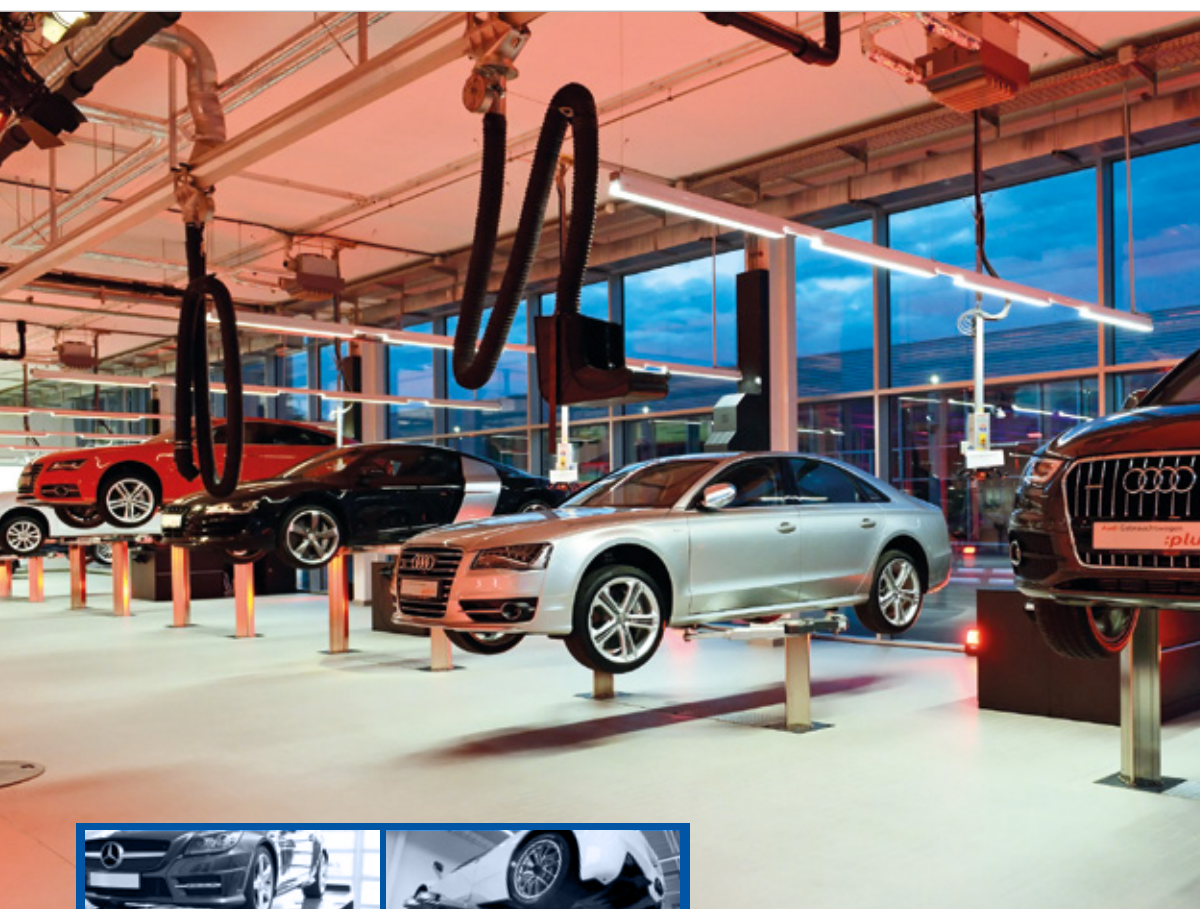


In-Ground Lifting Technology

**Models: ZS SQUARE II 3.5 – 6.5 • VS SQUARE II 5.0 – 10.0
ZS VARIO 3.5 – 5.0 • ES SQUARE II 3.0**

for vehicles with a gross weight of up to 10.0 t



Lifting technology

- ▶ Space-saving technology
- ▶ Optimal for working on vehicles of all types
- ▶ Robust and durable
- ▶ Versatile options with extensive accessories programme
- ▶ Rapid lifting

Premium Workshop
Equipment

Welcome to MAHA, the leading workshop equipment manufacturer



MAHA Maschinenbau Haldenwang GmbH & Co. KG manufactures high-tech products in the fields of motor vehicle testing and workshop equipment. Motorcycles, passenger cars, commercial vehicles and special vehicles are measured and tested on MAHA test stands throughout the world.



MAHA workshop equipment covers the full range, from lifts to service devices and the latest exhaust gas measuring technology. The option of networking individual test devices to universal test lanes makes MAHA a competent technology partner for vehicle manufacturers, testing organizations and workshops around the globe.

Despite all the high technology, MAHA has not forgotten that business is done locally. That's why branches and agencies in over 150 countries around the world provide the best possible care to local customers.

Individual support and flexibility are the strengths of MAHA. Over more than 45 years, they have turned the company into a global player in the international testing business. We have a duty to carry on this work and to continue to provide customized solutions and investment security.

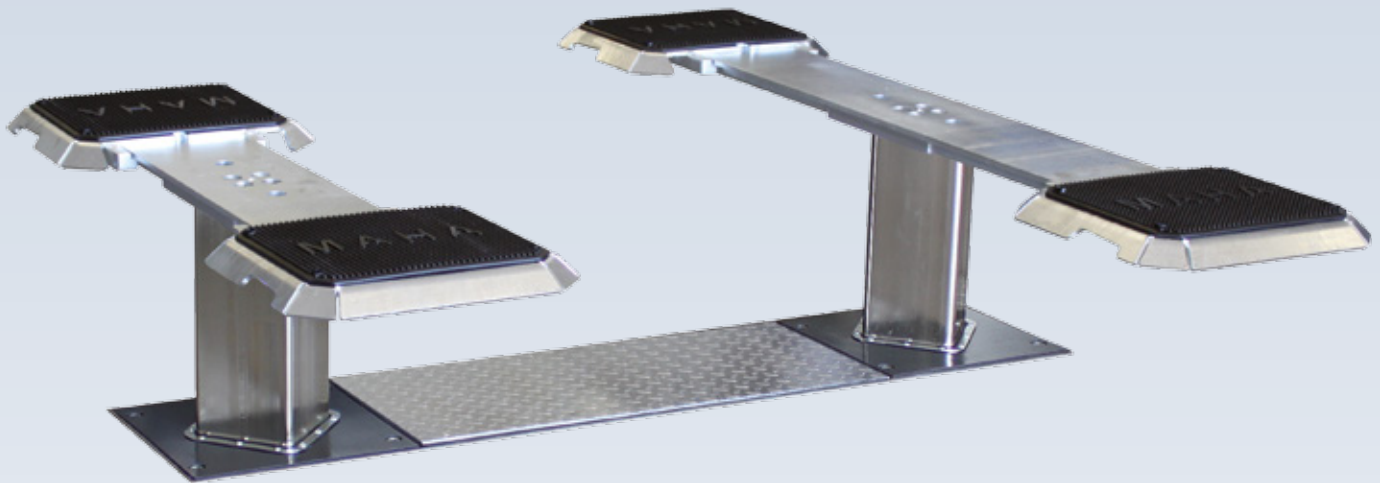
MAHA in-ground lifting technology & accessories

Summary

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	Swing arm lifts	3.5 t	6 – 7
	Swing arm lifts, flat	3.5 t	8
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Two-post lift with 3.5 t flat lifting head supports

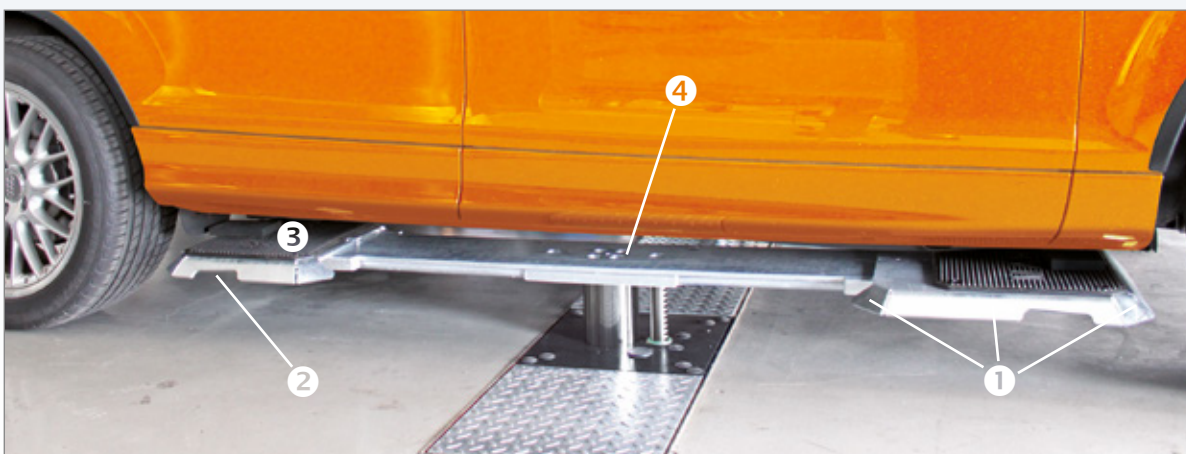
Model: ZS SQUARE II 3.5 FT (VP 252188)
ZS 94 medium-pressure lifting units



- Lift with flat lifting heads, extensions and rubber pads
- Asymmetrical extensions with large lateral adjustability and low minimum height
- Supports are hot-dip galvanized

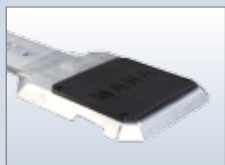
Load capacity	3500 kg
Max. lifting height	1960 mm
Raising/lowering time, dependent on load approximately	30/20 s
Cylinder distance	1350 mm
Extension range in latch steps	1400 – 2000 mm
Transverse support area	880 – 1820 mm
Rubber pad size	355 x 400 mm
Overall lifting height	60 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

- 1 Extensions with surrounding chamfered runners
- 2 Handles for easy adjustment of extensions
- 3 Modular system with different extension versions
- 4 Central beams that benefit from modern steel plate technology

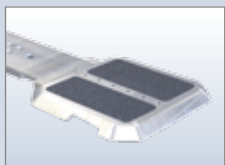


The extensions with special rubber pads are ideal for lifting vehicles quickly and reliably.

