Space-optimized side protrusion.

Even emergency crews wearing self-contained breathing apparatus have plenty of space thanks to an intelligently designed side protrusion.

A variety of accessories.

The responsibilities of fire departments differ greatly in their nature. The Rosenbauer cage can be individually equipped for all types of operations. A variety of accessories – such as lighting, fully integrated water technology, power supplies, stretchers, and many more – turn every Rosenbauer aerial ladder into a firefighter's best friend. The folding ladder integrated into the middle entry point serves as an additional entry aid for balconies and uneven terrain. It can also be used as a bridging aid to windows.

Swiveling control panel.

The control and instrument panel was positioned on the left side. This keeps the cage operator always in view from the main control panel position. The middle of the cage is also kept free for easy and safe entry and egress.

Stable accommodation of stretchers.

The stretcher is placed in the middle of the cage floor. This increases stability and prevents the cage from tipping sideways. The patient is easily accessible for both firefighters in the cage and can be optimally treated and even given artificial respiration at any time.

The ladder set.

Greatest stability for maximum safety.

Patented box nodes design.

The patented box nodes design distributes the forces evenly across the top and bottom belts. This increases the torsional stiffness of the overall ladder set.

Highest processing quality.

Each ladder set is fabricated with high-strength, fine-grained steel and powder coating. The hermetically sealed welded joint reliably protects the inside of the ladder set against corrosion. Absolute robustness and durability are thus guaranteed.

Extremely wide access hatch.

The step-through width is 54 cm on the top part of the ladder section. Therefore, emergency crews are able to climb the ladder without bottlenecks, even in full gear.

Extensive recovery possibilities.

The exceptional stability of the ladder set makes it possible to lift, swivel, and lower loads. Up to 4,000 kg can be moved at an elevation angle of 60° depending on the size of the ladder. The ladder can also be used as a bridge in mass rescues; up to 15 persons can climb the ladder at a time depending on its size.

Optimal gripping security.

Thanks to the large rung gap, the ladder set can also be climbed when rungs are over rungs – for optimal gripping security even when rungs are aligned.

Optional: active hydraulic vibration damping.

Rosenbauer aerial ladders are so stable that they do not require additional damping. This is especially important if the engine is shut down, for example, to rescue a person from a window. Whoever desires this added comfort regardless will also get active hydraulic vibration damping.

Highly developed rescue lift.

The outstanding properties of the new rescue lift increase rescue rates by 50 %: Its large space accommodates three persons. Ergonomic handles close the gap to the cage for easy entry and ensure extreme safety when exiting from the cage to the lift. The side egress point on the turntable makes it easy to exit from the lift to the ground in any position.

The body.

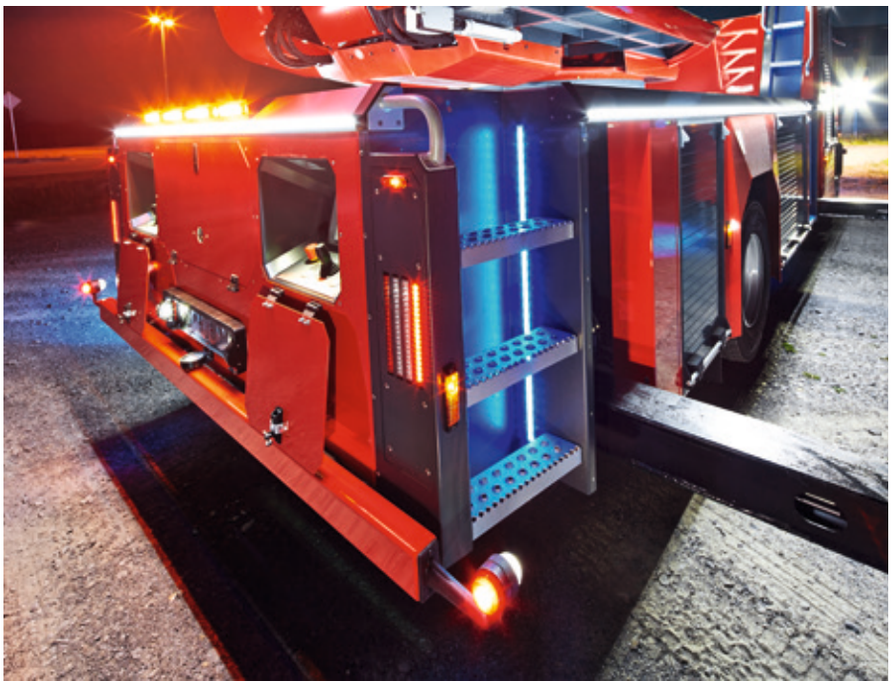
Stable body with a clear view of the essentials.

