

Tyre changers

Recommended by Volkswagen AG



Tyre changers for shops with medium tyre service volume



VAS 6312

- Designed to mount and demount all conventional car and light-truck tyres in the market, hence extremely flexible in use. Specially suited for handling wide and low profile tyres owing to the rugged design which allows to withstand high forces.
- The pneumatic mounting tool VAS 6312-1 can be attached to the machine for easier handling of wide tyres and even run-flat tyres, if equipped with a suitable adaptor.
- VAS 6312 comes standard with a plastic insert in the mounting nose and plastic caps on the jaws to preserve tyres and rims.
- The mounting tool is automatically adjusted to spaced-apart position relative to the rim.
- The mounting column is locked mechanically in exact working position and tilts back through its own weight upon pedal operation.
- The self-centring four-jaw chuck allows an outer clamping range of 10" to 20".
- A double-acting bead breaking cylinder ensures gentle demounting of the tyre from the rim.
- The over-sized bead breaker blade, too, allows gentle demounting of the tyre from the rim and an anti-skid rubber pad prevents the tyre from slipping.
- In conjunction with the manual tyre inflator the quick-inflation valve ensures quick and safe inflation of the tyre.
- Four ergonomic pedals allow easy handling.
- Standard tyre lever
- Servicing unit with pressure-relief valve and oiler
- Manual tyre inflator
- Holder for tyre lubricant container
- Plastic rim protection

Additional features of tyre changer VAS 6313

- The mounting column can be tilted backwards and forwards pneumatically upon pedal operation and is locked in working position.
- Turntable speed can be preset via pedal (to either 7 or 13 rpm)
- The over-sized bead breaker blade supported in 3 joints allows gentle demounting of the tyre from the rim and an anti-skid rubber pad prevents the tyre from slipping.
- In conjunction with the pedal-controlled tyre inflator and the pressure gauge the quick-inflation valve ensures quick and safe inflation of the tyre.
- Five ergonomic pedals allow easy handling.
- Tool box with valve and tool compartments and integrated precision gauge

Tyre changer for shops with high tyre service volume**VAS 6314**

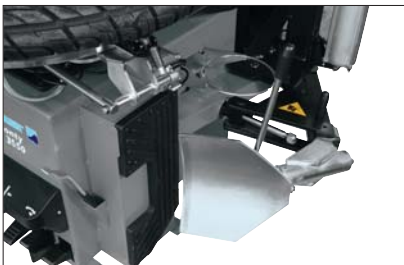
- Designed to mount and demount all conventional car and light-truck tyres in the market plus PAX / CSR wheels, hence extremely flexible in use. Ideally suited for handling wide and low profile tyres owing to the rugged design which allows to withstand high forces
- The pneumatic mounting tool VAS 6312-1 can be attached to the machine for easier handling of wide tyres and even run-flat tyres, if equipped with a suitable adaptor.
- VAS 6314 comes standard with a plastic insert in the mounting nose and plastic caps on the jaws to preserve tyres and rims.
- The innovative design of the jaws extend the outer clamping range to 10" - 24".
- The mounting column can be tilted backwards and forwards pneumatically upon pedal operation and is locked pneumatically in working position.
- The mounting head is pneumatically approached to the rim and adjusted in spaced-apart position both vertically and horizontally. The mounting arm is horizontally guided by means of a roller.
- Turntable speed can be preset via pedal (to either 7 or 13 rpm)
- The bead breaker blade and the relative pedal are in ergonomic position.
- The over-sized bead breaker blade supported in 3 joints allows gentle demounting of the tyre from the rim and an anti-skid rubber pad prevents the tyre from slipping.
- The bead breaker arm is adjustable to two ranges.
- In conjunction with the pedal-controlled tyre inflator and the pressure gauge the quick-inflation valve ensures quick and safe inflation of the tyre.
- Five ergonomic pedals allow easy handling
- WAVE tyre lever
- Servicing unit with pressure-relief valve and oiler
- Holder for tyre lubricant container
- Plastic rim protection
- Tool box with valve and tool compartments and integrated precision gauge

The professional tyre changer for wheels up to 30"



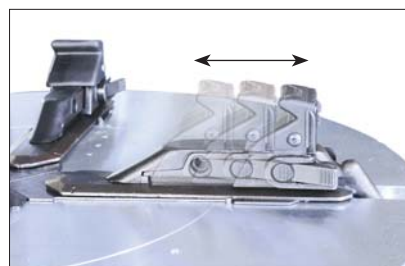
The VAS 6346 is equipped with the pneumatic mounting tool VAS 6312-1, hence can handle all conventional and run-flat tyres in the market quickly and easily (additional optional accessories are required for PAX and CSR).