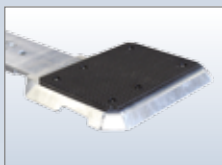
Extensions – available models



Extended support in approach direction with rubber pad, 1400 – 2200 mm 2x VZ 972452



Flat head support with granular coating for low overall height VZ 972423



Large support plate for internal support points VZ 972453

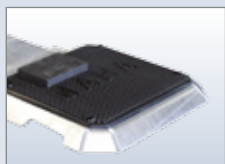


Aluminium flat support bridge extensions for an extension of up to 2200 mm (1 set 4 pieces) VZ 972512

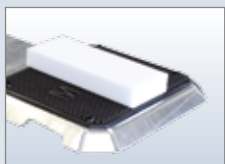


Shortened flat head support, for example 1150 – 1750 mm for the Smart VZ 972416

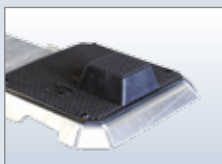
Support blocks for supporting individual vehicles



Flat rubber support 20 mm high VZ 97586



Ductile plastic blocks VZ 975069



Pyramid block for highly accurate support and high freedom of movement under the vehicle VZ 975632



Rubber plate and pyramid block matched by nub profile

Flush mounted flat head support

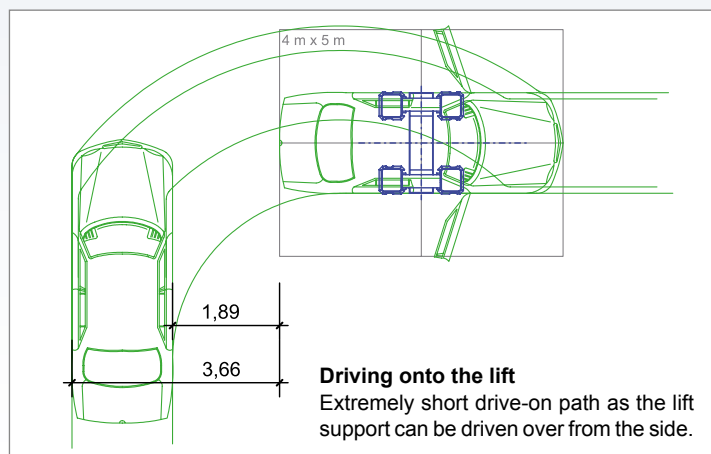


To make it easy to drive over the flat head support

Extensions are adjustable in the frame for quick raising and lowering of the lift. With special mounting frame D-ER (VZ 972420) and only for lengthened extensions (2 x VZ 972452)

Working on the lift

Maximum use of space and complete door freedom let you work effectively on the vehicle

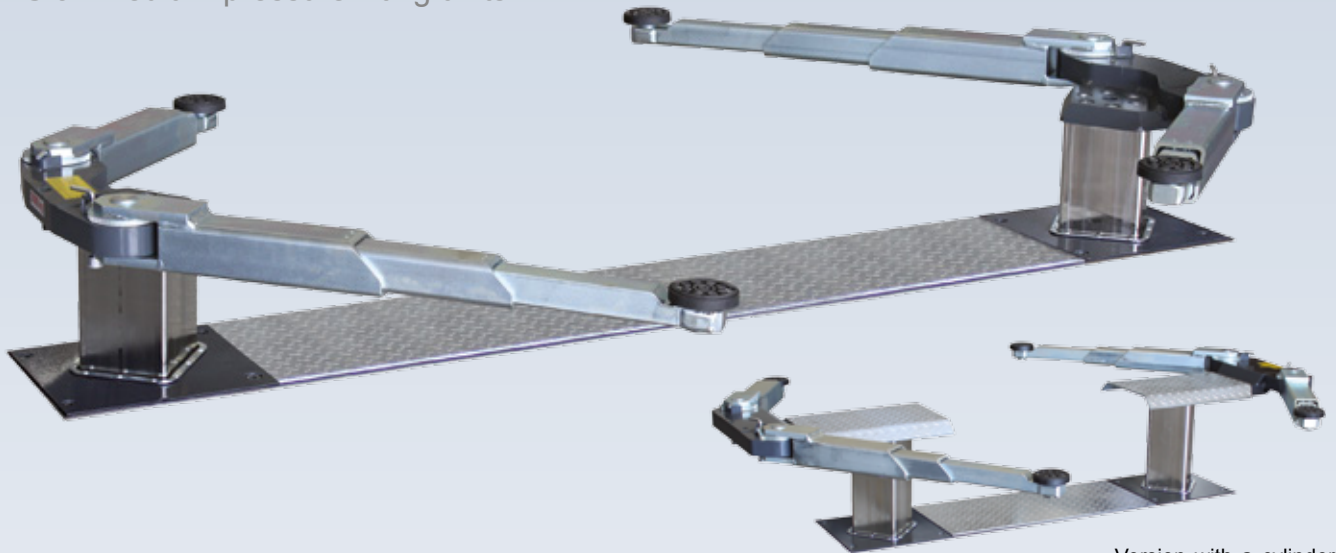


Flexible working under the vehicle

No risk of tripping and no uneven ground

Two-post lift with 3.5 t swing arm supports

Model: ZS SQUARE II 3.5 SG (VP 252237)
 ZS SQUARE II 3.5 S (VP 252238)
 ZS 94 medium-pressure lifting units



Version with a cylinder distance of 1350 mm
 VZ 972470

- Swing arm lift with continuously extendable support arms
- Support disc is height adjustable using a thread and plug-in system
- Support arm restraint is automatically self-releasing at ground level

Load capacity	3500 kg
Max. lifting height	2006 mm
Raising/lowering time, dependent on load approximately	30/20 s
Cylinder distance	2500 / 2300 / 1350 mm
Swing arm extension range	560 – 1140 mm
Adjustable support disc	75 – 106 +50 mm
Drive-over height	77 / 89 / 101 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

- 1 Easy movement of the lift through the 270° swing range of the support arms
- 2 Support arm restraint can be operated from above
- 3 Continuously extendable, triple-telescopic support arms



The support disc of the swing arm can be positioned very accurately at the appropriate lifting points under the vehicle.

Flexible support disc systems



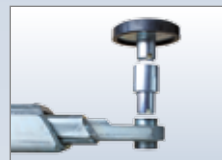
Fine adjustment of the support disc in the 25 mm area thanks to small thread pitch



Support disc height extenders, 50 mm (VZ 971220) or 100 mm (VZ 971221)



Support disc height extenders, 150 mm (VZ 971222) or 200 mm (VZ 971223)



High flexibility and safety using the MAHA support disc plug-in system (standard)



For lifting round and V-shaped vehicles (VZ 971226)



Mandrel for lifting vehicles using the drill holes in the vehicle frame (VZ 975601)



Frame slipping protection for positioning on rubber support discs (VZ 975050)



Vehicle support for G-class no treadplate (VZ 971227)



Vehicle support for G-class with treadplate (VZ 971520)

