



Aerial Ladders

Highest operational quality.

The high art.

 rosenbauer



Fast aerial rescue through con
Easy operation
clever system,



sistent operation.

,
fast rescue.



Versatile. Unique. Pioneering.

Technological leadership obligates.

As a full-range supplier, Rosenbauer has been providing innovative fire protection solutions for nearly 150 years – from personal protective equipment to custom firefighting vehicles and extinguishing equipment of all types. Born from a passion for fire protection, today the Rosenbauer Group is the global market leader in preventative and defensive fire protection and disaster control. Most of our employees are themselves experienced fire fighters, we know what matters in operations. This know-how influences our developments on an ongoing basis. This is how our significant innovations and ground-breaking technology in fire protection are made – for pros by pros.

Even new developments and advancements for Rosenbauer aerial ladders and hydraulic platforms are based on our practical experience.

Ever-changing operational conditions require immediate and consistent adaptability, meaning that usability to fire departments and emergency crews is always our focus. This is why fire departments all over the world rely on Rosenbauer. Furthermore, our specialists offer integrated solutions and support, even for individual, complex projects.

Rosenbauer is the only full-range supplier for fire protection and firefighting worldwide. Thanks to innovative know-how and the drive to always have our finger on the pulse of the times for the best possible performance, Rosenbauer has become the technology leader in the industry. The highest safety and quality are therefore guaranteed. Today and in the future.

Rosenbauer aerial ladders stand for

- Safety and reliability
- Best quality
- Robustness
- Sophisticated functionality
- Innovation and cutting-edge technology
- Intuitive operation
- Attractive design












Metz is known worldwide for technology, competence, reliability, and safety. Many thousands of lives have been saved over the last decades with Rosenbauer aerial ladders. By incorporating into the Rosenbauer Group, Metz Technology has become a competent technology brand and the seal of quality for Rosenbauer aerials. Reliable, innovative, and customized!

From compact to

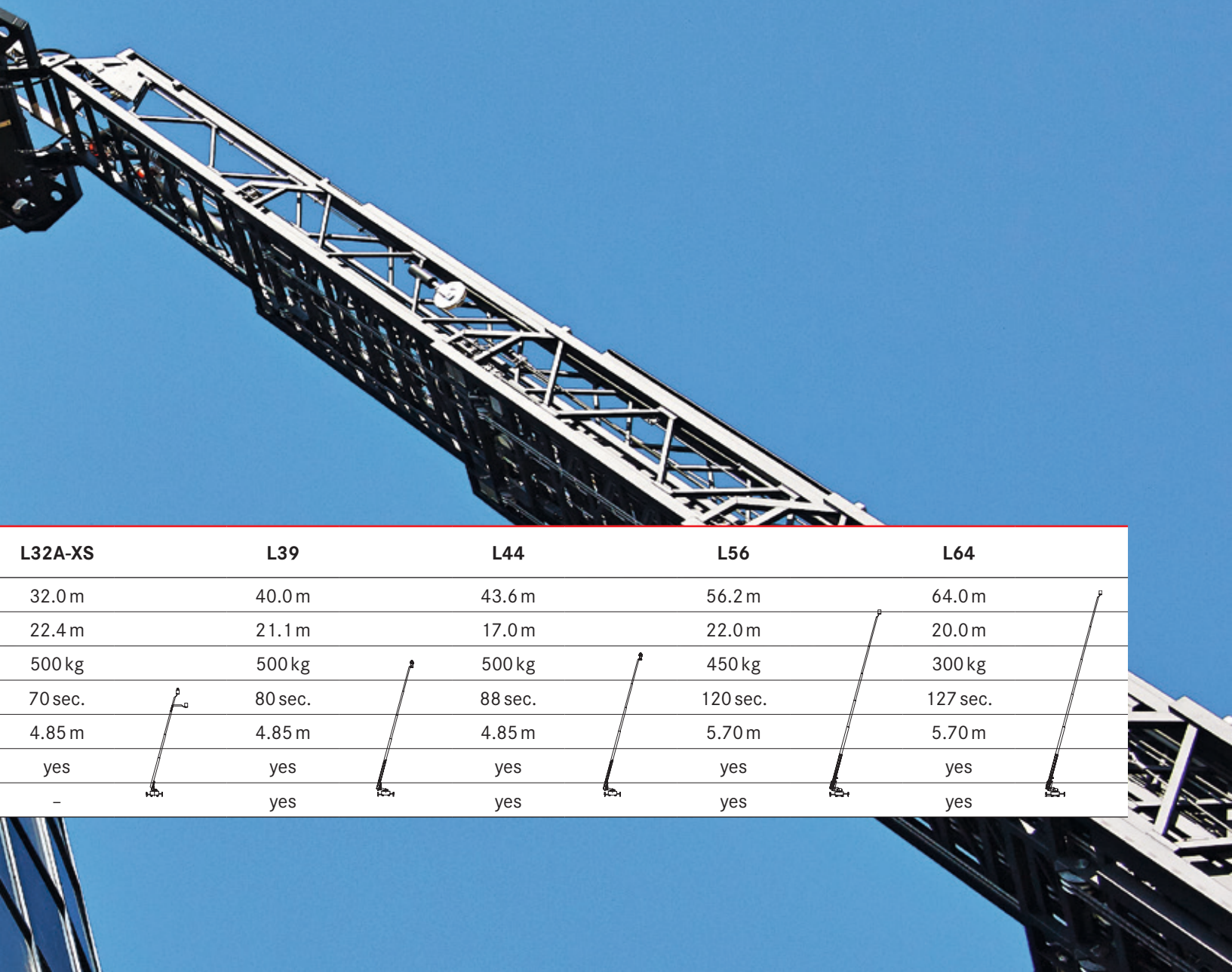
The family of aerial ladders.



