BRAKE SERVICE EQUIPMENT AND TOOLS



WK2026

Brakethrough Technology

Test and inspection equipment 5

Bleeding equipment 19

Disposal equipment 41

Special tools for brakes 47

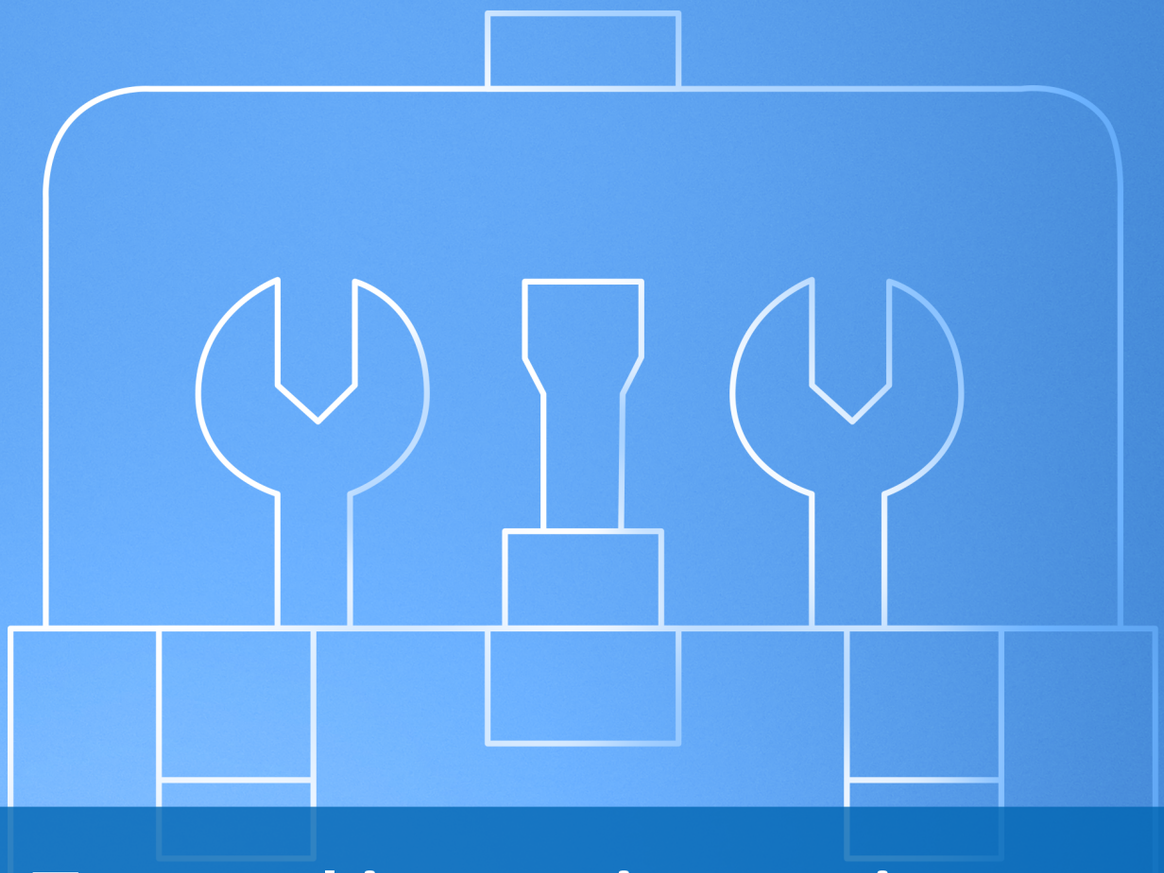
Bleeding unit adapters list 95

Spare parts list 97

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Inhalt



Test and inspection equipment

Brake fluid test equipment BFCS 300



Order no: 03.9311-0073.4
Short order no: 730085

Brake fluid is hygroscopic, which means that it absorbs water over the course of time. This causes the boiling point to drop and the risk of vapor bubble formation increases. This is why the brake fluid needs to be checked regularly in the workshop and replaced if necessary.

The brake fluid test equipment ATE BFCS 300 allows the boiling point of all standard glycol-based brake fluids (DOT3, DOT 4, DOT 5.1) to be measured. It works using the principle of immersion heating, the only way to determine the exact boiling point no matter which brake fluid is used.

For the test process, a disposable pipette is used to take a sample of the brake fluid from the fluid reservoir and place this in a disposable sampling vial. Both the pipette and the vial are included in the ATE sampling set. Then the brake fluid sample is heated in the ATE BFCS 300 to boiling. The temperature value determined (up to 300°C) is shown digitally on the front of the equipment and can be documented using the printer which is optionally available. The measuring process itself only takes approx. 30 seconds.

An integrated short and long-term counter saves the number of measurements carried out. The last 10 measurements can be retrieved via the modern membrane keyboard and printed using the optional printer. The wide range power adapter provides options for voltage supplies from 90 – 250V. The ATE BFCS 300 has the CE test mark.

Benefits:

- Precise determination of the boiling point using the immersion heater method
- Can be used for all brake fluid types on a glycol-basis with a boiling temperature of up to 300 °C
- Extremely easy to use

Shipment:

- Complete unit
- Power cable, Euro (Typ F)
- Five disposable pipettes and five disposable sampling vials
- Operating manual

Qualitymark: CE

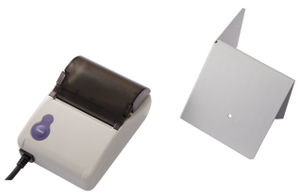
Hint: Never use the equipment without a sample.

Technical data:	
Accuracy:	
at 150-200 °C	+/-4 to +/- 6 °C
at 200-280 °C	+/- 7 to +/- 9.5 °C
at 280-300 °C	+/- 10 to +/- 15 °C
Measuring time:	15 to 35 seconds
Power consumption:	during measurement 170 VA
	on standby 33 VA
Dimensions: H x W x D	180 x 225 x 225 mm
Weight:	1,6 kg

Sensor head replacement	
Order no	03.9311-0072.1
Short order no	730061

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Printer BFCS 300



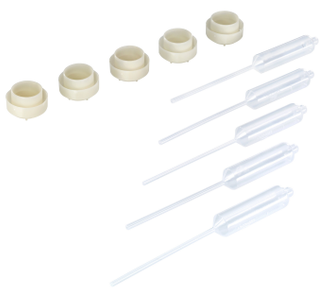
Order no: 03.9311-0074.2
Short order no: 730084

Using the printer for the BFCS 300 you can print out the boiling temperature recorded quickly and easily with just one push of a button. The documented temperature values can then be saved in the respective file.

Shipment:
- Printer
- Mounting bracket

Rolls of printer paper	
Order no	03.9311-0096.3
Short order no	730079

Sampling set BFCS 300



Order no: 03.9311-0019.2
Short order no: 730066

The disposable pipette is used to extract the brake fluid being tested from the vehicle and fill it into the disposable specimen vial so that the boiling point can be determined with the ATE BFCS 300.

Shipment:
- 50 disposable pipettes
- 50 disposable specimen vials

Hint: Every time a measurement is taken, it is recommended that both a new pipette and a new specimen vial are used, so as to avoid falsifying the results.

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Brake fluid tester BFT 320.2



Order no: 03.9311-0083.4
Short order no: 730087

Brake fluid is hygroscopic, i.e. it absorbs a lot of water in the course of time. This will lower its boiling point and increase the risk of steam bubbles forming. You should therefore have a garage periodically check and replace the brake fluid as appropriate.

ATE's BFT 320.2 takes accurate boiling point readings of all glycolic brake fluids (DOT 3, DOT 4, DOT 5.1). It applies the boiling method which is the only way of finding the exact boiling point of any type of brake fluid.

ATE BFT 320.2 heats the brake fluid to its boiling point and then displays the temperature reading. A measuring cycle only takes about 30 seconds. The result is then output to the digital reading-friendly display. Replacing the brake fluid 'just in case' thus is a thing of the past.

Brake fluid tester ATE BFT 320.2 is easy to manage, features a 12 Volt connector, and is a very convenient means of measuring the brake fluid's boiling point directly in the vehicle's expansion tank. The sampling beaker and syringe from the package allow measurements to be made outside the vehicle.

Benefits:

- Thermal boiling method for accurate brake fluid boiling point readings
- Easy to handle
- Plain and user-friendly menu navigation
- Digital display of boiling temperature
- Easy to manage, measures directly in the expansion tank
- 12 Volt connector for mobile use
- Designed for high boiling point brake fluids (up to 320 °C)

Shipment:

- Complete tester
- Sampling beaker and syringe
- Operating instructions
- Robust case

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Brake fluid tester BFT 320P



Order no: 03.9311-0085.4
Short order no: 730077

Brake fluid is hygroscopic, i.e. it absorbs a lot of water in the course of time. This will lower its boiling point and increase the risk of vapour lock. You should therefore have a garage check and replace the brake fluid as appropriate.

ATE's BFT 320P takes laboratory-scale boiling point readings of all Glycol brake fluids (DOT 3, DOT 4, DOT 5.1). It applies the boiling method which is the only way of finding the exact boiling point of any type of brake fluid.
ATE BFT 320P heats the brake fluid to its boiling point. Then it displays the temperature reading and outputs it to the printer. A measuring cycle only takes about 30 seconds. Its easily readable digital result appears on the display followed by a recommendation to replace the brake fluid, if required Replacing the brake fluid 'just in case' thus is a thing of the past. Brake fluid tester ATE BFT 320P is easy to manage, features a 12 Volt connector, and is a very convenient means of measuring the brake fluid's boiling point directly in the vehicle's expansion tank. The sampling beaker and pipette from the package allow measurements to be made outside the vehicle.

Use the thermal printer to produce a hard copy of the reading and measurement for customer and garage use. A bracket lets you easily attach the printer to the brake fluid tester to automatically print two copies of the measuring result together with a recommendation to replace the brake fluid.

Benefits:

- The boiling method is the only method that produces exact results for any type of brake fluid
- Easy to use navigation menu (D, GB, F, I, E, P, PL, CZ, SK)
- Display of digital boiling point reading and recommendation to replace the brake fluid (D, GB, F, I, E, P, PL, CZ, SK)
- Supports measuring inside the expansion tank
- Designed for high boiling point brake fluids (up to 320 ºC)
- Two hard copies of the result for customer and garage use

Shipment:

- Complete tester
- Thermal printer and bracket
- Sampling beaker and pipette
- Operating instructions
- Robust case

Technical data:	
Accuracy:	
at 100-180º C:	+/- 3%
> 180º C:	+/- 5%
Measuring time:	approx. 30 seconds
Power supply:	12 Volt

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Sampling set BFT 320(P)

The disposal pipette is used to extract the brake fluid being tested from the vehicle and fill it into the disposable specimen vial so that the boiling point can be determined with the ATE BFT 320

Shipment:

- 10 disposable pipettes
- 10 disposable specimen vials

Hint: Every time a measurement is taken, it is recommended that both anew pipette and a new secimen vial are used, so as to avoid falsifying the results

Order no: 03.9311-0093.3
Short order no: 730076

Rolls of printer paper



Spare rolls of thermal printer paper for brake fluid tester BFT 320P / BFCS 300

Shipment:

- 4 rolls of printer paper

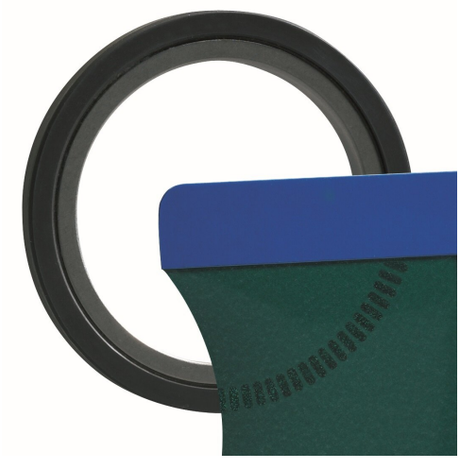
Order no: 03.9311-0096.3
Short order no: 730079

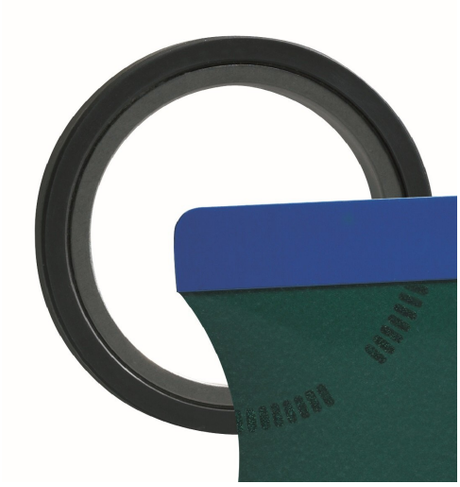
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Test card for magnetic sensor wheels



Order no: 03.9301-0200.1
Short order no: 760130





The new active wheel speed sensors work with magnetic sensor wheels, which are integrated in the rubber sealing ring of the wheel bearing. For this, the rubber is enriched with iron dust and then given magnetic fields which are highly sensitive. It is not possible the check the magnetic sensor wheels visually.

Before a new wheel bearing is installed, it is therefore absolutely necessary that the wheels be checked. The part could be faulty, and the direction of installation must be determined. But when checking errors in the ABS it may also be necessary in the case of sensor errors to check the magnetic sensor wheels.

With the ATE test card for magnetic sensor wheels, these tests can be carried out reliably, easily and inexpensively. The magnetic fields of the sensor wheel are shown visually in the display window of the ATE test card, making it possible to check them.
The ATE test card for magnetic sensor wheels comes with an integrated protective case.

Benefits:

- Fast, simple and inexpensive.

Shipment:

- Test card with integrated protective case, with brief operating instructions.

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Extension hose



With the ATE extension hoses, each of the connecting hoses on the pressure gauge unit (3.9305-1020.4 / 730032) can be lengthened by 5 meters.

Benefits: If 2 extension hoses are used on the pressure-gauge unit, a total hose length of 16.0 m can be achieved.

Technical data:	
Length:	5.0 m
Thread:	M10x1

Order no: 03.9305-1042.2
Short order no: 730043

Pedal arrester





When carrying out leakage checks on the hydraulic brake system it is necessary to maintain a constant brake-pedal pressure over a long period. Constant brake-pedal pressure is also needed to check and adjust brake-pressure regulators or limiters. The ATE pedal arrester is ideal for this purpose.
The soft support plate is placed against the driver's seat and the serrated side against the brake pedal. The required pressure can be set using the handwheel, that operates on a toothed rack. A catch locks the unit at the required value.

Benefits: The required pressure can be set precisely with the handwheel and toothed rack.

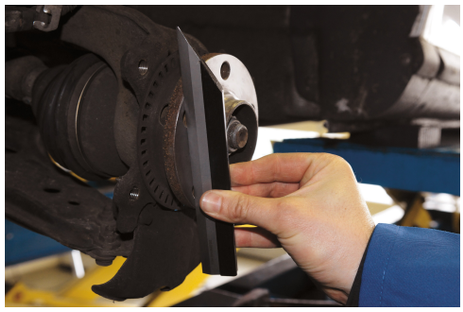
Technical data:	
Length:	450-650 mm

Order no: 03.9312-0100.4
Short order no: 760032

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Straight edge





Order no: 03.9314-0022.1
Short order no: 760094

Before a brake disk is mounted, the wheel hub should be checked for flatness (distortion). This is easily done with the ATE straight edge, and the light gap method. Its length of 200 mm allows even larger surfaces to be easily checked.

