

# LIFTING TECHNOLOGY TWO POST INGROUND LIFT

**ZS SQUARE II 3.5 P**  
VP 252196



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The two post inground lift, with runway, lifts cars and vans of up to 3.5 t. The runway lift, with electro-hydraulic SQUARE lifting unit, is optimally suited for the quick lifting of vehicles. An axle jack for the wheel-free lifting of vans can also be added thanks to the already present rails. Optional: Conversion to vehicle reception or wheel alignment lift as well as various types of installation (flush-mounted runway, with or without floor compensation). The torsion-resistant SQUARE posts guarantee maximum safety and outstanding tensile strength.

### PRODUCT DETAILS/ACCESSORIES

Description:

Two-post in-floor lift with driving platforms

Description of driving platform:

- Driving platform length 4400 mm ideal for cars and small transporters
- Ample freedom of movement below the lifting platform thanks to the compact post-lifting unit and resulting optimum lighting below the raised vehicle
- Optionally, can be upgraded to vehicle check-in lift with axle play tester to inspect chassis assemblies
- Optional conversion to chassis measurement lift with precisely aligned driving platforms, sliding plates for tension-free wheel support, driving platform levelling and axle measurement supports
- A high-quality powder-coated platform covering assists in corrosion protection and adds a significant upgrade in terms of appearance
- Optional driving platform coating with granulate coating or aluminium panelling
- Additional corrosion-resistant treatment in the seam region and body cavity-sealing increases the service life
- Pre-integrated compressed air connection and optional 230V/1PH energy supply in runways
- All cables are protected inside the SQUARE post
- Optional, no-dazzle rotatable LED lighting
- Various assembly variants for optimum use:
  - Driving platform resting on floor with low drive-on height and platform movement area with no tripping hazard edges
  - Driving platforms flush with floor to facilitate driving onto the lift, no protruding assemblies in the lift area
  - Driving platforms flush with floor to facilitate driving onto the lift, no protruding assemblies in the lift area with complete floor levelling of the platform movement area with no tripping hazard edges
- Runways and ground levelling pre-equipped for the use of an

optional axle lift

- Pinch point and shear point protection thanks to CE stop

SQUARE lift unit:

- Outstanding rigidity and optimum safety thanks to torsion-resistant square post
- Very quiet pump and very quiet electric motor in corrosion-proof oil-submerged design, optionally with bio oil
- Electronic lift control with no-contact, wear-free limit switches and visual error display
- Very smooth running due to special long-life nickel coating on posts that promotes sliding, with robust, low-maintenance post design
- Protected internal hydraulic safety cylinder guarantee lengthy service life
- Mobile synchronisation and safety yoke for careful distribution of force in the post guide as standard
- High lifting/lowering speeds are guaranteed (max. 30/20 s)
- Battery-operated emergency lowering
- Optimisation of workplace ergonomics mentioned thanks to optional, standard-independent control via traffic-light energy module or flush-mounted switching system

Scope of delivery:

- Driving platform 4400 mm, powder-coated Anthracite Grey (RAL 7016)
- Lift unit with hydraulic assembly
- Ramps and drive-on plates
- Rapid-action compressed-air coupling mounted on driving platform
- Wiring and mounting material
- Lift unit with movable yoke
- Installation box/installation frame not included in delivery
- Emergency DOWN cable for connection to switch box
- Control unit with 2 x 10 m control cables (flexible oil cables)
- Lockable master switch
- Operating manual and test log
- EC Declaration of Conformity CE

### TECHNICAL DATA

Load capacity CE

3500 kg

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Dimensions of driving	
platform (L x W x H)	4400 x 617 x 126 mm
Inner drive-through width	840 mm
Total dimensions (L x W x H)	5471 x 2074 x 126 mm
Max. lifting height	2016 mm
Post dimensions, square	180 mm
Post spacing	1350 mm
Installation depth	2382 mm
Lifting/lowering time depending on load	approx. 30/20 s
Hydraulic oil volume (not included)	approx. 28 l
Operating pressure	180 bar
Control unit (H x W x D)	320 x 220 x 120 mm
Drive power	3.0 kW
Fuse gG	16 A
Power supply	3/N/PE 400 V 50 Hz

### ACCESSORIES

#### ACCESSORIES RAMPS/ROLL-OFF SAFETY BARS (not for Design- and Modul Runways)

VZ 972425	Flush-fitted Runway Install. Drive-over Flaps instead of Drive-on Ramps (4 pcs.)
VZ 972153	Auto chocks (2 pcs.), only for flush-fitted installation of runways
VZ 972424	Roll-off Protection, Hinged (MAHA) only for Runways w. Foundation Install. (2 pcs.)
VZ 972150	Exit ramp, for above-floor installation, length 1000 mm

#### ACCESSORIES FOR RUNWAYS

VZ 990432	LED Illuminant, 2 pcs (1 pcs per each Runway)
VZ 990433	LED Illuminant, 4 pcs (2 pcs per each Runway)
VZ 990012	Shockproof socket 230 V, integrated into runway (only in combination w. lighting)
VZ 990199	Safety Switch for Lift in conjunction with Brake Testers MAHA
VZ 975181	Compressed-Air Servicing Unit with Fastening Angle (0 - 10 bar)

#### ACCESSORIES RUNWAY COVER

VZ 975013	Runways with Granulate Coating -Extra Charge
VZ 972274	Runway panelling with aluminum sheets Runway length 4400 mm

#### AXLE JACK, PLEASE SEE SEPARATE PRICELIST!

#### ACCESSORIES FLUSH-FLOOR RUNWAY 4.400 mm

VZ 972145	Floor compensation, pneumatic, for runway 4.4 m
VZ 972275	Floor cover panelling with aluminum sheets Runway length 4,400 mm
VZ 972497	Installation frame for runway 4.4 m with floor compens. ZS SQUARE II 3.5 t

#### ACCESSORIES RUNWAYS WITH PLAY DETECTOR

VP 985007	Axle Play Detector, PMS 3/X for Installation in Front of Scissors Lift
VP 985024	Axle Play Detector, Model: PMS 3/XL with Lowerable Prism Blocks

VZ 995021	Installation Costs for Standard Installation of Play Detector -NET PRICE-
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#### ACCESSORIES RUNWAYS FOR WHEEL ALIGNMENT

VZ 972107	Levelling legs, adjustable, working height approx. 1200 mm
VZ 972115	Telescopic Levelling Legs for 2 positions (min. 1375 mm, max. 1700 mm)
VZ 975026	Sliding Plates (2 pcs.) LxWxH: 1060 x 570 x 50 mm
VZ 970027	Sliding Plates (2 pcs.) Long Version LxWxH: 1465 x 570 x 50 mm
VZ 975027	Aluminium Covers for Sliding Plates (2 pcs.)
VZ 971316	Sliding Plates Precision (2 pcs.) LxWxH: 1150x600x50 mm
VZ 975032	Compensating plates (2) for equipment without turning plates

#### ACCESSORIES RUNWAYS 4400 mm COMPENSATING PLATES

VZ 975626	Set of compensating plates for turntables and sliding plates with granulate coating
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#### INSTALLATION BOXES

VZ 972555	Installation tub for lifts 1350 mm cylinder distance MODEL: EW SA 1350
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#### SUPPLEMENTARY CHARGES

VT 998027	Transportkosten Zwei-Stempel Fahrflächen Hebebühne
VT 998028	Transportkosten für Bodenausgleich oder Fahrflächen
VT 998029	Transportkosten für Fundamentrahmen (Stempel-Hebebühne)
VT 998005	Transportkosten Einbauwanne EW SA 0/EW SA 1350/EW SA 1580 pro Stück
VM 996155	Montagekostenpauschale für Zweistempel-Hebebühne mit Fahrfläche
VM 996020	Montagekosten Bodenausgleich bei Einbau in Zwei-/Vier Stempel-Fahrflächen-Hebebühne
VM 996213	Montagekosten Einbauahmen für bodenebene Fahrflächen brücke

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VM 999035 Hydraulic Oil (HLP-D 22) per Litre -NET PRICE  
VM 999036 Environmental-Friendly Hydr. Oil (PE-B 30), per  
litre -NET-

VV 997046 Packing Charges Post Inground Lift within Europe  
VV 995110 Extra Charge for Driving Platforms of Two-  
Cylinder Lift -within Europe-