Height class

Aerial ladder	L20	L27	L32
Working height	21.0m	27.4m	33.2m
Horizontal reach 1-man limit with cage	16.0m	22.2m	23.8m
Max. cage load	500 kg	500 kg	500 kg
Set-up time	58 sec.	65 sec.	70 sec.
Jacking width	2.50 m 	4.50 m 	4.85 m 
FA version	yes 	yes 	yes 
Lift	- 	- 	- 

sky-high.



L32A-XS	L39	L44	L56	L64
32.0 m	40.0 m	43.6 m	56.2 m	64.0 m
22.4 m	21.1 m	17.0 m	22.0 m	20.0 m
500 kg	500 kg	500 kg	450 kg	300 kg
70 sec.	80 sec.	88 sec.	120 sec.	127 sec.
4.85 m	4.85 m	4.85 m	5.70 m	5.70 m
yes	yes	yes	yes	yes
-	yes	yes	yes	yes

The secret to success: Metz Technology.

Diverse innovations for easy and safe aerial rescue.

Rescue operations depend on the reliability, speed, and flexibility of the operational equipment. Fire fighters are constantly confronted with new local conditions and operational challenges. Rosenbauer works closely with rescue personnel and draws upon their experience to continuously develop products that ensure the best possible safety.

Regardless of whether narrow streets, next to parked cars, or in dense urban parks – the scenes where aerial ladder vehicles are deployed differ just as much as the requirements for live loads and functionality. In order to thus provide rescuers access to previously unreachable scenes, our engineers have

placed considerable value on a flexible set-up and a compact action radius.

Since many operations occur at night or in conditions of poor visibility, it is especially important that the scene of the operation is optimally illuminated. Rosenbauer has invented a solution just for this purpose in the form of an integrated, sophisticated lighting concept. A new, highly advanced rescue cage also lifts the aerial ladder to new heights – wheelchairs can now be accommodated for the first time. These are but only a few of the innovative improvements that have made Rosenbauer so successful.



Secure body.

For the best illumination, modern lighting technology is perfectly integrated into the body. Thanks to a robust aluminum design and other high-quality materials, the body can withstand even the most extreme weather conditions. Entry and egress points are particularly ergonomic. They are also perfectly visible, even from above, and safe to use.

Removable multifunctional columns.

Driven by the space requirements for patient-oriented rescue, the proven Rosenbauer rescue cage was expanded to include innovative, removable multifunctional columns. As a result, it is now possible to accommodate patients who must be transported lying or in a wheelchair.

Swiveling stretcher support.

The rescue of patients in a lying position is now possible from rooftops and windows by repositioning the swiveling stretcher support. The patient can be treated, for example, given artificial respiration during transport.

Integrated water supply with water monitor.

The water supply, with removable water monitor, has been completely integrated into the structure of the cage. The water monitor can be removed to extend the horizontal reach even further as needed.

Newly developed accommodation of wheelchairs.

It is now possible to rescue patients in wheelchairs thanks to an innovative adapter that takes advantage of the large access space into the cage through removable, multifunctional columns.

Improved rescue cage.

The modern 5-person cage, with a live load of 500 kg and 300 kg stretcher support load, is equipped with a 2-pin socket for a stretcher (placed directly on the floor of the cage) as well as a wheelchair transport option. It has a removable multifunctional column, an integrated water supply with optimized flow, and an attachable turret that can remain in the cage even in idle position.

This innovative cage has three upright entry points and one entry point accessible by folding ladder.

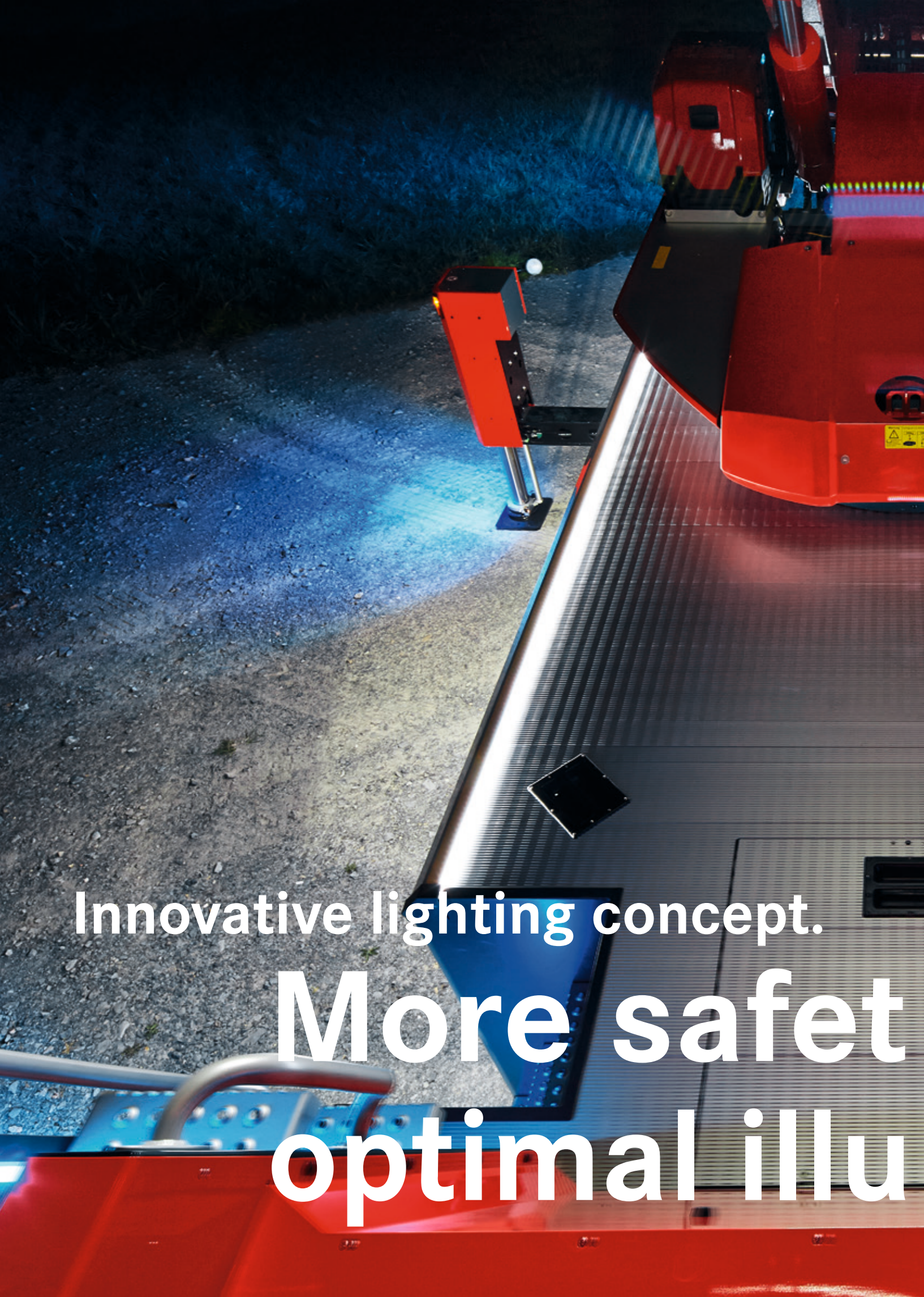
Groundbreaking articulation concept.

The L32A-XS enters a new dimension of maneuverability: the XS 2.0. Just like a pocket knife, the pivot point of the ladder set folds the ladder inward. The ladder sections are thus opened by three rungs. Thus the articulation can be angled immediately despite the swivel arm that is extended by 900 mm.

Without additional drives, the L32A-XS has a cage boom length of up to 4.60 m. Therefore, by optimizing the angle from the cage to the swivel arm, the minimal action radius is reduced to a previously unachievable 6.6 m, measured from the center of the pivot mounting to the top edge of the cage.

Increased live load.

The continuously developed rescue cage has a live load bearing capacity of up to five persons or 500 kg.



Innovative lighting concept.

**More safety
optimal illumination**

A red robotic arm is positioned on a construction site at night. The arm is illuminated by a bright white light, and the surrounding area is lit with blue light. The ground is dark and textured, possibly gravel or dirt. The arm is mounted on a red base, and a blue metal structure is visible in the foreground. The overall scene is industrial and futuristic.

y through
mination.



Always the right pivot.

From compact to sky-high.

Innovative family of aerial ladders.

The sophisticated modular system from Metz Technology offers the right product for every application and operational situation fire departments face. The innovative family of aerial ladders start at a rescue height of 20 m and extend all the way up to 64 m. A good vantage point for successful operations.

Guaranteed benefits.

Thanks to many years of experience and expertise, every model is truly the best on the market. You can count on it.



Multifunctional vehicles.

Perfectly equipped for every need.

Rosenbauer designs customized multifunctional vehicles for every need. As the only full-range supplier worldwide, all components are produced and optimally coordinated from a single source. The chassis, body, and firefighting equipment follow an integrated concept, which is ensured by standardized processes, sophisticated production processes, and an experienced production team. As a result, Rosenbauer vehicles can be adapted to individual requirements. The standard aerial ladder, for example, can be equipped as needed – with either only a small booster water pump or made into a fully equipped first attack vehicle.

For you this means the highest quality, guaranteed reliability, and the best investment security for the future. For your multifunctional vehicle will remain in top shape for many years to come.







“First attack” vehicles.

Firefighting and rescue at the same time.

The “First attack” versions of the aerial ladders provide for optimal rescue, extinguishing, and assistance operations. With universal application, these vehicles can be individually equipped with truck-mounted pumps, water tanks, crew cabins, a rapid intervention hose reel, and technical equipment, including hydraulic rescue tools for the most varied of operational uses. All FA components are fabricated from a single source and guarantee the highest quality and reliability.

Sophisticated truck-mounted pumps.

Rosenbauer’s comprehensive range of pumps sets completely new standards. It offers water discharge rates of 1,000 to 12,000 liters per minute. Innovative rear installation ensures that no valuable locker compartment space is wasted. Of course, it is also possible to arrange it laterally or in the center.

Adaptable to double or crew cabins.

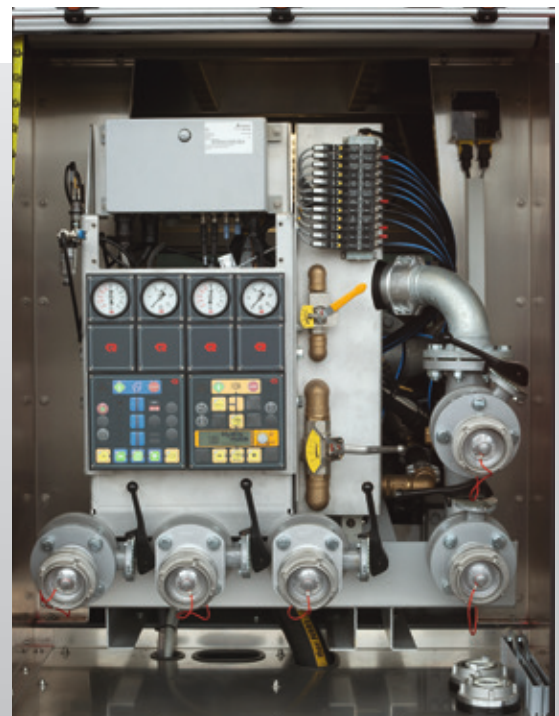
Depending on the overall concept, Rosenbauer aerial ladders adapt flexibly to all brigade, squadron, and group cabins.

Perfectly matched firefighting equipment.