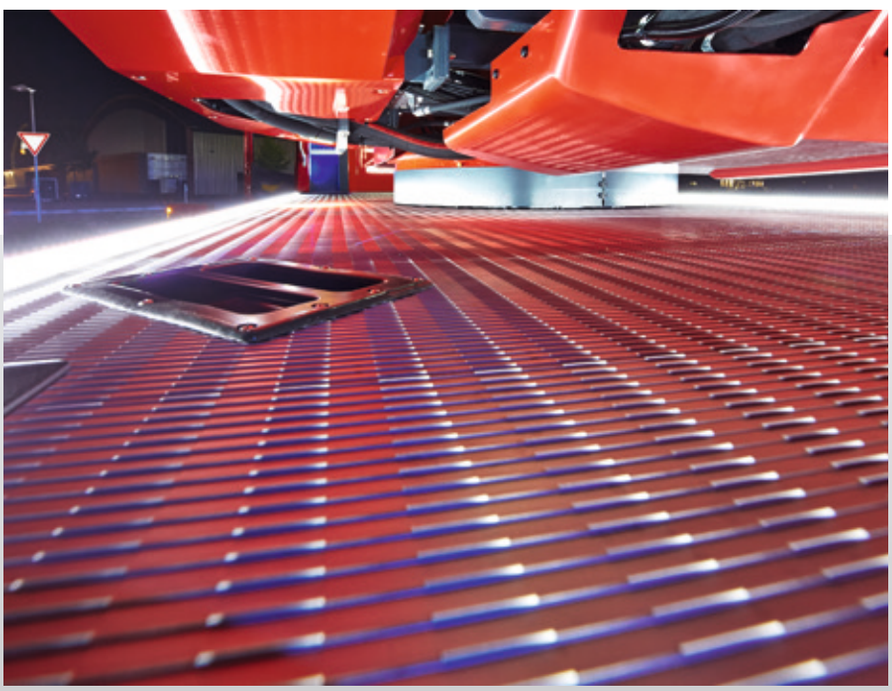
Bright scene light.

An LED strip running the complete length of the body ensures optimum visibility even in bad light. It is securely integrated and illuminates the immediate area around the vehicle completely and evenly without any glare effect.

Illuminated top surface.

Another securely integrated LED strip around the top surface of the body ensures complete and even illumination of the entire top surface at night, in bad weather, and in other conditions with limited visibility.





Safety-optimized rear entry point.

For a secure footing and the easiest possible entry and egress, the rear entry point including steps and access handrail are illuminated with an LED strip. This makes the rear entry point easily visible when exiting. Gripping options have also been ergonomically improved, thus making it even easier to operate.

The turntable.

With strong inclination to stable leveling.

Automatic leveling system.

The automatic leveling system holds the ladder set in horizontal position up to an inclination angle of 10° in the longitudinal or transverse direction of the vehicle. The leveling system automatically turns on when the aerial ladder starts up.

Expanded leveling system.

If the automatic leveling system is not sufficient for an operation, it can be expanded by an inclination angle of up to 14° with help of the outrigger. This ensures that Rosenbauer aerial ladders are ready for safe and reliable operation even in the most extreme situations. This allows for superb leveling on uneven terrain.

The outrigger.

Stabilisation creates safety.

Stabilizing vertical/horizontal outrigger.

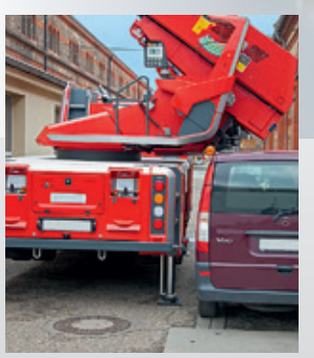
Every Rosenbauer aerial ladder is equipped with a hydraulic vertical/horizontal outrigger for stability. All support movements in the horizontal and vertical direction are continuously controllable within the maximum support range.

Narrow operational situations.

The outrigger in the contour makes it is possible to extend the telescopic boom by the full extension length and rotate 360° even in narrow 3 m operational situations.

Optimal visibility.

Tripping hazards for emergency crews and passers-by are avoided thanks to the sophisticated outrigger contained within the vehicle contour. Optimal visibility and safety are guaranteed as a result.



Outrigger adapts to terrain.

Obstacles can be crossed without difficulty with the outrigger. Rosenbauer aerial ladders achieve optimal stability even on uneven surfaces, because each jack adapts individually to the qualities of the terrain or street.

Extreme operational variability.