Benefits:

- quick and easy and universal use with the light gap method

Shipment:

- ATE straight edge
- handy case to protect the straight edge

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Digital brake disk caliper gauge



Order no: 03.9314-0011.3
Short order no: 760174

The digital ATE brake disk caliper gauge is an indispensable tool for precisely determining brake disk wear. It enables quick and easy measurement of brake disk thickness, i.e., the degree of wear. The measuring range is 65 mm and the length of the measuring jaws is 55 mm. The design of the measuring jaws permits exact measurement even if the disc has a ridge.

Work with the digital ATE brake disc caliper gauge couldn't be easier. After the measuring jaws have been positioned on the brake disk, the result of measurement is shown in figures on the display. The reading is saved by briefly pressing the hold button. The caliper gauge then can be opened and removed from the brake disk. The reading remains saved until the hold button is pressed again. This is a big advantage especially if accessibility is a problem or poor lighting conditions in the wheel well impede reading. The result of measurement thus can be conveniently read and compared with the desired value.

If required, null balancing of the gauge can be quickly initiated at the push of a button. The user can freely choose between 'mm' and 'inch' as units of measure.

The big advantage of the digital ATE brake disk caliper gauge is that no special know-how is required for taking readings. The digital reading display is self-explanatory even to laypersons and can be nicely used for sales talks with the customer.

Benefits:

- Convenient, reliable reading of measurements
- Easy saving of readings
- Measuring jaw design permits accurate measurement even if a brake disk has a ridge
- Sturdy design suited for workshop use

Shipment:

- Complete instrument in sturdy plastic box
- Substitute battery LR44
- Operating instructions

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Magnetic dial-gauge holder



The ATE magnetic dial-gauge holder, used in conjunction with the ATE dial gauge, enables lateral and radial run-out measurements to be taken on brake disks and wheel hubs. Its 70 movable steel pins provide a perfect fit on uneven surfaces. This means that the 60 N strong magnet adheres optimally. The three swivel arms can be secured by means of a clamping screw and allow the ATE dial gauge to be aligned with any measuring point. A fine adjustment mechanism at the clamp of the dial-gauge permits precise zero point calibration of the ATE dial gauge.

Benefits:

- 70 flexible steel segments adapt perfectly to any shape surface
- Constant securing force
- One clamping screw fixes all three swivel arms at the same time
- Fine tuning via a knurled screw

Shipment: Supplied without dial gauge

Order no: 03.9314-0019.2
Short order no: 760092

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Dial gauge with large measuring range



Order no: 03.9304-0034.2
Short order no: 760093

The ATE dial gauge with 1/100 mm reading accuracy is used to measure brake disks and wheel hubs. If measurement is to be carried out in situ on the vehicle, an ATE dial-gauge holder is required.
The 8 mm clamping shaft diameter of the ATE dial gauge is standardized. The long probe allows measurement of a wheel hub despite wheel studs. The special exchangeable ball-shaped probe allows easy measurement of brake disks such as the ATE Power Disc.
The knurled, rotatable outer ring with 360º tick scale allows pointer zero adjustment and makes the ATE dial gauge easy to read. Two adjustable tolerance marks make it easy to take an accurate reading.

Benefits:

- Wheel hub can be measured despite wheel studs
- With exchangeable ball-shaped probe

Shipment:

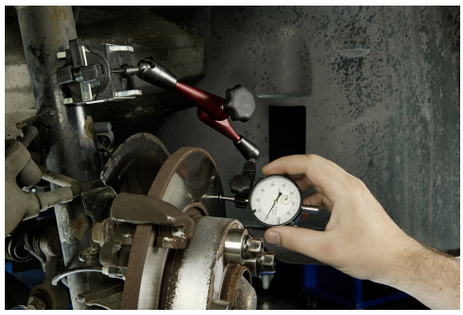
- Dial gauge with probe
- Special ball-shaped probe

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Spacer disc set



Order no: 03.9314-0025.3
Short order no: 740322



The ATE spacer discs make fast and secure fastening of the brake disc on the wheel hub possible. Using original wheel bolts or nuts up to M14 with spherical or tapered collar, the brake disc is fastened professionally on the hub and prepared for the measurement of axial and radial run-out.

Benefits:

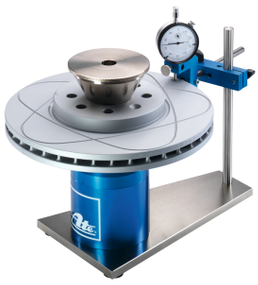
- Large vehicle cover
- Suitable for tapered or spherical collar
- A practical order system keeps everything together and in its place

Shipment: 5 pieces spacer discs

Technical data:	
Outside diameter:	32 mm
Hole diameter	14,2 mm
Height:	15 mm

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Brake disk measurement equipment



Order no: 03.9304-0100.4
Short order no: 730072



The ATE brake disk measurement equipment allows precise measurement of the lateral run-out and thickness tolerance of brake disks which have been removed from the vehicle (without bearing seat). Brake disks of diameters up to 360 mm can be measured. Precise measurement of the brake disk is ensured by the no-play bearing and the polished contact surface of the support cups. The brake disk to be measured is centered precisely using a cone. The exchangeable support cups mean that there is a small support area available for measuring small brake disks.
A dial gauge (with a 0.1 mm scale) is included with the unit. When combined with the ball-shaped probe, measurements can be carried out on all types of brake disks (e.g. ATE Power Disc).

Benefits:

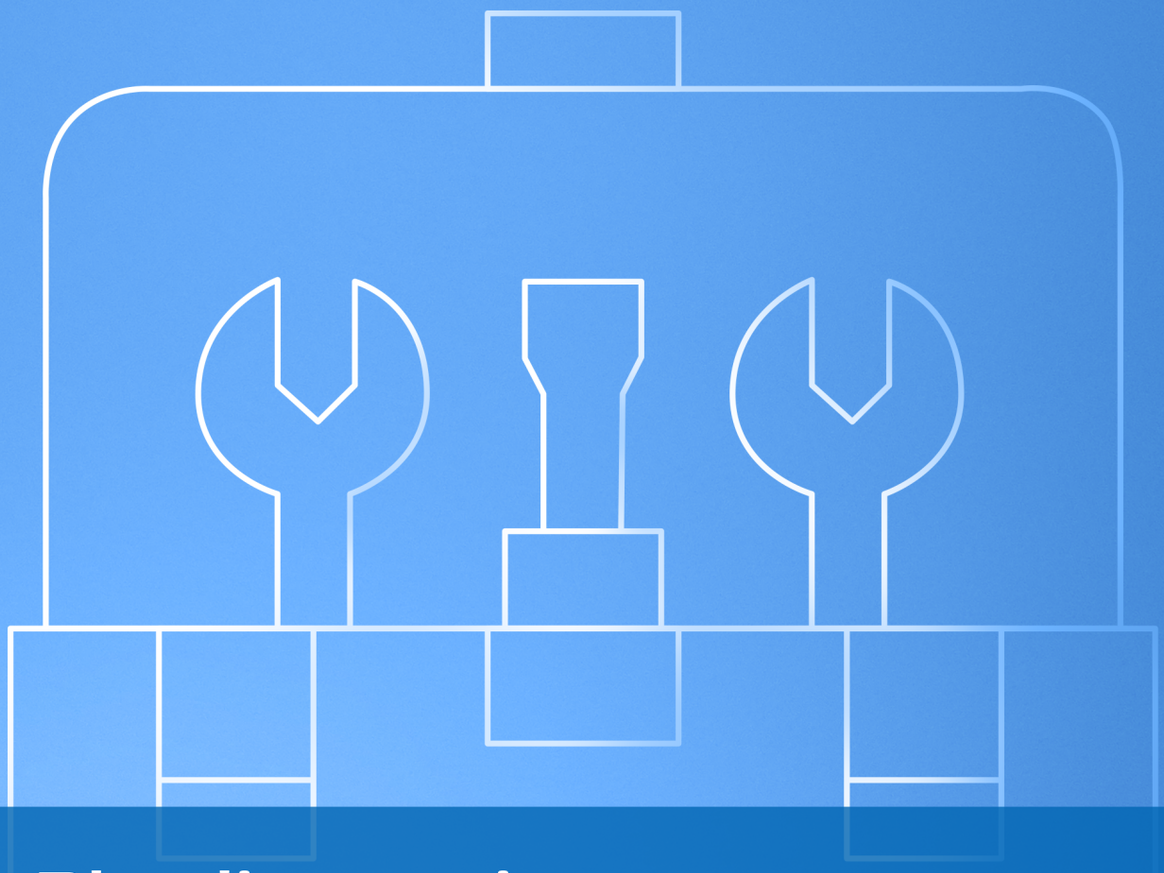
- Extremely simple to use
- Lateral run-out and thickness measured with one tool
- Measurements read on a single dial gauge

Shipment:

- Complete brake disk measurement equipment with large and small support cup
- Dial gauge with probe
- Ball-shaped probe
- Operating instructions

Technical data:	
Accuracy:	1/100 mm
Dimensions: L x W x H	300 x 170 x 230 mm
Weight:	6.85 kg

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Bleeding equipment

5 liter electrical brake bleeding unit FB 5e



Order no: 03.9302-1500.4
Short order no: 740295



The ATE FB 5e is a particularly easy to operate, robust and economical brake bleeding unit. It fulfills all the requirements for filling, flushing and bleeding of modern electronic brake systems. Two pressure stages are available for this: 1.0 and 2.0 bar. This corresponds to the stipulations of leading car manufacturers and avoids faulty setting of the working pressure. The working pressures are set using a rocker switch. Checking with a pressure gage is not necessary because of the predetermined pressure. The current low-viscosity brake fluids set stringent standards for the safe operation of a brake filling and bleeding unit, and these were taken into particular account during the development of the ATE FB 5e. A special pump creates a pulsing fluid flow which supports the complete flushing and bleeding of the braking system.

The ATE FB 5e works directly from the ATE 5 Liter can, which is securely fixed in the unit using a clamping strap. There is no longer any need for the time-consuming transfer of brake fluid. The suction lance is held securely in the can by a screwed fitting. When the brake fluid can being used is empty, the float lever closes the intake port of the suction lance. This ensures that air can never be pumped into the braking system.

Practical features are the holders mounted on the side of the ATE FB 5e for the filling hose and the mains cable as well as for holders for the three bleeding spigots on the rear of the unit. The large handle can be used for carrying the unit comfortably. All materials used on the ATE FB 5e are resistant to brake fluid.

The ATE FB 5e is delivered with a bleeding spigot no.: 20 (Europe spigot).

Benefits:

- Economical
- Particularly sturdy
- Easy to operate
- Two pressure stages, avoids incorrect settings
- Suitable for low-viscosity brake fluids
- Pulsing brake fluid flow

Shipment:

- Complete unit
- Operating manual
- Bleeding spigot no.: 20 (Europe spigot)

Qualitymark: CE

Technical data:	
Brake fluid capacity:	5 liters
Power supply:	230 V ~ , 50 - 60 Hz
Delivery rate of pump:	approx. 12 l/h at 2 bar pressure
Length of connecting cable:	4.2 m
Filling hose length:	3.5 m
Dimensions: HxWxD:	530 x 270 x 250 mm
Weight:	8.5 kg
Noise level	68 dB(A)

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5 liter electrical brake bleeding unit FB 5ev



Order no: 03.9302-1502.4
Short order no: 740321



The ATE FB 5ev is a particularly compact and sturdy 5 liter brake bleeding unit. It fulfils all requirements related to the filling, flushing and bleeding of modern electronic brake systems. The variable pressure setting is available in a range from 0.4 to 3,5 bar and thus meets all pressure ranges of leading vehicle manufacturers. The working pressures are set to the working pressure required using a rotary controller and can be checked using aclass 1.6 manometer.

Today's modern low-viscosity brake fluids make high demands on the safe function of a brake filling and bleeding unit. Special attention was paid to this during development of the ATE FB 5ev. A special pump generates a pulsating fluid flow which supports the complete flushing and bleeding of the brake system. The ATE FB 5ev works directly out of the ATE 5 liter canister, which is fixed securely in the unit using a stable fixture. This means time-consuming brake fluid transfer is no longer necessary. The suction lance is held safely in the container by a rubber sealing cone.

Thanks to the permanent pressure monitoring, the pump is switched off when the can is empty, preventing air being pumped into the brake system. A practical feature of the ATE FB 5ev are the filling hose and power cable holders on the side and the three bleeder adapters on each side of the unit.

The power cable is connected to the unit by a non-heating device plug (IEC 60320) and thus allows the power cable to be exchanged quickly in the event of damage or for use with other country-specific cables. The large carrying handle supports the unit's mobility.

The ATE FB 5ev is delivered with a bleeding adapter no.: 20.

Benefits:

- Variable pressure setting 0.4-3,5 bar
- Compact design
- Especially sturdy
- Simple to operate
- Suitable for low-viscosity brake fluids
- Pulsating brake fluid flow

Shipment:

- Complete unit
- Operating instructions
- Bleeding adapter no.: 20

Qualitymark: CE

Technical data:	
Brake fluid capacity:	5 liters
Power supply:	230 V ~ , 50 - 60 Hz
Delivery rate of pump:	approx. 24 l/h at 2 bar pressure
Working pressure:	0,4-3,5 bar
Automatic cut-off of pump:	at approx. 9mm remaining fluid level in the can
Length of connecting cable:	5 m IEC
Filling hose length:	3,5 m
Dimensions: H x W x D :	530 x 285 x 250 mm
Weight:	8,6 kg
Noise level:	66 dB(A)

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5 liter electrical brake bleeding unit FB 5evm



Order no: 03.9302-1508.4
Short order no: 740338

The ATE FB 5ev is a particularly compact and sturdy 5 liter brake bleeding unit. It fulfils all requirements related to the filling, flushing and bleeding of modern electronic brake systems. The variable pressure setting is available in a range from 0.4 to 3,5 bar and thus meets all pressure ranges of leading vehicle manufacturers. The working pressures are set to the working pressure required using a rotary controller and can be checked using aclass 1.6 manometer.

Today's modern low-viscosity brake fluids make high demands on the safe function of a brake filling and bleeding unit. Special attention was paid to this during development of the ATE FB 5ev. A special pump generates a pulsating fluid flow which supports the complete flushing and bleeding of the brake system. The ATE FB 5ev works directly out of the ATE 5 liter canister, which is fixed securely in the unit using a stable fixture. This means time-consuming brake fluid transfer is no longer necessary. The suction lance is held safely in the container by a rubber sealing cone.

Thanks to the permanent pressure monitoring, the pump is switched off when the can is empty, preventing air being pumped into the brake system. A practical feature of the ATE FB 5ev are the filling hose and power cable holders on the side and the three bleeder adapters on each side of the unit.

The power cable is connected to the unit by a non-heating device plug (IEC 60320) and thus allows the power cable to be exchanged quickly in the event of damage or for use with other country-specific cables. The large carrying handle supports the unit's mobility.

The ATE FB 5ev is delivered with a bleeding adapter no.: 20.

