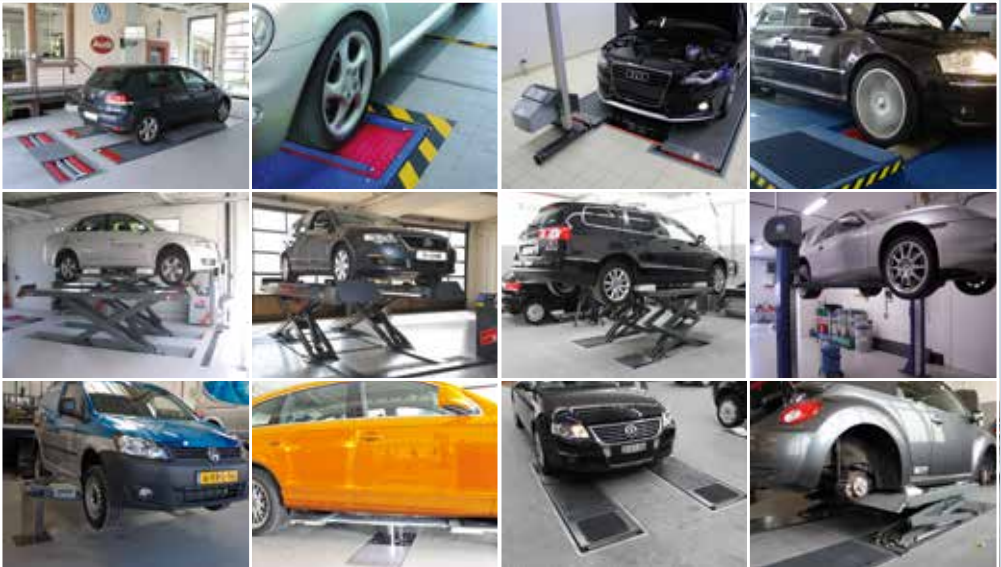




MAHA Product References for Workshops of the VOLKSWAGEN AG

Audi, Bentley, Bugatti, Ducati, Lamborghini, MAN, Porsche, Scania, Seat, Škoda, Volkswagen and Volkswagen Commercial Vehicles.



MAHA Maschinenbau Haldenwang GmbH & Co. KG. stands for high-tech in the field of motor vehicle testing and workshop outfitting. MAHA test stands are in action throughout the world in the testing of cars, commercial vans, motorcycles and special vehicles of all kinds.



MAHA workshop equipment covers the entire spectrum: from lifts to service units right up to modern emission testing technology. Individual test units can be networked to create universal test lanes making MAHA a competent technology partner for vehicle manufacturers and testing organizations around the globe.

In spite of MAHA's high-tech international profile, we have not forgotten that business is done locally. For this reason, our customers are optimally served on the spot by subsidiaries and dealers in more than 150 countries.

In over 45 years of operation, MAHA has become a Global Player in the international vehicle testing business underscoring its strengths of offering individual support and high flexibility. We are committed to continuing this tradition of tailor-made solutions and investment security.

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

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VAS 5000

Dialog Reception Direct Reception

Design and equipment of each Dialog Reception depend on the premises available and the vehicle throughput.

The modular system, basically consisting of a run-way lift and a roller brake tester, can be expanded with other test devices such as side-slip tester, shock tester and headlight tester.

The system can be retrofitted at any time, for example with computer-aided data integration between administration and test equipment.

ASE 420000 00 000



Dialog Reception for Cars and Vans

Standard Delivery:

- Display units and floor assemblies: See applicable specification
- Lift: See applicable specification

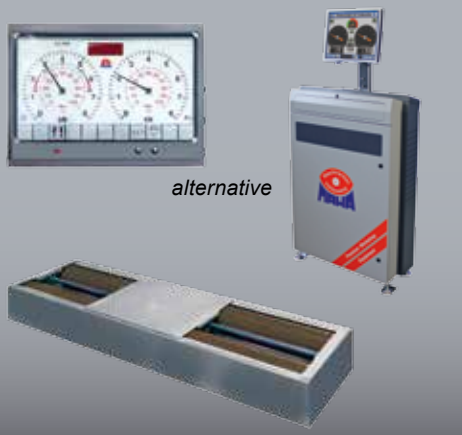
The individual configuration of the Dialog/Direct Reception VAS 5000 is jointly planned by Volkswagen AG partner and authorized MAHA dealer.

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V.A.G 1850 A

ASE 424100 00 000

**Roller Brake Tester
in Modular Design**



alternative

Technical Data

Permissible axle load	3.5 t
Track width min. / max.	780 / 2200 mm
Motor power	2 x 3 kW
Test speed	5 km/h
Display range	0-8 kN
Roller diameter	202 mm
Roller axle separation	400 mm
Fuse protection	25 A slow
Power supply	3 x 400 V/N/PE 50 Hz

**VP 210073 1 Roller Brake Tester V.A.G 1850 A
for Cars and Vans up to 3.5 t Axle Load
MODEL: MBT 2200 LON**

Standard Delivery:

- Analog display with two pointer indicators and integrated control cabinet
- Roller set MBT 2000 RS 2

alternatively available:

**VP 210105 1 Roller Brake Tester
for Cars and Vans up to 3.5 t Axle Load
MODEL: MBT 2250 EUROSYSYSTEM**

Standard Delivery:

- Communication desk MCD 2000 with integrated control cabinet
- Roller set MBT 2000 RS 2
- PC/Hardware optional available

Recommended Accessories:

- 4WD test mode
- V.A.G. 1850 A/1 Add-on Kit Brake Tester Directive 2011

Expansion with Shock Tester is possible: See VAS 6636

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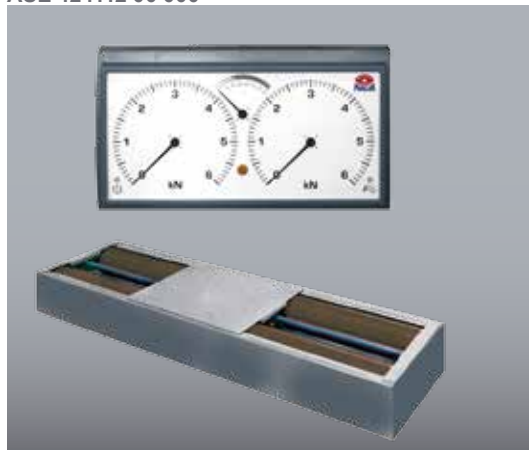
VAS 6497

