

# 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

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- 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              |
| 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                |
| Postdimensions, 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

|           |   |           |   |
|-----------|---|-----------|---|
| VZ 972425 | Flush-fitted Runway Install. Drive-over Flaps instead of Drive-on Ramps (4 pcs.)    | VZ 975013 | Runways with Granulate Coating -Extra Charge                                |
| VZ 972153 | Auto chocks (2 pcs.), only for flush-fitted installation of runways                 | VZ 972274 | Runway panelling with aluminum sheets Runway length 4400 mm                 |
| VZ 972424 | Roll-off Protection, Hinged (MAHA) only for Runways w. Foundation Install. (2 pcs.) | VZ 970100 | Wheel-free jack panelling with aluminum sheets                              |
| VZ 972150 | Exit ramp, for above-floor installation, length 1000 mm                             | VZ 975069 | Plastic Chocks (4 pcs.) (47 x 132 x 340 mm)                                 |
| VZ 990432 | LED Illuminant, 2 pcs (1 pcs per each Runway)                                       | VZ 975634 | Rubber Chocks Set pyramidal h=80 mm, 120x120 mm (4 pcs.) MODEL: GK 12/8 set |
| VZ 990433 | LED Illuminant, 4 pcs (2 pcs per each Runway)                                       | VZ 975927 | Rubber Chocks Set pyramidal h=40 mm, 120x120 mm (4 pcs.) MODEL: GK 12/4 set |
| VZ 990012 | Shockproof socket 230 V, integrated into runway (only in combination w. lighting)   | VZ 975586 | Rubber pads flat 100 x 150 x 20 mm (4 pieces)                               |
| VZ 990199 | Safety Switch for Lift in conjunction with Brake Testers MAHA                       | VZ 972145 | Floor compensation, pneumatic, for runway 4.4 m                             |
| VZ 975181 | Compressed-Air Servicing Unit with Fastening Angle (0 - 10 bar)                     | 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  |

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|           |   |           |   |
|-----------|---|-----------|---|
| VP 985007 | Axle Play Detector, PMS 3/X for Installation in Front of Scissors Lift              | VT 998239 | Internal transport -SOUTHTwo-/Four-post lift with runways                           |
| VP 985024 | Axle Play Detector, Model: PMS 3/XL with Lowerable Prism Blocks                     | VT 998240 | Internal transport -NORTHTwo-/Four-post lift with runways                           |
| VZ 995021 | Installation Costs for Standard Installation of Play Detector -NET PRICE-           | VT 998241 | Internal transport -SOUTHFoundation frame for runway                                |
| VZ 972107 | Levelling legs, adjustable, working height approx. 1200 mm                          | VT 998242 | Internal transport -NORTHFoundation frame for runway                                |
| VZ 972115 | Telescopic Levelling Legs for 2 positions (min. 1375 mm, max. 1700 mm)              | VT 998237 | Internal transport -SOUTHInstallation tub (1 - 4 pcs)                               |
| VZ 975026 | Sliding Plates (2 pcs.) LxWxH: 1060 x 570 x 50 mm                                   | VT 998238 | Internal transport -NORTHInstallation tub (1 - 4 pcs)                               |
| VZ 975027 | Aluminium Covers for Sliding Plates (2 pcs.)  | VM 996155 | Montagekostenpauschale für Zweistempel-Hebebühne mit Fahrfläche                     |
| VZ 971316 | Sliding Plates Precision (2 pcs.) LxWxH: 1150x600x50 mm                             | VM 996020 | Montagekosten Bodenausgleich bei Einbau in Zwei-/Vier Stempel-Fahrflächen-Hebebühne |
| VZ 975032 | Compensating plates (2) for equipment without turning plates                        | VM 996213 | Montagekosten Einbaurahmen für bodenebene Fahrflächen brücke                        |
| VZ 975624 | Set of compensating plates for turntables and sliding plates with granulate coating | VM 999035 | Hydraulic Oil (HLP-D 22) per Litre -NET PRICE                                       |
| VZ 975041 | Compensating Plates for Levelling of Wheel-Free Jack (runway 4.4m) granulate coat.  | VM 999036 | Environmental-Friendly Hydr. Oil (PE-B 30), per litre -NET-                         |
| VZ 975628 | Compensating Plates for Levelling of Wheel-Free Jack with Aluminium cover           | VV 997046 | Packing Charges Post Inground Lift - within Europe -                                |
| VZ 972555 | Installation tub for lifts 1350 mm cylinder distance MODEL: EW SA 1350              | VV 995110 | Extra Charge for Driving Platforms of Two-Cylinder Lift -within Europe-             |

### SUPPLEMENTARY CHARGES