

PRODUCT CATALOG · 2026

Starke 1127 / 1121

Two-Post Parking Lift

A space-saving two-post parking lift that stacks two vehicles vertically, engineered by Pointer for safe, efficient parking in garages, valet services, and commercial vehicle storage.



Introduction



Starke 1127 and Starke 1121 are newly designed two-post parking stackers by Pointer, featuring a more efficient structure with a platform 100mm wider than the previous Hydro-Park 1127/1123 model — while requiring a smaller installation footprint.

Each unit provides two independent parking spaces; only the upper platform moves vertically, so the ground-level car must be moved aside to access the upper space. Suitable for permanent parking, valet parking, car storage, or other attended locations. Indoor operation is controlled via a wall-mounted key-switch panel; an optional outdoor-rated post and control panel are also available.

- Parking 2 cars above each other
- Lifting capacity 2,100kg (Starke 1121) or 2,700kg (Starke 1127)
- Standard platform width 2,200mm, expandable to 2,700mm
- Car height clearance up to 2,050mm
- Direct drive by German-structure hydraulic cylinder
- Mechanical anti-falling locks protect the platform and allow multiple stopping heights
- Synchronization chain keeps the platform level under all conditions
- 24V control circuit protects users from electric shock
- Galvanized waving plates for excellent rust and skid resistance
- Anti-rust bolts & nuts pass 48-hour Salt Spray Test
- Akzo Nobel powder coating for long-lasting surface protection
- Top-class quality guarantee — CE certified by German TÜV

General Parts



1. Limit switch
2. Control box
3. Power pack
4. Hydraulic cylinder
5. Primary post
6. Carriage
7. Galvanized waving plate
8. Subsidiary post
9. Front support

Features

TUV compliant

Compliant with the most authoritative certification in the world — Certification standard 2006/42/EC and EN 14010.

Low usage cost

When the platform moves down it is driven by gravity, so no electricity is consumed by the hydraulic power pack.

Wider platform

The standard Starke 1127/1121 provides 2,200mm of usable width, expandable to 2,700mm, for the easiest possible parking.

Less space occupied

Even with a wider usable platform, the overall footprint of the Starke 1127/1121 remains smaller, saving installation space.

Modular connection, innovative shared-post design

The Starke two-post parking lift features a shared-post design, allowing multiple units to be combined based on usage needs.

Flexible operation location

The operation panel can be placed on the wall or another convenient position close to the lift.

New hydraulic system with German structure

A stable, reliable design that avoids maintenance issues, with double the lifetime of the previous system.

Galvanized pallet

Far more durable than it appears, with more than double the lifetime. Galvanized waving plates ensure excellent rust and skid resistance.

Zero-accident security system

An all-new, upgraded security system designed to reach zero accidents.

Dynamic locking device

The moving platform is held by mechanical locks on the post, protecting cars from falling.

More stable electric motors

A newly upgraded power pack unit system.

Features (continued)

Further strengthened main structure

Steel plate thickness and weld joints have increased by 10% compared to the previous generation.

Gentle metallic touch, excellent surface finishing

AkzoNobel powder coating significantly improves color saturation, weather resistance, and adhesion.

Rich color

Special care is taken in the lacquer finishing process to maximize surface appearance quality.

Strong adhesion

Special spray-powder technology improves weather resistance and wear durability.

Superior chains from a Korean chain manufacturer

20% longer lifespan than domestic chains.

Galvanized screw bolts to European standard

Longer lifetime and significantly higher corrosion resistance.

Unique hydraulic centralized control (optional)

A complete shared power-pack-unit solution.

Laser cutting + robotic welding

Precise laser cutting improves part accuracy, and automated robotic welding produces stronger, cleaner weld joints.



Specifications

General

Model	Starke 1127	Starke 1121
Vehicles parked per unit	2	2
Rated capacity	2,700kg	2,100kg
Available car length	5,000mm	5,000mm
Available car width	1,950mm	1,950mm
Available car height	2,050mm	2,050mm
Drive mode	Hydraulic cylinder	Hydraulic cylinder
Operation	Key switch	Key switch
Lifting speed	< 55s	< 55s
Descending speed	< 45s	< 45s
Power supply	100-480V, 1/3P, 50/60Hz	100-480V, 1/3P, 50/60Hz
Finishing	Powder coating with Akzo Nobel powder	Powder coating with Akzo Nobel powder

Hydraulic

Model	Starke 1127	Starke 1121
Pump motor power	2.2Kw	2.2Kw
Pump flow	2.6 ML/r	2.6 ML/r
Pump working pressure	16-17 MPa	16-17 MPa
Hydraulic cylinder	Italian Aston seals	Italian Aston seals
Hydraulic oil	L-HV 46#	L-HV 46#
Balance chain	LH1066	LH1066