Rims protected during vehicle entry

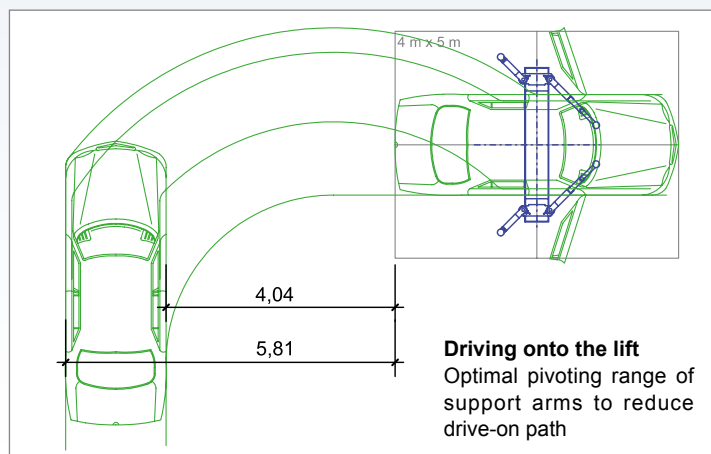


◀ No release, for a cylinder spacing of 2300 or 2500 mm

100 mm released ▶



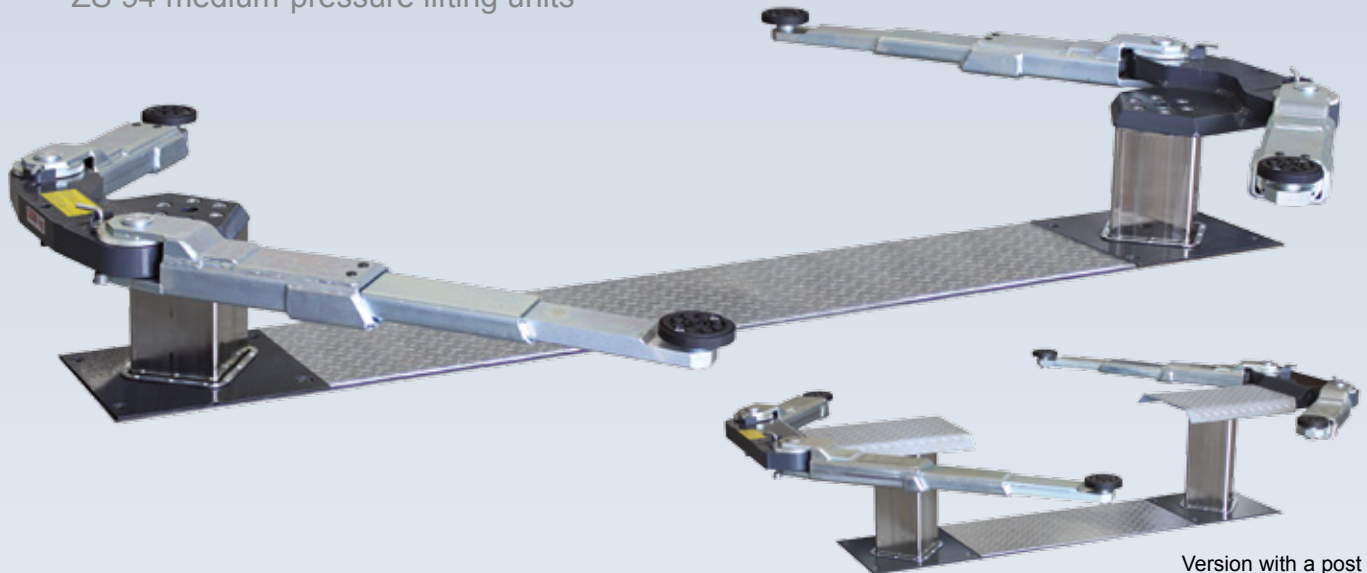
Working on the lift



Maximum use of space and complete door freedom let you work effectively on the vehicle.

Two-post lift with 3.5 t swing arm supports

Model: ZS SQUARE II 3.5 SPG (VP 252239)
 ZS SQUARE II 3.5 SP (VP 252240)
 ZS 94 medium-pressure lifting units

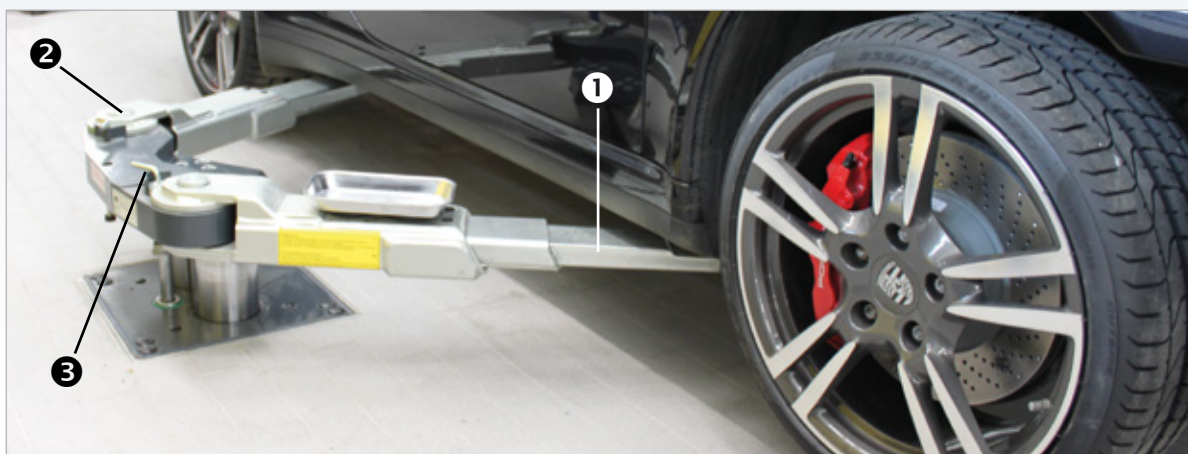


Version with a post distance of 1350 mm
 (VZ 972470)

- Flat swing arm lift with rubber support discs
- Flat support arm extensions for lifting a wide range of vehicles, especially suitable for sports cars

Load capacity	3500 kg
Max. lifting height	1997 mm
Raising/lowering time, dependent on load approximately	30/20 s
Post distance	2500 / 2300 / 1350 mm
Swing arm extension range	530 – 1020 mm
Adjustable support disc	73 – 97 +50 mm
Drive-over height	58 / 65 / 84 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

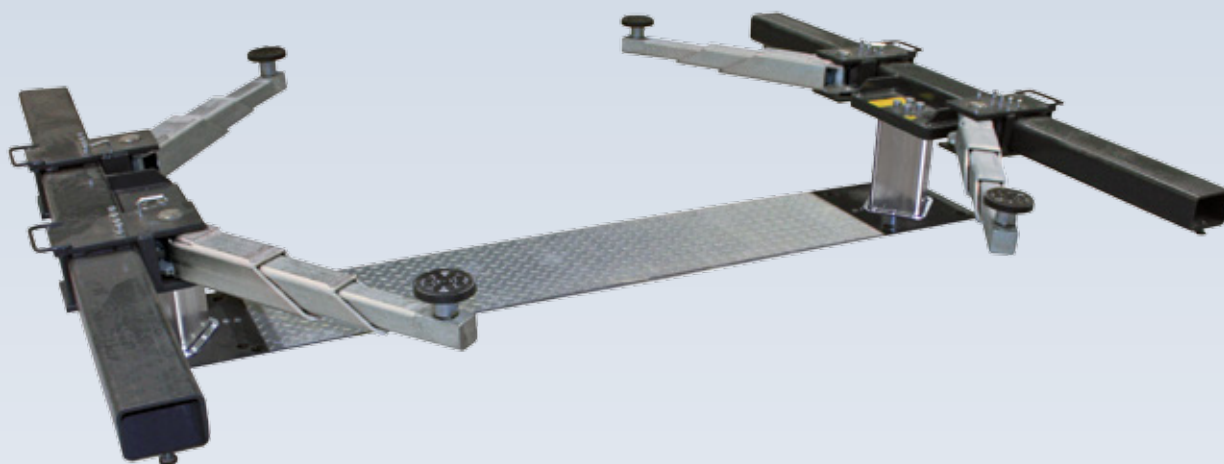
- ❶ Low overall height of support arm extensions
- ❷ Large and turning point distance that is suitable for lifting vehicles with low wheelbases and small support areas
- ❸ Support arm restraint can be operated from above



Easy positioning of support disc supports thanks to the low overall height of the swing arms.

Two-post lift with 3.2 t straightening bench supports

Model: ZS SQUARE II 3.2 straightening bench (VP 252193)
ZS 94 medium-pressure lifting units



- Straightening bench swing arm lift with rubber support discs
- High flexibility and safety using the MAHA support disc plug-in system
- Support arm restraint is automatically self-releasing at ground level

Load capacity	3200 kg
Max. lifting height	2023 mm
Raising/lowering time, dependent on load approximately	30/20 s
Cylinder distance	2300 mm
Swing arm extension range	395 – 765 mm
Adjustable support disc	123 – 145 +50 mm
Drive-over height	110 / 120 / 132 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

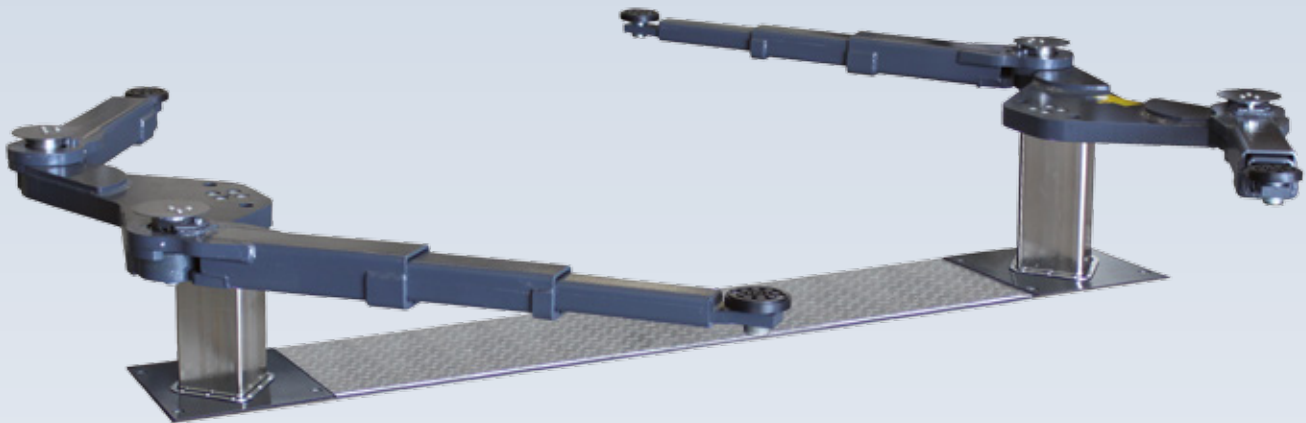
- ❶ Swing arms can additionally be moved forward and backward thanks to the large longitudinal beams
- ❷ Support arm restraint is easy to operate from above for lifting the vehicle off the straightening bench



Easy positioning of the straightening bench beam. The rectangular vehicle supports provide ample freedom of movement under the vehicle and on the straightening bench.

Two-post lifts with 4.0 t swing arm supports

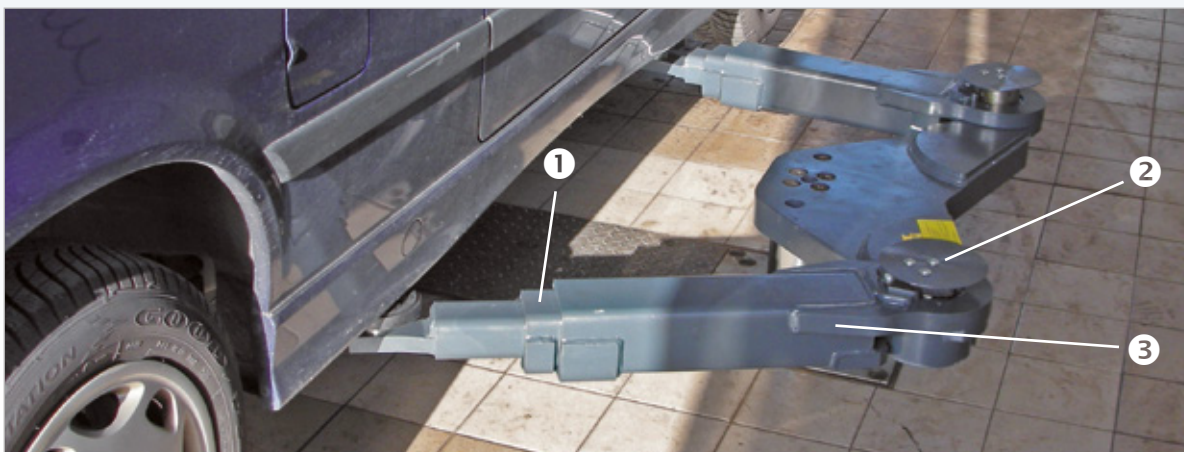
Model: ZS SQUARE II 4.0 KS (VP 252194)
ZS 4 medium-pressure lifting units



- 4 t swing arm for transporters and passenger cars, with rubber support discs
- Smooth-running swing arm extensions thanks to the bending edge design
- Support disc height extension using a thread and plug-in system

Load capacity	4000 kg
Max. lifting height	2018 mm
Raising/lowering time, dependent on load approximately	35 s
Cylinder distance	2300 mm
Swing arm extension range	672 – 1271 mm
Adjustable support disc min.	118 / 130 mm
max.	130 / 156 +50 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

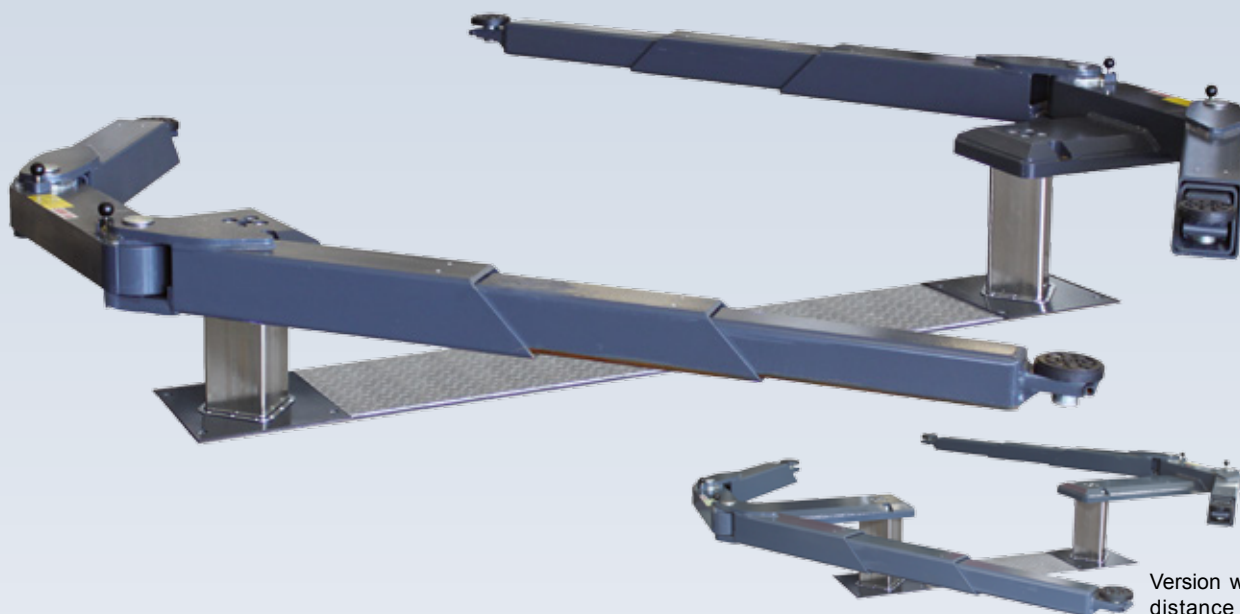
- ❶ With a very large support area for supporting transporters and passenger cars, including ones with small support clearances
- ❷ Support arm restraints are covered, automatically self-releasing at ground level and can be operated from above for readjustment
- ❸ Low overall height thanks to the optimally manufactured swing arm supports



Swing arm system with a very large support area!

Two-post lifts with 5.0 t swing arm supports

Model: ZS SQUARE II 5.0 KS (VP 252215)
ZS 5 medium-pressure lifting units



Version with a cylinder distance of 1350 mm
VZ 972470

- 5 t swing arm lift for transporters, with rubber support discs
- Support disc height extension using the plug-in system and threads for fine adjustment
- Automatic support arm restraint is self-releasing at ground level and can be operated from above for readjustment

Load capacity	5000 kg
Max. lifting height	2038 mm
Raising/lowering time, dependent on load approximately	35 s
Post distance	2300 / 1350 mm
Swing arm extension path	850 – 1880 mm
Adjustable support disc	118 – 138 +50 mm
Drive-over height	127 / 139 / 151 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

- ❶ Long swing arms to support large, heavy transporters
- ❷ Swing arm pivot point set to the outside for vehicles with small support clearances
- ❸ Continuously extendable swing arms



Mobile column lift support VZ 971348

Two-post lift with 6.5 t swing arm supports

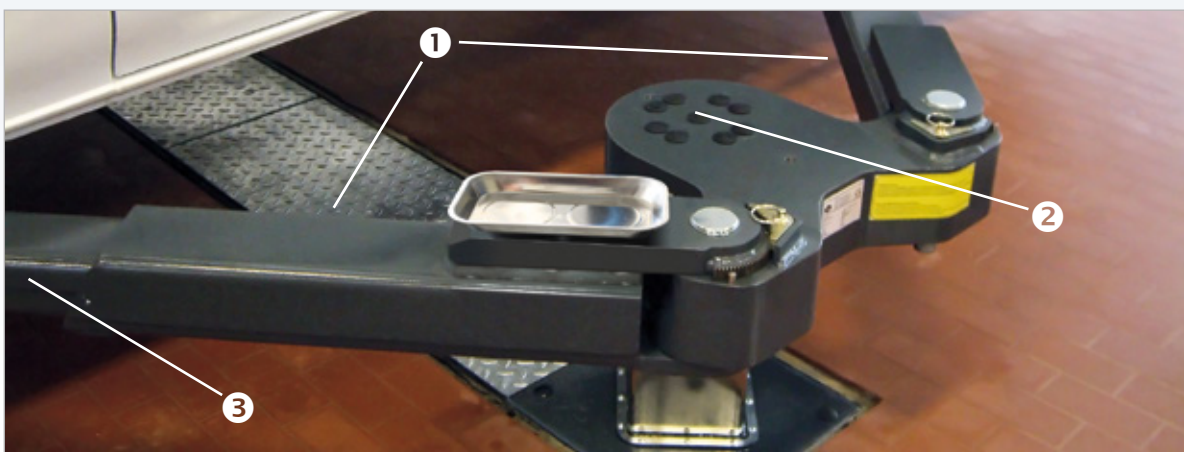
Model: ZS SQUARE II 6.5 KS (VP 252214)



- Swing arm lift for transporters, with rubber support discs
- Smooth-running swing arm extensions
- Support disc height extension using a thread and plug-in system

Load capacity	6500 kg
Max. lifting height	2017 mm
Raising/lowering time, dependent on load approximately	35 s
Cylinder distance	2700 mm
Swing arm extension range	885 – 1858 mm
Adjustable support disc	123 – 163 +50 mm
Drive-over height	134 / 137 / 137 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

- 1 With very large support area for lifting transporters
- 2 Optimum drive-on thanks to large cylinder distance (2700 mm)
- 3 Low overall height thanks to the optimally manufactured swing arm supports



Driveover height on the support disc of 117 mm

Two-post lift with lowerable swing arm supports

Suitable for ZS 94 and ZS 5 series in loads of 3.5 t or 5.0 t standard and 3.5 t for sports cars



Fully covered swing arm support, can be driven over with a wheel load of 2 t



Opening and closing of the cover is supported by a pneumatic damper system



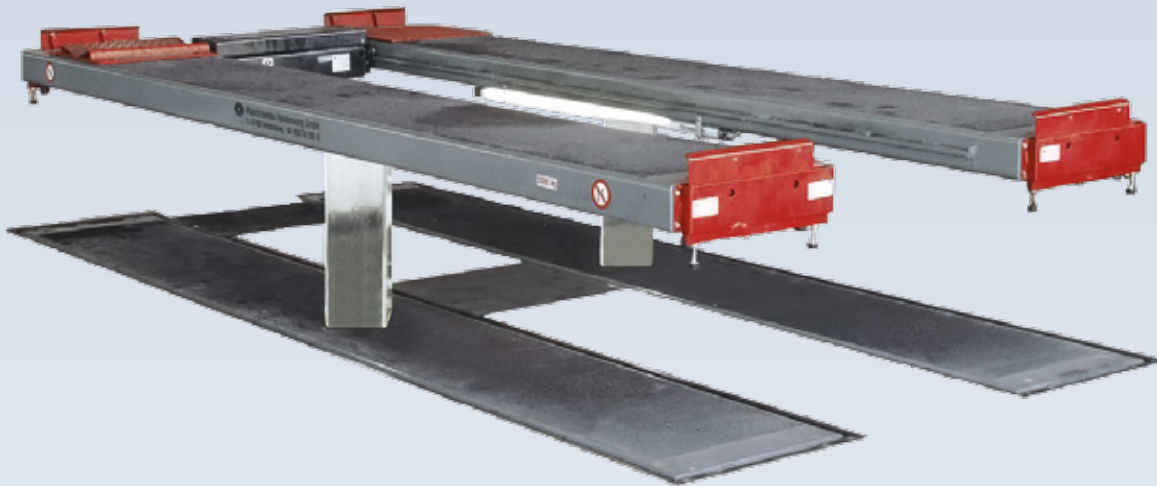
Frame system with cover plate, fully hot-dip galvanized



With closed covers, the lift can be used as a standard lift

Two-post lift with runways

For the VS SQUARE II 5.0 – 6.5, ZS VARIO, ZS SQUARE II 3.5 – 5.0, ZS 94 and ZS 5.0 medium-pressure lifting unit series



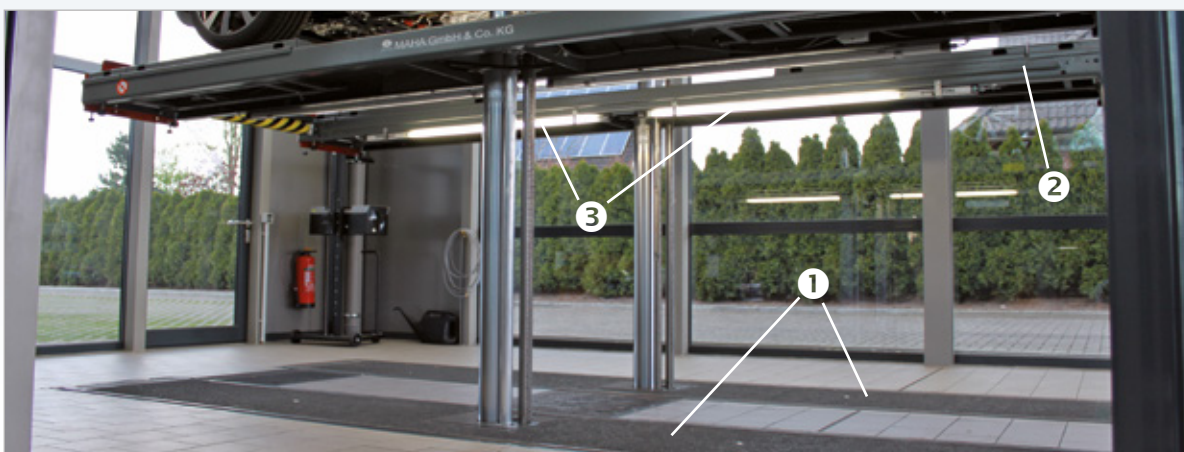
Runway lifts are the most suitable thanks to:

- ▶ High freedom of movement under the vehicle
- ▶ Space is available for tool trolleys
- ▶ Light can get under the vehicle and the lift
- ▶ Transparent customer dialog is possible at the time of vehicle reception

Configuration possibilities:

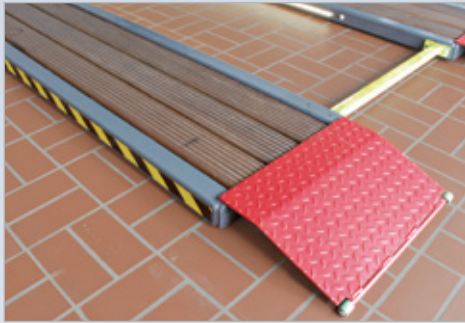
Runway coating	Powder coating, granular coating or aluminum sheets
Runway modules	Wooden, lattice or steel running surfaces are possible
Runway installation	Flush mounted, flush mounted with floor compensation, mounting frame
Axle play detector	Standard or with prism jaws that can be offset
Wheel alignment set	Runway supports, sliding plates
Compensating plates	for various applications

- 1 Ample freedom of movement thanks to floor compensation, especially suitable for dialog with customers
- 2 All runways are equipped with axle lift rails (except modular runway)
- 3 Lighting on the inside of runways (optional)



The wheel-free jack is shown on page 20

The ideal runway lift for any requirement



Attractive design for the customer area



A versatile inspection lift for all applications



Highly accurate as a wheel alignment lift



Ample space under the vehicle



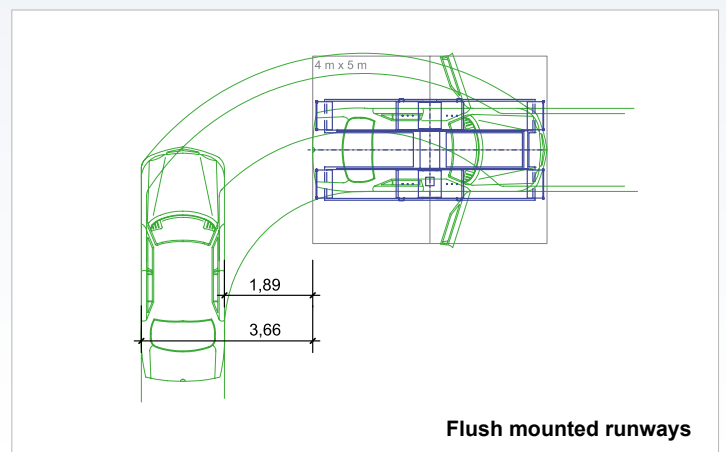
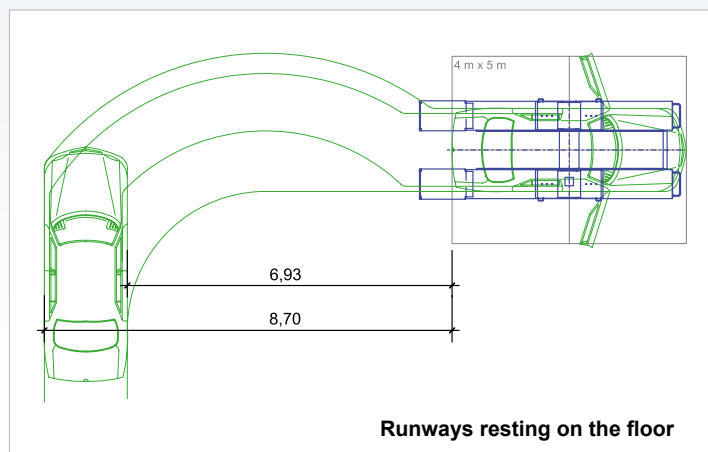
Flat workshop floor



Ample freedom of movement under the runway with high stability

Professional workshop planning for efficient work

For example, the drive-on path is many times shorter in the flush mounted design



		Application			Runway *A						Wheel-free jack *A		
		Repair	Reception dialog	Wheel alignment	Working load of the runway in kg	Wheel contact surface *B	Lifting widths of runways	Max. lifting height of the runway without A-Set	Lifting height of the runway with ground leveling	Overall lifting height *C	Flat head / Platform Sill lifting	Swing arm Frame sill lifting	Axle lift (option)
Four-post lifts													
VS SQUARE II 10.0	VP 452090	++	++	-	10000	5400 (5950)	950-2550	2066	-	225	-	-	max. 4.0 t
VS SQUARE II 6.5	VP 252219	++	++	+++	6500	4800 (5350)	950-2210	2050	1815	175	-	opt. SWA - 6.5 t	max. 4.0 t
VS SQUARE II 6.5 F	VP 252220	++	++	+++	6500	4800 (5350)	950-2210	2050	1815	175	S - 3.5 t	-	max. 4.0 t
VS SQUARE II 5.0	VP 252221	++	++	+++	5000	3900 (4400)	950-2210	2050	1815	175	-	-	max. 4.0 t
VS SQUARE II 5.0 F	VP 252222	++	++	+++	5000	3900 (4400)	950-2210	2050	1815	175	S - 3.5 t	-	max. 4.0 t
Post in post lifts													
ZS VARIO 5.0 S	VP 252174	++	+	-	5000	4500 (5000)	1050-2250	1965	-	160	-	SWA - 5.0 t	max. 2.6 t
ZS VARIO 5.0 FT	VP 252175	++	+	-	5000	4500 (5000)	1050-2250	1965	-	160	FT - 3.5 t	-	max. 2.6 t
ZS VARIO 3.5 F	VP 252115	++	++	++	3500	3800 (4400)	840-2074	2000	1815	126	P - 3.5 t	-	max. 2.6 t
ZS VARIO 3.5 MF	VP 252119	++	+++	-	3500	3950 (4400)	900-2160	1950	-	80	P - 3.5 t	-	-
ZS VARIO 3.5 FT	VP 252116	++	++	+	3500	3800 (4400)	840-2074	2000	1815	126	FT - 3.5 t	-	max. 2.6 t
ZS VARIO 3.5 S	VP 252117	++	++	++	3500	3800 (4400)	840-2074	2000	1815	126	-	SWA - 3.2 t	max. 2.6 t
ZS VARIO 3.5 MSP	VP 252120	++	+++	-	3500	3950 (4400)	900-2160	1970	-	105	-	SP - 3.2 t	-
Two-post lifts													
ZS SQUARE II 5.0 PF	VP 252217	++	++	++	5000	4300 (4800)	950-2184	2050	1815	150	S - 3.5 t	-	max. 2.6 t
ZS SQUARE II 5.0 P	VP 252216	++	++	++	5000	4300 (4800)	950-2184	2050	1815	150	-	-	max. 2.6 t
ZS SQUARE II 3.5 PF	VP 252197	++	++	++	3500	3800 (4400)	840-2074	2016	1808	126	S - 3.5 t	-	max. 2.6 t
ZS SQUARE II 3.5 P	VP 252196	++	++	++	3500	3800 (4400)	840-2074	2016	1808	126	-	-	max. 2.6 t
ZS SQUARE II 3.5 M	VP 252183	+	+	-	3500	3950 (4400)	900-2160	1960	-	80	-	-	-

*A Dimensions from floor

*B Values during automatic roll-off protection

*C without lighting, wheel alignment supports, A-Set

S - Scissors wheel-free jack

P - Platform wheel-free jack

FT - Flat head wheel-free jack

SWA - Swing arm wheel-free jack

SP - Sports car wheel-free jack

Best application	+++
Correct application	++
Possible	+
Not possible	-

Two-post lift

with axle lift



ZS SQUARE II 3.5 / ZS SQUARE II 5.0

Two-post lift

with scissors wheel-free jack



ZS SQUARE II 3.5 PF

Two-post lift

with platform wheel-free jack



ZS VARIO 3.5 F

Lifting height (lifting travel) Wheel-free jack in mm	Accessories		Vehicle groups					
	Axle play detector	Wheel alignment and lowering system	Passenger car	Small passenger car	Sports car	SUV	Transporter	Large transporter
-	-	not possible	++	++	+	++	+++	+++
opt. 2040 (1900)	possible	accurate latch	++	++	++	++	+++	+++
445 (375)	possible	accurate latch	+++	++	++	++	+++	+++
-	-	accurate latch	++	++	++	++	++	-
500 (430)	-	accurate latch	+++	++	++	++	++	-
2140 (1800)	-	cond. possible	+	+	+	+	++	++
2060 (1800)	-	cond. possible	++	++	++	++	++	++
2060 (1860)	-	w. alignm. supp.	+++	+++	+++	+++	+	-
2060 (1860)	-	not possible	+++	++	++	++	+	-
2060 (1860)	-	w. alignm. supp.	++	++	++	++	+	-
2110 (1860)	-	w. alignm. supp.	++	+++	+++	+++	+++	-
2100 (1860)	-	not possible	++	+++	+++	+++	++	-
500 (445)	possible	w. alignm. supp.	++	++	++	++	++	++
-	possible	w. alignm. supp.	++	++	++	++	++	++
500 (445)	possible	w. alignm. supp.	+++	+++	+++	+++	+	-
-	possible	w. alignm. supp.	++	++	++	++	++	-
-	-	not possible	++	++	++	++	++	-

Vehicle groups

It is possible that an axle lift, special wheel-free jack and wheel-free jack accessories will need to be used.

Four-post lift

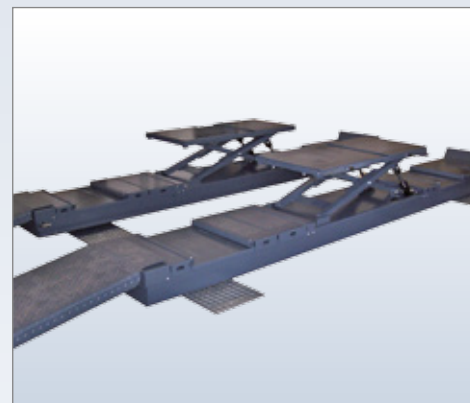
with axle lift



VS SQUARE II 6.5 / VS SQUARE II 5.0
with wheel alignment

Four-post lift

with scissors wheel-free jack



VS SQUARE II 6.5 F / VS SQUARE II 5.0 F

Two-post lift

with swing arm wheel-free jack



ZS VARIO 3.5 S

Two-post lift, commercial veh.

with swing arm wheel-free jack 5.0 t



ZS VARIO 5.0 S

Four-post lift, commercial veh.

with swing arm wheel-free jack 6.5 t



VS SQUARE II 6.5 F / ZS SQUARE II 6.5

ZS VARIO lifting situations



Lowered, making it easy to drive on with low ground clearance



Vehicle lifted by the wheels



Setting of wheel-free jack or wheel inspection from the side



Vehicle lifted by the sill

The universal lifts with runways and full wheel-free jacking are two lifts in one

These lifts can be used in workshops for almost any kind of work

Vehicle reception lift: These lifts are ideal for lifting vehicles quickly by the wheels. The lifting points for wheel-free jacking can be adjusted easily. The lighting in the runways ensures that there is sufficient light under the vehicle.

Wheel alignment lift: The runways can be equipped with wheel alignment supports. These supports are attached to the runways under the wheels, thus permitting very accurate lowering points. Our four-post lifts with latch locking system are optimal for quick measurement at all lifting heights.

Repair lift: If the runways have been fully lowered, all work can be carried out as on standard repair lifts. Flush mounted runways are the most suitable. If runways are left at half-height, they can also be used as workbenches

VS SQUARE II and ZS SQUARE II 6.5 lifting versions



Transporter workstation

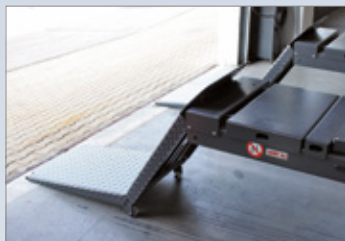


Drive-on ramps and roll-off protections

Runways resting on the ground



Standard drive-on ramp



Folding drive-on ramp for high runways or low drive-on angle



Standard U-bracket retainers

Flush mounted runways



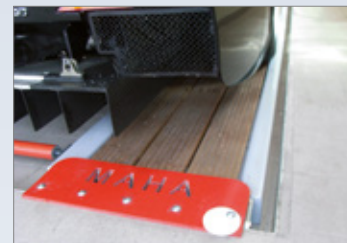
Drive-on flap for flush mounted runways



Automatic roll-off protection



Automatic folding roll-off protection



Floor compensation for runway lifts



The floor compensation under the runway is a second ground surface, which levels off the surface below the lift.

Mounting frame



Mounting frame for runway versions with or without floor compensation for accurate lift fitting. The prefabricated channel-section frame gives high precision during installation.

Wheel-free jack on runway lifts



Runway lifts with scissors wheel-free jack, sill supports, load capacity 3.5 t



Runway lifts with platform wheel-free jack, sill supports, load cap. 3.5 t



Runway lifts with flat head wheel-free jack, sill supports, load cap. 3.5 t



Runway lifts with swing arm wheel-free jack, frame and sill support, load capacity 3.2 t, 3.5 t or 5.0 t

Axle lift

An axle lift rail is mounted on all runways except on the modular runway. An opening for the axle lift is always included in the mounting frame for runways with floor compensation. A safety limit switch is used in the park position when the above mounting frame is ordered.



Axle lift AL II 2.0/2.6 PH, hydropneumatic with ergonomic controls (rotary handles), air cooling set is included in the delivery for axle lift orders.



Axle lift AL II 2.0/2.6 manual hydraulic

Axle play detector in runway lifts

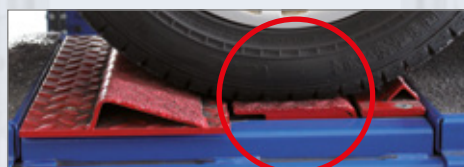


- ▶ Hydraulic power unit
- ▶ High test forces and defined movement ranges of test plates
- ▶ Quick detection of faults and wear on steering parts, wheel bearings, spring system and suspension

PMS 3/XL:

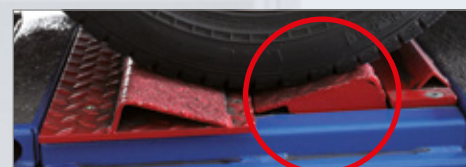
- ▶ In combination with the MAHA headlight tester positioned in front of the lift
- ▶ All four wheel contact surfaces of the vehicle are at the same height
- ▶ Rear half of prism is automatically raised and lowered synchronously with the lift

Lift lowered:



Rear half of the prism rear is automatically lowered, all four wheel contact points are at the same height

Lift raised:



Rear half of the prism is extended automatically for axle inspection

Radio hand lamp for axle play detector:

- ▶ Optimum handling thanks to small dimensions, L x W x H = 190 x 60 x 36 mm, light weight and ergonomic shape, non-slip, rubberized surface
- ▶ Housing has high breakage resistance
- ▶ Hand lamp with high luminous efficiency and low power consumption
- ▶ High capacity 3.6 VDC/2100 mAh battery (approximately 7 hours continuous lighting with fully charged battery, charging time approximately 6 hours for fully discharged batteries)
- ▶ A variety of fastening and storage options are provided by a loop, clip and (detachable) magnet
- ▶ Robust keypad for function keys



Runway lifts for wheel alignment

Runway support



Height adjustment at 1200 mm using wheel alignment supports. Telescopic wheel alignment supports 1375 mm – 1700 mm (optional).



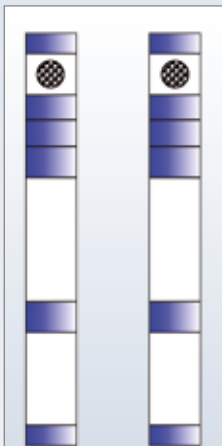
Safe and easy storage of runway supports in the runway.



Fastening system and locking device for runway support.



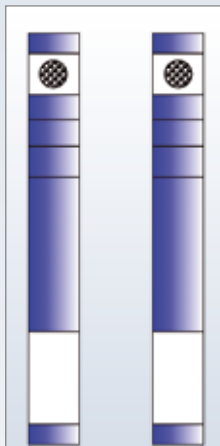
Shim sets for runway modularity



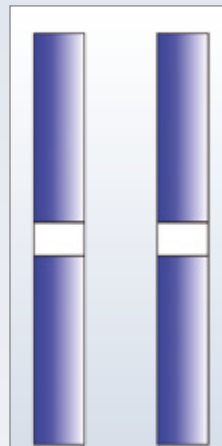
A-SET
Turntable, sliding
plates, wheel-free jack



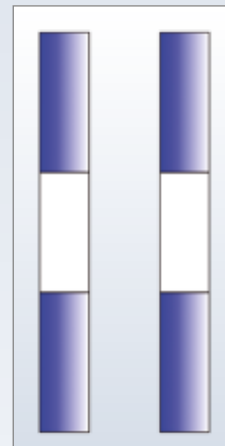
A-SET
Turntable, sliding
plates, swing arm



A-SET
Turntable, sliding
plates w/o w.-free jack



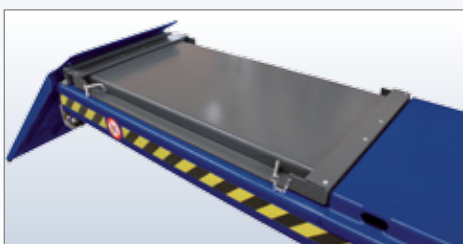
A-SET
Swing arm



A-SET
Wheel-free jack

Shim sets create uniform driving over the runway. These are given a non-slip coating.

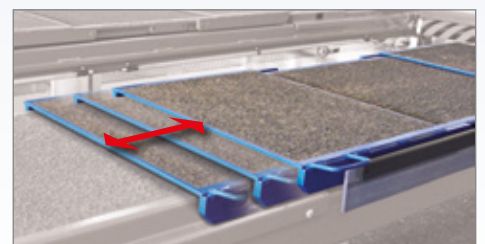
Sliding plates for wheel alignment



Sliding plates with transverse movement of 60 mm and rotation of 5°. Design lengths: 1060 or 1465 mm



Precision sliding plate
Minimal break-off torque 5 Nm and minimal push force 15 N, collection grooves for waste water.



The wheel-free jack extended to any length can be inserted into the sliding plates by any amount.

Runway surface and coating

All runway are cleaned by sandblasting before coating (electrostatic powder coating) – phosphating is then applied. The cavities are also conserved after assembly.

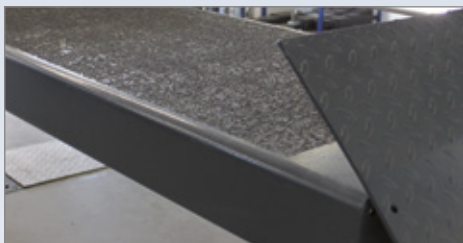
Additional corrosion prevention measures include:

- ▶ Zinc spray (corrosion protection) and paint protection (mechanical wear)
- ▶ Special primer and paint protection (powder coating)

These can be selected optionally:



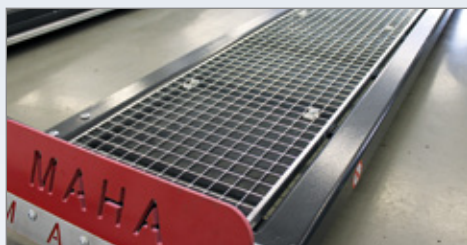
Standard powder coating



Powder coating with granular wheel contact surface



Runways with shims for leveling on wheel-free jacks or for wheel alignment



Runways with grids for washing bays and for use with studded tires

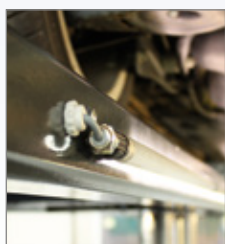


Runways with wooden covering for durable wheel tread and cutting edge design



Aluminum clad runways with folded edge for improved water runoff

Light under the vehicle!



Rotating LED lighting for easy adjustment of light direction for glare free vision.



One-post lift with 3.0 t swing arm supports

Model: ES SQUARE II 3.0 X (VP 252232)
ES medium-pressure lifting units



- One-post swing arm lift with rubber support discs
- Anti-twist SQUARE II post
- Vehicle freely accessible in the sill and engine area
- Support disc height adjustment using a thread and plug-in system
- Support arm restraint is automatically self-releasing at ground level

Load capacity	3000 kg
Max. lifting height	2005 mm
Raising/lowering time, dependent on load approximately	26 s
Swing arm extension range	624 – 1010 mm
Adjustable support disc	83 – 105 +50 mm
Drive-over height	77 / 89 / 101 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

- 1 Accurate positioning of the swing arm support disc
- 2 Easy drive-on thanks to narrow lifting supports (380 mm)
- 3 High flexibility and safety using the MAHA support disc plug-in system



Safe and smooth locking of support arms using a catch mechanism.

One-post lift with 3.0 t flat head supports

Model: ES SQUARE II 3.0 FT (VP 252231)
ES medium-pressure lifting units



- ▶ One-post flat head lift with rubber pads
- ▶ Anti-twist SQUARE II post
- ▶ Robust lift with rigid assemblies
- ▶ Asymmetrical extensions with large lateral adjustability and low minimum height
- ▶ Supports are hot-dip galvanized

Load capacity	3000 kg
Max. lifting height	1960 mm
Raising/lowering time, dependent on load approximately	26 s
Extension range in latch steps	1400 – 2000 mm
Transverse support area	880 – 1820 mm
Rubber pad size	355 x 400 mm
Overall lifting height	60 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

- 1 Extensions with surrounding chamfered runners
- 2 Gratings for removing water and dirt
- 3 Modular system with different extension versions



When the equipment is being used in washing and care areas, please note the recommended maintenance intervals.