- Clamping capability from the outside up to 26" (up to 30" with optional jaws)
- Double acting bead breaking cylinder



- Over-size bead breaking blade
- Bead breaker adjustable in 2 positions
- Bead breaker with robust, anti-skid rubber pad
- Pedal-operated chuck with two speeds
- Rugged design of machine post

- Mounting head vertically and laterally adjustable in spaced-apart position relative to the rim (pneumatic)
- Mounting head with a plastic protection
- Pneumatically controlled movement of mounting head towards rim flange
- Horizontal arm guided on rollers
- Pedal-controlled tyre inflator
- Quick-inflating valve
- Tool box with valve and tool compartments and integrated precision gauge
- Ergonomic position of pedals relative to the operator.
- Including tyre lever WAVE and various plastic protections



- Sliding jaws for ergonomic mounting of large tyres

Pneumatic mounting tool



Pneumatic mounting tool VAS 6312-1 Accessory for tyre changers VAS 6312, VAS 6313, VAS 6314

- VAS 6312-1 is indispensable for mounting and demounting low profile tyres and run-flat tyre systems.
 - The integrated pneumatic bead hold-down device turns 360 deg. with the wheel, doing the otherwise tedious job of the operator while preserving both tyre and rim.
 - A pneumatically controlled roller directly on the mounting head acts as bead hold-down device during the mounting procedure.
 - The hold-down device retains the tyre in the drop centre of the rim so that the upper bead can easily be lifted over the mounting nose which facilitates demounting considerably.
 - Another pneumatically operated lift is the ideal aid to demount the lower bead in the demounting procedure.
 - The hold-down device can be used as a lifting device for the lower bead during demounting operations.
 - Easy retrofit to VAS 6312, VAS 6313, VAS 6314 is possible.
- The pneumatic mounting tool VAS 6312-1 can be easily fitted by the customer.
 - VAS 6312-1 includes a video tape showing operation and function.

Tyre changer VAS 6315



VAS 6315

- Dedicated tyre changer for professional mounting and demounting of PAX tyres without necessity to unclamp and clamp the wheel again.
- Both PAX beads can be mounted simultaneously.
- Integrated wheel lift for ergonomic lifting of the wheel up to the shaft of the machine
- Shelves for tools, cones, etc. directly attached to the machine
- All controls within easy reach of the operator
- Optional kit to handle the clipped PAX insert
- Quick-clamping nut
- 2 Tyre levers
- Rim protection
- 3 Cones to clamp the wheels
- Manual tyre inflator
- Servicing unit with pressure-relief valve and oiler

Accessories for VAS 6312, 6313, 6314

Ref. no. 30660



Tyre lever ALU

Ref. no. 4026290



Roller board

Ref. no. 4026853



Plastic rim protection (already included in delivery of VAS 6314)

Ref. no. 4029261



Adjustable disc to demount the upper bead; to be used only in conjunction with the pneumatic mounting tool VAS 6312-1

Ref. no. 4029520



RSC kit for run-flat tyres (VAS 6312-2)

To be used with the pneumatic mounting tool VAS 6312-1 when handling run flat tyres.

The kit VAS 6312-2 consists of:

- Plastic protection for bead breaker blade
- Magic bead pusher
- Plastic tyre protection
- Rod with roller 35 mm

Accessories for VAS 6315

Ref. no. 6027357



PAX tool

Ref. no. 27974



Bead hold-down device for PAX wheels

Ref. no. 24936



Centring cone, dia. 112 – 170 mm, to clamp PAX wheels with large centre bore

Technical data and standard equipment

Technical data		VAS 6312	VAS 6313	VAS 6314	VAS 6315	VAS 6346
Inner clamping range	inch	12–22	12–22	12–24		14–28
Outer clamping range	inch	10–20	10–20	10–24		12–26 (optional 16–30)
Rim diameter	mm				320–560	
Rim width	inch	3–12	3–12	3–14	300 mm	3–16
Max. wheel diameter	inch	12	12	15	13	17
Bead breaking range	mm	1000	1000	1000	900	1200
Max. opening of bead breaker	mm	40–340	40–340	40–440		60–305 / 150–675
Compressed air supply	bar	8–10	8–10	8–10	8–12	8–10
Space requirement (HxWxD)	mm	1860 x 1160 x 1630	1850 x 1160 x 1700	1900 x 1350 x 1650	1210 x 1200 x 100	2000 x 1350 x 1650
Weight	kg	210	220	240	220	320
Power supply		3 / PE AC 380–415 V / 50 Hz (special voltages on request)				
Chuck speed	rpm	7,0	7 / 13	7 / 13	8	7 / 13

Standard equipment		VAS 6312	VAS 6313	VAS 6314	VAS 6315	VAS 6346
Tyre lever		•	•	•		•
Servicing unit with pressure relief valve and oiler		•	•	•	•	•
Manual inflator with holder		•				
Pedal-controlled tyre inflator			•	•		•
Plastic protection for mounting nose		•	•	•		•
Holder for tyre lubricant container		•	•	•		•
Plastic protection for clamping jaws		•	•	•		•
Plastic rim protection		•	•	•		•
Tyre lever WAVE				•		•
Retrofit of VAS 6312-1 possible		•	•	•		standard

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