Benefits:

- Variable pressure setting 0.4-3,5 bar
- Compact design
- Especially sturdy
- Simple to operate
- Suitable for low-viscosity brake fluids
- Pulsating brake fluid flow

Shipment:

- Complete unit
- Operating instructions
- Bleeding adapter no.: 20

Qualitymark: CE

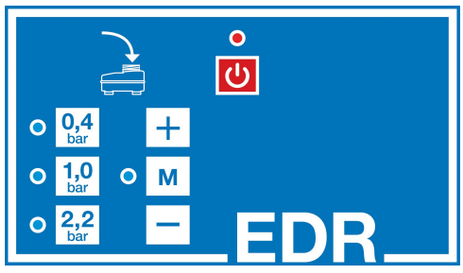
Technical data:	
Brake fluid capacity:	5 liters
Power supply:	230 V ~ , 50 - 60 Hz
Delivery rate of pump:	approx. 24 l/h at 2 bar pressure
Working pressure:	0,4-3,5 bar
Automatic cut-off of pump:	at approx. 9mm remaining fluid level in the can
Length of connecting cable:	5 m IEC
Filling hose length:	3,5 m
Dimensions: H x W x D :	530 x 285 x 250 mm
Weight:	8,6 kg
Noise level:	66 dB(A)

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30-liter electric brake bleeding unit FB 30 EDR



Order no: 03.9302-3005.4
Short order no: 740312



Modern service units are required for changing the brake fluid on modern vehicles with electronic brake systems. Thanks to its innovative technology of "electronic pressure control" (EDR) with variable and preset pressure stages, the new ATE FB 30 is the benchmark for brake filling and bleeding units. With its central ergonomic operating panel the new ATE FB 30 is controlled between the variable and preset pressure stages. Signal lamps show the function selected. All functions are arranged clearly on the operating panel.

There are three pressure stages available for filling, flushing and bleeding the brake system: 0.4/1.0/2.2 bar. There is also a variable pressure setting of 0.4–3.5 bar available. A manometer enables the pressure selected to be checked.The modern low-viscosity brake fluids available make great demands on the safe function of a brake filling and bleeding unit. During development of the ATE FB 30, great value was placed on the safe function with all standard DOT3 and DOT4 brake fluids. The ATE FB 30 brake filling and bleeding unit works directly from brake fluid cans with 5, 20 and 30 liters capacity which are secured in the unit by means of a retainer. There is no longer any need for the time-consuming transfer of brake fluid. Alongside the ATE brake fluid cans, other cans available from retailers can also be used. A special holder ensures that the suction lance is fitted firmly in the can. There is a special bleeding valve integrated in the rubber sealing cone which only allows air to enter the can when brake fluid is being removed. This prevents air being drawn into the can in an uncontrolled way. If the brake fluid can becomes empty, the ATE FB 30 is switched off automatically in order to guarantee that no air gets into the brake system. A clear acoustic signal and signal lamp indicate that the can needs changing.Practical features include the holders for the filling hose and power cable attached to the side of the ATE FB 30, as well as three outlets for bleeding spigots. There is a practical storage tray on the unit for depositing small parts or tools. Large wheels at the rear combined with the ergonomic handle make convenient and safe maneuvering of the ATE FB 30 possible.The ATE FB 30 is delivered with bleeding spigot no. 20 (Europe spigot).

Benefits:

- Fast and effective work through fixed pressure stages
- Manual selection of pressure between 0.4 - 3.5 bar depending on the application
- Suitable for all common brake and clutch systems
- Can be operated with all standard mains voltages
- Different country-specific power cables available
- Constant working pressure thanks to electronic pressure control EDR
- Suitable for low-viscosity brake fluids
- Different brake fluid cans can be used
- Automatic switch-off and acoustic warning signal when can is empty
- Signal lamps for the respective operating states
- Holders for power cable, filling hose and six bleeding spigots

Shipment:

- Complete unit (without new fluid can)
- Operating manual
- Power cable with shockproof plug (03.9302-9201.2)
- Bleeding unit adapter no.: 20 (Europe)

Qualitymark: CE

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Technical data:	
Brake fluid capacity:	5 to 30 liters
Power supply:	100 - 240 V ~ , 50 - 60 Hz
Delivery rate of pump:	1.1 l/min
Electronic pressure control system (EDR), pressure levels:	pressure-less / 0.4 bar / 1.0 bar and 2.2 bar
Automatic cut-off of pump:	at approx. 9 mm remaining fluid level in the can
Length of connecting cable:	5 m
Filling hose length:	3.5 m
Dimensions: H x W x D:	915 x 440 x 365 mm
Weight:	16 kg
Noise level	66 dB(A)

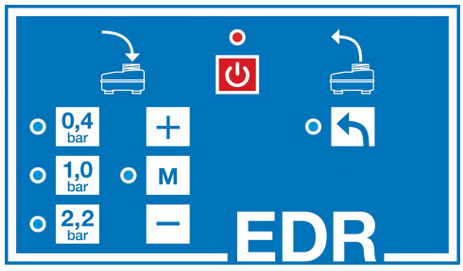
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FB 30 S - 30-liter electric brake bleeding unit with integrated suction device



Order no: 03.9302-3015.4
Short order no: 740313





Modern service units are required for changing the brake fluid on modern vehicles with electronic brake systems. Thanks to its innovative technology of "Electronic pressure control" with variable and preset pressure stages, as well as the integrated suction device, the new ATE FB 30S is the benchmark for brake filling and bleeding units.

With its central ergonomic operating panel the new ATE FB 30S is controlled between the functions suction as well as filling/bleeding. Signal lamps show the function selected. All functions are arranged clearly on the operating panel.

There are three pressure stages available for filling, flushing and bleeding the brake system: 0.4/1.0/2.2 bar. There is also a variable pressure setting of 0.4–3.5 bar available. A manometer enables the pressure selected to be checked.

Modern low-viscosity brake fluids available make great demands on the safe function of a brake filling and bleeding unit. During development of the ATE FB 30S, great value was placed on the safe function with all standard DOT3 and DOT4 brake fluids. The ATE FB 30S brake filling and bleeding unit works directly from brake fluid cans with 5, 20 and 30 liters capacity which are secured in the unit by means of a retainer. There is no longer any need for the time-consuming transfer of brake fluid. Alongside the ATE brake fluid cans, other cans available from retailers can also be used. A special holder ensures that the suction lance is fitted firmly in the can. There is a special bleeding valve integrated in the rubber sealing cone which only allows air to enter the can when brake fluid is being removed. This prevents air being drawn into the can in an uncontrolled way. If the brake fluid can becomes empty, the ATE FB 30S is switched off automatically in order to guarantee that no air gets into the brake system. A clear acoustic signal and signal lamp indicate that the can needs changing.

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Professional brake fluid changing also includes cleaning the fluid reservoir. For this, the old and soiled brake fluid is extracted from the fluid reservoir. An integrated, independent and especially robust pump is used for extracting the used brake fluid. Even difficult-to-access reservoirs are easy to empty using the extendable coil hose (around 3 meters long). A filter integrated into the suction hose protects the pump from coarse dirt particles. The extracted brake fluid is collected in a transparent drain bottle which has a capacity of about 2.2 liters. This is matched to the ATE disposal system and can be emptied easily. Conventional emptying is also possible via the screw cap.

Practical features of the ATE FB 30 S are the filling hose and power cable holders on the side, as well as holders for three bleeding spigots. There is a practical storage tray on the unit for depositing small parts or tools. Large wheels at the rear combined with the ergonomic handle make convenient and safe maneuvering of the ATE FB 30S possible.

Benefits:

- Fast and effective work through fixed pressure stages
- Manual selection of pressure between 0.4 - 3.5 bar depending on the application
- Suitable for all common brake and clutch systems
- Extraction of used brake fluid
- Can be operated with all standard mains voltages
- Different country-specific power cables available
- Constant working pressure thanks to electronic pressure control EDR
- Suitable for low-viscosity brake fluids
- Different brake fluid cans can be used
- Automatic switch-off and acoustic warning signal when can is empty
- Signal lamps for the respective operating states
- Holders for power cable, filling hose and six bleeding spigots

Shipment:

- Complete unit including collection bottle (without new fluid can)
- Operating manual
- Power cable with shockproof plug (03.9302-9201.2)
- Bleeding unit adapter no.: 20 (Europe)

Qualitymark: CE

Technical data:	
Brake fluid capacity:	5 to 30 liters
Power supply:	100 - 240 V ~ , 50 - 60 Hz
Delivery rate of pressure pump:	approx. 1.1 l/min
Suction pump delivery rate:	approx. 1.0 l/min - 230 V ~ , 50-60 Hz
Electronic pressure control system (EDR), pressure level:	pressure-less / 0.4 bar / 1.0 bar / 2.2 bar
Automatic cut-off of pump:	at approx. 9mm remaining fluid level in the can
Length of connecting cable:	4.2 m
Filling hose length	3.5 m
Dimensions: H x W x D:	915 mm x 475 mm x 380 mm
Weight:	16.8 kg
Noise level	66 dB(A)

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30 l brake bleeding unit FB 30 SR with integrated suction device



Order no: 03.9302-3025.4
Short order no: 740314



Modern service units are required for changing the brake fluid on modern vehicles with electronic brake systems. Thanks to its innovative technology of "Electronic pressure control" with variable and preset pressure stages, as well as the integrated suction device, the new ATE FB 30 SR is the benchmark for brake filling and bleeding units.

With its central ergonomic operating panel the new ATE FB 30 SR is controlled between the functions suction as well as filling/bleeding. The signal lamps show the function selected. All functions are arranged clearly on the operating panel.

There are three pressure stages available for filling, flushing and bleeding the brake system: 0.4/1.0/2.2 bar. There is also a variable pressure setting of 0.4–3.5 bar available. A manometer enables the pressure selected to be checked.

Modern low-viscosity brake fluids available make great demands on the safe function of a brake filling and bleeding unit. During development of the ATE FB 30 SR, great value was placed on the safe function with all standard DOT3 and DOT4 brake fluids. The ATE FB 30 SR brake filling and bleeding unit works directly from brake fluid cans with 5, 20 and 30 liters capacity which are secured in the unit by means of a retainer. There is no longer any need for the time-consuming transfer of brake fluid. Alongside the ATE brake fluid cans, other cans available from retailers can also be used. A special holder ensures that the suction lance is fitted firmly in the can. There is a special bleeding valve integrated in the rubber sealing cone which only allows air to enter the can when brake fluid is being removed. This prevents air being drawn into the can in an uncontrolled way. If the brake fluid can should become empty, the ATE FB 30 SR is switched off automatically in order to guarantee that no air gets into the brake system. A clear acoustic signal and signal lamp indicate that the can needs changing.

Professional brake fluid changing also includes cleaning the fluid reservoir. For this, the old and soiled brake fluid is extracted from the fluid reservoir. An integrated, independent and especially robust pump is used for extracting the used brake fluid. Even difficult-to-access reservoirs are easy to empty using the extendable coil hose (around 3 meters long). A filter integrated into the suction hose protects the pump from coarse dirt particles. The extracted brake fluid is collected in a transparent drain bottle which has a capacity of about 2.2 liters. This is matched to the ATE disposal system and can be emptied easily. Conventional emptying is also possible via the screw cap.

A special base plate prevents unsightly scratches caused by the brake fluid cans.
Practical features of the ATE FB 30 SR are the filling hose and power cable holders on the side, as well as holders for three bleeding spigots. There is a practical storage tray on the unit for depositing small parts or tools. Large wheels at the front and swivel casters at the rear combined with the ergonomic handle make convenient and safe maneuvering of the ATE FB 30 SR possible even with a full 30 liter can. The ATE FB 30 SR is delivered with bleeding spigot no. 20 (Europe spigot).

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Benefits:

- Fast and effective work through fixed pressure stages
- Manual selection of pressure between 0.4 - 3.5 bar depending on the application
- Suitable for all common brake and clutch systems
- Extraction of used brake fluid
- Can be operated with all standard mains voltages
- Different country-specific power cables available
- Constant working pressure thanks to electronic pressure control EDR
- Suitable for low-viscosity brake fluids
- Different brake fluid cans can be used
- Base plate protects against scratches
- Automatic switch-off and acoustic warning signal when can is empty
- Signal lamps for the respective operating states
- Holders for power cable, filling hose and six bleeding spigots
- Four wheels, two of which are swivel casters

Shipment:

- Complete unit including collection bottle (without new fluid can)
- Operating manual
- Power cable with shockproof plug (03.9302-9201.2)
- Bleeding unit adapter no.: 20 (Europe)

Qualitymark: CE

Technical data:	
Brake fluid capacity:	5 to 30 liters
Power supply:	100-240 V ~ , 50 - 60 Hz
Delivery rate of pump:	approx. 1.1 l/min
Suction pump delivery rate:	approx. 1.0 l/min - 230 V ~ , 50-60 Hz
Electronic pressure control system (EDR), pressure level:	pressure-less / 0.4 bar / 1.0 bar / 2.2 bar
Automatic cut-off of pump:	at approx. 9mm remaining fluid level in the can
Length of connecting cable:	5 m
Filling hose lengt:	3,5 m
Dimensions: H x W x D:	915 x 475 x 380 mm
Weight:	16,9 kg
Noise level	66 dB(A)

Standard power cable



Order no: 03.9302-9201.2
Short order no: 740298

The power cable is equipped with a plug according to CEE 7/4 (shockproof plug) and a socket according to IEC-60320 C13. The shockproof plug fits all shockproof sockets commercially available in Europe.

The IEC socket is equipped with a safety mechanism, which locks the socket after inserting the non-heating device plug. This effectively prevents unintentional detachment.

Technical data:	
Length of cable:	4,5 m

Power cable, UK	
Length of cable:	4,5 m
Order no	03.9302-9203.2
Short order no	740300

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Set of bleeding unit adapters (standard)



Order no: 03.9302-0800.3
Short order no: 740271

Set of two the most common standard bleeding unit adapters, the auxiliary hose and thefiilimg gun in a handy plastic case.

Benefits:

- set of the most common accessories to fill and bleed brake systms
- clearly arranged

Shipment:

- Plastic case
- Filling gun= 03.9302-0792.2 / 740323
- Auxiliary hose= 03.9302-0704.2 / 740012

Set of bleeding unit adapters "PLUS"



Order no: 03.9302-0802.3
Short order no: 740296

Set of four of the most common standard bleeding unit adapters for Asian vehicles and a cap screws for fluid reservoir in a handy plastic case.

Benefits:

- set of the most common standard bleeding unit adapters for Asian vhicles
- included cap screws for fluid reservoir
- clearly arranged

Shipment:

- Plastic case
- Cap screws for fluid reservoir:
  Nr. 67 = 03.9302-0784.2 / 740071

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Set of bleeding unit adapters "E-Mobility"



Order no: 03.9302-0803.3
Short order no: 740336

The ATE set of bleeding unit adapters "E-Mobility" includes four selected bleeding unit adapters. It covers the majority of current electric and hybrid vehicles on the European car market. The bleeding unit adapters are well arranged in a stable plastic case to be readily to hand. You can use the QR code on the case to access the latest vehicle applications. The bleeding unit adapters were selected to especially cover the most frequently registered vehicles, such as: Renault Zoe, VW e-Golf / ID3 / ID4, Tesla Model 3 / Model S, Hyundai Kona, Nissan Leaf, BMW I3 and many more.

