



Fire Protection Training

Procedures Handbook 4300

ROPES & KNOTS

TOPIC: How To Tie A Half Hitch

TIME FRAME: 10 Minutes

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: One length of rope

Behavior: The student will demonstrate tying a half hitch.

Standard: With a minimum of 100% accuracy in 10 seconds

MATERIALS NEEDED:

- One length of rope per student
- Stop watch
- Performance examination

REFERENCES: None

PREPARATION: Knot tying is a basic firefighting skill. In emergency operations it is important that each knot be tied quickly and without error. A knot which is used inappropriately or which fails because it was tied improperly can further harm victims, injure fellow firefighters and become an embarrassment to you.

The half hitch is generally used as a safety or a "stopper" in conjunction with other knots.



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HOW TO TIE A HALF HITCH

OPERATIONS

KEY POINTS

1. Grasp rope
2. Form a bight
3. Pass running part end
4. Tighten hitch

INSTRUCTOR NOTE: It is recommended that a student who can correctly tie the knot using a different technique than that taught in this lesson be allowed to do so.

- 1a. With working hand on the running part end
 - b. With free hand 2' from the running part end on the standing part
- 2a. With rope
 - b. Around an object
 - c. At midpoint between hands
- 3a. Over and behind the standing part
 - b. Then up through the original bight
- 4a. Simultaneously
 - b. Pulling running part and standing part in opposite directions



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HOW TO TIE A HALF HITCH

APPLICATION:

Student to practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).

Performance Examination

INSTRUCTOR NOTE: It is recommended that a student who can correctly tie the knot using a different technique than that taught in this lesson be allowed to do so.

POINTS

TIME START

- | | | |
|----|---|-----------|
| 1. | Grasp rope with working hand at the running part end and with the free hand 2' from the running part end on the standing part | <u>20</u> |
| 2. | Form a bight around an object in such a manner that both legs of the bight are of equal length | <u>20</u> |
| 3. | Pass the running part end over and behind the standing part | <u>20</u> |
| 4. | Pass the running part end up through the original bight | <u>20</u> |
| 5. | Tighten the knot by simultaneously pulling the running part and the standing part in opposite direction | <u>20</u> |

TIME STOP

ENTER TOTAL TIME: _____:

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE:

DATE:

COMMENTS:

