

Pfaff Verkehrstechnik Roof Working Platforms for Electric Buses: For Safe Mobility



CASO
COLUMBUS MCKINNON

**YOUR PARTNERS
IN MOTION CONTROL**

Pfaff Verkehrstechnik: Safe and secure to meet your highest expectations.

Pfaff Verkehrstechnik follows a clear path: We help to ensure that nothing unplanned happens between the departure and arrival of a vehicle.

Pfaff Verkehrstechnik offers a range of products for this purpose, such as lifting jacks, underfloor lifting systems, roof working platforms, and workshop equipment for state-of-the-art transport vehicles in a wide variety of designs.

All equipment fully complies with international standards and meets our own exacting quality levels.

This creates the perfect conditions for our customers and allows you to maintain and repair vehicles safely, quickly, and ergonomically. We are also fully aware that different tasks call for individual solutions.

The Pfaff-silberblau brand enjoys a 150-year tradition of innovation. It has a worldwide reputation for high-quality products in the field of lifting technology. The first underfloor lifting system for rail vehicles was built back in the 1960s. Since then, numerous customers in the

global transport industry have placed their trust in products made by what is now Pfaff Verkehrstechnik GmbH.

The comprehensive range of services reflects our firm belief in strong partnerships. Expert advice, independent product solutions, consulting up to turnkey systems, and reliable service are all hallmarks of Pfaff Verkehrstechnik services. Your benefits include a long product life cycle for your vehicles and a return on your investment within a short period of time.

Roof working platforms for buses: Individual, adjustable, safe.

Modern transport technology requires modern workplaces.

This is particularly true for the ongoing transformation of transportation, with an increasing diversity of transport fleets and the rising trend towards electric mobility. The regular inspection of electric buses poses new challenges for depots, workshops, and employees – work on vehicle roofs is becoming increasingly more frequent.

It is therefore all the more important to make future-proof investments in roof working platforms that can be used for all applications. Designed for your individual transport fleet, roof working platforms from Pfaff Verkehrstechnik are highly flexible and adaptable to any situation.

Customized roof working platforms from Pfaff Verkehrstechnik offer the highest safety for employees and technology. This excellence is based on a flexible and ergonomic design as well as comprehensive support, from initial planning of the working platform to commissioning. If required, Pfaff Verkehrstechnik can analyze the infrastructure and develop custom solutions for new buildings and for existing halls. Because the objective of Pfaff Verkehrstechnik is clear: Employees should feel as safe on roof working platforms as on the ground.



Roof working platforms for buses:

A perfectly implemented safety concept.

Safety is the top priority for Pfaff Verkehrstechnik.

This applies in particular to employee safety and also includes the operational safety of the fleet. The roof working platforms from Pfaff Verkehrstechnik are characterized by an overall ergonomic design and tailored solutions for each vehicle in the fleet. This allows mechanics to set up absolutely safe working conditions at all times, even with mixed vehicle fleets including diesel, hybrid, and electric buses.

As the proportion of roof work increases, ensuring employee safety with personal protective equipment becomes ever more challenging. It is clearly not easy to work on or next to the rounded

plastic roof of an electric bus. Here, modern roof work platforms set new, high safety standards with a variety of innovative features. The ergonomically accessible vehicle roof, all-round guards, and the telescopic catwalks ensure that employees are safe. In short: Hazardous areas where people could fall are minimized. In addition, mechanics are also protected during maintenance of the front and rear of the vehicle. Safety measures also help to avoid vehicle damage, thanks to the optimized design and flexibility of the roof working platforms, which can be adapted to all vehicle lengths and

heights. This prevents damage when maneuvering the vehicle, as well as from falling objects.

Another important effect of the safety measures: Short set-up times ensure a quick turnaround of the vehicles.

Safety equipment at the ends of the platforms: Adaptable to the length of the buses.



Roof working platforms for buses:

Minimum setup time, maximum operational readiness.

Roof working platforms from Pfaff Verkehrstechnik increase the profitability of your fleet. The cleverly engineered and designed platforms provide a closed and tidy workspace. Specialists can concentrate on their tasks and manage their work processes safely, comfortably, and efficiently. As a result, maintenance and repair work is carried out quickly, the fleet is back in service in no time and achieves longer running times in traffic operation.