Benefits:

- Well arranged in a plastic case
- Collection of the most important bleeding unit adapters for most electric and hybrid vehicles

Shipment:

- Plastic case

Mineral oil accessory set



Order no: 03.9302-0720.3
Short order no: 740232

The mineral oil accessory set is required for bleeding and filling systems with mineral oil using the bleeding unit 03.9302-1660.4. It has been specially designed to be completely resistant to mineral oil for this purpose. The bleeding unit adapter has a 45-mm diameter buttress thread.
The auxiliary hose allows the bleeding unit to be connected to one of the bleed valves in the system. The filling gun permits easy refilling without spillage. Spare seals for the bleeding unit adapter and the filling gun are included in the set.

Shipment:

- Bleeding unit adapter with 45-mm buttress thread
- Filling gun
- Auxiliary hose
- Spare seal for bleeding unit adapter
- Spare seal for auxiliary hose

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Auxiliary hose



To connect the bleeding units to a bleed valve of the brake or clutch system.

Technical data:	
Length:	200 mm

Order no: 03.9302-0704.2
Short order no: 740012

ATE 90º adapter with bleeding hose





Order no: 03.9302-0541.3
Short order no: 750014

The ATE 90º bleeding hose is a helpful accessory for bleeding in tight spaces. Thanks to its short design, the adapter is only 19 mm in size and allows brake fluid to be removed in spots which are difficult to access.

Benefits: No bending of the hose

Shipment: Adapter with 2-ear pinch clamp and hose - completely assembled.

ATE 90º adapter spare part	
Order no	03.9302-0540.1
Short order no	750013

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Bleed hose



The ATE bleed hose is a spare part for the ATE collection bottle 03.9302-1424.2 and the ATE collection container 03.9302-0516.2

Technical data:	
Length:	700 mm
Ø:	4x8 mm

Order no: 03.9302-0538.1
Short order no: 750008

Collection bottle



The ATE collection bottle is connected to the bleeder valves of a hydraulic brake system via its silicon hose to collect the used brake fluid when the system is bled or the brake fluid is changed. The ATE collection is transparent, allowing the brake fluid to be checked thoroughly.

Technical data:	
Capacity:	2,2 liters

Order no: 03.9302-1424.2
Short order no: 740151

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Filling gun



The filling gun is used to fill fluid reservoirs using a bleeding unit.

Benefits: Easy-to-use lever for actuates the valve, allowing precise dosage of the fluid.

Order no: 03.9302-0792.2
Short order no: 740323

Suction bellows



The ATE suction bellows is used to draw off brake fluid from the fluid reservoir.
Before the brake fluid is changed or a hydraulic brake system is bled, the old contaminated brake fluid should be drained from the fluid reservoir to prevent any contaminants being distributed throughout the entire brake system. After the brake fluid has been changed or the system has been bled, the brake fluid level should be reduced to the MAX mark using the suction bellows.

Order no: 03.9314-5900.3
Short order no: 760068

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ATE hand pump for brake fluid (350 ml)



Order no: 03.9314-5920.3
Short order no: 760257



ATE's hand pump is an indispensable tool for any brake fluid service. Use it to safely and efficiently drain exhausted brake fluid and accurately fill in new fluid. The flexible and rigid probes get into the most hidden places and leave no area unattended. This ensures complete maintenance. The hand pump is ideal for replacing and topping up brake fluid. Its 350ml capacity is a practical volume that is perfect for workshop use. An integrated valve provides accurate flow control or the complete closure to ensure safe and controlled working without fluid dripping from the hand pump. The piston's DOUBLE sealing ring perfectly seals off the pump and ensures a long service life. Owing to the high-quality steel make, the piston rod is robust and durable. The sturdy plastic cylinder withstands high loads. Its transparent design features a volume scale, which allows for easy and accurate dosing. Thanks to its ergonomic design, you have a reliable hold of the pump and can use it at high temperatures of up to 80ºC. And what is more, the pump assembles simply and easily after cleaning, which enables quick and uncomplicated maintenance.

Benefits:

- Adjustable and sealable flow rate
- Piston with double sealing ring
- Piston rod made of high-quality steel
- Sturdy, transparent plastic cylinder with volume scale
- Operating temperature up to 80ºC
- Easy to clean
- 350 ml capacity

Shipment:

- 350 ml hand pump
- Sealing cap
- Flexible probes
- Rigid probe

Security: Dispose of brake fluid by type

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Suction bottle



La botella de aspiración ATE se usa para aspirar el líquido de frenos del depósito de compensación. Antes de cambiar el líquido de frenos o de purgar el sistema de frenos hidráulico debe aspirarse el líquido de frenos viejo sin depurar el depósito de compensación para que las impurezas no se dispersen por todo el sistema de frenos. Después del cambio de líquido de
frenos o del proceso de purga de aire debe bajarse el nivel de líquido de frenos hasta la marca MAX con la ayuda de la botella de aspiración.

Technical data:	
Capacity:	0.5 liters

Order no: 03.9314-5910.3
Short order no: 760069

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Brake bleeder socket set



Order no: 03.9314-1530.3
Short order no: 760256





The ATE brake bleeder socket set, consisting of long and short sockets, is excellent for opening and closing all common bleed valves during brake fluid changes or when bleeding the brake system. The fine-toothed reversible ratchet allows for switching between opening and closing. The included silicone hose is guided through the ratchet and socket for brake fluid exchange and remains on the bleed valve during fluid exchange. The ergonomic reversible ratchet ensures comfortable and secure operation of the bleed valves without damaging them. The selection of short and long sockets often provides access to the bleed valves without having to remove the wheels.

Benefits:

- Bleeding brake systems without removing the wheels
- Ideal for bleeding brakes and clutch systems
- Can be used in hard-to-reach areas
- Fine-toothed, reversible ratchet makes loosening and tightening easier
- 12 Hexagonal through sockets made of chrome vanadium, matt satin finish
- Hose remains on the bleed valve when loosening/ tightening
- Long silicone hose

Shipment:

- Reversible ratchet matt satin finish made of chrome vanadium
- 6 special socket inserts: SW 7 x 24 mm - 8 x 24 mm - 9 x 24 mm - 10 x 24 mm - 11 x 24 mm - 12 x 24 mm
- 6 special socket inserts: SW 7 x 50 mm - 8 x 50 mm - 9 x 50 mm - 10 x 50 mm - 11 x 50 mm - 12 x 50 mm
- Silicone hose Ø 4x7 mm, 750 mm long

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Set of bleed wrenches





Order no: 03.9314-1500.3
Short order no: 760041

ATE bleeder wrenches can be used to open and close all common bleed valves easily and without damage thanks to the internal hexagon of the ring end that is angled by 10º.

Benefits: Ring end is designed as an internal hexagon wrench.

Shipment: 6 wrenches in a case, sizes: 7, 8, 9,11, 12, 14 mm

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Set of special bleed wrenches







The special ATE bleed wrenches are ring wrenches with an internal hexagonal head to prevent the damage of bleed valves. Thanks to a long offset and a short offset, they can be used without removing the wheel.

Benefits:

- Hexagonal head
- Can be used witout removing the wheel

Shipment: 5 wrenches, sizes: 7, 8, 9,10, 11mm

Order no: 03.9314-1510.3
Short order no: 760103

Pouring spout



With the ATE pouring spout, the ATE bleeding units can be filled precisely and without spilling from 5 and 20 liter ATE brake fluid cans.

Benefits: There is no need for any other equipment, such as funnels etc.

Order no: 03.9314-5940.3
Short order no: 760070

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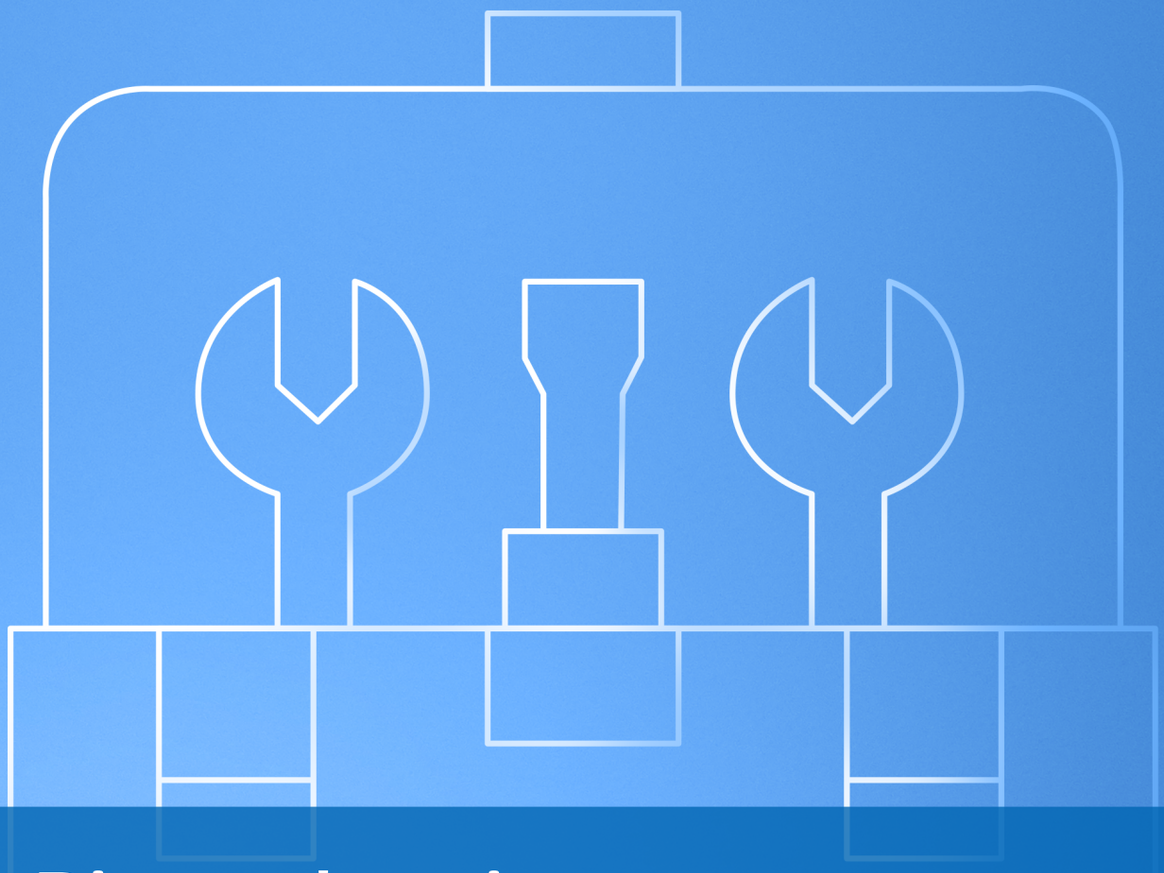
Barrel outlet valve



Order no: 03.9314-5950.3
Short order no: 760071

The ATE barrel outlet valve allows brake fluid to be filled into the ATE bleeding units from ATE 30, 60 and 200-liter barrels without spilling, using a 700 mm outlet hose.

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Disposal equipment

Brake fluid disposal unit System 220



Used brake fluid is a recyclable material, provided it is collected properly segregated in a closed system. This can be achieved with the ATE System 220. Segregated used brake fluid is considerably less expensive to dispose of. The ATE System 220 consists of the 2,2-liter collection container and the 220-liter storage container. The collection container is connected to the bleed valve with a long-life silicon hose. When it is full, it is connected to the 220-liter storage container to be drained with a quick-release coupling. When the 220-liter storage container is full, the segregated used brake fluid can be picked up by a local waste disposal specialist.

Benefits:

- Used brake fluid is an asset whose components can be recycled
- Reduction of disposal costs
- Protection of the environment

Shipment:

- 220-liter storage container
- 2.2-liter collection container

Order no: 03.9302-0504.3
Short order no: 750001

Disposal unit plug with connector



The ATE Disposal unit plug with connector allow the adaption of the dual and quadruple drainage connector on top of the brake fluid disposal unit.

Technical data:	
Outside diameter:	69,5 mm

Order no: 03.9302-0522.1
Short order no: 750011

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Brake fluid disposal system 223



Order no: 03.9302-0507.3
Short order no: 750015

To dispose of used brake fluid cost-effectively, it must be collected cleanly in a closed system. The ATE Brake Fluid Disposal System 223 is perfectly suited for this purpose. It consists of three collection tanks, each with a capacity of 2.2 litres, and one collection container with a volume of 220 litres.

The collection tanks are made of plastic and equipped with a sturdy silicone hose that is directly connected to the vehicle's bleed valve. The large capacity of the collection containers allows for multiple bleeding processes or brake fluid changes without the need to empty them in between. A quick coupling at the bottom of the collection containers enables their clean and quick emptying. For this purpose, they simply need to be attached to the discharge connection of the collection tank. Once the collection tank is full, the old brake fluid can be disposed of cleanly to the local waste disposal facility.

Benefits:

- Collecting old brake fluid in a sorted manner
- Economical disposal of used brake fluid
- Easy emptying of full collection tanks
- Environmentally friendly

Shipment:

- Collection tank with a volume of 220 litres
- Three 2.2-litre collection tanks
- Triple discharge connection

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Discharge connection Triple



Order no: 03.9302-0525.2
Short order no: 750016

The ATE Triple Discharge Connection is placed on the ATE collection tank and allows for the simultaneous emptying of three ATE collection containers. The ATE Triple Discharge Connector can be used as a spare part for the ATE brake fluid disposal system 223 or for retrofitting an ATE brake fluid disposal system 220 to three collection containers

Benefits:

- Enables simultaneous emptying and storage of three ATE collection tanks on one ATE collection container.

