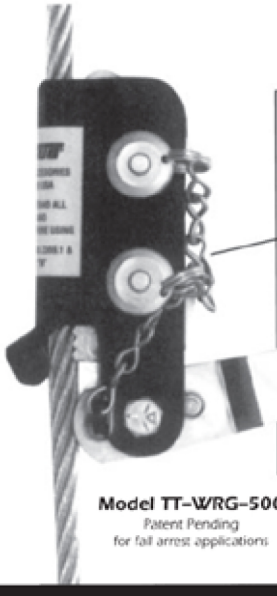
TUF-TUG PRODUCTS

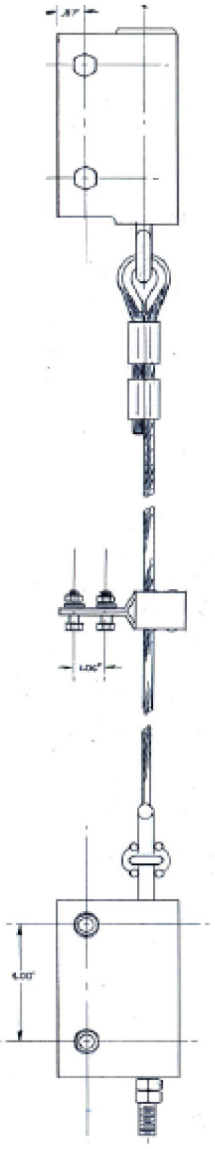
Cable Safety Climb System

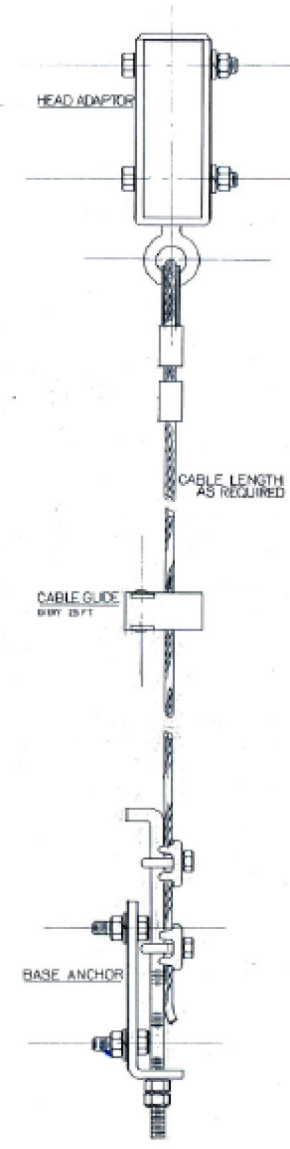
CONFORMS TO OSHA SPECIFICATIONS & ANSI RECOMMENDATIONS

- 3/8" dia. cable system, 2 man safe operation
- ANSI A14.3 ladder safety requirements
- Removable dual cam Wire Grab
- Automatic hands free climbing
- Fixed ladder & monopole custom systems available
- Proudly Made in the USA



Model TT-WRG-500
Patent Pending
for fall arrest applications





When your life depends on it... choose double strength, American made Tuf-Tug Safety Products

Made in the USA

TTCSCS TUF-TUG CABLE SAFETY CLIMB SYSTEM

WARNING! YOU MUST READ AND FULLY UNDERSTAND OR HAVE THESE INSTRUCTIONS EXPLAINED TO YOU BEFORE USING THIS EQUIPMENT. FAILURE TO OBSERVE THE LIMITATIONS, CAUTIONS AND WARNINGS IN THESE INSTRUCTIONS COULD RESULT IN SEVERE PERSONAL INJURY.

Equipment users must be fully trained in and conversant with all regulatory requirements applicable to the workplace in which the fall protection equipment is to be used. If in doubt, contact your local OSHA office for clarification. These instructions are not a substitute for a formal climbing and Fall Protection Training Program. Such training should include information about local circumstances, rules and regulations applicable to the work situation, a hands on opportunity to learn how to wear and attach equipment properly, instructions about adequate anchor points and the proper techniques for securing and connecting lanyards, drop lines or lifelines, and guidance and demonstration on how to inspect and maintain the equipment.

SYSTEM REQUIREMENTS: TUF-TUG Cable Safety Climb Systems are designed to meet the performance requirements of ANSI A14.3 & CSA Z259 for personnel fall arrest on fixed ladders. It utilizes a ϕ 3/8" (5/16" optional) solid core cable with swaged sleeves to provide top anchorage capable of maintaining a 5,000 lb. tensile load. An impact attenuator is incorporated in the anchor head to help dampen any extreme shock loads that may occur as a result of a fall. Cable stand-offs are provided with systems over 25 ft (others as required) to stabilize and maintain the cable in a good operable condition. A base anchor bracket is provided with a tension adjustment eyebolt and cable clips to hold the bottom installation in place.

NOTE: This Cable Safety Climb is intended to be used as part of a complete personal fall protection system. All components, subsystems and connectors should be compatible and meet the appropriate OSHA/ANSI requirements for the intended application. Substandard or non-approved components could compromise the reliability of the system and jeopardize the safety of the user. It is recommended that the TUF-TUG Wire Rope Grab (TTWRG-500) and Climbers/Positioning Full Body Harness (TTFBH-C/P) be used in conjunction with the Cable Safety Climb to assure maximum reliability.

KNOW YOUR WORKPLACE: Assess the workplace for hazards such as heat, flames, chemical, electrical, environmental, sharp objects, moving equipment, unstable/uneven or slippery surfaces. Identify the potential hazards and plan the installation to avoid dangerous paths, obstructions and zones. Have an emergency rescue/contingency plan in place in the event that an accident may occur.

PIROD MONOPOLE MOUNT INSTALLATION: Start at the Top and Work Your Way Down.

A) Attach Head Assm. with cable to the upper Pirod bracket with the 5/8 bolt, spacers and lock nut. Tighten the 5/8 nut to 75 ft. # torque. Allow cable to hang freely down face of ladder.
B) Climbing down the ladder, attach a cable stand-off every 25 ft. with the supplied "U" bolts and insert the cable into the slot in the stand-off. Alternate slot openings left and right to center cable as the run is installed.
C) Secure the Base Anchor Clevis to the lower Pirod bracket with the 1/2-13 bolt, lock washer and nut.
D) With the anchor eye bolt fully extended (up), thread the cable and thimble through the eye bolt and loosely attach the two cable clamps. Pull on the free end of the cable to take slack out of line and secure the nuts on the cable clamps.
E) Tension cable life line by tightening the nut in the anchor eye bolt until line is taut.
F) Check security of installation by pulling on cable to assure the life line has been tensioned. If not, repeat steps D & E until line is taught.

STANDARD MONOPOLE MOUNT INSTRUCTIONS:
A) Before the last section of the pole is set Attach Universal Head to pole adaptor bracket with ϕ 1/2 bolts and spacer sleeves. Torque to 45 foot pounds.
B) Starting from the top, climb down the pole and Attach a Cable Stand-off every 25 feet (or as required) with the supplied fasteners. Alternate slot openings left to right as the stand-offs are installed and insert cable.

C) Attach Anchor Bracket to Pole Adaptor Bracket and secure with ϕ 1/2 bolts and fasteners. Torque to 45 foot pounds.
D) With Anchor Eye Bolt fully extended up, thread cable through thimble and loosely attach Cable Clamps. Pull on free end of cable to take slack out of line and secure nuts on cable clamps. Torque to 40 foot pounds.
E) Tension Cable Life Line by tightening nut on anchor eye bolt until line is taut, approximately 150 foot pounds,
F) Check security of installation by pulling down on cable to assure that the life line has been tensioned. If not, repeat steps D and E until line is taut.

BEFORE EACH USE: Inspect installation for obvious miscues from the ground. Points of caution may include one or more of the following: excessive corrosion, loose cable, loose brackets, etc. If any of these items are encountered and cannot be remedied, climb with extreme caution. A secondary fall protection system may be warranted until the issue can be identified, classified and/or corrected. Also be aware of the current environmental conditions: ice, rain, snow, wind, heat and static electricity...etc. are more prevalent at higher elevations. Assess the potential hazards that these elements represent and plan for a safe climb accordingly.

USE: Cable Safety Climb System should be used in accordance with the TTWRG-500 TUF-TUG Wire Rope Grab instructions. A product information sheet is enclosed. A climb log of the system's use should be kept per the attached form and retained on site. If the system arrests a fall, it should be removed from service and replaced to assure maximum reliability. If this is not immediately feasible, a qualified inspector/climber can make an assessment to the damage and provide short term recommendations.

CARE: Inspect system for corrosion, wear, damage and/or defects during each climb. Record findings per the climb log. If system shows signs of any hazards, contact owners for corrective action immediately. At minimum, an annual or regular scheduled inspection should be made of the Cable Safety Climb System along with the supporting structure to assure its functionability. Depending on the environmental conditions, the system should receive a top coat of paint to prevent damage from prolonged exposure to corrosive elements.

Keep These Instructions and Records with the System at all Times in a Place that is Easily Accessible to any User.

WARRANTY: This Cable Safety Climb System is warranted against factory defects from materials and/or workmanship for a period of one year from the date of purchase when installed, operated and maintained under normal use considerations. Upon notice and/or returned product, TUF-TUG Products will replace and/or repair any item recognized to be non-compliant. This warranty does not cover damage from transit, use/abuse, environmental conditions, vandalism or any issue out of the company's control. Claims for labor, delays or damages are also not covered by this warranty. The governing law over any disputes with any order discrepancy must be filed in a court or judicial system within the State of Ohio.

WARNING: All users of fall protection equipment must be in good health, must not have a medical history of conditions that could be aggravated by a fall, must be mentally fit and must not be under the influence of alcohol or drugs. Inattention to these factors could cause falls, serious injury or death!

WARNING: Any component which has arrested a fall should be removed from service and replaced.

WARNING: Never alter or use a Safety Climb System that has been altered - the potential malfunction could result in serious injury.

WARNING: Do not attempt to repair damaged equipment. Remove from service and replace.

WARNING: Discard equipment if there is any evidence of excessive wear, damage or malfunction.

ALWAYS BE CAREFUL! Your safety is important to us. If a situation is questionable, consult a qualified professional for proper procedures or reference appropriate specifications.

OHIO HOIST & PULLER **A DIVISION OF DEUER DEVELOPMENTS, INC.**
3434 Encrete Lane, Moraine, Ohio (Phone) 937-299-1213 (Fax) 937-299-0120

TUF-TUG CABLE SAFETY CLIMB SYSTEM INFORMATION

REQUESTED BY: _____ DATE: _____
_____

INSTALLATION TYPE: LADDER ____ POLE ____ OTHER _____

SYSTEM LENGTH(S) _____ _____ _____

SITE LOCATION: _____I.D. # _____

SHIP TO: _____ CONTACT: _____
_____ PHONE _____
_____ FAX _____

P.O. # _____ P.O. DATE _____

SPECIAL INSTRUCTIONS: _____

INSTALLERS _____ CONTACT: _____
_____ PHONE _____
_____ FAX _____

INSTALLATION DATE _____ INSPECTED BY: _____

SYSTEM CHECKLIST/STD POLE MOUNT INSTALLATION

[ ] Cable Length _____ Installation ID _____
[ ] Head Bracket and Cable Assembly with Fasteners
[ ] Stand-Offs with Fasteners
(Quantity = Length - 25 divided by 25: [___])
[ ] ϕ 3/8” Cable Clamps (2) Required
[ ] ID Plate and Instructions
[ ] Base Bracket with Eye Bolt and Fasteners
Personal Protective Equipment
[ ] Wire Rope Grab(s) _____ Quantity
[ ] Carabiner (Optional)
[ ] Full Body Harness (Optional)
[ ] Plastic Carrying Case (Optional)
[ ] Other, Please Specify
_____
_____
_____

Packed By _____
Date _____

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