

# LIFTING TECHNOLOGY

## TWO POST INGROUND LIFT

**ZS SQUARE II 3.5 PF**  
VP 252197



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The two post in-ground lift, with runway, lifts cars and vans of up to 3.5 t. The runway lift, with electro-hydraulic SQUARE lifting unit and scissors wheel-free jack for lifting via the sill, is optimally suited for the quick lifting of vehicles. The runway for vehicles, with a 3800 mm wheelbase, is equipped with a wheel-free jack. 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 and wheel-free jack

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
- Post lift with two lifting variants in one work area
  - Rapid lifting at wheels for inspection or chassis measurement
  - Lifts car wheels from surface, wheels exposed for repair or inspection, lifting distance 500 mm
- Wheel-free jack extension elements infinitely adjustable while jack is in its starting position, thereby eliminating the need for time-consuming jacking for set-up and functioning as an interim means of stopping the jack from moving backwards in emergency cases
- Lift can be driven onto easily thanks to wheel-free jack platforms with full driving platform width
- Wheel-free jack holder fully granulate-coated as standard
- Optionally, can be upgraded to vehicle check-in lift with driving platform levelling for level driving, 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 and wheel-free jack 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

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- 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
Load capacity CE wheel-free jack	3500 kg
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 217 mm
Max. lifting height	2016 mm
Lifting distance, wheel-free jack	500 mm
Wheel-free jack lengthways holder, continuous	1325 - 2042 mm
Wheel-free jack crosswise holder	840 - 2074 mm
Wheel-free jack installation height	56 mm
Post dimensions, square	180 mm
Post spacing	1350 mm
Installation depth	2382 mm
Lifting/lowering time depending on load	approx. 30/20 s
Lifting/lowering time of wheel-free jack depending on load	approx. 11/11 s
Hydraulic oil volume (not included)	approx. 28 l
Operating pressure/wheel-free jack	180/210 bar
Control unit (H x W x D)	400 x 280 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)
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#### ACCESSORIES RUNWAY COVER

VZ 975013	Runways with Granulate Coating -Extra Charge
VZ 972274	Runway panelling with aluminum sheets Runway length 4400 mm
VZ 970100	Wheel-free jack panelling with aluminum sheets

#### ACCESSORIES FOR FLAT LIFTING HEADS

VZ 975069	Plastic Chocks (4 pcs.) (47 x 132 x 340 mm)
VZ 975634	Rubber Chocks Set pyramidal h=80 mm, 120x120 mm (4 pcs.) MODEL: GK 12/8 set
VZ 975927	Rubber Chocks Set pyramidal h=40 mm, 120x120 mm (4 pcs.) MODEL: GK 12/4 set
VZ 975586	Rubber pads flat 100 x 150 x 20 mm (4 pieces)

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

#### ACCESSORIES FLUSH-FLOOR RUNWAY 4.400 mm

VZ 972145	Floor compensation, pneumatic, for runway 4.4 m
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- 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-

#### 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 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 975624 Set of compensating plates for turntables and  
sliding plates with granulate coating

- VZ 975041 Compensating Plates for Levelling of Wheel-Free  
Jack (runway 4.4m) granulate coat.
- VZ 975628 Compensating Plates for Levelling of Wheel-Free  
Jack with Aluminium cover

#### INSTALLATION BOXES

- VZ 972555 Installation tub for lifts 1350 mm cylinder  
distance MODEL: EW SA 1350

#### 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 Einbaurahmen für bodenebene  
Fahrflächen brücke
- 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-