	<b>Cincinnati Fire Department Fire Training Supplement DRILL BOOK</b>	<b>SECTION #1 General Fire Fighting</b>
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**Topic #24: Xtend and Climb 780P Telescoping Ladder**

Carried on all Heavy Rescue and Ladder Companies.

**Description:**

The Xtend and Climb 780P is a telescoping ladder that can collapse down to produce a lower profile, and can be easily carried inside a structure, then extended, and use to climb into areas where it may not be possible to get a traditional Fire Department ladder.

The Xtend and Climb 780P will collapse down to a height of 32 inches and extend to 12.5 feet. It is 19.75 inches wide, 4.5 inches deep and weighs 32lbs.


Rating: ANSI A 14.2 Type 1A. Industrial heavy duty 300lbs.

**Operation:**

**Step 1:** Extending the Ladder

1. Release the strap that secures ladder in its storage configuration.
2. Place ladder on firm level surface.
  - a. Place your foot on the bottom rung to hold ladder in place.
  - b. With both hands, pull up on couplings of the third rung from the bottom.



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- c. Make sure that each rung is pulled up to its fullest extension and locks before extending the next rung.
- d. Extend the desired number of rungs to achieve the required height.
- e. With the ladder fully extended, do not stand on any rungs within 3 feet of top of the ladder. This warning is displayed on the second and third rungs from the top of the ladder.

### **Step 2: Closing the Ladder**

Starting at the highest extended rung, carefully close each rung by securely placing your thumbs on the latches below the rung that you are closing. Make sure that your hands are below the plastic coupling of each rung.

1. Grasp the ladder by the couplings below the rung on which you are activating the latches.
2. Place thumbs on the latches that you wish to disengage.
3. Place the rest of your hand below the coupling



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**NOTE: If you place the rest of your hand above the coupling, your hand could be pinched between the rungs! You must close the ladder one section at a time.**

4. Simultaneously push latches inward (towards each other) until the previous rung is lowered.
5. Repeat this operation for each rung until the ladder is fully collapsed.

#### **Safety Features:**


If the next lower rung is fully extended, the closing rung will stop before hitting the rung that you are holding. This closing rung will nestle completely when the next lower rung is disengaged.

Do not place any part of your body including hands, fingers or thumbs on or between rungs or couplings above the closing rung.

Both locking mechanisms must be engaged on all extended rungs before climbing the ladder. The green dot must be visible to assure you may stand on the indicated rung. If there is no green dot, do not stand on that rung.



Do not climb ladder unless all locking mechanisms are engaged.

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**Maintenance:**

- Make sure all ladder components are in good working order.
- Keep ladder clean, free from oil, grease, mud, wet paint and other material.
- Keep shoes, boots clean. Leather soles should not be used.
- Never repair ladder. Send to Stores if damaged or exposed to fire.

**CAUTION: Never attempt to deploy this ladder by holding upper rungs and dropping the bottom of the ladder down to a lower level.**

This can cause the ladder to appear to fully deploy while the locks are not fully engaged, making it unsafe to climb.