The variable outrigger allows the aerial ladder to be extended to such a height that it is able to swivel over obstacles with the overhang of the turret, thus making operations below ground possible thanks to the ladder's inclination angle up to 22°.

Operating philosophy.

Acting intuitively with a focus on what's important.

Rosenbauer aerial ladders are adapted to fast, everyday use and are characterized by easy, intuitive operation. The only way to guarantee safety and reliability in an emergency – from the start of the operation all the way to successful firefighting or rescue.

Outrigger

Arrive/parking brake/PTO on.

All relevant functions, such as scene lighting, road protection, and special signaling systems can be controlled centrally from the display.

Outrigger left.

A simple joystick movement extends the outrigger to the left. The jacks extend independently until they contact the ground.

Operation

Cage operating panel visible from the main control panel.

The outrigger operator mans the main control panel, while a second firefighter in the cage signals operational readiness.

Everything at a glance.

The cage operator maintains an overview of possible directions of movement and all necessary operating information in every situation.

Open cage.

Opening and closing the cage can be controlled separately in order to prevent unwanted movements. The cage folding can be operated together with the movement of the outrigger.

Outrigger right.

If obstacles prevent a jack from extending completely, it will simply drive over the obstacle. The jacks will extend up to the obstacles one after the other and then lower by 10 cm. Afterwards, all of the jacks can be extended simultaneously using the joystick as usual until the jack operation is complete. The set-up situation is analyzed down to the millimeter and the horizontal reach is calculated accordingly. The set-up situation is constantly monitored throughout the process.

Everything is safe.

As soon as an operation begins, the safety system monitors all operational situations and also protects the operator.

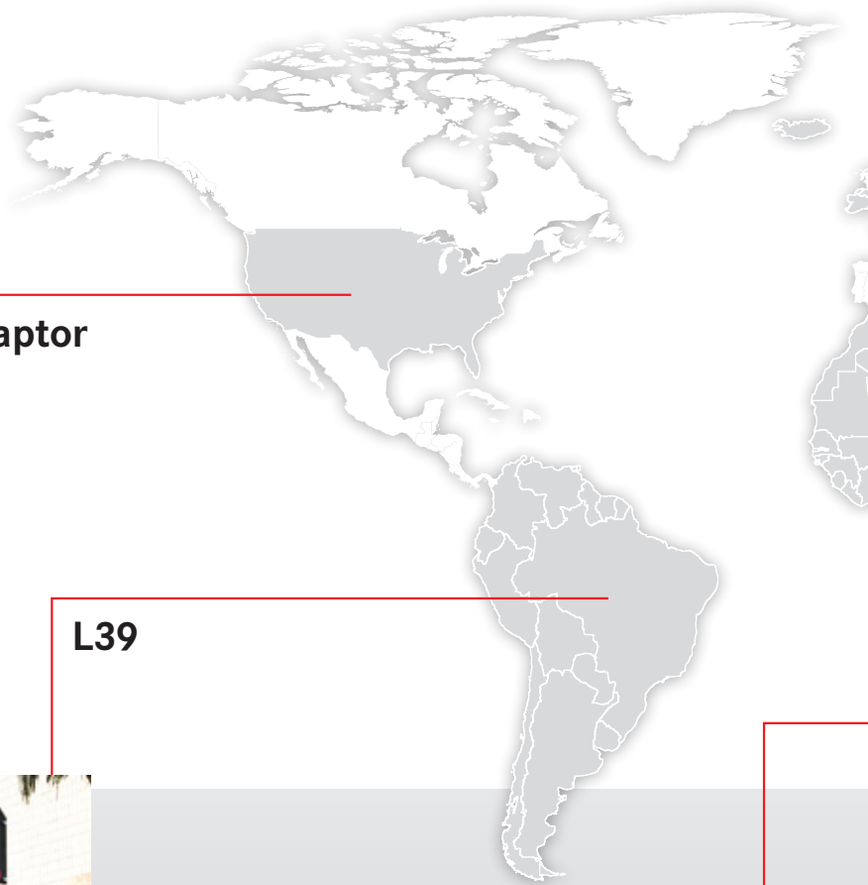
A clear overview.

Load monitoring constantly provides the operator with exact information as to the remaining load capacity. This allows the operator to fully use the field of operation up to the free standing limit without losing time or having to change over.

Internationality.

In operation around the globe.

Whether freezing cold or sweltering heat, -40° C or +50° C, a Canadian winter or a Saudi Arabian desert: Rosenbauer aerial ladders are built for every possible extreme situation. Rosenbauer aerial ladders are used by fire departments on every single continent to save lives and protect property.



Raptor

L39

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