Advantages of roof working platforms from Pfaff Verkehrstechnik:

- Minimum risk of falling due to an enclosed working area created by electromechanical extension modules
- No tripping areas and a tidy workspace
- Minimal obstruction of traffic routes due to a slim, clear design
- Optimized workflows with a wide range of options for temporary storage of tools and work equipment
- Highly automated roof working platforms ensure operational readiness at the push of a button



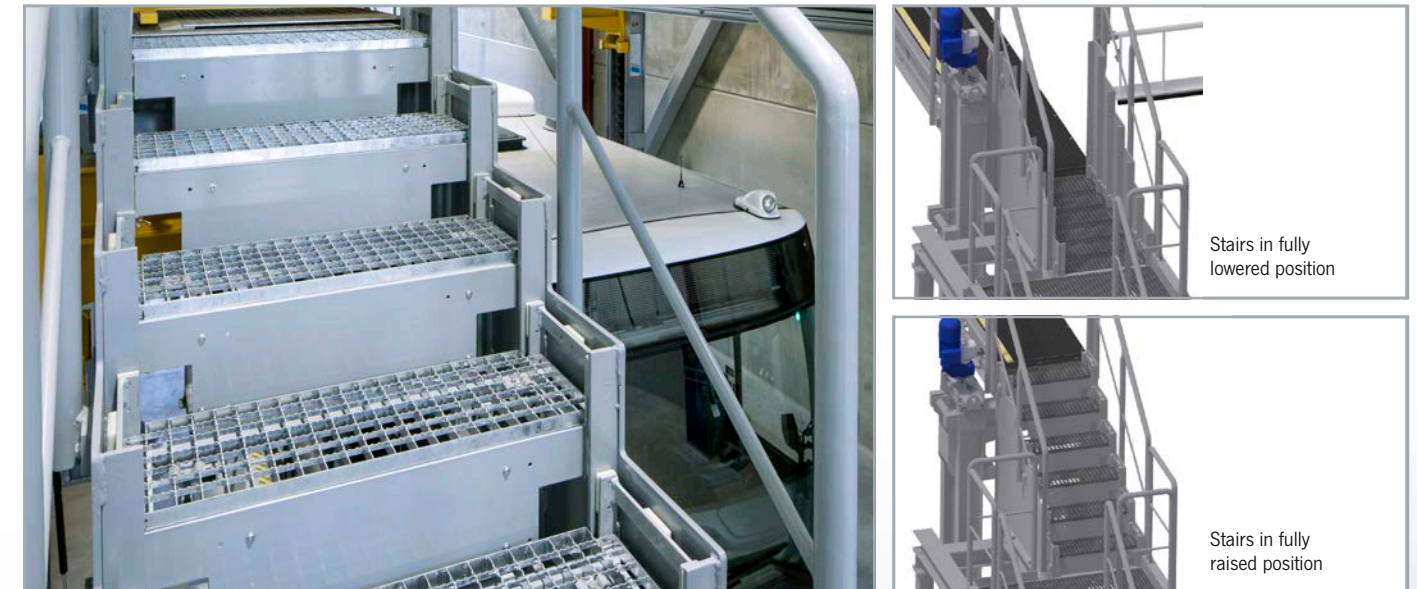
Extension elements: individual segments of 3 to 9 meters in length.

Roof working platforms for buses:

Lightweight construction, excellent quality.

Roof working platforms from Pfaff Verkehrstechnik always meet the highest engineering quality. Their modular principle allows you to select the modules you need to set up the perfect roof working platform for your transport fleet. The intelligent design and the high material quality ensure low wear and a long service life of the working platform.

As a result, the roof working platform from Pfaff Verkehrstechnik always provides a safe, comfortable, and ergonomic working environment. After all, a height adjustment between 1.5 and 4.5 meters, crane systems, and lighting under the platform are only a few of the many features that make work processes safe, faster, and easier for employees.



Adjustable stairs with correct step height: Guides employees safely to the workplace.



Height-adjustable platform design: Always at the ideal working height.



Removable front platform: Employees are also secured during maintenance of the front and rear of the vehicle.

Light crane system: Extensive range of accessories.

Our service: Safe and sound.

Service from Pfaff Verkehrstechnik always runs full speed ahead. As a welcoming result, operational safety of the lifting equipment remains in the forefront throughout its entire service life. Service is an integral part of our business for all systems. When a customer purchases our products, we in turn offer them a comprehensive range of support services. This comprises of expert support and advice, rapid delivery of spare parts and on-site installation and assembly services.

All stages of the product life cycle are fully covered with this knowhow and experience of Pfaff Verkehrstechnik.

Our tailor-made service contracts with professional preventive maintenance in mind help your business operations run reliably and economically. Needless to say, provision of wear and spare parts is assured at all times. Pfaff Verkehrstechnik is well known for its fast and prompt response time for the supply of individual and customized spare parts with a resounding effect.

As a result, customers can plan operations dependably and process orders quickly and reliably. Our skilled service technicians professionally install spare parts and optimally rectify the systems. Their specialized knowledge is always up to date and they are on site rapidly.



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