



AERIALS

**QUALITY  
ABOVE ALL.**



**TAKING YOU  
TO THE NEXT LEVEL.**





**Four decades. 6,000 aerials.  
Built one at a time.**

Spartan's line of aerials provide a series of high-performing aerial solutions to meet virtually any fire department's need, no matter the operational environment. The line features a range of medium- and heavy-duty aerials, ladders, platforms, water towers, and TDAs.

After four decades and more than 6,000 aerials built, we have more combined experience engineering, building, testing and supporting aerials than any competitor.

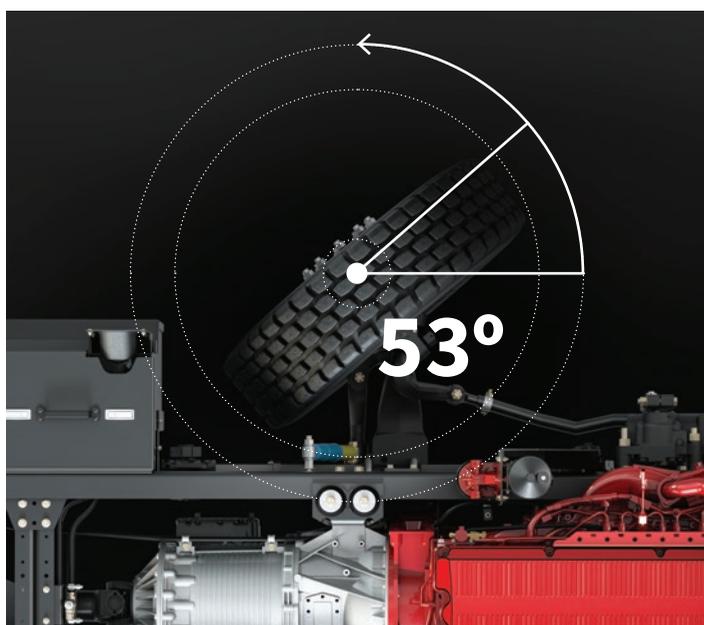
**IT WORKS AS HARD AS YOU DO.  
QUALITY IS IN THE DETAILS.**





## A focus on the firefighter.

If the crew doesn't arrive on the scene safely, even more lives hang in the balance. At Spartan, we face that reality head on with cabs that feature the most advanced safety provisions available in the market today.



## Built on a solid foundation.

Aerials built on a Spartan chassis have the tightest turning radius and the most maneuverability in the industry, allowing for safer navigation through challenging areas. A Spartan chassis offers the premier foundation with a lifetime warranty on all frame-rails and cross-members.

Construction methods and materials are optimized to create the strongest and most reliable frame on the market. All rails (single-, double- and triple-lined) are galvanized for extra durability. All cross-members are gusseted and mounted with grade-eight flanged fasteners for added strength. A Spartan chassis is built to withstand the weight and years of wear and tear that even the most demanding departments and environments will throw at it.

# IT WORKS AS HARD AS YOU DO. QUALITY IS IN THE DETAILS.

## Creeper Controls

Operating at 12–15 percent of normal operating speed, Creeper Controls allow pinpoint placement of the aerial tip for rescue operations.

## Body Mounting Substructure

Our hot dip galvanized or thermal spray zinc body mounts come off the torque box and protrude outward to carry the body from the underside of the compartment structure. Additionally, both the upper and lower brackets have rubber blocks to absorb body shock. We also utilize an isolation barrier between different metals to prevent corrosion.



## Aerial Ladder Performance

Whether you're looking for maximum aerial tip load capacities while flowing large volumes of water, you want maximum vertical and horizontal reaches, or you need to set up in tight, congested streets with minimal outrigger spread, our aerials can meet your requirements without compromising safety or full aerial operational envelope.

## SG-09 Auxiliary Power Unit

Our APU option is designed for an industry faced with increasingly strict emission standards and tighter budgets. Utilizing a separate 9kW diesel-powered generator, the operation of the main chassis engine can be reduced while providing all electrical and HVAC capabilities. *Option not on unit as shown.*

## CP-84 Waterway

The strongest, most durable waterway in the industry featuring a galvanized inner coating prevents corrosion of the 84,000 psi pipe. The exterior waterway is chrome plated to provide a smooth telescopic movement throughout the entire extension and retraction of the aerial ladder.

## FP-4 Stabilizing System

Our unique stabilizing system (available on most models) places the front stabilizers just behind the cab of the apparatus. This forward placement provides superior fore/aft leveling capability on steep terrain, plus easy access to the pump panel, while reducing stress on the chassis.



## Torquebox

Our tubular steel torsion box subframe design provides ample internal storage for NFPA hose load and ground ladders that can be accessed from a safe, convenient and ergonomic height. Ladders come off apparatus at 42" from the ground.



## Spartan Advanced Protection System®

If the crew doesn't arrive on the scene safely, even more lives hang in the balance. At Spartan, we face reality head on with cabs that feature the most advanced safety provisions available in the market today.

The Spartan Advanced Protection System® (APS) is the #1 safety system in the industry. Designed and purpose-built for firefighters, it combines forward-thinking apparatus safety, developed around the needs of the first responder. This market-leading system includes:

- Eight airbag positions, the most offered by any manufacturer, including knee and side curtain airbags. These give your apparatus the highest available impact and anti-ejection protection in the industry.
- Innovative seat belt systems and outboard sensors that enable an intelligent restraint control, dramatically reducing restraint system injuries.
- Ergonomic driver controls that help ensure safe and easy operation of the vehicle, because the drive to a rescue should never require its own rescue.
- State-of-the-art HVAC system that cools or heats the cab quickly and efficiently.
- Higher rooflines, added hip room and a cab-forward engine tunnel provide more space and comfort for the driver, officer, and crew.
- Optional 360° camera to improve sightlines all around the apparatus.
- Third-party testing to ensure cab safety from every perspective. We test for roof crush, front impact, roll stability control, airbags, seat mounting and seat belt restraint system validation.

## Safe and Spacious Cabs.

At Spartan, we've designed with firefighters in mind by offering the most spacious and ergonomic cabs in the industry.

Flat floors, low step heights, and taller, wider cab doors allow firefighters to get in and out quickly at the scene. The Spartan raised roof extends over the driver and officer, making it easier to maneuver within the cab. We've even optimized the engine tunnel to increase leg and hip room for the front seats, while giving more floor space to the rear crew. Our cabs can comfortably seat up to 10 crew members.

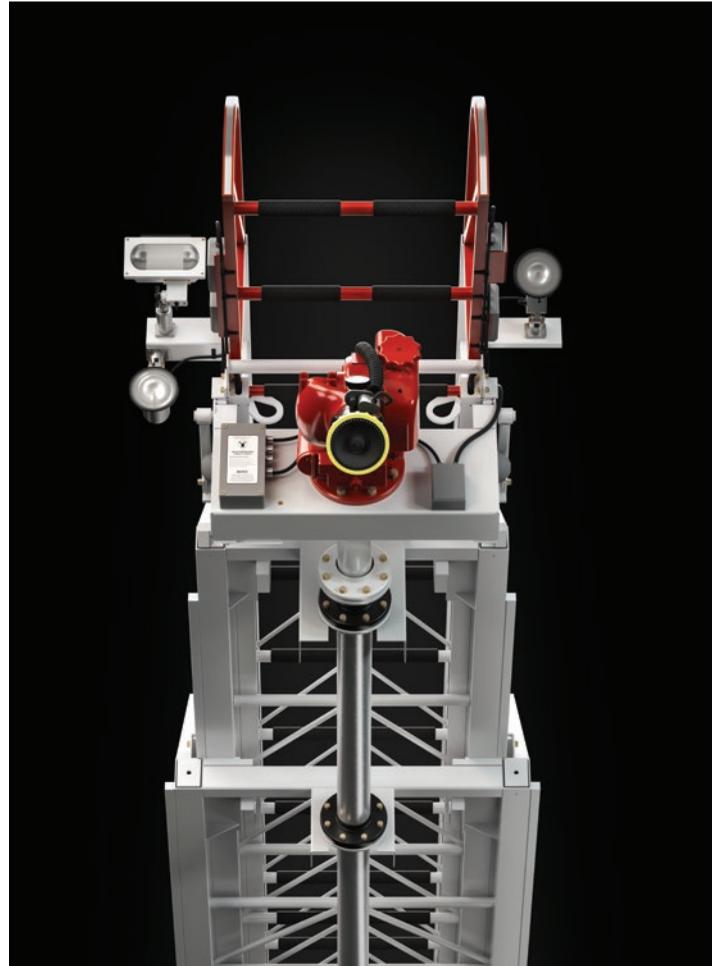
Designed to be quieter and more comfortable, our cabs maximize every square inch without increasing the 99" width.



## RESPONDING WITH INNOVATION.



**ERGONOMIC HOSE LOAD (EHL):** *Our patented, heavy-duty, electro/hydraulic hose loader option improves firefighter safety by placing a maximum of 1,000 feet of 5" LDH within a firefighter's reach, eliminating climbs on a wet or slippery apparatus to reload hose.*



**POSITIONAL WATERWAY:** *Our patented electric positional waterway is an extremely popular option with many fire departments. This feature lets the operator position the waterway to either Rescue or Water Tower with a simple one-step procedure by switching modes from the turntable operator's position.*



**AERIAL LADDER DESIGN:** All aerial ladder sections and primary load support members are designed with certified high-strength steel to ensure the highest quality with superior strength-to-weight ratios and minimal aerial ladder deflection.



**AL-11 AERIAL LOGIC:** A totally integrated system that provides instant feedback on a ladder's extension, location, retraction, angle, load and breathing air system status, as well as J1939 engine information.



**QL-12 ELECTRICAL SYSTEM:** Our plug-and-play system reduces the amount of non-plug connectors and makes it easy to add components and make repairs to the electrical system.



**SPARTAN SELF-LEVELING SYSTEM (SSL):** At the push of a button, after the outriggers are deployed the truck is automatically leveled. The optional SSL system also stows the outriggers at the touch of a button.



**REMOVABLE EGRESS:** Bolt-on removable egress for easy replacement. Available in two lengths.

# A WIDER RANGE OF RESPONSES.

## Platforms

Designed for safety, functionality and serviceability, our platforms can flow large volumes of water or perform precision rescue operations—like a Swiss Army knife, they can do it all. Our platform controls have infinite feathering, ramping features, and low/medium/high “shift on the fly” speed controls providing smooth multifunction operation of the aerial, even at low angles of elevation and fully extended. Additionally, our unique electro/hydraulic leveling system monitors the position of the platform relative to the ground, keeping the workspace level and platform occupants safer.

- Spacious working areas (21.5 sq. ft. for rear mounts and 19.5 sq. ft. for mid-mounts) plus 4" side and 10" front work decks offer ample space.
- Operates at a minus 12 degrees up to 72 degrees.
- Two bi-fold platform corner doors open in and out of the way for safe uninhibited access on and off the platform from the front and sides. The openings are large enough for stair chair access.



## Ladders

Spartan offers classic mid-mount and rear-mount designs that are robust enough to handle any elevated master stream attack situation. From maneuverable 55' aerials to robust 125' aerials, all available with multiple options, Spartan's ladder lineup can serve the needs of any urban or suburban firehouse.

- Fully operational on slopes up to 10.5° (18 percent grade) to position almost anywhere and operate reliably
- Fast on-scene setup featuring a pinless stabilizer design with self-leveling ground pads
- Models with tip-loads up to 750 lb. while flowing up to 1,500 GPM unrestricted
- Narrowest H-style jack spread at 12' while allowing full operations on some models



# A WIDER RANGE OF RESPONSES.

## Tractor-Drawn Aerial

Spartan TDAs are designed for departments that call for a compact, highly maneuverable design, lots of equipment and ground ladder storage, a narrow stabilizer spread and excellent visibility.

- Highly maneuverable with increased on-scene access to easily navigate narrow streets and congested urban environments.
- Two outriggers allow for quick setup and a faster response.
- Generous compartment space provides ample storage in a compact body design.
- Our tiller cab provides superior visibility to the operator with its unique design.



## Water Towers

### SQURT®

Engineered to perform on both custom and commercial chassis, the Sqrut Articulating Water Tower allows you to position your master stream anywhere the scene demands—reaching out, over, and under obstructions with ease.

- 54' vertical reach while flowing a 1,000 GPM
- Narrow 11'9" (3.6 m) stabilizer spread allows setup in tight streets, alleys and cul-de-sacs
- Allows for traditional pumper design and wheelbase for maneuverability with water capacity of up to 750 gallons



### TELESQURT®

The compact TeleSqrut Telescoping Boom-Ladder is a rated aerial that offers the maneuverability of a pumper. It's the ideal first-out unit for departments with a demand for aerial operations that respond to a variety of fire and rescue calls.

- High-strength, extruded aluminum box boom design provides strength, stability, and rigidity while minimizing weight
- Exclusive 55' and 65' (20 m) models provide excellent reach with a short-bedded length, short wheelbase, minimum overhang, and extensive maneuverability
- Fight fires from almost any angle—remote control nozzle rotates 200° vertically, 180° horizontally to direct water up or down, or sweep a broad area
- Allows for traditional pumper design and wheelbase for maneuverability, with water capacity of up, to 750 gallons