Rosenbauer offers a comprehensive selection of extremely efficient extinguishing systems. All firefighting equipment is developed, fabricated, and optimally integrated into the vehicle body from a single source. It is perfectly matched to all components and thus guarantees the highest level of safety and simultaneous reliable operation. Its functional design and intuitive operation also ensure comfort without compromising safety. Of course, Rosenbauer firefighting equipment, with its various capacities, satisfies all of the requirements of industrial, municipal, and airport operations.

Additional technical equipment.

Rosenbauer vehicles are characterized by their technical flexibility. Even first attack vehicles can be individually configured with various equipment elements as needed and converted, for example, to an assistance vehicle with aerial rescue body.



The highly developed rescue cage.

Sophisticated down to the smallest detail.





One of our newest innovations is the HR500 MF rescue cage. As a central work space for firefighters, rigorous advanced development has resulted in a completely new functional concept for rescue cages. For the first time, aerial ladders are able to accommodate a wheelchair. All existing functions have been better integrated, refined, and tailored to meet all of the necessities of the most diverse rescue operations.

Rosenbauer products are characterized by high functionality, operation, safety and plenty of space. We have been consistently able to set new standards in technology and advanced

development. Even the innovative HR500 MF rescue cage has become lighter and more comfortable. It offers space for up to five people.



Wheelchair accommodation for better rescue.

The accommodation of wheelchairs in aerial ladder rescue cages is a new feature. A wheelchair can be accommodated, anchored, and securely transported with the help of a special attachment for the cage floor. Once on the ground, the wheelchair including patient can be safely pushed from the rescue cage.



Four entry points.

Depending on the situation, emergency crews can access the cage from any side. The ladder set is accessed comfortably and safely via the rear entry point. For unimpeded entry, the cage control panel can be folded to the side out of the way. This creates three entry points on the front side of the cage.



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.

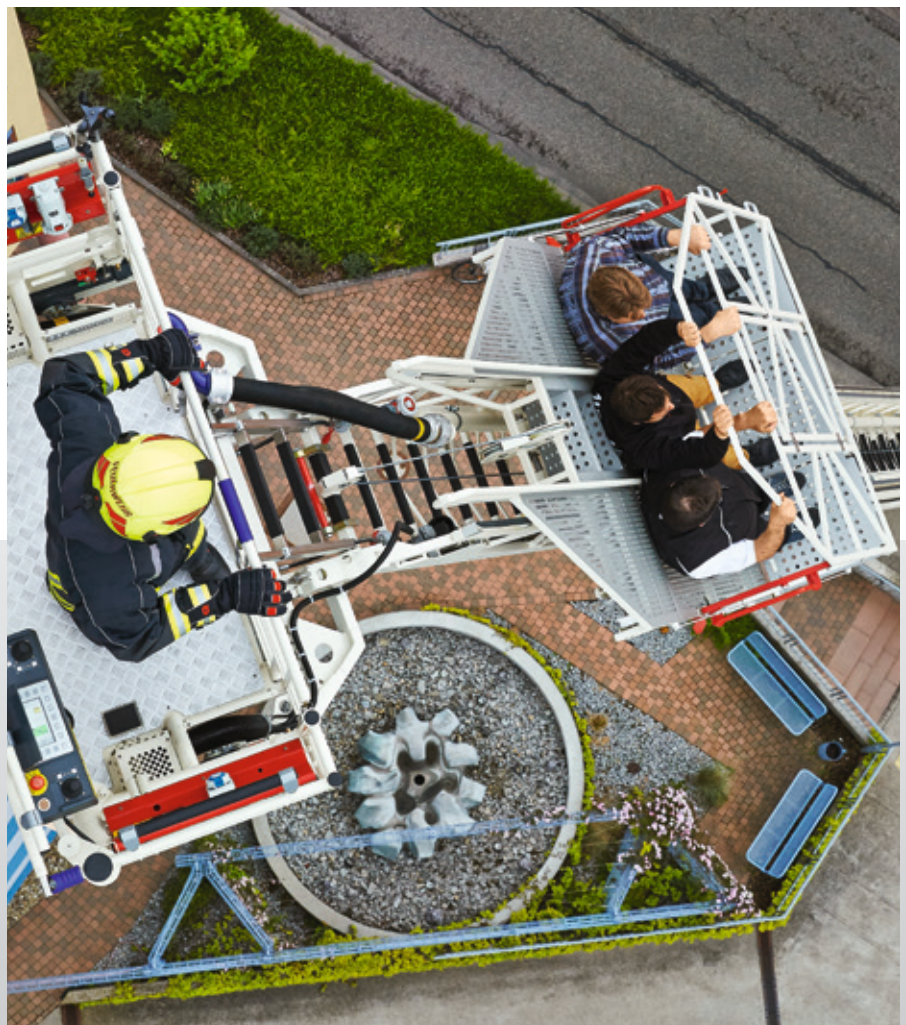
The exceptional stability of the ladder set makes it possible to lift, swivel, and lower loads. Up to 4,000 kg can be moved at an elevation angle of 60° depending on the size of the ladder. The ladder can also be used as a bridge in mass rescues; up to 15 persons can climb the ladder at a time depending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