Safety Devices



- Mechanical anti-falling safety lock on each post holds the platform to prevent falling
- New, unique carriage mechanism keeps the platform level whether parking forward or in reverse
- 24V electric lock release — harmless to the operator
- Electric protection against power overload or under-voltage
- Automatic locking system in case of electrical failure
- Emergency stop button halts platform movement instantly
- Pressure relief valve & throttle valve
- Limit switch at the top of the post automatically stops the platform at the set height, preventing incorrect operation
- Synchronization chain keeps the platform balanced at all times
- Electric protection for power overload or under-voltage

Dimensions

Model	Starke 1127	Starke 1121
Total width (2,200mm clear platform)	2,529mm	2,529mm
Clear platform width	2,200mm	2,200mm
Overall length	3,990mm	3,766mm
Platform offset	1,681mm	1,681mm
Available car height	up to 2,050mm	up to 2,050mm

Note: clear platform width can be increased up to 2,700mm — see the Width Calculation chart for total footprint at each option.

Width Calculation

Width dimensions, single unit (2 cars)

Unit A

Total width	Clear platform
2,529mm	2,200mm
2,629mm	2,300mm
2,729mm	2,400mm
2,829mm	2,500mm
2,929mm	2,600mm
3,029mm	2,700mm

Unit A + B

Total width	Clear platform
4,913mm	2,200mm
5,113mm	2,300mm
5,313mm	2,400mm
5,513mm	2,500mm
5,713mm	2,600mm
5,913mm	2,700mm

Unit A + B + B

Total width	Clear platform
7,297mm	2,200mm
7,597mm	2,300mm
7,897mm	2,400mm
8,197mm	2,500mm
8,497mm	2,600mm
8,797mm	2,700mm

Notes

- Clear platform width of 2,200mm fits car widths up to 2,000mm. For large touring sedans, a clear platform width of at least 2,300–2,700mm is recommended.
- Per ISO 3864, the floor must be marked with a 100mm wide yellow-black strip at a distance of 500mm from the platform edge, performed by the purchaser according to local regulations.
- The lowering speed of an empty platform is considerably slower than that of a loaded one.
- Channels, undercuts, or concrete haunches along floor-to-wall joints are not permitted; where unavoidable, the system width must be reduced or the installation width increased.

Surface Finishing



Powder coating is applied as a free-flowing, dry powder. It is typically applied electrostatically and then cured under heat, allowing it to flow and form a smooth, durable “skin.”

The result is a hard finish that is tougher and more durable than conventional paint.

Notes

Scope of application

Suitable for residential buildings, office buildings, business premises, and hotels — for long-term users instructed on system operation. For frequently changing users (e.g. office, hotel, or business premises): parking on ground level only; periodic technical adjustments and consultation with Pointer are required.

Temperature

The installation is designed to operate between +5°C and +40°C, at up to 50% relative humidity at +40°C. If local conditions differ, please contact Pointer.

Protection against corrosion

Maintenance must be carried out per Pointer's cleaning and maintenance instructions. Clean galvanized parts and platforms of dirt, road salt, and other pollutants regularly to avoid corrosion.

Fire safety

All fire safety requirements and mandatory equipment (fire extinguishing and alarm systems, etc.) are to be provided by the customer.

Electrical installation preparation

Cabling preparation is performed by the customer up to the main switch, compliant with local regulations, with connections required every 10 meters. Connection to the main switch and system functional testing during installation can be performed by the customer's electrician.

Parking

Drive the car backward onto the platform, avoiding collision with the control arm and side beams. Engage the brake once parked. Open doors carefully to avoid collision with the waving plates and side beams. Lift to the appropriate position — the platform locks automatically. Before parking another vehicle underneath, confirm the platform is above the vehicle's height.

Noise protection

Minimum sound insulation $R_w = 57$ dB. Walls bordering the parking system must be single-wall and deflection-resistant (min. 300 kg/m²); the ceiling above must be at least 400 kg/m². Additional sound absorption (e.g. separated sole plates) should be provided by the customer.

Railings

Where walkways run directly alongside or behind the system, railings must be provided per EN ISO 13857 and local requirements, with a minimum height of 200cm.

Maintenance



Lubricate the guide rail and guide pulley once per month.



Lubricate the balance chain once per month.

Change all hydraulic oil three months after first operation; change again every nine months thereafter.



Frequently check the screw nuts fixing the electromagnet and locking plate — tighten immediately if loose.

If any noise comes from the electromagnet, replace it as soon as possible.

The seal in the hydraulic cylinder should be replaced every two years.

The roller and sliding block should be replaced every two years.

The valve element in the solenoid valve and the filter in the power unit should be cleaned every six months.



Before operation, check the electromagnet connector and tighten if loose. Test the top limit switch and photocell sensor — repair or replace if not working.



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