

SP04 Single Post Lift

HIGH-PERFORMANCE MOBILE / STATIONARY LIFTING SOLUTION

PRODUCT OVERVIEW

The **SP04 Single Post Lift** is engineered for maximum space efficiency, reliability, and accessibility in modern automotive service centers and detailing bays. Designed with an ergonomic footprint, it provides unobstructed side access to vehicle undercarriages, making it ideal for tire service, brake jobs, fluid changes, and vehicle inspections.

TECHNICAL SPECIFICATIONS

Parameter	Specification Details
Model Designation	SP04 Single Post Lift
Lifting Capacity	4,000 kg (8,818 lbs)
Max Lifting Height	1,850 mm (72.8 inches)
Lifting / Lowering Time	Approx. 50 seconds / 40 seconds
Power Supply	220V / 380V, 50/60Hz, Single / 3-Phase
Motor Power	2.2 kW Hydraulic Power Unit
Base Footprint Dimensions	1,700 mm x 1,650 mm

KEY PERFORMANCE FEATURES

Compact Footprint

Optimized for tight workshop layouts, maximizing floor space utilization without sacrificing stability.

Unrestricted Access

Single-column design eliminates door-opening obstructions and allows full side-access to vehicle interiors.

SAFETY STANDARDS & MECHANICAL PROTECTIONS

Safety is paramount in heavy automotive maintenance. The SP04 incorporates rigorous multi-level safety mechanisms designed to protect operators and equipment:

Automatic Mechanical Safety Locks

Engages automatically at multiple height intervals during ascent to eliminate reliance on hydraulic pressure alone during servicing.

Overload & Flow Control Valves

Integrated hydraulic pressure relief valve prevents overloading beyond the 4,000 kg rating, while velocity fuses regulate descent speeds in case of hose compromise.

Dead-Man Controls

Low-voltage 24V control panel requires constant operator input for motion, ensuring immediate halt upon release.

APPLICATIONS & WORKSHOP SUITABILITY

The SP04 is versatile across multiple automotive sectors, proving indispensable in:

- **Quick-Lubrication & Oil Change Bays:** Fast cycle times speed up vehicle throughput.
- **Tire & Wheel Alignment Shops:** Easy wheel-free access simplifies suspension and tire work.
- **Detailing & Body Repair:** Unobstructed profile lets technicians easily maneuver polishers and tools.

SYSTEM ARCHITECTURE & BREAKDOWN DESCRIPTION

[Structural Schematic Layout]

1. High-Tensile Steel Column | 2. Heavy-Duty Carriage Slide Blocks
3. Direct-Drive Hydraulic Cylinder | 4. Adjustable Lifting Arms & Pads

All structural members are electro-statically powder-coated for corrosion resistance in harsh industrial environments.