One-post lift with 3.0 t wheel/sill support

Model: ES SQUARE II 3.0 WS (VP 252233)



- One-post lift with wheel/sill support
- Anti-twist SQUARE II post
- Particularly suitable for auto body work
- Vehicle freely accessible in the sill area
- Support hot-dip galvanized

Load capacity	3000 kg
Max. lifting height	1925 mm
Raising/lowering time, dependent on load approximately	26 s
Extension range in latch steps	1400 – 3400 mm
Overall lifting height	95 mm
Wheel fork drive-on height	40 mm
Drive-on height of plate support	25 mm
Crunch and pinch point protection	CE stop, audible signal
Power unit kW / V / A	3 / 400 / 16

- ❶ Easy drive-on thanks to low drive-on height
- ❷ Extensions with roller bearings, easily adjustable
- ❸ Lockable wheel fork when the sill support is used



Pushing the supports together allows vehicles to be lifted by the sills

Lift control

Control on the wall



Control box installed to the wall (standard)



Control box flush-mounted (optional)



Keypad with easy-access microswitches

Control from the ceiling using E-BOX

Control in the E-box directly at the workstation. With CE declaration and connected 5-metre cable set.



With the following upgrade version:

- Data socket
- Socket, 16A, 400 V
- 2 additional 230-volt sockets



E-box with extension to include a battery charger



Controlled via vertical control pillar and cable remote control



Control assembled on a control desk pillar for installation as required



Control with cable remote control



Fastening to column

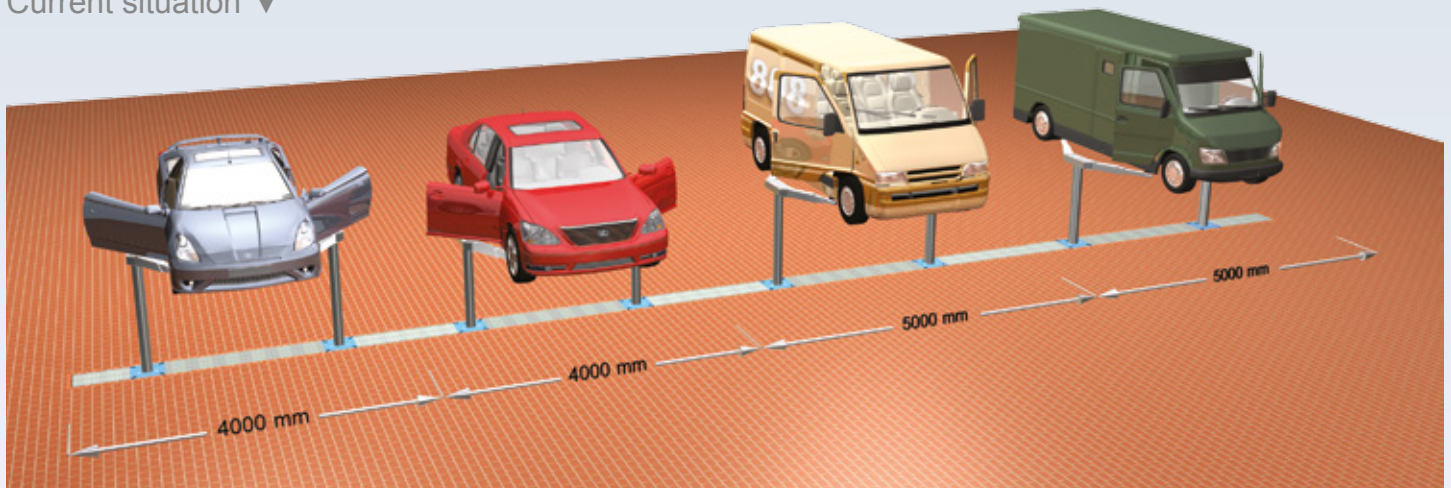
Megaflex installation system

Variable in-ground lift positioning, model: Megaflex system

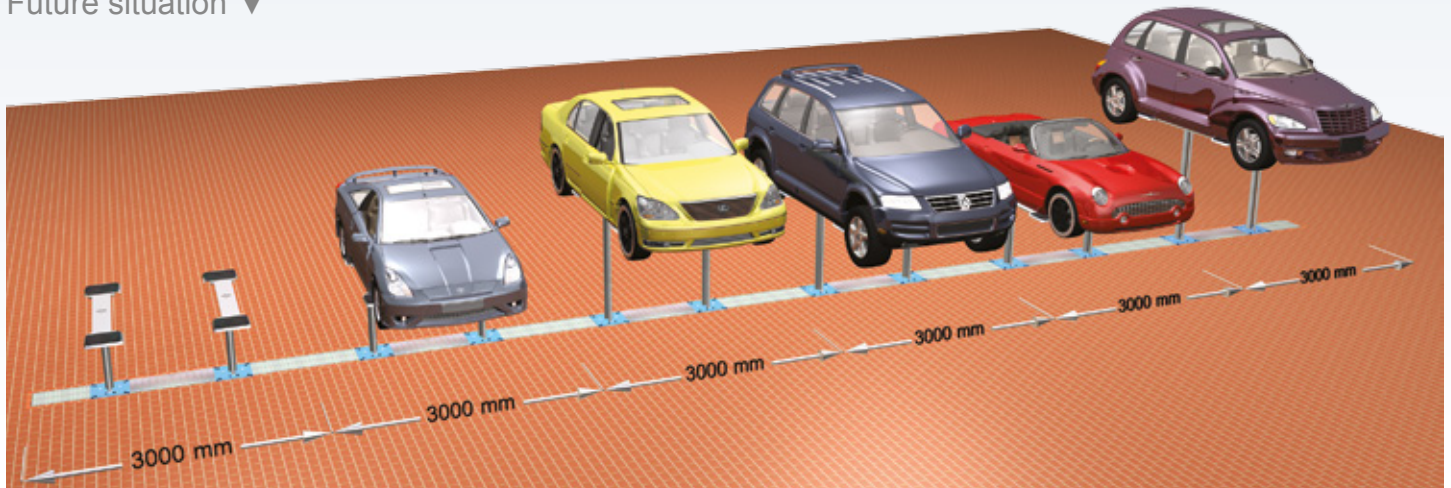
The MAHA Megaflex system lets you adapt workstations to the requirements of current workshop capacity, the working situation, working procedures, work of different types, the financial situation of the company and changes to vehicle shapes.

- ▶ Unique concreting using large channel assembly cassette
- ▶ Lifting units can be fixed variably according to requirements
- ▶ Easy, quick conversion or adaptation to workstations
- ▶ Easy retrofitting of additional workstations

Current situation ▼



Future situation ▼

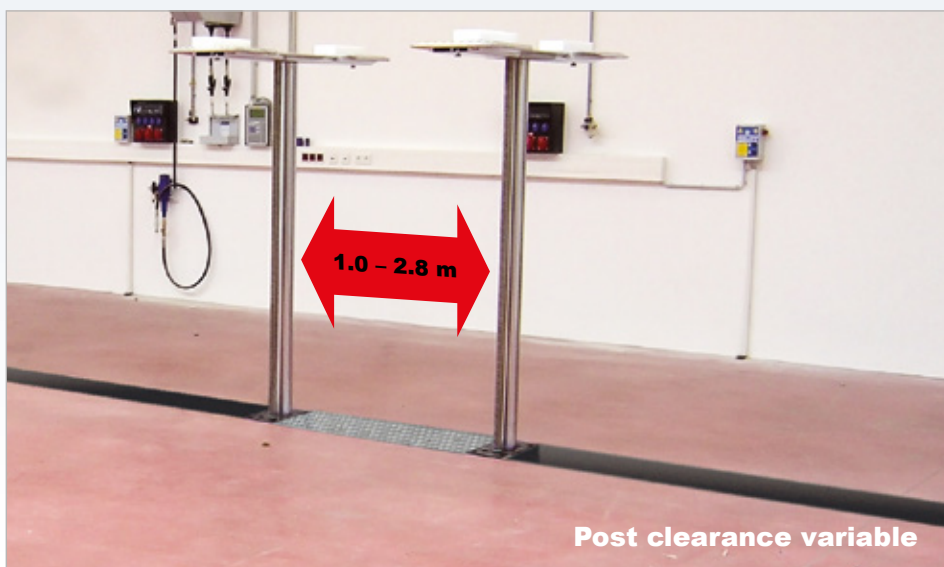


Lift installation

Choose the support that suits you best from all our options. Our modular system lets you adjust the support beams to your new situation/ vehicle range at any time.

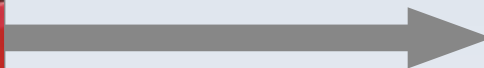
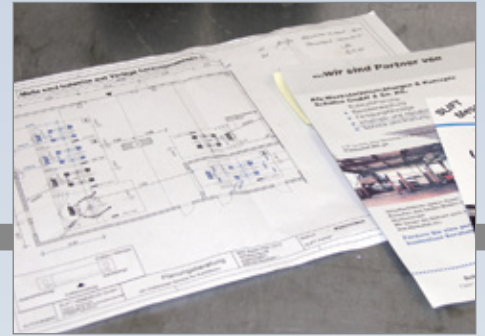


The flexible lifting units can be set to any position on the "channel". This provides variable lift clearance that can be from 1.3 m – 3.0 m.



The column distance width can be adjusted from 1.0 m – 2.8 m. This adjustable width allows various holders from our modular system to be used.

Retrofitting





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GLOBAL PLAYER

... in more than 150 countries worldwide

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