2,2-liter collection container



Order no: 03.9302-0516.2
Short order no: 750005

Spare part for all ATE brake fluid disposal systems

Technical data:	
Capacity:	2,2 liters

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220-liter storage container

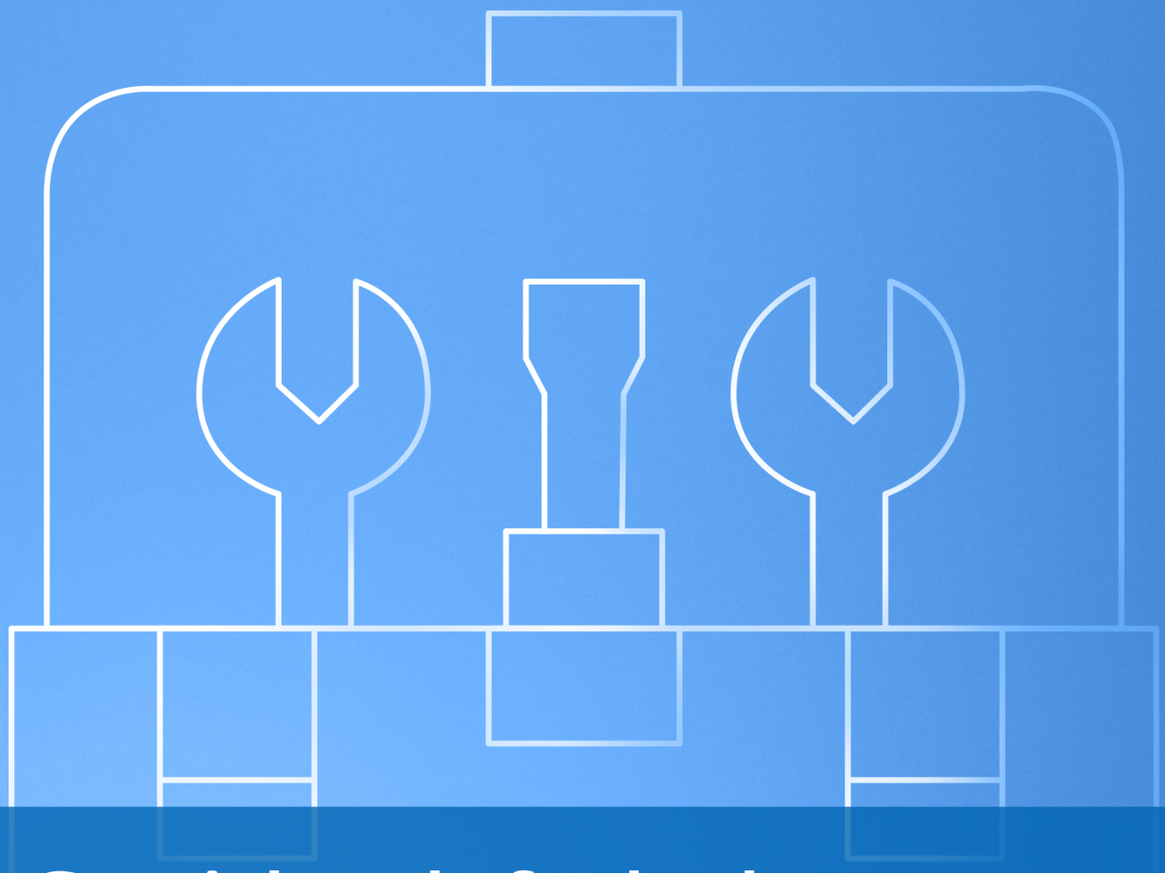
Spare part for all ATE brake fluid disposal systems



Technical data:	
Capacity:	220 liters

Order no: 03.9302-0514.2
Short order no: 750004

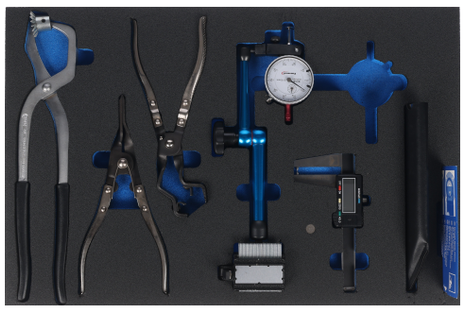
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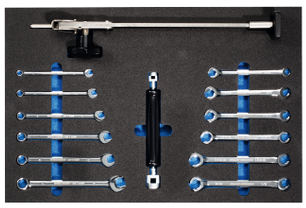


Special tools for brakes

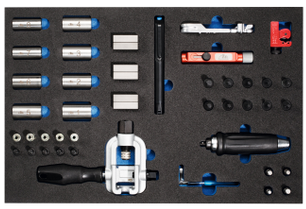
Workshop cart







Order no: 03.9314-4940.4
Short order no: 760201







With the new ATE workshop cart, all the important tools for professional brake servicing are on hand immediately. The cart has 7 drawers, five of which are equipped with ATE brake tools, while two are available for the storage of further tools. For fast work, the tools are organized in the individual drawers thematically according to their function: cleaning, resetting, flanging of the brake line and measuring/assembly. The ATE tools are held in place ready for access by means of the soft foam inserts. Another advantage of these inserts is that you notice immediately if a tool is missing. The stable working surface of the cart allows smaller jobs to be done directly at the vehicle.

Shipment: System inlay drawer 1

- 03.9314-3000.3 Mounting sleeve set
- 03.9310-0016.4 Manual flaring device
- 03.9310-0010.3 Mini tube cutter
- 03.9310-0021.3 ATE tube deburrer
- 03.9310-0010.1 Brake tube bending tool
- 03.9314-0050.3 Drive screw set
- 03.9314-0100.3 Hexagon socket bit set with ring ratchet spanner
- 03.9314-5972.3 ATE LED worklight
- 03.9314-4941.1 Inlay empty 342x519x35 mm

System inlay drawer 2

- 03.9310-0060.3 Brake hose clip
- 03.9314-4950.3 Piston resetting tool
- 03.9314-4960.3 Pneumatic piston resetting tool set (Comprising: Pneumatic piston resetting tool 03.9314-4961.2, Universal adapter 2 pin 03.9314-4962.2, Universal adapter 3 pin 03.9314-4963.2)
- 03.9314-4942.1 Inlay empty 342x519x35 mm

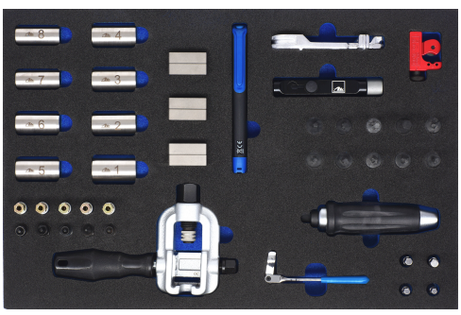
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System inlay drawer 3
- 03-9314-1320.3 Special wire brush
- 03.9314-1395.1 Honing brush ATE
- 03.9314-1396.1 Honing brush Lucas
- 03-9314-1300.3 Brake calliper shaft file
- 03.9314-1343.4 Wheel hub cleaning set 2.1
- 03.9314-1370.4 Wheel hub cleaning set 4
- 03.9314-4943.1 Inlay empty 342x519x35 mm

System inlay drawer 4
- 03.9301-0200.1 Test card for magnetic sensor wheels
- 03.9314-0011.3 Digital brake disc vernier
- 03.9304-0034.2 Dial gauge
- 03.9314-0019.2 Magnetic dial gauge bracket
- 03.9314-0022.1 Straight edge
- 03.9314-5750.3 Brake spring pliers
- 03.9309-0080.3 Locking brake cable spring pliers
- 03.9309-0090.3 Spring assembly pliers
- 03.9314-4944.1 Inlay empty 342x519x35 mm

System inlay drawer 5
- 03.9309-0051.3 Spring fitting tool
- 03.9310-0050.3 Brake line key set
- 03.9314-1500.3 Bleeding key set
- 03.9312-0100.4 Pedal arresting device
- 03.9314-4945.1 Inlay empty 342x519x35 mm

ATE service trolley system inlay 1



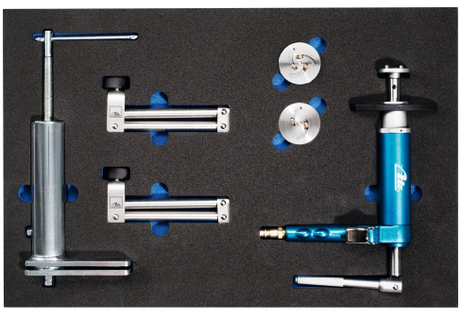
Order no: 03.9314-4941.2
Short order no: 760215

This system inlay keeps all the important tools you need for flaring brake tubes on hand. The ATE tools are held in place ready to use by the soft foam inlays. Another advantage of the inlays is that you notice immediately if a tool is missing.

Shipment:
- 03.9314-3000.3 Mounting sleeve set
- 03.9310-0016.4 Manual flaring device
- 03.9310-0010.3 Mini tube cutter
- 03.9310-0021.3 ATE tube deburrer
- 03.9310-0010.1 Brake tube bending tool
- 03.9314-0050.3 Drive screw set
- 03.9314-0100.3 Hexagon socket bit set with ring ratchet spanner
- 03.9314-5972.3 ATE LED worklight
- 03.9314-4941.1 Inlay empty 342x519x35 mm

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ATE service trolley system inlay 2



Order no: 03.9314-4942.2
Short order no: 760216

This system inlay keeps all the important tools you need for resetting on hand. The ATE tools are held in place ready to use by the soft foam inlays. Another advantage of the inlays is that you notice immediately if a tool is missing.

Shipment:

- 03.9310-0060.3 Brake hose clip
- 03.9314-4950.3 Piston resetting tool
- 03.9314-4960.3 Pneumatic piston resetting tool set (Comprising: Pneumatic piston resetting tool 03.9314-4961.2, Universal adapter 2 pin 03.9314-4962.2, Universal adapter 3 pin 03.9314-4963.2)
- 03.9314-4942.1 Inlay empty 342x519x35 mm

ATE service trolley system inlay 3



Order no: 03.9314-4943.2
Short order no: 760217

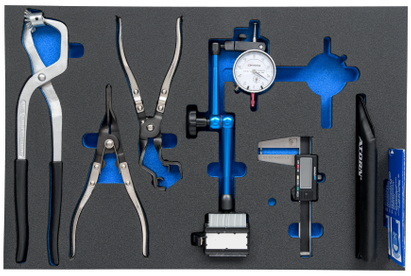
This system inlay keeps all the important tools you need for cleaning on hand. The ATE tools are held in place ready to use by the soft foam inlays. Another advantage of the inlays is that you notice immediately if a tool is missing.

Shipment:

- 03-9314-1320-3 Special wire brush
- 03.9314-1395.1 Honing brush ATE
- 03.9314-1396.1 Honing brush Lucas
- 03-9314-1300-3 Brake calliper shaft file
- 03.9314-1343.4 Wheel hub cleaning set 2.1
- 03.9314-1370.4 Wheel hub cleaning set 4
- 03.9314-4943.1 Inlay empty 342x519x35 mm

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ATE service trolley system inlay 4



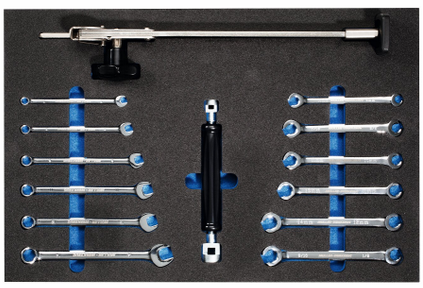
Order no: 03.9314-4944.2
Short order no: 760218

This system inlay keeps all the important tools you need for measurement on hand. The ATE tools are held in place ready to use by the soft foam inlays. Another advantage of the inlays is that you notice immediately if a tool is missing.

Shipment:

- 03.9301-0200.1 Test card for magnetic sensor wheels
- 03.9314-0011.3 Digital brake disc vernier
- 03.9304-0034.2 Dial gauge
- 03.9314-0019.2 Magnetic dial gauge bracket
- 03.9314-0022.1 Straight edge
- 03.9314-5750.3 Brake spring pliers
- 03.9309-0080.3 Locking brake cable spring pliers
- 03.9309-0090.3 Spring assembly pliers
- 03.9314-4944.1 Inlay empty 342x519x35 mm

ATE service trolley system inlay 5



Order no: 03.9314-4945.2
Short order no: 760219

This system inlay keeps all the important tools you need for fitting on hand. The ATE tools are held in place ready to use by the soft foam inlays. Another advantage of the inlays is that you notice immediately if a tool is missing.

Shipment:

- 03.9309-0051.3 Spring fitting tool
- 03.9310-0050.3 Brake line key set
- 03.9314-1500.3 Bleeding key set
- 03.9312-0100.4 Pedal arresting device
- 03.9314-4945.1 Inlay empty 342x519x35 mm

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Pneumatic piston return device set



Order no: 03.9314-4960.3
Short order no: 760177





In order not to destroy the automatic adjustment mechanism of floating calipers with integrated parking brake (combi caliper), the piston must be pressed and turned at the same time when resetting. The Pneumatic Piston Return Device Set is well suited for this job. Due to the infinitely variable pneumatic return of the piston, the device is well suited for brake callipers with right-hand and left-hand return. With the two universal adapters is almost only an application adapter for all vehicles required. The two exchangeable universal adapters fit all conventional vehicle models. The pin spacing can be pre-set by turning the top plate. The precise pin spacing of the turn plate adapts automatically to the holes of the brake piston by turning the base device. With the accessory adapter 03.9314-4990.1, the pistons of normal floating callipers can also be reset.

Benefits:

- Easy and fast work due to pneumatic support
- Universal use
- Suitable for right-hand and left-hand thread resetting
- Automatic compensation of different thread pitches
- Two universal adapters for all conventional calliper designs
- Rotational movement done manually
- Optimum hold using rubberised counter bearing plate

Shipment:

- Pneumatic resetting device (03.9314-4961.3)
- Universal Adapter 2 Pin (03.9314-4962.2)
- Universal Adapter 3 Pin (03.9314-4963.2)

Technical data:	
Universal Adapter	2 Pin
Pin diameter:	4 mm
Pin height:	3 mm
Pin distance min:	11,2 mm
Pin distance max:	29,7 mm
Housing diameter:	47 mm
Housing height:	10,5 mm

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Piston return tool set



Order no: 03.9314-4999.4
Short order no: 760133

With floating calipers with an integrated parking brake (combined calipers), the piston must not simply be pushed back, as this would destroy the automatic adjustment mechanism in the caliper. In many cases the piston must be turned and pressed. This can be done using the ATE piston return tool set. With its right- and left threaded spindle and its 9 interchangeable adapters, it can be used for all common vehicles. It can also be used to return pistons in standard floating calipers.

Benefits: 9 assorted adapters for all common caliper types, including ATE and older Lucas calipers

Shipment:

- Metal case
- Right threaded spindle
- Left threaded spindle
- spacer sleeve and pressure plate
- 9 adapters



Spindle left



Order no: 03.9314-4994.2
Short order no: 760135

For returning combination calipers with left thread return for piston return set 03.9314-4980.4 / 760102.

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Piston return device



Order no: 03.9314-4950.3
Short order no: 760049

The ATE piston return device returns the pistons in the disk brake calipers. It avoids damage to the pistons and brake disks.

Benefits: Parallel running ensures that the piston movement cannot cause damage and cannot jam.

Hint: Do not use tire levers / large screwdrivers!

Piston turning tool



Order no: 03.9314-5700.3
Short order no: 760064

The ATE piston turning tool is used to turn pistons with a shoulder to the correct postition in the caliper. The ATE 20º piston gauge is also needed for this operation.

The ATE piston turning tool has hardened teeth to allow the piston to be gripped tightly. Its size can be adjusted using the three stop notches.

Benefits: Size adjustable via 3 stop notches

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Brake caliper guide file





Order no: 03.9314-1300.3
Short order no: 760038



The ATE brake caliper guide file allows the brake pad guide surfaces on brake calipers and holders to be filed to a bright finish. Single-sided cutting ensures that no damage is caused to the dust cap. The special coarse teeth mean that the work is completed quickly and cleanly.

Benefits: Special single-sided cut causes no damage to the dust cap.

Technical data:	
Length 1	150 mm
Length 2	260 mm
Wide	12 mm
Height	6 mm

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Special wire brush



Order no: 03.9314-1320.3
Short order no: 760039





The ATE special wire brush is used to remove slight soiling on the brake pad guide surfaces of brake calipers and holders.

Benefits:

- For cleaning brake calipers
- High cleaning capacity due to strong wire bristles
- Narrow construction for narrow brake caliper cylinders
- Length 225 mm

Hint: Wire brushes whose strands are seriously out of shape may cause damage to rubber protective caps. In this event, always use a new brush!

Special brass wire brush



Order no: 03.9314-1321.3
Short order no: 760214

Before new brake pads are installed, the pad contact surfaces on the brake calipers and mounts must be polished bare. Soiling on aluminum brake calipers can be removed using the ATE special brass wire brush.

Benefits:

- For cleaning aluminum brake calipers
- Soft brass bristles means work goes easy on the material
- Slim version for tight brake caliper shafts
- Length 225 mm

Hint: Wire brushes whose strands are seriously out of shape may cause damage to rubber protective caps. In this event, always use a new brush!

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Brake pad withdrawal tool



Order no: 03.9314-6100.3
Short order no: 760073

The ATE brake pad withdrawal tool removes firmly seated disk brake pads with retaining holed from fixed calipers. It prevents damage to brake calipers and disks. The fact that the pulling rod is integrated into the sliding weight means that there is no risk of injury.

Benefits: Pulling rod integrated in the sliding weight, so that there is no risk of injury

Technical data:	
Pulling pin diameter:	5.0 mm

Honing brush "LUCAS"



Order no: 03.9314-1396.1
Short order no: 760169



Lubricated guide pins are used to hold the "LUCAS" floating calipers in place. Rubber bellows provide the pin seal. Damaged bellows will make the guide bushes inside the brake caliper holder corrode. This will restrict caliper guide movements and may lead to additional braking problems.

Use the ATE honing brush "LUCAS" to clean the guide sleeves to the bare metal. Due to the accurate diameter, the bore size remains accurate. This is best done with a battery-powered screwdriver at a maximum speed of 700 rpm and only in clockwise direction. The cleaning process takes only a few seconds.

Benefits:

- Customized diameter
- Clean and true-to-size metal guide bush surface
- Significant time savings

Hint:

- Degrease the guide bushes prior to using the ATE honing brush

Security:

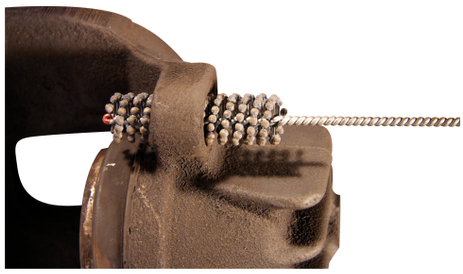
- Maximum speed: 350-700 rpm
- Clockwise operation only

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Honing Brush "ATE"



Order no: 03.9314-1395.1
Short order no: 760154



After some time of operation it may be useful to replace the (rubber) guide bushes in ATE floating calipers. The mounting hole in the caliper housing is often corroded to a greater or lesser degree. This will cause the guide bushing to be squashed and the guide pins may become jammed in them. This will restrict brake caliper movements which may lead to other braking problems.

After removing the old guide bushes, use the ATE honing brush to polish the mounting holes in the brake caliper housing to a bright metal surface. Best to use is a battery-powered screwdriver running at a maximum speed of 700 rpm in clockwise direction (to the right) only. After cleaning the holes in the caliper housing, thinly spread ATE brake cylinder paste over them. This will prevent new corrosion and make the new guide bushes install with more ease.

Hint:

- Attention: Never grease the inside of the guide sleeves or the guide pins. These sliding surfaces must remain dry.

Security:

- Maximum speed: 350-700 rpm
- Run clockwise only

Honing Brush 13 mm	
Ø:	13 mm
Working width:	60 mm
length:	200 mm
Order no	03.9314-1397.1
Short order no	760249

Honing Brush 15,5 mm	
Ø:	15,5 mm
Working width:	60 mm
length:	200 mm
Order no	03.9314-1398.1
Short order no	760250

Honing Brush 22 mm	
Ø:	22 mm
Working width:	70 mm
length:	200 mm
Order no	03.9314-1399.1
Short order no	760251

Honing Brush 25 mm	
Ø:	25 mm
Working width:	70 mm
length:	200 mm
Order no	03.9314-1400.1
Short order no	760252

Honing Brush 32 mm	
Ø:	32 mm
Working width:	70 mm
length:	200 mm
Order no	03.9314-1401.1
Short order no	760253

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Wheel hub cleaning set 1



Order no: 03.9314-1330.4
Short order no: 760109

The ATE wheel hub cleaning set 1 for standard wheel hubs allows you to clean the wheel hub quickly, safely and at low cost, before the brake disks are fitted. The mounting face for the brake disks on the wheel hub must be bright before the disk is mounted to ensure that it lies fully flush. Only then can it be guaranteed that the installation tolerances of the brake disks can be adhered to.
The cleaning process does not normally take more than 10 seconds per hub. The hole in the cleaning disk provides firm guidance and ensures that the disk does not slip off the hub. The fact that the entire surface of the disk is used ensures a lifetime of approx. 400 cleaning operations.

Benefits:
- clean the wheel hub quickly
- safe and easy working

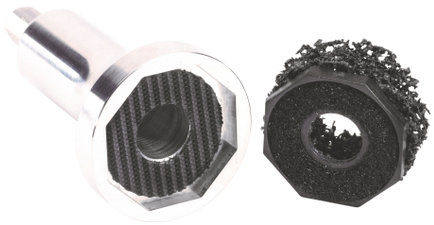
Shipment:
- 1 holder
- 3 disks

Technical data:	
Disk external diameter	160 mm
Hole diameter	60 mm

Spare disks, Set 1	
Disk external diameter	160 mm
Hole diameter	60 mm
Shipment	3 disks
Order no	03.9314-1331.1
Short order no	760125

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Wheel hub cleaning set 2.1



Order no: 03.9314-1343.4
Short order no: 760182



The ATE wheel hub cleaning set 2.1 is an ideal tool for fast, safe and economical cleaning of wheel hubs with studs. Due to its positive locking connection between the fixture and cleaning disc, high torques can be transmitted.

Before mounting the brake disc, the contact surface of the wheel hub must be cleaned metallically bright. Only in this manner can the installation tolerances be maintained and brake judder prevented. The ATE wheel hub cleaning set 2.1 consists of an aluminium mounting plate in which the drill is clamped. The cleaning discs, which are also included in the set in two sizes, are held in the fixture with a Velcro fastener. The transmission of force from the fixture to the cleaning disc takes place via an octagonal positive locking connection, through which high torques can be transmitted. The cleaning disc is guided through the centre hole securely on the wheel stud. This prevents slipping and ensures optimum work around the studs.

The cleaning process itself does not last more than 10 seconds per wheel stud. Thanks to full contact on the wheel hub, the service life of a cleaning disc is around 400 uses.

Benefits:

- Fast cleaning of the wheel hub contact surface
- High torque transmission possible
- Safe and easy work
- High lifetime of the cleaning discs

Shipment:

- Mounting plate
- 5 small cleaning discs
- 6 large cleaning discs

Technical data:	
Diameter large:	53 mm
Diameter small:	40 mm

Spare disks small Set 2.1	
Disk diameter outside:	40 mm
Disk diameter inside:	13 mm
Shipment:	5 disks
Order no	03.9314-1344.1
Short order no	760183

Spare disks large Set 2.1	
Disk diameter outside:	53 mm
Disk diameter inside:	13 mm
Shipment:	5 disks
Order no	03.9314-1345.1
Short order no	760184

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Wheel hub cleaning set 3



Order no: 03.9314-1350.4
Short order no: 760111

The ATE wheel hub cleaning set 3 for large wheel hubs or wheel hubs with a large clooar (e.g. Transporters and BMW vehicles) allows you to clean the wheel hub quickly, safely and at low cost, before the brake disks are fitted. The mounting face for the brake disks on the wheel hub must be bright before the disk is mounted to ensure that ít lies fully flush. Only then can it be guaranteed that the installation tolerances of the brake disks can be adhered to.
The cleaning process does not normally take more than 10 seconds per hub. The hole in the cleaning disk provides firm guidance and ensures that the disk does not slip off the hub. The fact that the entire surface of the disk is used ensures a lifetime of approx. 400 cleaning operations.

Benefits:
- clean the wheel hub quickly
- safe and easy working

Shipment:
- 1 holder
- 2 disks

Technical data:	
Disk external diameter	200 mm
Hole diameter	85 mm

Spare disks, Set 3	
Disk external diameter:	200 mm
Hole diameter:	85 mm
Shipment:	2 disks
Order no	03.9314-1351.1
Short order no	760128

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Wheel hub cleaning set 4



Order no: 03.9314-1370.4
Short order no: 760156



ATE's wheel hub cleaning set 4 is an ideal tool that allows you to clean heavily soiled or slightly rusting wheel hubs quickly, safely and at low cost. Before installing a new brake disc the hub mounting face must be cleaned to bare metal. This is the only way of complying with mounting tolerances and avoiding brake judder.

ATE's wheel hub cleaning set 4 consists of a compressed air angle grinder, 2 white cleaning brushes (small grain) and 2 purple cleaning disks (large grain) . The cleaning brushes are fixed in a thread in the back-up pad of the compressed air angle grinder. The high speed of the angle grinder (8000 / 15.000 rpm) ensures thorough cleaning of the wheel hub. The small-grain brushes and the high speed add up to cleaning each wheel hub within seconds. To extend the range of applications of compressed air angle grinders (e.g. car body) it is also possible to use cleaning brushes in different grain sizes. For this application, we recommend the body set (03.9314-1371.3), which comprises 4 green cleaning brushes (medium grain) and 4 purple cleaning brushes (large grain).

Benefits:

- Quick cleaning of the wheel hub mounting face
- Safe and simple handling

Shipment:

- Compressed air angle grinder
- 2 cleaning brushes - white (small grain)
- 2 cleaning disk (50 mm) - purple (large grain)

Technical data:	
Air consumption:	250 l/min
Working pressure:	6,2 bar
Noise level	85 db(A)

Car body extension set



Order no: 03.9314-1371.3
Short order no: 760157

To extend the applicability of wheel hub cleaning set 4 (e.g. car body), you can use it with cleaning brushes in different grain sizes. If you do, consider the car body set which comprises 4 green cleaning brushes (medium grain) and 4 purple cleaning brushes (large grain).

Shipment:

- 4 green cleaning brushes (medium grain)
- 4 purple cleaning brushes (large grain)

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Spare brush (fine grain)

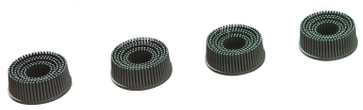


4 white spare brushes (small grain) for wheel hub cleaning set 4

Shipment:
- 4 white spare brushes (small grain)

Order no: 03.9314-1372.3
Short order no: 760158

Spare brush (medium grain)



4 green spare brushes (medium grain) for wheel hub cleaning set 4

Shipment:
- 4 green cleaning brushes (medium grain)

Order no: 03.9314-1373.3
Short order no: 760159

Spare brush (large grain)



4 purple spare brushes (large grain) for wheel hub cleaning set 4

Shipment:
- 4 purple spare brushes (large grain)

Order no: 03.9314-1374.3
Short order no: 760160

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Cleaning disc 50 mm black



Order no: 03.9314-1375.3
Short order no: 760165

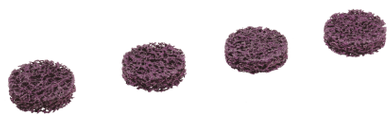
4 black cleaning discs (large grain) for wheel hub cleaning set 4

Shipment:
- 4 black cleaning discs (large grain)

Technical data:	
Disc diameter:	50 mm

Cleaning disc 75 mm black	
Shipment:	4 black cleaning discs (large grain)
Disc diameter:	75 mm
Order no	03.9314-1376.3
Short order no	760166

Cleaning disc 50 mm purple



Order no: 03.9314-1377.3
Short order no: 760167

4 purple cleaning discs (very large grain) for wheel hub cleaning set 4

Shipment:
- 4 purple cleaning discs (very large grain)

Technical data:	
Disc diameter:	50 mm

Cleaning disc 75 mm purple	
Shipment:	4 purple cleaning discs (very large grain)
Disc diameter:	75 mm
Order no	03.9314-1378.3
Short order no	760168

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Wheel rim flange cleaning set 5



Order no: 03.9314-1332.4
Short order no: 760221





The ATE wheel rim flange cleaning set is an ideal tool that allows you to clean rim contact surfaces quickly, safely and at low cost. It is advisable to clean the contact surface between the wheel rim and the brake disc before fitting. This is the only way to maintain the tight tolerances between wheel rim and brake disc.

The ATE set comprises a backing disc which has been designed for standard drills and a cleaning disc. It can be connected quickly and easily with the backing disc using a Velcro fastening. The cleaning disc has a long service life and can be positioned safely on the wheel rim thanks to the central guide. The cleaning procedure itself only takes a few seconds, depending on the degree of soiling.

Benefits:

- Fast cleaning of the wheel rim flange
- Safe and effective work
- Full-surface contact
- Very good cleaning performance
- Pin guide

Shipment:

- One backing disc
- One cleaning disc

Technical data:	
Disk external diameter	160 mm
Hole diameter	50 mm

Spare glass set 5	
Shipment:	3 disks
Order no	03.9314-1333.1
Short order no	760222

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Wheel hub cleaning set 6



Order no: 03.9314-1334.4
Short order no: 760240





The wheel hub cleaning set 6 is an ideal tool that allows you to clean wheel hubs with all-round groove quickly, safely and at low cost. Before the brake disc is fitted, not only the contact surface of the wheel hub but also the all-round groove should be cleaned down to the bear metal. This is the only way of complying with mounting tolerances and avoiding brake judder. The wheel hub cleaning set 6 comprises a backing disc which is clamped in the drill and a cleaning disc which is fastened in the backing disc with the aid of a Velcro fastening. The friction ring is adapted precisely to the different wheel hub grooves and allows a fast cleaning procedure thanks to orbital movements. In the next work step, the contact surfaces of the wheel hubs must be cleaned; the suitable wheel hub cleaning set must be used for this, depending on the diameter of the wheel hub groove. The cleaning procedure itself takes only a few seconds per wheel hub. Thanks to the full-surface contact on the wheel hub, the cleaning disc has a long service life.

Benefits:

- Fast cleaning of the wheel hub groove
- Safe and simple handling
- Full-surface contact
- Very good cleaning performance
- One tool for all wheel hubs with groove

Shipment:

- One backing disc
- One cleaning disc

Technical data:	
Disk external diameter	160 mm
Hole diameter	95 mm
Outside diameter:	130 mm

Spare glass set 6	
Shipment:	1 disk
Order no	03.9314-1335.1
Short order no	760241

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Wheel hub cleaning set 7 (1/2")



Order no: 03.9314-1336.4
Short order no: 760246



ATE's wheel hub cleaning set 7 is an ideal tool that allows you to clean the wheel hub of passenger cars efficiently, safely and at low cost.

Clean the brake disc mounting face on the wheel hub down to the bare metal before mounting the disc. This is the only way of complying with mounting tolerances and avoiding discomfort. ATE's wheel hub cleaning set 7 is comprised of a back-up pad driven by a customary 1/2" (12.5 mm) impact wrench. A Velcro® strip provides a form-fit link between the cleaning discs and the back-up pad. A special torque trunnion transfers the cleaning forces continuously, at no loss and without slipping through. A centring mechanism fastens the tool on the wheel hub to prevent the tool from slipping off the hub.