Roller Brake Tester "Stand Alone"

Technical Data

Permissible axle load	4.0 t
Track width min. / max.	780 mm / 2200 mm
Motor power	2 x 4.0 kW
Test speed	5 km/h
Display range	0 - 6 kN
Roller diameter	202 mm
Roller axle separation	400 mm
Fuse protection	16 A slow
Power supply	3 x 400V/N/PE 50/60 Hz
Cabinet dimensions (W x H x D)	840 x 470 x 100 mm
Roller set dimensions (H x W x L)	280 x 680 x 2320 mm
Analog dial diameter	2 x 350 mm

ASE 424112 00 000



**VP 210088 1 Roller Brake Tester VAS 6497
for Cars and Vans up to 4.0 t Axle Load
MODEL: MBT 2100**

Standard Delivery:

- Analog display with two pointer indicators
- Difference indication by LED display
- Self-supporting, enclosed roller set
- Reinforced roller set RS2 for Axle load 4 t, Test speed 5 km/h,
Model: MBT 2000 RS 2

Recommended Accessories:

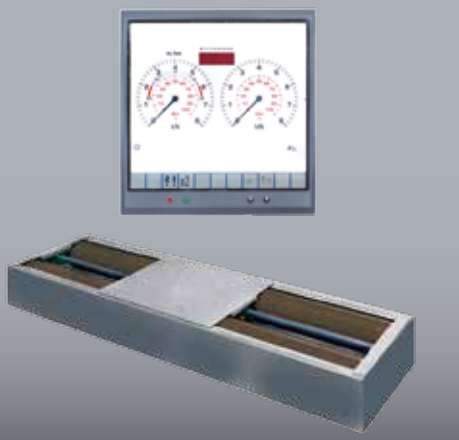
- 4WD test mode
- V.A.G. 1850 A/1 Add-on Kit Brake Tester Directive 2011

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VAS 6763

Roller Brake Tester
„Stand Alone“

ASE 424113 00 000



Technical Data

Permissible axle load	8.0 t
Track width min. / max.	870 mm / 2800 mm
Motor power	2 x 5.5 kW
Test speed	5 km/h
Display range	0 - 8 kN / 0 - 16 kN
Roller diameter	192 mm
Roller axle separation	400 mm
Fuse protection	35 A slow
Power supply	3 x 400V/N/PE 50/60 Hz
Cabinet dimensions (W x H x D)	870 x 910 x 300 mm
Roller set dimensions (H x W x L)	280 x 680 x 2925 mm
Analog dial diameter	2 x 350 mm

VP 410163 1 Roller Brake Tester VAS 6763
for Cars and Vans up to 8.0 t Axle Load
MODEL: MBT 3200 LON

Standard Delivery:

- Analog display with two pointer indicators and integrated switching and electro-cabinet
- Roller set MBT 3200

Recommended Accessories:

- 4WD test mode
- V.A.G. 1850 A/1 Add-on Kit Brake Tester Directive 2011

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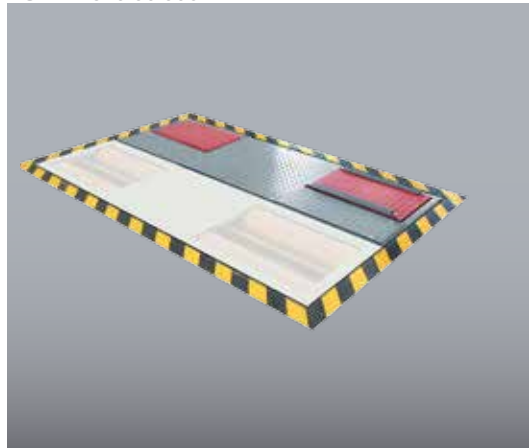
VAS 6636

Shock Tester combinable with V.A.G 1850 A
(Roller Brake Tester)

Technical Data

Axle load, testable	2.2 t
Axle load, traversable	2.5 t
Motor power (2 x)	1.1 kW
Vibration amplitude	6.5 mm
Vibration frequency (controlled)	2 - 10 Hz
Maximum plate stroke approx.	70 mm
Track width min. / max.	880 - 2200 mm
Test range of Damping rate "D"	0.02 - 0.3
Power supply	230 V, 1 phase
Fuse protection	50/60 Hz / 16 A Time-delay
Floor assy. dimensions (L x W x H)	2320 x 800 x 280 mm

ASE 411320 00 000



VP 215041 1 Shock Tester VAS 6636
for Cars and Vans up to 2.5 t Axle Load
MODEL: MSD 3000 EURO

With questions you turn please to the German MAHA contracting party and the respective land importers
or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

VAS 5208 A

ASE 441200 01 000

Headlight Tester



Technical Data

Test range below	0 - 40 cm/10 m
Test range left	0 - 80 cm/10 m
Test range right	0 - 80 cm/10 m
Light intensity	0 - 240 Lux/25 m
Dimensions (W x L x H)	620 x 1805 x 750 mm
Adjustment range of lens center above floor	approx. 300 - 1280 mm

VP 185045 **1 Headlight Tester VAS 5208 A**
MODEL: LITE 1 D

Standard Delivery:

- Headlight tester, mobile, with plastic rollers

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

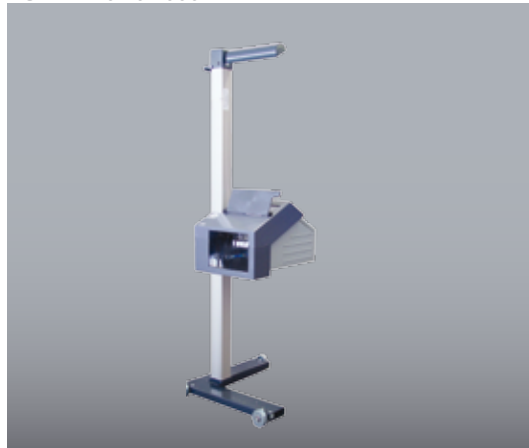
VAS 5209 B

Headlight Tester with Camera System

Technical Data

Measurement range above	0-600 mm/10 m (0-6 %)
Measurement range below	0-600 mm/10 m (0-6 %)
Measurement range left	0-600 mm/10 m (0-6 %)
Measurement range right	0-600 mm/10 m (0-6 %)
Height of light center	200 - 1300 mm
Measurement distance	100 - 1000 mm
Light intensity	0 - 125.000 cd (Candela)
Illumination intensity	0 - 200 lx (Lux)
Intensity error limits	+/- 5 %
Deviation from an axle error limits	+/- 5'
Working range temperature	-15 °C - +45 °C
Power supply	100 - 240 V, 50/60 Hz AC/12V DC

ASE 441201 01 000



VP 185033 1 Headlight Tester VAS 5209 A
Electronic, with Camera System
MODEL: LITE 3 "Stand Alone"

Standard Delivery:

- Headlight tester, mobile, with plastic roller
- VW Software for Dynamic Light Assist
- Instruction of VAS 5209B

Recommended Accessories:

- VAS 5209 B/1 Laser Aligner for LITE-Serie
- VAS 5209 B/2 module PC-bluetooth LITE 3 for test lane
- Slide rails, flush-mounted

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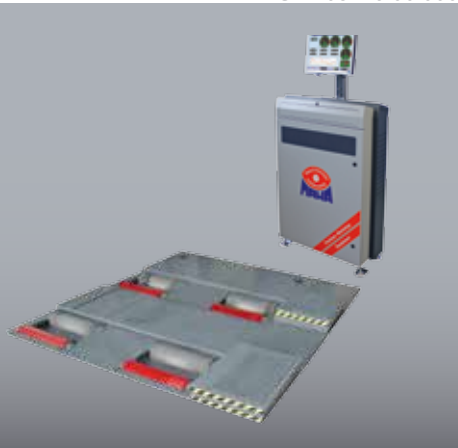
V.A.G 1851

ASE 408249 00 000

Dynamometer
for Vehicles with Four-Wheel Drive

Technical Data

Color Screen	19 inches
PC desk dimensions (L x W x H)	600 x 1850 x 800 mm
RPM	0 - 10000 U/min.
Measuring accuracy	+/- 2% of meas. value
Power supply	230 V, 50 Hz
Fuse protection	16 A time-delay
Roller sets	R 100, R 100/2
Wheel power	0 - 260 kW
Speed	0 - 260 km/h
Tractive force	0 - 6 kN
Axle load	2.5 t



VP 186011 1 Communication Desk LPS V.A.G 1851 MODEL: LPS 3000

Standard Delivery:

- PC unit with Windows XP Pro, 3.5" floppy disk drive, CD-ROM drive, wheel mouse, keyboard, monitor 19", A4 ink jet color printer
- Interface box with support and connection cable with plug-in environment module
- Pressure/Temperature module (CAN P2T2 module), plug-in card for recording of 2 pressure and 2 temperature values
- Trigger clamp with cable (6 m) for inductive RPM pick-up through ignition cable, Piezo clamp cable (6 m), Piezo clamp with 6 mm diameter
- Software module standard engine power projection cars
- 4WD expansion kit

VP 230016 2 Roller Sets for Cars/Vans V.A.G 1851, MODEL: R 100/1

Standard Delivery:

- Hydraulic roller set adjustment for 4WD Dyno
- 4 lashing straps with anchors

VP 160015 1 Radial Air Cooling Fan, mobile V.A.G 1851, MODEL: Air 7/1

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

VAS 6804

Scissors Lift for Wheel Alignment and/or Reception/Final Inspection

Technical Data

Load capacity	4.2 t
Dimensions flush mounted (L x W)	4400 x 2075 mm
Dimensions surface mounted (L x W)	5900 x 2075 mm
Runway length	4400 mm
Runway width	617 mm
Lifting height max.	2075 mm
Installation depth (flush mounted)	250 mm
Drive-on height (surface mounted)	240 mm
Motor power	2.5 kW
Power supply	3 x 400V 50Hz
Raising / Lowering time approx.	40 s / 40 s
Reservoir capacity	40 l

ASE 451 035 00 000



**VP 250254 1 Scissors Lift VAS 6804 for Wheel Alignment with 4.2 t Load Capacity
MODEL: DUO CM 4.2 U (flush mounted)**

alternative

**VP 250237 1 Scissors Lift VAS 6804 for Wheel Alignment with 4.2 t Load Capacity
MODEL: DUO CM 4.2 A (surface mounted)**

Standard Delivery:

- Scissors Lift Model: DUO CM 4.2 U or Model: DUO CM 4.2 A
- Operation desk with control and hydraulic unit
- Cover plates for cables and hydraulic hoses (surface mounted)
- 2 long ramps, 2 roll-over plates for surface mounting
- 4 roll-off flaps for flush-floor installation
- 2 pneumatic couplers at runway, 8 rope loops to be used as transport aid
- Lowering system for wheel alignment with precision ratchet cylinder, Notch intervals: every 100 mm
- Double safety catch for precision under-carriage alignment of vehicles with high weight and extended wheel base (e.g. Phaeton, Touareg)

Recommended Accessories:

- VAS 6495/1 Axle Jack AL II 2.6 PH

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VAS 6831

ASE 454 009 00 000

**Scissors Lift for Dialog Reception
and Quick Service**

Technical Data

Load capacity	4.2 (5,0) t
Dimensions flush mounted (L x W)	4400 (5200) x 2075 mm
Dimensions surface mounted (L x W)	5900 x 2075 mm
Runway flush mounted (L x B)	4400 (5200) x 617 (630) mm
Runway surface mounted (L x B)	4400 x 617 mm
Lifting height max.	2075 / 2140 mm
Installation depth (flush mounted)	250 (300) mm
Motor power	2.5 kW
Power supply	3 x 400V 50Hz
Raising / Lowering time 4.2 t (5 t) approx.	40 (50) s / 40 s
Reservoir capacity	40 l



**VP 250260 1 Scissors Lift VAS 6831 for Dialog Reception with 4.2 t Load Capacity
MODEL: DUO CM 4.2 U (flush mounted)**

alternative

**VP 250262 1 Scissors Lift VAS 6831 for Dialog Reception with 5.0 t Load Capacity
MODEL: DUO CM 5.0 U (flush mounted)**

alternative

**VP 250261 1 Scissors Lift VAS 6831 for Dialog Reception with 4.2 t Load Capacity
MODEL: DUO CM 4.2 A (surface mounted)**

Standard Delivery:

- Scissors Lift Model: DUO CM 4.2 U or Model: DUO CM 5.0 U or Model: DUO CM 4.2 A
- Operation desk with control and hydraulic unit
- Cover plates for cables and hydraulic hoses (surface mounted)
- 2 long ramps, 2 roll-over plates for surface mounting
- 4 roll-off flaps for flush-floor installation
- 2 pneumatic couplers at runway,
- 8 rope loops to be used as transport aid (DUO CM 4.2)

Recommended Accessories:

- VAS 6495/1 Axle Jack AL II 2.6 PH

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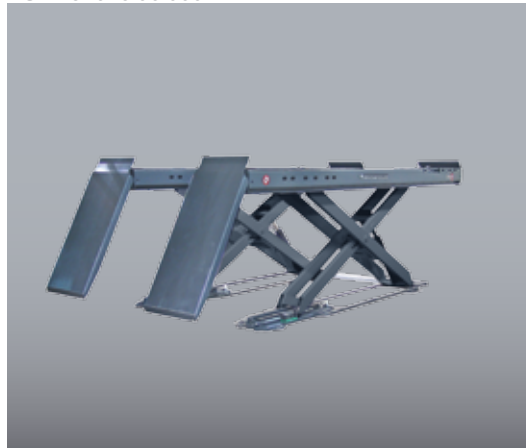
VAS 6495

Scissors Lift for Wheel Alignment

Technical Data

Load capacity	5.0 t
Dimensions (L x W)	6500 x 2210 mm
Runway length	5200 mm
Runway width	630 mm
Lifting height max.	2100 mm
Full travel	1865 mm
Installation depth / Drive-on height	240 / 230 mm
Power unit	5.5 kW
Power supply	3 x 400 V
Fuse protection	16 A time-delay
Raising / Lowering time approx.	50 s / 50 s
Reservoir capacity	30 l

ASE 454026 00 000



**VP 250140 1 Scissors Lift VAS 6495
for Wheel Alignment with 5.0 t Load Capacity
MODEL: DUO UC 5.0 W U (flush mounted)**

alternative:

**VP 250141 1 Scissors Lift VAS 6495
for Wheel Alignment with 5.0 t Load Capacity
MODEL: DUO UC 5.0 W A (surface mounted)**

Standard Delivery:

- Scissors Lift Model: DUO 5.0 W U or Model: DUO 5.0 W A
- Control desk including display, control and hydraulic power unit
- Height-adjustable precision sliding plates, lockable at control desk, with low breakaway breakaway torque (5 Nm) and low moving force (15 N for 500 kg wheel load), 53 mm lateral motion, +/- 6 ° rotary motion
- Recess for turntables and compensation plates
- Lowering device with 8 locking modules, Manual lowering function with hand pump
- 4 roll off safety bars for flush mounted version
- 2 pneumatic couplers installed to runway

Recommended Accessories:

- VAS 6495/1 Axle Jack AL II 2.6 PH

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VAS 6751

ASE 454029 00 000

Scissors Lift

Technical Data

Load capacity	4.0 t
Dimensions (L x W)	5400 x 2210 mm
Runway length	4400 mm
Runway width	630 mm
Lifting height max.	2100 mm
Ful travel	1920 mm
Installation depth	185 mm
Motor power	5.5 kW
Power supply	3 x 400 V
Fuse protection	16 A time-delay
Raising / Lowering time approx.	45 s / 45 s
Reservoir capacity	30 l



**VP 250215 Scissors Lift VAS 6751
with 4.0 t Load Capacity
MODEL: MSL 4.0 U (flush mounted)**

Standard Delivery:

- Scissors lift - flat type - for inground installation
- Hydraulic synchronisation of runways and Wheel-Free-Jack (option)
- Distance measurement system integrated into lifting cylinders ("Linear absolute measurement system")
- Immediate switch-off at (one-sided) collision with obstacle at minimum height difference
- 4 locking modules for the prevention of inadvertent lowering and for wheel alignment (option: "Lower onto Locks")
- Comfortable operation due to programmable limit stop
- Durable foil keyboard
- Generous lifting height of 2100 mm
- Pinch point protection by acoustic signal "CE STOP"
- Anti-corrosion treatment of lock seams, cavity sealing

Recommended Accessories:

- VAS 6495/1 Axle Jack AL II 2.6 PH

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de



VAS 6329

Twin Scissors Lift

Technical Data

Load capacity	3.0 t
Installation depth / Drive-over height	110 / 105 mm
Lifting height max.	1790 / 1900 mm
Raising / Lowering time approx.	40 s / 40 s
Support plate (L / W)	1550 - 2100 / 605 mm
Total width (recommended)	1955 mm
Motor power	2.2 kW
Hydraulic Power unit	240 bar
Power supply	3 x 400 V
Synchronisation	fully automatic