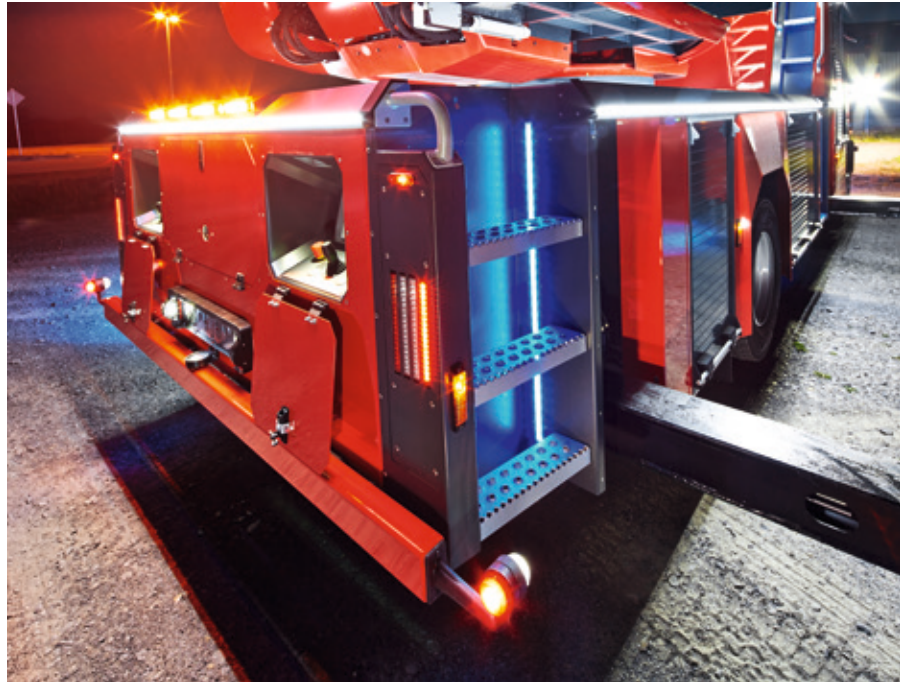
Stable body with a clear view of the essentials.

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.

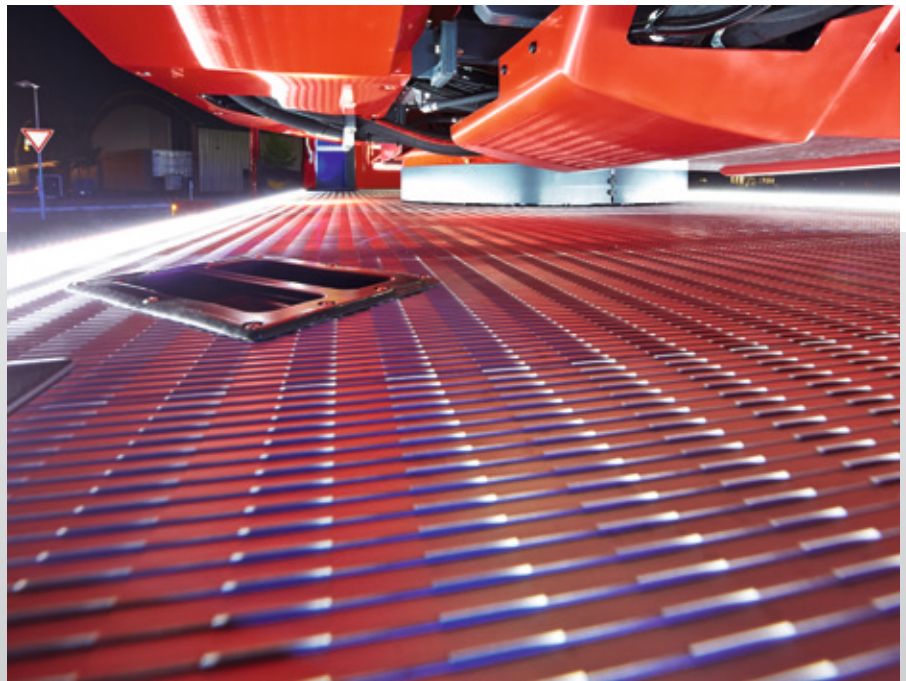
Illuminated top surface.