The actual cleaning process takes just a couple of seconds per wheel hub, depending on how soiled the hub is. Owing to their full-faced contact and the sturdy friction material, the cleaning discs are extremely durable for their entire long service life.

Benefits:

- Velcro® strip and torque trunnion for fast and safe use of the abrasive wheel
- 12.5 mm (1/2 inch) inner square holding element for pneumatic, battery or mains operated impact wrenches and other tools
- Open-pored abrasive and dish-shaped grinding discs for minimum dust emissions
- No flying sparks

Shipment:

- One back-up pad
- One cleaning disc with torque trunnion

Technical data:	
Disk external diameter	160 mm
Hole diameter	75 mm

Spare disks, Set 7	
Disk external diameter	160 mm
Hole diameter	75 mm
Shipment	3 disks
Order no	03.9314-1337.3
Short order no	760247

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Wheel hub cleaning set 8



Order no: 03.9314-1338.4
Short order no: 760254

The ATE wheel hub cleaning set 8 for standard wheel hubs allows you to clean the wheel hub quickly, safely and at low cost, before the brake disks are fitted. The mounting face for the brake disks on the wheel hub must be bright before the disk is mounted to ensure that it lies fully flush. Only then can it be guaranteed that the installation tolerances of the brake disks can be adhered to.
The cleaning process does not normally take more than 10 seconds per hub. The hole in the cleaning disk provides firm guidance and ensures that the disk does not slip off the hub. The fact that the entire surface of the disk is used ensures a lifetime of approx. 400 cleaning operations.

Benefits:
- clean the wheel hub quickly
- safe and easy working

Shipment:
- 1 holder
- 3 disks

Technical data:	
Disk external diameter	160 mm
Hole diameter	75 mm

Spare disks, Set 8	
Disk external diameter	160 mm
Hole diameter	75 mm
Shipment	3 disks
Order no	03.9314-1339.3
Short order no	760255

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Compressed Air Drill



Order no: 03.9314-1390.2
Short order no: 760180

The ATE compressed air drill is excellently suited for our wheel hub cleaning sets, thanks to its high torque. The compressed air drill is a noise dampened device for manual use. The compressed air drill enables fast, reliable and comfortable work. our hone brushes can also be driven with the compressed air drill. The device has a right/left-handed rotation and is equipped with a quick release chuck adjustable from 1.5 to 13 mm. The compressed air connection takes place via a quick coupling.

Benefits:

- Easy-to-handle device for anti-fatigue work
- Ergonomically shaped grip for comfortable and anti-fatigue work with practical reversing lever (left/right)
- Exhaust air guide through the hand grip downwards
- With quick release drill chuck span from 1.5 to 13 mm
- Very powerful, therefore ideal for work with cleaning grinding discs, etchers, etc.
- With infinitely variable speed control
- Hand grip for two-hand operation, rotates 360º and is lockable
- Lightweight housing made of durable 2-K plastic

Shipment:

- Compressed air drill
- Quick release chuck
- 1/4“ coupling plug
- Hand grip

Technical data:	
Drill chuck:	3/8"
Weight:	1,85 Kg
Length:	230 mm
Connecting thread:	1/4"
Air consumtion:	200 L/min
	500 U/min
Working pressure:	6,3 bar
Noise level:	80 dB(A)

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Hexagon socket bit set with ring ratchet spanner



Order no: 03.9314-0101.3
Short order no: 760245



Space is often at a premium around the brake calipers. Conventional tools are hard put to loosen and tighten the guide pins.

ATE's hexagon socket bit set is ideally suited for tightening and loosening floating caliper guide pins. With socket sizes 6 mm, 7 mm, 8 mm, 9 mm and 11 mm, it comprises all sizes required in the workshop. The pivot-head ring ratchet spanner is part of the set. The short socket design and the pivot-head ring ratchet spanner provide for convenient working even in restricted work areas.

Benefits:

- Finely toothed pivot-head ring ratchet spanner
- Ideal for working in confined spaces
- Optimised bit length for handling brake caliper guide pins

Shipment:

- Ring ratchet spanner
- 4 bits for 6 mm, 7 mm, 8 mm, 9 mm, 11 mm hexagon socket screws

Technical data:	
Hexagon ratchet:	13 mm

Hexagon socket wrench 7 mm, short



Order no: 03.9314-0030.1
Short order no: 760095

The short 7 mm hexagon socket wrench is used to screw in/unscrew the guide studs on floating calipers.

Technical data:	
Width across flats:	7 mm
Blade length (short):	38 mm
Square drive:	3/8"

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Hexagon socket wrench 7 mm, long



Order no: 03.9314-0031.1
Short order no: 760096

The long 7 mm hexagon socket wrench is used to screw in/unscrew the guide studs on floating calipers.

Technical data:	
Width across flats:	7 mm
Length (long):	60 mm
Square drive:	1/2"

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Dust boot mounting sleeve



Order no: 03.9314-4910.1
Short order no: 760186

The new ATE dust boot mounting sleeves are absolutely mandatory for the current ATE caliper generation for safe pressing on of the S-shaped dust boots. The mounting sleeves are equipped with a special profile that is matched exactly to the S-shaped dust boot. The ATE dust boot mounting sleeves are used with the ATE piston retaining appliance (03.9314-4950.3).

Order no.: 03.9314-4910.1 / 760186
- Diameter, outside: 47.4 mm
- Diameter, inside: 42.8 mm
- Height: 19.6 mm

Order no.: 03.9314-4911.1 / 760187
- Diameter, outside: 52.6 mm
- Diameter, inside: 48.0 mm
- Height: 19.6 mm

Order no.: 03.9314-4912.1 / 760188
- Diameter, outside: 53.6 mm
- Diameter, inside: 49.0 mm
- Height: 19.6 mm

Order no.: 03.9314-4913.1 / 760189
- Diameter, outside: 57.6 mm
- Diameter, inside: 53.2 mm
- Height: 19.6 mm

Order no.: 03.9314-4914.1 / 760190
- Diameter, outside: 61.6 mm
- Diameter, inside: 56.8 mm
- Height: 19.6 mm

Order no.: 03.9314-4915.1 / 760191
- Diameter, outside: 63.6 mm
- Diameter, inside: 58.9 mm
- Height: 19.6 mm

Order no.: 03.9314-4916.1 / 760192
- Diameter, outside: 69.6 mm
- Diameter, inside: 64.8 mm
- Height: 19.6 mm

Order no.: 03.9314-4917.1 / 760193
- Diameter, outside: 72.6 mm
- Diameter, inside: 67.7 mm
- Height: 19.6 mm

Order no.: 03.9314-4918.1 / 760194
- Diameter, outside: 75.5 mm
- Diameter, inside: 70.8 mm
- Height: 19.6 mm

Order no.: 03.9314-4919.1 / 760195
- Diameter, outside: 81.6 mm
- Diameter, inside: 76.9 mm
- Height: 19,6 mm

Benefits:
- Damage-free installation of the S-shaped dust boot
- Easy to use
- Fast and safe mounting

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Parking brake cable spring pliers





The ATE parking brake cable spring pliers allow simple and safe attachment of the parking brake cable to the brake shoe lever on drum brakes. It is particularly useful for mounting the ATE top kit.

Order no: 03.9309-0080.3
Short order no: 760087

Brake-spring pliers (small)



The ATE brake-spring pliers (small) allow the brake shoe return springs on drum brakes to be removed and mounted very easily and safely. The small swiveling support plate has a fine, sharp, diamond-cut surface which means that it gives firm support on narrow brake lining surfaces. The double-sided delicate hooks for attaching the springs allow springs to be attached to the feft or right with no difficulty.

Technical data:	
Span approx.:	80 mm

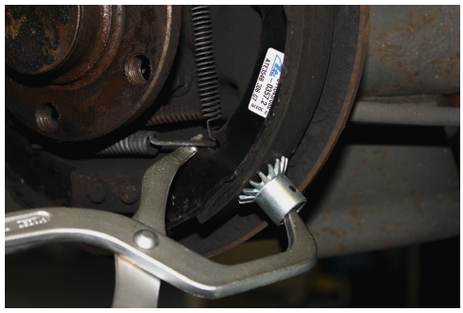
Order no: 03.9309-0030.3
Short order no: 760003

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Brake-spring pliers (medium-size)



Order no: 03.9314-5750.3
Short order no: 760067



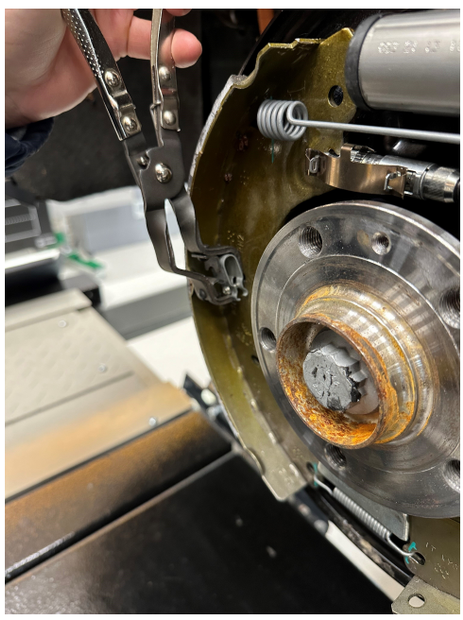
The ATE brake-spring pliers (small) allow the brake shoe return springs on drum brakes to be removed and mounted very easily and safely. The swiveling support plate has sharp claws to provide firm support on the brake lining surface. The hook allows the springs to be attached safely.

Technical data:	
Span approx.:	100 mm

Spring mounting pliers



Order no: 03.9309-0090.3
Short order no: 760105



The ATE spring mounting pliers allow safe and problem-free mounting and removal of the drum-brake shoe retaining spring system from ATE, e.g. on the Mercedes A class, VW ID 3/4/5. Without the ATE spring mounting pliers it is virtually impossible to deal with the retaining spring.

Benefits: The retaining spring can only be mounted and removed quickly and safely with the help of the ATE spring mounting pliers.

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Spring hook



Order no: 03.9309-0052.3
Short order no: 760242



The ATE spring hook is the ideal tool for the straightforward removal and fitting of brake pad retaining springs.

Benefits:

- Makes the fitting and removal of brake pad retaining springs easier
- Ergonomic shape
- Sturdy design
- Reduces work effort
- Simple to operate

Shipment: 1 piece

Technical data:	
Length:	200 mm
Width:	90 mm

Spring mounting tool



Order no: 03.9309-0051.3
Short order no: 760104



The ATE spring mounting tool is used for the safe and problem-free removal and mounting of the retaining plates of brake-shoe retaining springs. Two different size seating bells safely accommodate large and small spring plates of the brake-shoe retaining springs.

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Spring mounting tool AP Lockheed





The ATE spring mounting tool is used for the safe and problem-free removal and mounting of brake-shoe retaining springs on AP-Lockheed drum brakes.

Order no: 03.9309-0040.3
Short order no: 760004

Spring mounting tool Bosch-Bendix





The ATE spring mounting tool is used for the safe and problem-free removal and mounting of brake-shoe retaining springs on Bosch-Bendix drum brakes.

Order no: 03.9309-0060.3
Short order no: 760006

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ATE brake tube straightening tool 4.75 mm (3/16)



Order no: 03.9310-0035.3
Short order no: 760213

The ATE brake tube straightening tool is the ideal tool for straightening brake tube lines with a diameter of 4.75 mm (3/16). The brake tube line is generally delivered by the meter on a roll. Thanks to the brake tube straightening tool, the brake tube line can be prepared efficiently for laying. Vehicle contours can be transmitted more easily on the basis of a straight brake tube line. The tool is extremely easy to use; the curved brake tube line is simply routed through the tool. The result is a straightened brake tube line which can be adapted perfectly to vehicle characteristics.

Benefits:

- Makes the installation of brake tube lines easier and reduces the amount of work involved
- Simple to use
- Professional result
- Less material consumption and waste

ATE brake tube straightening tool 6 mm



Order no: 03.9310-0036.3
Short order no: 760239

The ATE brake tube straightening tool is the ideal tool for straightening brake tube lines with a diameter of 6 mm. The brake tube line is generally delivered by the meter on a roll. Thanks to the brake tube straightening tool, the brake tube line can be prepared efficiently for laying. Vehicle contours can be transmitted more easily on the basis of a straight brake tube line. The tool is extremely easy to use; the curved brake tube line is simply routed through the tool. The result is a straightened brake tube line which can be adapted perfectly to vehicle characteristics.

Benefits:

- Makes the installation of brake tube lines easier and reduces the amount of work involved
- Simple to use
- Professional result
- Less material consumption and waste

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Handheld pipe flaring tool



Order no: 03.9310-0016.4
Short order no: 760155

ATE's handheld pipe flaring unit is a low-cost piece of equipment for the quick and uncomplicated flaring of 4.75 mm, 5 mm and 6 mm diameter brake pipes to Shapes E and F in conformity with DIN 74234 / ISO 4038.
The thrust pieces mount on a bracket which just needs to be placed in the flaring tool. The clamping jaws are smooth (not serrated) to ensure that the brake pipe is reliably held without taking damage. The brake pipe surface will be undamaged when flaring is done. Brake pipe flaring as such is quick and easy by simply screwing in the spindle holding the correct flaring head.
A sturdy handle allows you to use the flaring tool underneath the vehicle. To facilitate flaring at the workbench, you can also place the tool in a vice.
Repairing and joining brake pipes (4.75 mm) is made quick and uncomplicated by using the 5 adapters and 10 male fittings from the package.

Shipment:
- Hand-held pipe flaring tool, complete
- Vices for brake line diameters 4.75, 5 and 6 mm
- Clamping jaws for flaring to DIN types E and F

Professional dual pipe-flaring tool



Order no: 03.9310-0001.4
Short order no: 760012

The ATE professional pipe flaring tool allows brake pipes with diameters of 4.75, 6, 8 and 10 mm to be flared easily to shapes E and F (DIN 74 234 / ISO 4038). The thrust members which rotate within the revolver system and operation by means of an eccentric lever ensure that the flaring operation is completed quickly and safely. One particular feature is the smooth (non-serrated) jaws that clamp the brake pipe securely without damaging the surface.

Benefits:
- for brake pipe diameters of 4.75, 6, 8 and 10 mm
- thrust members which rotate within the revolver system
- smooth jaws
- no damage to the surface of the brake pipe
- clearly stowed in a plastic case

Shipment:
- Plastic case with shaped insert
- Eccentric lever press with interlock clamping device and revolving toothed rim
- 4 different jaws
- 4 different thrust members for flaring

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Ratchet pipe cutter 4.75mm

Order no: 03.9310-0011.3
Short order no: 760244



The ATE ratchet pipe cutter is an ideal tool for professionally cutting brake pipes with a diameter of 4.75 mm. Thanks to its compact design and ratchet function, it can be used directly at the vehicle even where space is very tight. The automatic readjustment function means there is no need to retighten the cutting wheel during the cutting process. Only a little force is necessary thanks to the additional leverage provided by the handle length.

Benefits:

- Automatically readjusting pipe cutter with ratchet
- Ideal where space is tight
- Little force required thanks to lever effect
- Ergonomically shaped handle

Miniature pipe cutter



Order no: 03.9310-0010.3
Short order no: 760023

The small dimensions of the ATE mini-pipe cutter allow brake pipes with diameters from 3 to 16 mm to be cut to length in situ on the vehicle.