ASE 454 015 00 000



VP 250249 **1 Twin Scissors Lift VAS 6329**
with 3.0 t Load Capacity
MODEL: TWIN F IV 3.0 U (flush mounted)

alternative

VP 250248 **1 Twin Scissors Lift VAS 6329**
with 3.0 t Load Capacity
MODEL: TWIN F IV 3.0 A (surface mounted)

Standard Delivery:

- Twin Scissors Lift, Model: TWIN F IV 3.0 U (flush mounted) or Model: TWIN FIV 3.0 A (surface mounted)
- Upright operating unit with control and hydraulic unit
- Hydraulic hoses for 2 m distance between lift and power unit
- Cover plate for hydraulic hoses (surface mounted)
- 2 drive-over ramps (surface mounted)
- Foundation inserts to extend the support platforms (flush mounted)
- 4 pcs plastic chocks 47 x 132 x 340 mm (surface mounted)

Recommended Accessories:

- VAS 6803/2 long drive-over ramps (4 pcs.)

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

VAS 6802

Twin Scissors Lift

ASE 451 031 00 000



Technical Data

Load capacity	3.0 t
Installation depth / Drive-over height	110 / 105 mm
Lifting height max.	1790 / 1900 mm
Raising / Lowering time approx.	40 s / 40 s
Support plate (L / W)	1550 - 2100 / 605 mm
Total width (recommended)	1955 mm
Motor power	2.2 kW
Hydraulic Power unit	270 bar
Power supply	3 x 400 V
Synchronisation	fully automatic

VP 250249 **1 Twin Scissors Lift VAS 6802**
with 3.5 t Load Capacity
MODEL: TWIN F IV 3.5 U (flush mounted)

alternative

VP 250248 **1 Twin Scissors Lift VAS 6802**
with 3.5 t Load Capacity
MODEL: TWIN F IV 3.5 A (surface mounted)

Standard Delivery:

- Twin Scissors Lift, Model: TWIN F IV 3.5 U (flush mounted) or Model: TWIN FIV 3.5 A (surface mounted)
- Upright operating unit with control and hydraulic unit
- Hydraulic hoses for 2 m distance between lift and power unit
- Cover plate for hydraulic hoses (surface mounted)
- 2 drive-over ramps (surface mounted)
- Foundation inserts to extend the support platforms (flush mounted)
- 4 pcs plastic chocks 47 x 132 x 340 mm (surface mounted)

Recommended Accessories:

- VAS 6803/2 long drive-over ramps (4 pcs.)

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VAS 6803

Twin Scissors Lift

Technical Data

Load capacity	4.0 t
Drive-over height	135 mm
Lifting height max.	2028 mm
Raising / Lowering time approx.	55 s / 45 s
Support plate (L / W)	1560 - 2070 / 650 mm
Total width (recommended)	2100 mm
Motor power	2.2 kW
Hydraulic Power unit	250 bar
Power supply	3 x 400 V
Synchronisation	key operated switch

ASE 451 032 00 000



VP 250252 **1 Twin Scissors Lift VAS 6803**
with 4.0 t Load Capacity
MODEL: TWIN F III 4.0 (surface mounted)

Standard Delivery:

- Twin Scissors Lift, Model: TWIN F III 4.0
- Upright control desk with controls and power unit
- Hydraulic hoses (2 m distance between scissors lift and hydraulic unit)
- Cover plate for hydraulic hoses
- 4 pcs. Plastic chocks 47 x 132 x 340 mm

for North-Amerika:

VP 250253 **1 TWIN Scissors Lift VAS 6803**
with 4.0 t Lifting Capacity
MODEL: TWIN 9000 (surface mounted)
with 1 Phase 208-230 V, 60 Hz, 1 Ph

Recommended Accessories:

- VAS 6803/1 Foundation inserts for flush-floor Installation
- VAS 6803/2 long drive-over ramps (4 pcs.)

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

VAS 6261 / 6567

ASE 452019 00 000

Two Post Lift



Technical Data

Load capacity	3.0 t
Lifting height max.	2000 mm
Full travel	1880 mm
Raising / Lowering time approx.	40 s / 40 s
Lifting height min.	95 mm
Lifting height support disks	75 mm
Drive-through clearance	2325 mm
Height overall	4490 mm
Net weight	620 kg
Motor power	2 x 2.4 kW
Power supply	3 x 400 V, 50 Hz
Fuse protection	16 A time-delay

- VP 251084** **1 Two Post Lift VAS 6261**
with 3.0 t Load Capacity
MODEL: ECON III 3.0
alternative
- VP 251133** **1 Two Post Lift VAS 6567**
for Sports Cars, 3.0 t Load Capacity
MODEL: ECON III 3.0

Standard Delivery:

- 2 Columns with 1 control unit
- Overhead cable tray
- Support disks, plug-in type
- VAS 6261: 2 short support arms, 2 Long support arms, double-telescopic short support arms
- VAS 6567: 4 sports car support arms for ECON III 3.0, double-telescopic short support arms (3-part), load capacity 3.0 t, including plug-in system with support disk extenders 50 mm

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de



VAS 6268

Two Post Lift

Technical Data

Load capacity	3.5 t
Lifting height max.	2000 mm
Full travel	1880 mm
Raising / Lowering time approx.	40 s / 40 s
Lifting height min.	110 mm
Drive-through clearance	2425 mm
Height overall	4490 mm
Net weight	650 kg
Motor power	2 x 2.4 kW
Power supply	3 x 400 V, 50 Hz
Fuse protection	16 A time-delay

ASE 452020 00 000



VP 251085 **1 Two Post Lift VAS 6268**
with 3.5 t Load Capacity
MODEL: ECON III 3.5

Standard Delivery:

- 2 Columns with 1 control unit
- 2 Long support arms, 2 short support arms, double-telescopic
- Support disks, plug-in type
- Overhead cable tray

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

VAS 6869

ASE 455 135 00 000

Two Post Lift



Technical Data

Load capacity	3.5 t
Lifting height max.	2000 mm
Raising / Lowering time approx.	40 s / 40 s
Lifting height min.	110 mm
Total width	3420 mm
Drive-through clearance	2430 mm
Column height	2950 mm
Inside columns	2700 mm
Net weight	650 kg
Motor power	2 x 3.0 kW
Power supply	3 x 400 V, 50 Hz
Fuse protection	16 A time-delay

VP 251178

**1 Two Post Lift VAS 6869
with 3.5 t Load Capacity
MODEL: MAPOWER II 3.5**

Standard Delivery:

- 2 Columns with 1 control unit
- 2 Long support arms, 2 short support arms, double-telescopic
- Support disks, plug-in type
- Overhead cable tray
- Spindle oil (0,25 l)

Recommended Accessories:

- Non-Skid Device for VW Transporter „T4“, can also be used for other Transporters

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de



VAS 6457

Two Post Lift

Technical Data

Load capacity	4.0 t
Lifting height max.	2000 mm
Full travel	1880 mm
Raising / Lowering time approx.	40 s / 40 s
Lifting height min.	115 mm
Drive-through clearance	2465 mm
Height overall max.	4740 mm
Net weight	750 kg
Motor power	2 x 3.0 kW
Power supply	3 x 400 V, 50 Hz
Fuse protection	16 A time-delay

ASE 452027 00 000



VP 251104 **1 Two Post Lift VAS 6457**
with 4.0 t Load Capacity
MODEL: ECON III 4.0

Standard Delivery:

- 2 Columns with 1 control unit
- 2 extra long, single-telescopic support arms
- 2 double-telescopic support arms
- Support disks, plug-in type
- Overhead cable tray

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

VAS 6855

**Two Post Lift,
electro-hydraulic**

ASE 452 050 00 000



Technical Data

Load capacity	4.0 t
Lifting height max. HL CS 4.0	1930 mm
Lifting height max. HL CS 4.0 L	1830 mm
Lifting height max. HL CS 4.0 H	1930 mm
Raising / Lowering time approx.	45 s / 45 s
Lifting height min.	110 mm
Overall height HL CS 4.0	4178 mm
Overall height HL CS 4.0 L	3625 mm
Overall height HL CS 4.0 H	4778 mm
Overall width	3486 mm
Drive-through clearance	2450 mm
Motor power	2.2 kW
Power supply	3 x 400 V, 50 Hz
Hydraulic oil required	15 l

**VP 251181 1 Two Post Lift VAS 6855
electro-hydraulic, with 4.0 t Load Capacity
MODEL: HL CS 4.0**

alternative

**VP 251182 1 Two Post Lift VAS 6855
electro-hydraulic, with 4.0 t Load Capacity
MODEL: HL CS 4.0 L**

alternative

**VP 251182 1 Two Post Lift VAS 6855
electro-hydraulic, with 4.0 t Load Capacity
MODEL: HL CS 4.0 H**

Standard Delivery:

- 2 Columns with 1 control unit
- Hydraulic unit
- Overhead bar
- 2 long single-telescopic support arms
- 2 short double-telescopic support arms (3 parts)
- Plug-in disk adapter system

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de



VAS 5015 A

Two Post Lift

Technical Data

Load capacity	5.0 t
Lifting height max.	2020 mm
Full travel	1880 mm
Raising / Lowering time approx.	70 s / 70 s
Lifting height min.	140 mm
Drive-through clearance	2730 mm
Height overall max.	5043 mm
Net weight	995 kg
Motor power	2 x 3.0 kW
Power supply	3 x 400 V, 50 Hz
Fuse protection	16 A time-delay

ASE 406653 01 000



VP 451095 **1 Two Post Lift VAS 5015 A**
with 5.0 t Load Capacity
MODEL: ECON III 5.0

Standard Delivery:

- 2 Columns with 1 control unit
- 4 Double-telescopic support arms
- Support disks, plug-in type
- Overhead cable tray

Recommended Accessories:

- VAS 5015 A/1 Prism Support for VW Crafter
- VAS 5015 A/2 Support Plate Extensions
- VAS 5015 A/4 Support arbor for VW Crafter

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

VAS 6735

ASE 452045 00 000

Two Post Lift



Technical Data

Load capacity	5.0 t
Lifting height max.	2020 mm
Full travel	1880 mm
Raising / Lowering time approx.	70 s / 70 s
Lifting height min.	140 mm
Drive-through clearance	2730 mm
Height overall max.	5043 mm
Net weight	995 kg
Motor power	2 x 3.0 kW
Power supply	3 x 400 V, 50 Hz
Fuse protection	16 A time-delay

VP 451452 1 Two Post Lift VAS 6735
(Wheel-engaging support forks)
with 5.0 t Load Capacity
MODEL: ECON III 5.0 Wheel-engaging

Standard Delivery:

- 2 Columns with 1 control unit
- 4 Double-telescopic support arms
- Cable pipe connection
- Wheel-engaging support forks (4 pcs.)

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de



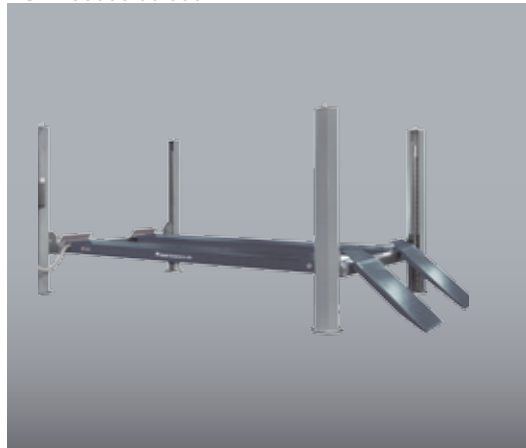
VAS 6140

Four Post Lift for Wheel Alignment

Technical Data

Load capacity	4.0 t / 5.0 t
Lifting height max.	1970 / 1975 mm
Raising / Lowering time approx.	30 s
Drive-on height	198 / 225 mm
Runway width	630 mm
Runway length	4400 / 5350 mm
Motor power	2.2 / 5.5 kW
Power supply	3 x 400 V, 50 Hz
Fuse protection	16 A time-delay
Reservoir capacity	10 l

