



Fire Protection Training

Procedures Handbook 4300

HOSE

TOPIC: How to Bed Large Diameter Hose, On The Fireground, Flat Load, Straddle Position

TIME FRAME: 30 Minutes

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: 300 feet of large diameter fire hose, a hose bed, and five assistants.

Behavior: The student will supervise loading 300 feet of large diameter hose, straddle method.

Standard: With a minimum of 70% accuracy within ten minutes.

MATERIALS NEEDED:

- Fire apparatus
- 300 feet of large diameter hose
- Safety equipment
- Stop watch
- 6 firefighters

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 10
- IFSTA, Hose Practices, 7th Edition, Chapter 5

PREPARATION: With reduced personnel on engine companies and an increasing need to provide large fire flows, many fire departments are using large diameter hose. With proper training large diameter hose can be cost effective, time efficient and provide adequate fire flows. Reloading this hose after fireground operations requires special techniques.



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HOW TO BED LARGE DIAMETER HOSE,
ON THE FIREGROUND, FLAT LOAD,
STRADDLE POSITION

OPERATIONS

KEY POINTS

- | OPERATIONS | KEY POINTS |
|---------------------------------|---|
| 1. Relieve pressure in hoseline | 1a. Engine operator |
| 2. Drain hoseline | 2a. Without breaking couplings |
| 3. Position apparatus | 3a. Apparatus straddling hose
b. Facing nozzle
c. At female coupling |
| 4. Position firefighters | 4a. Two in hose bed
b. One on tail board
c. One on ground at tail board
d. One on ground rinsing hose with hardline
e. Crew leader visible to engine operator |
| 5. Drive engine | 5a. Forward
b. Toward nozzle
c. Slowly |
| 6. Place female coupling | 6a. At front (cab) end of hose bed
b. Near hose bed divider |
| 7. Place hose | 7a. Flat
b. Toward rear of bed
c. Parallel to hose bed divider |
| 8. Fold hose | 8a. Back on itself |
| 9. Place hose | 9a. Parallel and adjacent to first flake toward front of hose bed
b. Leave 12" space in front of hose bed for LDH couplings |
| 10. Fold hose | 10a. Back on itself |
| 11. Place hose | 11a. Toward rear of bed
b. Parallel and adjacent to flakes |



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OPERATIONS

KEY POINTS

12. Load LDH couplings

13. Continue to load hose

14. Load second tier/layer

15. Start second tier/layer

16. Continue to load

12a. Into 12" space at front of bed

13a. Engine driven forward

b. Successive flakes

1. Flat

2. Parallel to previous flake

3. Adjacent to previous flake

c. Until opposite edge of hose bed reached

14a. Flakes 6" shorter than previous tier

b. Staffer at rear of hose bed

15a. First flake of second tier directly on top of last flake in first tier

b. Successive flakes parallel and adjacent to first flake of second tier

16a. Until all hose loaded

b. Even numbered tiers 6" shorter than odd numbered tiers

c. Stagger at rear of hose bed



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APPLICATION:

The student will practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).

Performance Examination

HOW TO BED LARGE DIAMETER HOSE,
ON THE FIREGROUND, FLAT LOAD,
STRADDLE POSITION

POINTS

TIME START

- | | | |
|-----|---|-----------|
| 1. | Signal engine operator to move engine into position straddling hose. | <u>5</u> |
| 2. | Position firefighters for bedding operations. | <u>5</u> |
| 3. | Signal engine operator to drive forward slowly and continuously. | <u>10</u> |
| 4. | Signal firefighter to place coupling in hose bed at front of hose bed adjacent to the hose bed divider. | <u>10</u> |
| 5. | Direct firefighters to place first flake of hose in bed toward rear of bed parallel to hose bed divider. | <u>10</u> |
| 6. | Direct firefighters to fold hose back on itself and place second flake toward front of the hose bed parallel and adjacent to first flake. | <u>10</u> |
| 7. | Direct firefighters to place hose leaving 12" space along front of entire hose bed. | <u>10</u> |
| 8. | Direct firefighters to fold hose over on itself and repeat steps 5 and 6 until first tier/layer is loaded. | <u>10</u> |
| 9. | Direct firefighters to load all couplings into 12" space at front of bed. | <u>10</u> |
| 10. | At end of first tier direct firefighters to place first flake of second tier directly on top of last flake of first tier. | <u>10</u> |
| 11. | Direct firefighters to continue loading hose with successive flakes parallel and adjacent to previous flakes. | <u>5</u> |
| 12. | Direct firefighters to make all flakes in even numbered tiers 6" shorter than odd numbered tiers. | <u>5</u> |

TIME STOP

4307.26

Performance Examination

HOW TO BED LARGE DIAMETER HOSE,
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ENTER TOTAL TIME: _____:

POINTS POSSIBLE: _____ 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE:

DATE:

COMMENTS:
