

S T R E N G T H

L I G H T W E I G H T C A R B O N F I B E R A S S A U L T L A D D E R L A L - 1 8

I N N O V A T I O N



#### PROGRAM

The LAL-18 project began in 2010, in response to a USSOCOM requirement for a long-reach, lightweight, compact, transportable ladder for use in "extreme environmental and strategic conditions." After extensive R&D, field, and lab testing, the final product was approved and has been fielded to USSOCOM units since early 2016.

# PILOT

INNOVATIONS

## PRODUCT

The LAL-18 is a minimalist, portable, telescoping ladder. It is strong, light, intuitive to use, and quick to deploy and stow. It can be easily transported by a single user, and integrated into a backpack or other gear. The 18 foot ladder consists of 14 telescoping carbon fiber sections. When extended, the sections are secured via two locking pins beneath each rung. The rung sections are modular, and the ladder can be utilized in any length to suit specific mission or task requirements. It can be fully extended or collapsed in under 20 seconds, without tools.

The ladder is constructed entirely of carbon fiber composite, engineered to minimize weight and maximize strength in high-stress areas. Aggressive CNC machined aluminum feet provide maximum traction on a variety of surfaces. The exterior is dark, non-reflective, and is available with a durable protective coating for abusive environments.



## SPECIFICATIONS

Extended Height .....	<b>18 ft</b>
Collapsed Height .....	<b>28.25 in</b>
Width .....	<b>17.75 in</b>
Thickness .....	<b>3.75 in</b>
Weight .....	<b>18.0 lbs</b>
NSN .....	<b>5440-01-661-9361</b>

## PERFORMANCE

Proofed to .....	<b>700 lbs</b>
Ultimate Strength .....	<b>1000+ lbs</b>
Working Load at 75° .....	<b>350 lbs</b>
	<i>intended for single user only*</i>

Unaffected by:

- Fresh, Salt, Chlorine Water
- Temperature extremes
- Diesel & Aviation fuels
- Motor Oil and Weapons Lube

## BENEFITS

- Higher reach than any competing product.
- Exceptional strength-to-weight ratio.
- Transportable, packable, "jumpable" for airdrop missions.
- Intuitive design, simple to use and maintain.
- Modular and can be used at any desired height.
- 100% Made in USA. 