# **Usage:**

Usage: For access to roofs, windows, and other objects overhead. Ladders can be used in rescue, ventilation, distribution of weight, as well as shuttle activities.

# **Specifications:**

* **Lengths**:
	+ Attic (folding): 10’
	+ Combination: 14’
	+ Roof: 14’ & 16’
	+ Extension: 24’, 28’, and 35’
* **Ratings**:
* Extension/Roof Ladders: 750Lbs with a 4:1 safety ratio
* Roof Ladder Hooks: ¾” Hooks rated at 1,000Lbs and 2,000Lbs together
* Attic Ladder: 300Lbs with a 4:1 safety ratio
* Rung Distance: 14” on center and 1¼” in diameter
* Rungs welded and extruded to beams
* Constructed of 6061 T6 Aluminum
	+ Min. yield 38,000psi
* Welds withstand 8,000psi
* Conduct Electricity
* Meet NFPA 1931 and 1932 specifications
* 4 Heat sensors per section
* Change from orange to black/brown at 300 o +/- 5 o
* Maintain 75% of strength at 300o
* Halyard (when applicable) constructed of nylon per FFDSD

# **operations:**

* Remove appropriate size ladder from apparatus
* Place spot and raise ladder in safe, desired location
* Butt of ladder should be placed ¼ of the working height of the ladder
* Proper climbing angle should be set to 75o
* Raise fly and secure halyard
* Foot ladder and secure with webbing or hose rope tool

# **maintenance:**

* Clean ladders with mild soap, water and soft brush
* Mfg. recommends paraffin wax lubricant
* Check rungs, welds, dogs, pulleys, stops for snugness and damage
* Inspect halyard for abrasions and deterioration
* Check heat sensor labels
* Vehicle soap may change heat sensor label color

# **Safety precautions:**

* Wear full turnouts
* Watch hand placement when extending and retracting fly
* Lift with legs not back
* Tie off excess halyard to prevent tripping
* Tie beam off to solid object to stabilize ladder
* Watch for above and under ground sources of electricity