ASE 453003 00 000



VP 251132 **1 Four Post Lift VAS 6140
with 4.0 t Load Capacity
MODEL: CARLIFT II 4.0**

alternativ

VP 251153 **1 Four Post Lift VAS 6140
with 5.0 t Load Capacity
MODEL: CARLIFT II 5.0**

Standard Delivery:

- Four Post Lift with 4.0 t or 5.0 t load capacity
- Locking device for wheel alignment
- One runway adjustable (without axle jack)

Recommended Accessories:

- VAS 6495/1 Axle Jack AL II 2.6 PH
Inside runways not adjustable

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

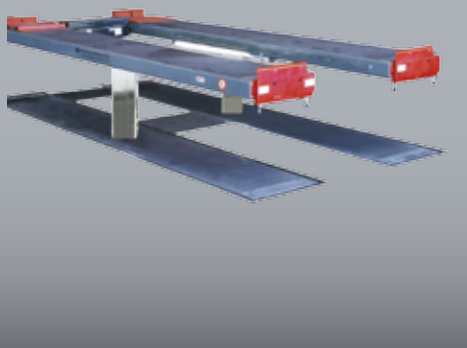
VAS 6259

**Two Post In-Ground Lift with Runways
for Reception/Final Inspection**

ASE 455100 00 000

Technical Data

Load capacity	3.5 t
Piston centers	1350 / 2300 mm
Runway dimensions	4400 mm
Piston stroke	1900 mm
Installation depth	2540 mm
Square tube dimensions	180 x 180 mm
System pressure	210 bar
Raising / Lowering time (loaded) approx.	35 s / 25 s
Power unit	2.5 kW, 400 V, 16 A
Reservoir capacity	14 l



VP 252207

1 Two-Cylinder Lift VAS 6259

with 3.5 t Load Capacity

MODEL: ZS-SQUARE II 3.5 P with driving platform bridge

Standard Delivery:

- Two Post Inground Lift 3.5 t Runway Type 4400 mm
Model: ZS SQUARE II 3.5 P (column clearance 1350 mm)
- Driving platform bridge granulate coats

Recommended Accessories:

- VAS 6495/1 Axle Jack AL II 2.6 PH

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de



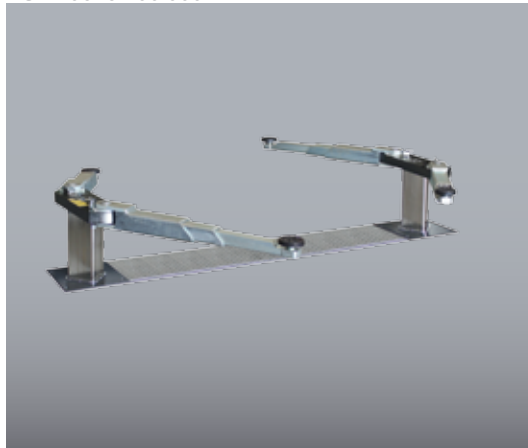
V.A.G 1984

Two Post In-Ground Lift with Swivel Arm Bridge

Technical Data

Load capacity	3.5 t
Piston centers	2300 mm
Piston stroke	1900 mm
Installation depth	2400 mm
Cylinder diameter (L x W)	180 x 180 mm
Raising / Lowering time approx.	35 s / 35 s
Motor power	3 kW
Power supply	400 V
Fuse protection	16 A time-delay
Reservoir capacity	14 l

ASE 406434 00 000



VP 252208 **1 Two-Cylinder Lift V.A.G 1984**
with 3.5 t Load Capacity
MODEL: ZS SQUARE II 3.5 KS with Swivel Arm Bridge
alternative

VP 252209 **1 Two-Cylinder Lift V.A.G 1984**
with 3.5 t Load Capacity (for Sports Car)
MODEL: ZS SQUARE II 3.5 KSP with Swivel Arm Bridge SP

Standard Delivery:

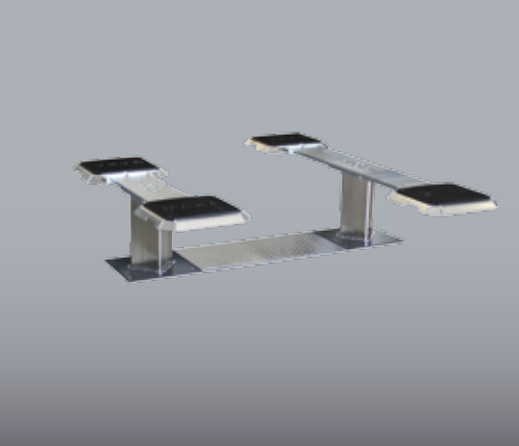
- Two-Cylinder Lift 3.5 t Swing Arm Type
Model: ZS SQUARE II 3.5 KS or Model: ZS SQUARE II 3.5 KSP
- Support arms: galvanized

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

VAS 6646

**Two Post In-Ground Lift
with with Flat Lifting Heads**

ASE 455134 00 000



Technical Data

Load capacity	3.5 t
Piston centers	1350 mm
Piston stroke	1900 mm
Installation depth	2400 mm
Cylinder diameter (L x W)	180 x 180 mm
Raising / Lowering time approx.	35 s / 35 s
Motor power	3 kW
Power supply	400 V
Fuse protection	16 A time-delay
Reservoir capacity	14 l

**VP 252210 Two-Cylinder Lift VAS 6646
with 3.5 t Lifting Capacity
MODEL: ZS SQUARE II 3.5 FT Flat Lifting Platform**

Standard Delivery:

- Two-Cylinder Lift 3.5 t Pad Type
Model: ZS SQUARE II 3.5 FT (columns center clearance 1350 mm)
- Flat lifting heads w. extra wide supports
Model: R5G 3.5
with sturdy rubber pads suitable for vehicles with distant lifting points
- Rubber Chocks Set pyramidal h=60 mm (4 pcs.)
- Flat lifting platform, hot-dip galvanized

