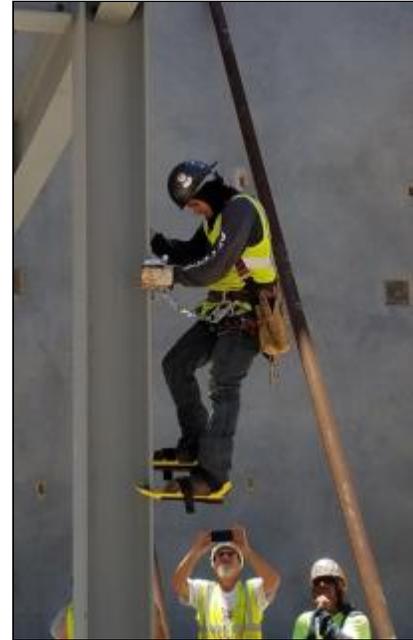
Course Description

This extensive Hands-On Column/Pole Climbing Rescue training is applicable to those in the industry that climb metal columns such as vertical I-beams and poles as seen in the utility field. This course is geared to the industry professional, safety equipment needed and products available to use in the case of a rescue.

All Attendees will understand all the parameters and be tested for successfully climbing the addressed applications to meet all OSHA required specifications and regulations.

Students Will Learn

- Rules & Regulations
- Safety Equipment
- Climbing Equipment Specific to Column/Pole
- Climbing Techniques Specific to Column/Pole
- Anchorage
- Knots-Applicable
- Descent Device(s)
- Suspension Trauma
- Rescue (Situation-Plan-Technique) Specific to Column/Pole
- Site Safety Plan



Target Audience

Anyone working in the Utility, Railroad, Telecom, Power Electric, DOT, and any other area where climbing Columns and or Poles is required.

Course Outline

1. Rules & Regulations

- a. OSHA
- b. ANSI
- c. AHJ

2. Safety Equipment

- a. Hard Hat
- b. Safety glasses
- c. Gloves
- d. Work Boots
- e. Class III Harness
- f. Snap hook/carabineer
 - i. Proper fit
 - ii. Inspection
 - iii. Maintenance/cleaning
 - iv. Replacement
 - v. Proper use

3. Climbing equipment specific to column/pole

- a. Column climber
 - i. snow shoes for climbing I-beam
 - ii. Slot in shoe for beam contact
- b. Column claw
 - i. Anchor for fall arrest
 - ii. Travels vertical with the climber\
 - iii. Arrest fall within 2
- c. Cyclic fall restraint
- d. High step
 - i. Skate like

- ii. Fall restraint with feet
 - iii. Fall arrest with chest anchor
- e. First Man Up
 - i. Makes anchor attachment from lower level
 - ii. Adjustable size
 - iii. Portable, can be used from any height

4. Anchorage

- a. What are you attaching to?
 - i. Photo
 - ii. Video
- b. Proper attachment
- c. Strength/rating of anchor
- d. Strength/rating of anchor device

5. Climbing Techniques

- a. Fall restraint
 - i. Cyclic
 - ii. Grillon lanyard
- b. Fall arrest
 - i. First man up kit
 - ii. Pre-installed anchor point/system

6. Knots-applicable to this topic

- a. Figure 8 on bite
 - i. Termination knot
 - ii. Can be tied inline
- b. Bowline
 - i. Termination knot

- c. Muenster hitch
 - i. Self-rescue
 - ii. Belay device
- d. Prusik
 - i. Progress capture
 - ii. Soft ascender
 - iii. Safety catch
- e. Butterfly
 - i. Multiple direction of pull
 - ii. Termination knot
 - iii. Tied in line

7. Descent device

- a. Petzl IDL
- b. Rollgliss no-worries double stop
- c. ISC D-5

8. Suspension trauma

- a. Definition
- b. Avoidance
- c. Mitigation

9. Rescue

- a. Situation
 - i. Trauma
 - ii. Medical
 - iii. Environmental
- b. Rescue plan

- i. Available resources
 - ii. Available equipment
 - iii. Rescue trained employees on site
 - iv. Proximity to medical care
 - v. Proximity to rescue team(s)
 - vi. Skill of rescue team
 - vii. Emergency reporting
 - c. Rescue technique
 - i. Establish a high anchor
 - ii. Climb to the victim
 - iii. Address suspension trauma
 - iv. Address immediate medical care
 - v. Secure rescue system to anchor
 - vi. Secure victim to rescue system
 - vii. Remove victim from fall arrest system
 - viii. Lower victim to the ground
 - ix. Continue with medical care
 - 1. readdress life threatening injuries
 - 2. address non-life threatening injuries
 - 3. report event to AHJ

10. Site Safety Plan

- a. Job hazard analysis
- b. Equipment check list
- c. Emergency rescue plan

Delivery Method

Hands-On Instructor-Led with numerous labs and exercises.

Equipment Requirements

(This apply's to our hands-on courses only)

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

Course Length

3 Days