



Fire Protection Training

Procedures Handbook 4300

ROPES & KNOTS

TOPIC: How To Tie Off An Axe, Pulaski, or Sledge Hammer for Hoisting

TIME FRAME: :30

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: A length of rope and an axe, pulaski or sledge hammer

Behavior: The student will secure a rope to the tool to hoist it under simulated fire conditions.

Standard: With a minimum of 100% accuracy

MATERIALS NEEDED:

- One length of rope
- Stop watch
- Axe, Pulaski, or sledge hammer
- Performance examination

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 3

PREPARATION: The ability to effectively use ropes, knots, and hitches is a basic skill which every firefighter should possess. It is critical that every firefighter perform these skills in a professional manner. Failure to do so can result in serious injury to personnel and/or damage to equipment.



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PRESENTATION

OPERATIONS	KEY POINTS
1. Form a bight	1a. Running part end in working hand b. 3' off the ground c. Standing part in free hand d. With bight touching ground
2. Pass running part end	2a. To free hand
3. Position tool	3a. Tool head down b. Perpendicular to ground c. At point where bight touches ground d. Tool head perpendicular to the rope bight
4. Pass running part end	4a. With working hand b. Over tool head c. Behind both the standing part and the handle d. Adjacent to the tool head
5. Pass running part end	5a. Back over opposite end of tool head b. Then down between running part of rope and the tool head
6. Pull running part end	6a. Until tight
7. Tie half hitch	7a. With standing part b. Around handle c. 6 - 10" from butt of handle
8. Hoist the tool	8a. Off the ground



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APPLICATION:

Student to practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).