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.

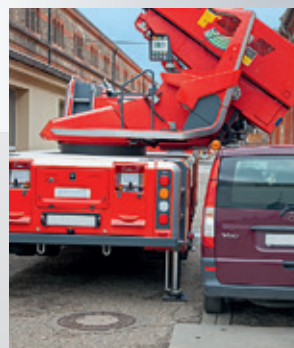
Every Rosenbauer aerial ladder is equipped with a hydraulic vertical/horizontal outrigger for stability. All support movements in the horizontal and vertical direction are continuously controllable within the maximum support range.

Narrow operational situations.

The outrigger in the contour makes it 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.



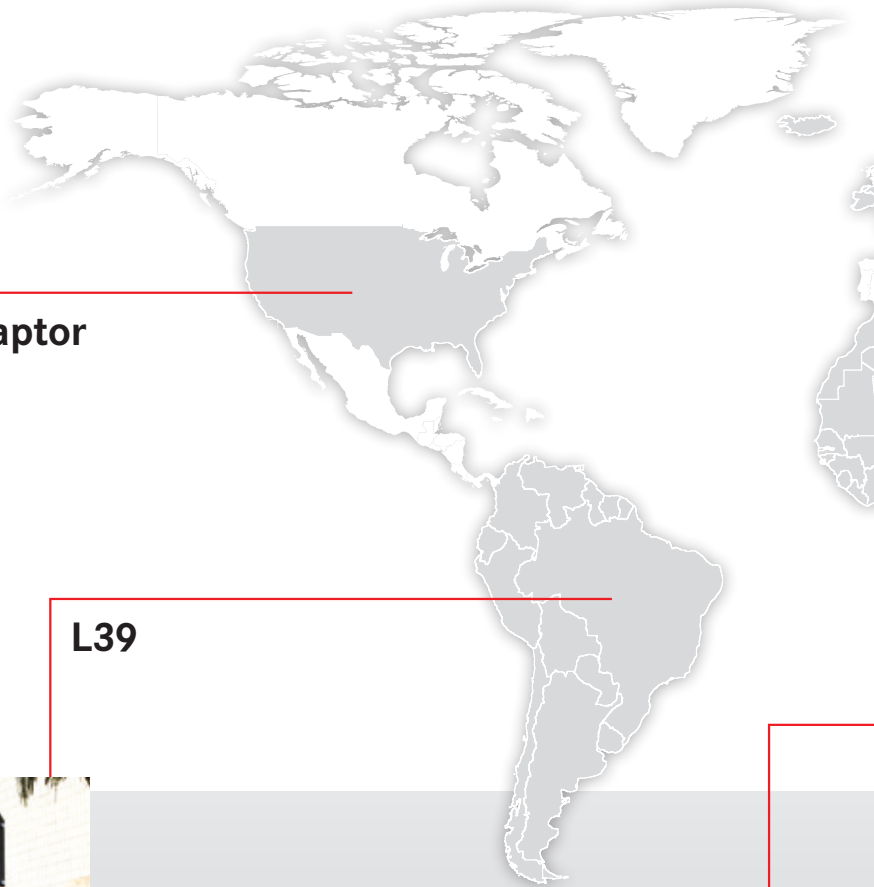
A clear overview.

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 $+50^{\circ}\text{C}$, 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