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de



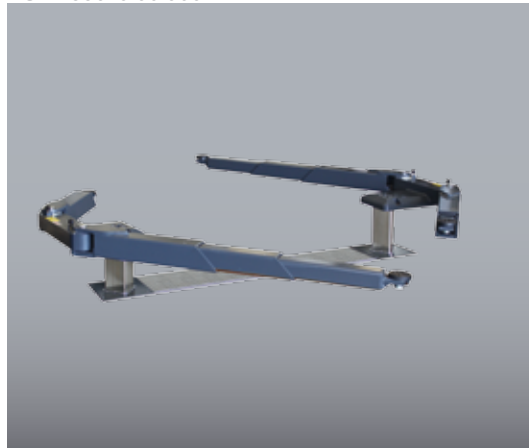
VAS 5113

Two Post In-Ground Lift with Swing Arms

Technical Data

Load capacity	5.0 t
Piston centers	2300 mm
Piston stroke	1900 mm
Installation depth	2390 mm
Cylinder diameter (L x W)	180 x 180 mm
Raising / Lowering time approx.	35 s / 35 s
Motor power	3 kW
Power supply	400 V
Fuse protection	16 A time-delay
Reservoir capacity	28 l

ASE 455010 00 000



VP 252228

**1 Two Post In-Ground Lift VAS 5113
with 5.0 t Load Capacity
MODEL: ZS SQUARE II 5.0 KS with Swing Arms**

Standard Delivery:

- Two Post In-Ground Lift
Model: ZS SQUARE II 5.0 KS (piston centers 2300 mm)
incl. support plate extensions 50 mm
- Holding device for support plate extension (2 pcs.), can be mounted to lift or wall
- Magnetic Wheel Nut Tray

Recommended Accessories:

- VAS 5015 A/1 Prism Support for VW Crafter
- VAS 5015 A/2 Support Plate Extensions

With questions you turn please to the German MAHA contracting party and the respective land importers or directly to MAHA Maschinenbau Haldenwang GmbH & Co. KG • email: sales@maha.de

VAS 6398

**Four Post In-Ground Lift
for High-Precision Wheel Alignment**

ASE 455116 00 000



Technical Data

Load capacity	5.0 t / 6.5 t
Piston centers (in transverse direction)	1570 mm
Piston centers (in approach direction)	3400 mm
Runway length	4400 mm / 5350 mm
Piston stroke	1900 mm
Max. lifting height	2175 mm
Raising / Lowering time approx.	25 s / 25 s
Square tube dimensions	180 x 180 mm
Installation depth	2390 mm
Power units	2 x 3.0 kW, 400 V
Fuse protection	16 A
Reservoir capacity	56 l

**VP 252229 1 Four Post In-Ground Lift 4400 VAS 6398
with 5.0 t Load Capacity
MODEL: VS SQUARE II 5.0 Runway Type**

alternative

**VP 252230 1 Four Post In-Ground Lift 5350 VAS 6398
with 6.5 t Load Capacity
MODEL: VS SQUARE II 6.5 Runway Type**

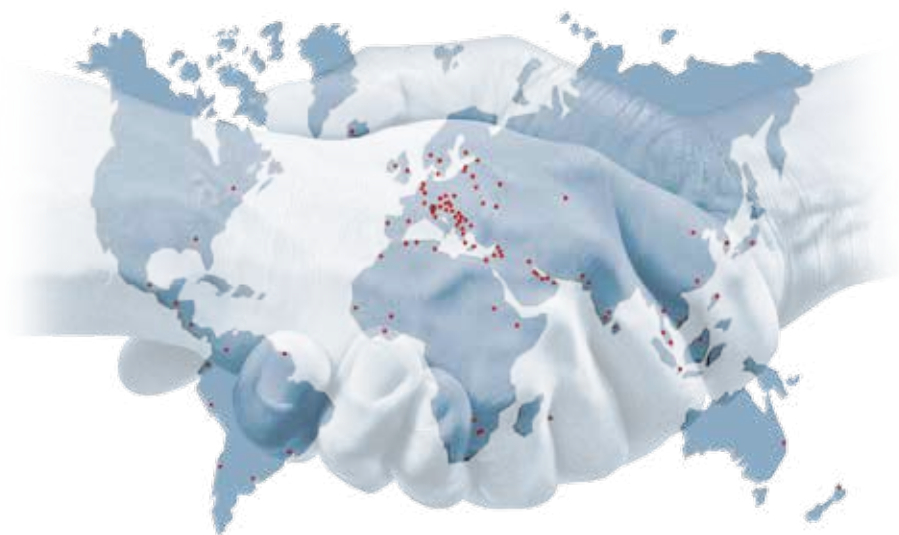
Standard Delivery:

- Four Post In-Ground Lift 5.0 t Runway Type 4400 mm,
Model: VS SQUARE II 5.0 (surface mounted) or
Four Post In-Ground Lift 6.5 t Runway Type 4400
Model: VS SQUARE II 6.5 (surface mounted)
- Lowering System for Wheel Alignment
- Double Install. Box, Clamping System
Ram Distance 1750 mm, MODEL: QEC 2-19.175

Recommended Accessories:

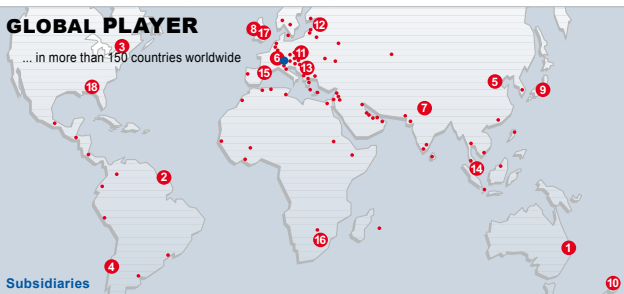
- VAS 6495/1 Axle Jack AL II 2.6 PH

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