



# Fire Protection Training

Procedures Handbook 4300

HOSE

**TOPIC:** How to Bed A Horseshoe Load

**TIME FRAME:** 1 Hour

**LEVEL OF INSTRUCTION:**

**BEHAVIORAL OBJECTIVE:**

*Condition:* Four lengths of fire hose, an appropriate hose bed and two assistants.

*Behavior:* The student will horseshoe load all four lengths under simulated fire conditions.

*Standard:* With a minimum of 70% accuracy

**MATERIALS NEEDED:**

- Four sections of hose
- An engine with a hose bed
- Two assistants
- Performance examinations

**REFERENCES:**

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 10

**PREPARATION:**

The horseshoe hose load places fewer bends in the hose than the accordion or flat loads, but the flakes are considerably longer and are unequal in length. The horseshoe load is very effective for rapidly placing working lines into operation or for dragging hose on a street. If loaded improperly, it may be very difficult to pull from the apparatus.

4307.22

Page 1



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HOW TO BED A HORSESHOE LOAD

## OPERATIONS

## KEY POINTS

- | OPERATIONS   | KEY POINTS   |
|--|--|
| 1. Position fire hose                                    | 1a. At rear of hose bed<br>b. All four lengths<br>c. Clean and dry   |
| 2. Clean hose bed  | 2a. Remove debris, ashes and/or water  |
| 3. Start with male or female coupling                    | 3a. Male coupling for a forward load<br>b. Female coupling for a reverse load<br>c. Make sure couplings are clean and operating properly                 |
| 4. Place coupling in corner of the hose bed.             | 4a. Near hose bed divider<br>b. In rear of apparatus   |
| 5. Stand hose on edge in hose bed in a horseshoe fashion | 5a. Start from coupling<br>b. With horseshoe opening to the rear of apparatus<br>c. Continue around hose bed to the other side                           |
| 6. Fold hose back on itself towards the starting point   | 6a. Folds may be staggered<br>b. Work hose to make a tight fold (loop)   |
| 7. Continue to load hose                                 | 7a. In horseshoe fashion<br>b. Until coupling is reached   |
| 8. Stagger couplings in the hose bed                     | 8a. To avoid couplings side by side<br>b. To fully utilize hose bed<br>c. To allow easy removal of hose<br>d. So couplings will not interfere with folds |
| 9. Position coupling for proper exit                     | 9a. Use Dutchman if necessary<br>b. So coupling will pull straight out without having to turn around   |
| 10. Continue to load hose until the tier is filled       | 10a. Load snugly but not too tight   |
| 11. Bring hose up to next tier                           | 11a. Method 1-in center of last flake raise hose to lay flat on the tier   |

4307.22

Page 2



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## OPERATIONS

## KEY POINTS

12. Continue to load hose by the same method on the next tier

hose to lay flat on the tier

1. Extend to a front corner
2. At corner place back on edge
3. Resume loading in horseshoe fashion

11b. Method 2-in center of last flake bring hose out rear of apparatus

1. Fold the hose around the ends of one-half of the same tier
2. Either to hose bed wall or divider
3. Place hose between the tier and the side of the bed and pull snugly
4. Form a short fold approximately 2' down the side of the bed which is folded back toward the bed wall and not the center of the bed
5. Gradually raise to the next tier and continue

12a. Until all hose is loaded

4307.22

Page 3



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***APPLICATION:***

The student will practice until proficient.

***EVALUATION:***

A performance examination.

***ASSIGNMENT:***

To be determined by instructor(s).

# Performance Examination

	<b><u>POINTS</u></b>
1. Ensure hose bed is clean	<u>10</u>
2. Position coupling at center divider, at rear of hose bed and apparatus	<u>10</u>
3. Stand hose on edge and lay to front of hose bed along center divider then across front and back down on opposite side	<u>10</u>
4. Fold hose back on itself along outside of hose bed across the front and back down center divider	<u>10</u>
5. Continue loading until first layer/tier is snug	<u>10</u>
6. Stagger couplings as necessary	<u>10</u>
7. Use Dutchman as necessary	<u>15</u>
8. Bring hose up to next tier	<u>15</u>
9. Continue horseshoe load until all hose is bedded	<u>10</u>

**POINTS POSSIBLE:** 100

**POINTS DEDUCTED:**

**FINAL SCORE:**

**EVALUATOR'S SIGNATURE:**

**DATE:**

**COMMENTS:**

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