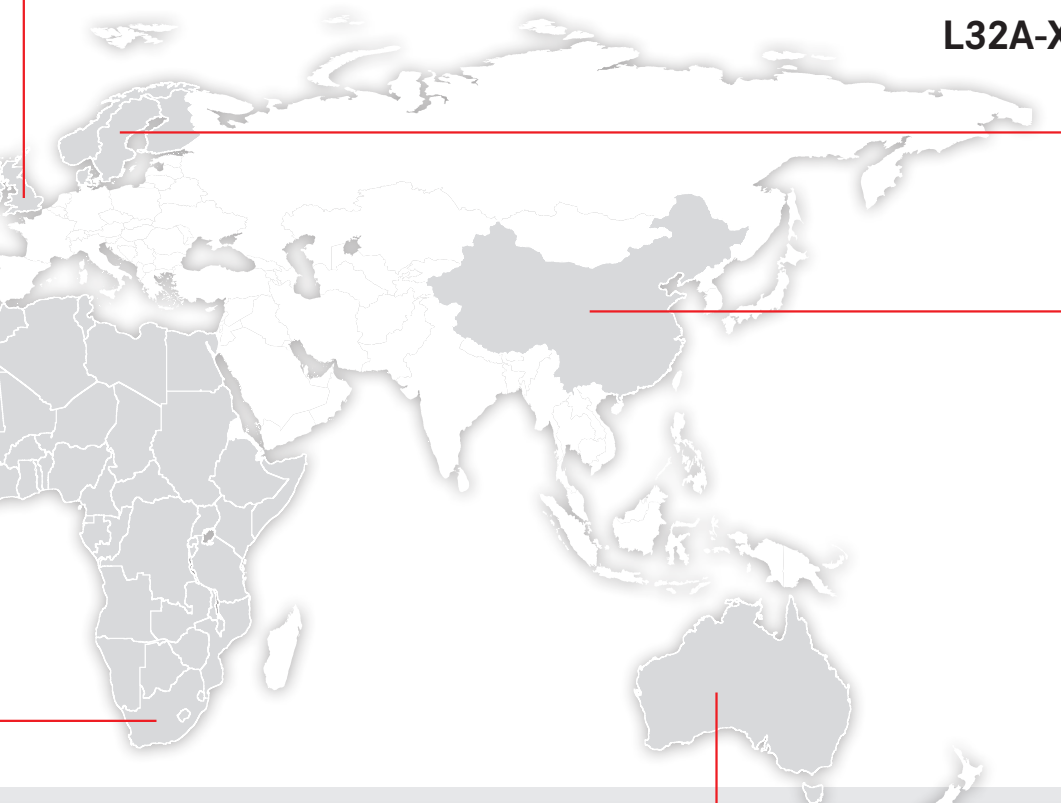
L39



L32A



L32A-XS



L32



L20-FA



Production. Fabrication. Quality assurance.

Trust the technology leader.

Quality you can count on.

Rosenbauer aerial ladders are high-tech products at the highest technical level. Production is done in a synchronized line assembly by experts, the large majority of whom we have trained ourselves. Quality monitoring is ensured through automated inspections and integrated quality gates – regardless of whether small components or entire vehicles are concerned.

Since many employees are themselves experienced firefighters, each expert lends years of experience to our developments and competent support services. From the beginning to the end of a project, comprehensive support and constant exchange with the customer ensure that all requirements for the individual design of aerials are fully and completely satisfied. The result is a true customer focus. And real satisfaction.





Service & support worldwide.

Our performance promise for your safety.

Committed to customer orientation.

Inspection and maintenance services ensure uniformly high quality of all Rosenbauer products. The focus is on flawless functionality, a long service life, and the safety of vehicles and equipment. This is achieved with a solid foundation of customized services that consistently focus on the customer's needs.

Full service, around the clock.

In operations, only 100% will suffice. Every piece of technology and equipment must work flawlessly. Every tool ready for action. And when something does fail, firefighters want it back in operation as quickly as possible. One call to Rosenbauer is all it takes for a technician to arrive within 24 hours from the nearest Rosenbauer Service Station.



High service quality.

Every fire department has unique requirements. To address this effectively, Rosenbauer structures its services to be modular. Services are adapted optimally to the needs of each fire department. As a result, your fleet of vehicles and equipment is maintained and supported on-time and in the most optimal way possible.

Reliable partner.

You can expect fairness and customer-orientation throughout your dealings with Rosenbauer. Rosenbauer guarantees the availability of original spare parts for many years to come. This provides a solid foundation for high operational safety of all vehicles and equipment.

Highly qualified, practical, personal.

Technicians from Rosenbauer Service & Support are highly qualified experts who are ready to handle inspections, maintenance, repairs, and product training whenever you need them. Many of them are active firefighters themselves and they know the requirements. This experience and years of collaboration with customers result in personalized communications and a solid foundation of knowledge about your vehicles and equipment.



■ Service Center ■ Service Partners ○ more than 50 service partners

Rosenbauer ensures that you can depend 100% on your vehicle and equipment during operations. To this end, Rosenbauer provides you with maintenance, customer service, and refurbishment through a service network consisting of factory-owned subsidiaries and international service partners in more than 100 countries around the world.



