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SKED-EVAC Tripod Instructions

FEATURES

The Sked-Evac rescue/entry tripod is the safest and most versatile available today. It features three beefy anchors which are interconnected with the head and legs with 1/2" stainless steel bolts, which provides exceptional strength and safety. The three anchors are cut from extra heavy aircraft aluminum and feature an extra large hole that will accept two large carabiners at the same time. The three anchors provide tie-in points for connecting one or two people, as well as fall protection. The ladder feet can pivot from a horizontal position for solid surfaces to vertical with a pointed end down for stability on soft ground. A steel chain connects the feet to prevent over spreading of the legs when the tripod is loaded. The legs adjust in five inch (5") increments for leveling on uneven surfaces and/or to achieve height adjustment from 6 to 10 feet at the anchors. The adjustment positions on the legs are each lettered from A to L, providing for easy leveling. Stainless steel hitch pins are provided to allow easy and secure adjustment of each leg. They include an attached lock (Cotter) pin which is attached with a plastic coated stainless steel lanyard and are secured to the tripod with an extra heavy "O" ring to prevent accidental loss.

The Sked-Evac tripod has been tested by an independent testing company. Proof load tests were done to indicate maximum load without permanent distortion and a safe working load at each height. All tests were done from one anchor at a time. A report of these tests is provided with these instructions.

INSTRUCTIONS

- Remove the tripod from its storage/carrying case and remove the retainer strap from the foot end. Extend the legs to the desired length and lock them into position with the hitch pin. Place the cotter pin through the hole at the end of the hitch pin to prevent it from accidentally working its way out.
- Attach the haul system and fall protection to the anchors with carabiners (snap links), and be sure they are locked by turning the thumb screw to the closed position.
- Stand the tripod up and spread the legs outward to the maximum distance allowed by the tripod head. Then move each leg inward about 2 inches.
- Remove the chain from its storage bag and thread it through the holes in the sides of the feet. Connect the one end of the chain with the other end using the screw link provided, preventing the legs from spreading. It will be necessary to move inward from the end link at one end of the chain to secure the chain tightly, forming a triangle between the three legs. The chain must be used on this tripod unless the feet are properly bolted down and immovable.

- When hoisting a load using the tripod the load must be lifted vertically and centered within the triangle formed by the legs, to prevent destabilization. Check the label attached to the tripod to determine the safe working load for the height at which you have set the tripod. The letter markings on the legs correspond to the safe working loads on the label. ***Do not load the tripod with weight in excess of the safe working loads indicated on the label.***
- When the load is out of the hole be careful not to pull it too far "off center" and cause collapse of the tripod which could injure the victim or a rescuer.

SAFETY TIPS

- After the tripod is properly positioned and before placing a live load on it, check to be sure the pins are securely locked off with the cotter pins through the end holes, the legs are spread as far as recommended above for stability, and that the tripod is leveled properly.
- Be sure all carabiners are locked.
- When using pulley type haul systems, be sure to pull downward on the haul rope. Do not pull horizontally on the haul line unless the tripod is tied off in the opposite direction to prevent tipping.
- When using a winch attached to the tripod leg, or any other haul system, be sure to constantly observe the load to prevent it from catching on an obstruction, which could cause injury to a patient or damage to the load.
- When using at the top of a silo or tank, be sure the feet are secured to the tank and the tripod is tied off to prevent collapse of the system when in use.

STOWING THE TRIPOD

- Remove the chain from the feet of the tripod. Carefully lay the tripod on the ground/floor. Inspect it for damage and clean it if necessary. Release the hitch pins and shorten the legs to minimum length (Hole L). Reinsert the hitch pins and secure with the cotter keys.
- Place the retainer strap around the lower end of the legs to prevent them from spreading. This makes the tripod easy to handle. Place the tripod into its carrying case.
- Clean the chain if necessary and place it into its storage bag.
- Place the bagged chain into the pocket in the center of the tripod carrying case and close the zipper to secure and protect the tripod and prevent loss of the chain. The pocket in the center of the carrying case prevents the chain from sliding to one end causing the tripod to be off balance for carrying. Your Sked-Evac tripod is now ready for transport and its next use.

For more information about your tripod or any other Skedco product please contact us at 1-800-770-7533.



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TO: Skedco Inc.
Attention: Bud Calkin
PO Box 230487
Portland, OR 97224

CLIENT NO.:

REFERENCE NO.: 6009034

DATE: 7 Mar 1995

SUBJECT: SKED-EVAC CONFINED SPACE ENTRY
TRIPOD; PROOF-LOAD TESTS

You submitted a complete and assembled SKED-EVAC tripod for proof-load testing. The tripod was set up in our laboratory and tested at various heights to determine the repeatable load rating.

An anchor in the floor was attached to a winch and load cell to apply a vertical load to the assembly. The proof loads were measured with an electronic load cell that had been verified to National Bureau of Standards calibration on our universal testing machine.

The proof load was held for 2 minutes, and dimensions of deflection recorded. You witnessed all the testing. The results of the tests are given in the table below.

Leg Position	Proof Load, Pounds	Tripod Height, Inches
A	5280	119
B	6000	115
C	7000	112
D	7500	107
E	8500	102
F	9500	98



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Ralph A. Hudson, PE
Account Director

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