Benefits: Thanks to its compact size, it can be used in situ on the vehicle

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ATE pipe deburring tool



Order no: 03.9310-0021.3
Short order no: 760181

The ATE pipe deburring tool is a practical combination tool that facilitates both internal and external deburring of brake tubes. The three blades ensure a fast and simple work flow. Brake lines must be thoroughly deburred before flanging. After application, the cutter can lower into the grip, which significantly minimises the risk of injury.

Benefits:

- Very easy to handle and suitable for universal use
- Tips made of alloyed steel can be completely retracted
- Three cutting dies made of HSS steel for exterior deburring

Shipment: Pipe deburring tool

Technical data:	
Housing length:	145 mm
Housing material:	Aluminium
Blade material:	HSS steel
Brake pipe inside Ø:	3 mm - 12 mm
Brake pipe outside Ø:	4 mm - 14 mm

Pipe bending pliers



Order no: 03.9310-0040.3
Short order no: 760026

The ATE pipe bending pliers provide practical assistance for bending and mounting brake pipes with a diameter of 4.75 mm (3/16").

Benefits:

- Bending of the brake pipe in a confined space
- Bending up to 90º is possible without causing damage
- Aligninment of the pipe screw connections
- Holding the brake pipe while it is being cut

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Brake pipe bending tool



The ATE brake pipe bending tool is a simple yet very practical aid for bending brake pipes with diameters of 4.75mm, 5.0mm or 3/16".

Benefits:

- Small handy tool
- Can be used in situ on the car and allows very small bending radii.

Order no: 03.9310-0010.1
Short order no: 760101

Pipe bending device



The ATE pipe bending tool permits easy bending of brake pipes with diameters of 4.75mm (3/16") and 6mm (1/4") even in situ on the vehicle, without reducing the cross-section.

Order no: 03.9310-0030.3
Short order no: 760025

Brake pipe wrench set



The reinforced open ring wrench heads of the ATE brake pipe wrench set with hexagon heads hold the brake pipe screw joints firmly so that even tight joints can easily be loosened. The heads angled by 15 degrees.

Shipment:

- 6 double ring wrenches
- 8 + 10, 10 + 11, 11 + 13, 12 + 14 mm,
- 3/8" + 7/16", 1/2" + 9/16"

Order no: 03.9310-0050.3
Short order no: 760027

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ATE special grip pliers



Order no: 03.9310-0055.4
Short order no: 760173

The ATE special grip pliers is the ideal pliers for loosening damaged screw/bolt heads, nuts and studs.
Due to their special ground plier shaft, the teeth grip into the screw/bolt or nut to be loosened.
With the ATE special grip pliers, loosening "rounded" retaining screws on brake lines or bleeder screws is easy.
Thanks to the possibility of adjusting the joint, the pliers are suitable for screws/bolts and nuts up to a 28,45 mm diameter.

Benefits:

- Easy-to-handle device for anti-fatigue work
- Ergonomically shaped grip
- Special C1080 carbon steel for high performance
- Galvanised for ultimate rust protection
- Specially developed jaws, ideal for round surfaces
- Extremely durable
- Quick adjustment, no slipping of the joint
- Hardened teeth for better and longer hold

Shipment: ATE spezial grip pliers

Technical data:	
Overall length:	241 mm
Length:	28,45 mm
Height:	11,18 mm
Weight:	639,57 g

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10 mm reamer for ABS sensor mount



Order no: 03.9301-0005.3
Short order no: 760162







Before the installation of a new ABS wheel speed sensor the mounting hole must be cleaned and returned to nominal size.

The ATE reamer is the ideal tool for this.

Some VAG vehicles require use of the 10 mm reamer and a special 8 mm drill bit with stop collar due to limited clearance at the sensor mounting position.

When removing the old sensor it often breaks leaving part of the sensor in the mounting hole, the 8 mm drill bit with adjustable locking collar allows the broken sensor to be removed without damaging the sensor ring.

The 10mm reamer can then be used to thoroughly clean out the sensor mounting hole and restore it to nominal size.

The reamer accurately cleans the 10 mm ABS wheel speed sensor mounting hole without making the hole bigger and without damaging the sensor wheel.

This guarantees correct re-installation of the wheel speed sensor.

The ratchet spanner is finely toothed. The handle pivots in small steps. This way, the mounting hole can be cleaned effectively and easily even in restricted work areas.

Benefits:

- Adapted drill bit with adjustable colar
- No damage to mounting hole or sensor wheel
- Very finely toothed ratchet spanner
- Pivoting handle
- Ease of use in limited space

Shipment:

- Wiertło 8 mm, długie, z tuleją oporową (z kluczem imbusowym)
- Rozwiertak 10 mm, długość specjalna

Hint: To prevent corrosion in the mounting hole, it is advisable to thinly spread ATE Plastilube over it.

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11 mm reamer for ABS sensor mount



Order no: 03.9301-0008.3
Short order no: 760176



Before installing a new ABS wheel speed sensor, this fixture hole must be thoroughly cleaned and brought back to nominal dimension. The ATE reamer is the ideal tool for this.

The reamer enables precise cleaning of the fixture hole with an 11 mm diameter for the ABS wheel speed sensor, without expanding the diameter of the hole or damaging the sensor wheel.

This ensures correct reinstallation of the wheel speed sensor. The 11 mm reamer is tuned for use on vehicles of the VAG Group, e.g., Golf 6/7, Audi A3, Skoda Oktavia and Seat Leon. The drive ratchet has very fine toothing. The grip swivels in small stops. As a result, effective cleaning of the fixture hole is no problem, even in tight spaces.

Benefits:

- Time saving
- Swivel grip with very fine toothing
- Easy to use, even with limited space
- No damage to the fixture hole and the sensor wheel
- No damage to the new sensor when mounting
- Guarantee of precise measured values

Shipment: 11 mm reamer

Hint: To prevent corrosion in the mounting hole, it is advisable to thinly spread ATE Plastilube over it.

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15 x 23 mm reamer for ABS sensor mount



Order no: 03.9301-0006.3
Short order no: 760163

Before the installation of a new ABS wheel speed sensor the mounting hole must be cleaned and returned to nominal size. The ATE reamer is the ideal tool for this.

The reamer accurately cleans the 15 mm ABS wheel speed sensor mounting hole without making the hole bigger and without damaging the sensor wheel. This guarantees correct re-installation of the wheel speed sensor.

The ratchet spanner is finely toothed. The handle pivots in small steps. This way, the mounting hole can be cleaned effectively and easily even in restricted work areas.

Benefits:

- Very finely toothed ratchet spanner
- Pivoting handle
- Ease of use in limited space
- No damage to mounting hole or sensor wheel

Hint: To prevent corrosion in the mounting hole, it is advisable to thinly spread ATE Plastilube over it.



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18 x 23 mm reamer for ABS sensor mount



Order no: 03.9301-0007.3
Short order no: 760164

Before the installation of a new ABS wheel speed sensor the mounting hole must be cleaned and returned to nominal size. The ATE reamer is the ideal tool for this.

The reamer accurately cleans the 18 mm ABS wheel speed sensor mounting hole without making the hole bigger and without damaging the sensor wheel. This guarantees correct re-installation of the wheel speed sensor.

The ratchet spanner is finely toothed. The handle pivots in small steps. This way, the mounting hole can be cleaned effectively and easily even in restricted spaces..

Benefits:

- Very finely toothed ratchet spanner
- Pivoting handle
- Ease of use in limited space
- No damage to mounting hole or sensor wheel

Hint: To prevent corrosion in the mounting hole, it is advisable to thinly spread ATE Plastilube over it.



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Reamer 18 x 34 mm for ABS sensor mount, special length for VAG vehicles



Order no: 03.9301-0004.3
Short order no: 760161

Before the installation of a new ABS wheel speed sensor the mounting hole must be cleaned and returned to nominal size. The ATE reamer is the ideal tool for this.

The reamer accurately cleans the 18 mm ABS wheel speed sensor mounting hole without making the hole bigger and without damaging the sensor wheel. This guarantees correct re-installation of the wheel speed sensor. The length of 34 mm is specifically designed for a number of VAG vehicles.

The ratchet spanner is finely toothed. The handle pivots in small steps. This way, the mounting hole can be cleaned effectively and easily even in restricted work areas.

Benefits:

- Very finely toothed ratchet spanner
- Pivoting handle
- Ease of use in limited space
- No damage to mounting hole or sensor wheel

Hint: To prevent corrosion in the mounting hole, it is advisable to thinly spread ATE Plastilube over it.



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Manual impact screwdriver set



Order no: 03.9314-0050.3
Short order no: 760170

Often the retaining screws of the brake discs are seized due to corrosion. Loosening such screws with a screwdriver can be very difficult.

ATE's manual impact screwdriver with bits for the most common types of cross head screws, hexagon socket screws and TORX screws ensures damage-free, easy loosening of the retaining screws. Striking the impact screwdriver firmly pushes the bit into the screw head while the angular movement generated detatches the crew from it's mounting. The manual impact screwdriver and bits are made of high-strength, industry-grade chromium vanadium steel.

Benefits:
- 10 bits for all standard brake disc retaining screws
- Compact design
- Industry-grade chromium vanadium steel

Shipment: Manual impact screwdriver
- 10 bits
- Hexagon socket: SW 5, 6, 10 mm
- Cross head. PZ3, PH3, PH4
- TORX: T-30, T-40, T-45, T-50

Security:
- Always wear protective goggles and gloves when using the manual impact screwdriver.

Mounting sleeve set



Order no: 03.9314-3000.3
Short order no: 760172

Vehicles with wheel bearings integrated in the brake disc or drum are increasingly being sold. During installation, such bearings might twist on the axle journal. When trying to pull the disc or drum off the axle journal, the wheel bearings disintegrate beyond repair.

ATE's mounting sleeve set safely prevents such twisting.

From the set, select the mounting sleeve that fits the diameter and insert it into the integrated bearing. This pre-aligns the two inner bearing rings. Now use the mounting sleeve to slip the brake disc or drum over the threaded section of the (slightly lubricated) axle journal. It will now easily push up to the stop without twisting.

Benefits:
- No damage to the integrated wheel bearings
- Quick and secure mounting
- For all current applications
- Also suitable for other brake manufacturers

Shipment:
- 8 mounting sleeves
- Convenient rigid-foam inlay for equipment storage

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ATE Caliper repair case



Order no: 11.0109-9001.3
Short order no: 250158

The brake caliper repair case is intended for repair and maintenance of guide elements on the ATE brake caliper

The case contains in all 118 ATE original parts and is sufficient for the repair of up to 20 brake calipers. The parts for brake caliper repairs are arranged in an assortment case and thus kept handy for caliper repairs. The labeling of the individual case compartments simplifies re-ordering of the components parts. The case is delivered with 2 honing brushes (ATE and Lucas) for guideway cleaning.
The repair parts can be used for all motor vehicles with ATE sliding calipers.

Shipment: Initial set

Guide pin
8 x 11.8171-0067.1
16 x 11.8171-0008.1 (replaces -0069.1)
4 x 11.8171-0072.1
4 x 11.8171-0096.1
2 x 11.0103-0001.2 (repair set)
2 x 11.0103-0002.2 (repair set)

Protective caps
10 x 11.8190-0067.1
10 x 11.8190-0157.2
10 x 11.8190-0751.1

Guide bushes
8 x 11.8171-0015.2
8 x 11.8171-0022.1
8 x 11.8171-0061.2
4 x 11.8171-0065.2
8 x 11.8171-0066.1
8 x 11.8171-0073.2
8 x 11.8171-0092.1

Honing brushes
1 x 03.9314-1395.1
1 x 03.9314-1396.1

Hint: For ATE part numbers see product information in the lid of the case. Use these numbers for component reordering. In order to facilitate finding the vehicle type in the catalog, the product information also lists the repair set item number for each component part. This way the case can be used universally.

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Chassis tester



Order no: 03.9314-5971.3
Short order no: 760200



The chassis tester is a simple but very effective aid for localising bearing play in the area of the vehicle axles.

Under chassis load, bearing play on the strut bearings, silent bearings, ball joints, tie rod ends, coupling rods, wheel bearings, axial joints, steering gears, etc. can be quickly and easily localised with the aid of the chassis tester.

Much time can be saved during troubleshooting and diagnostics with the aid of the chassis tester.

This tester is suitable for all passenger cars up to 3.5 t.

Made of special steel, this tester is guaranteed a long service life in daily workshop use. The special plastic reliably prevents the tester from slipping during use on the vehicle.

Areas of application: Strut bearings, silent bearings, ball joints, tie rod ends, wheel bearings, axial joints, steering gears, stabilisers, etc.

Benefits:

- For localisation of bearing play in the area of vehicle axles
- Play testing under load as in driving condition
- Especially economical test method
- Simple handling – one-person operation
- High time savings during troubleshooting
- Suitable for all passenger cars up to 3.5 t

Shipment:

- Chassis tester

Technical data:	
Length 1:	400 mm
Length 2:	400 mm
Tube diameter:	32 mm
Test suface diameter:	51 mm

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Brake pad adhesive film



Order no: 13.0460-0400.2
Short order no: 610400

The adhesive film for the back plate of the brake pad is a simple, but very effective aid for removing clacking noises from brake pads in older vehicles with higher milage.

The adhesive film, which is fit beforehand, adheres to both sides and is first adhered to the cleaned/degreased back plate of the brake pad. Afterwards the brake pad can be glued in the brake calliper. By gluing the brake pad, the clacking and rattling noises are effectively prevented.

Area of application: Older vehicles with higher milage

Benefits:

- Effective suppression of rattling / clacking noises of the brake pad in older vehicles
- Universal use

Shipment:

- 4 films for one vehicle axle

ATE magnetic cup set



Order no: 03.9314-5975.3
Short order no: 760248

The ATE magnetic cup set is a practical helper for the workshop. With a 80 mm rubber-coated magnet and a holding force of approx. 2.5 kg, the magnetic cups are ideal for storing consumables directly at the workstation e.g. on workshop trolleys and lifting platforms. The magnet not only holds the cups in place, it also keeps magnetic consumables in place in the cup. The bevelled housing shapen also makes the storage of non-magnetic parts possible. The generous housing opening enables good visibility and easy removal of parts.

Benefits:

- Durable plastic
- Holding force approx. 2.5 kg for attachment on workshop trolleys, lifting platforms etc.
- Housing opening enables good visibility and easy removal of parts
- Optimised, bevelled housing shape
- Diameter: 150 mm

Shipment:

2 pcs. magnetic cups

Hint:

Technical data:	
Weight:	0,38 Kg
Diameter:	150 mm

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ATE knee pad



Order no: 03.9314-5970.3
Short order no: 760199



The ATE knee pad relieves the body when working in a kneeling position on the floor and near the floor, by distributing point loads on the knee over a wide area and thus significantly reducing pressure on the knees.

The ATE knee pad is tough, thermally insulated and washable. It offers protection against hard, cold and moist foundations.

Thanks to the carrying handle, it allows for quick and practical handling.

Benefits:

- Versatile use in the workshop.
- The grip recess ensures practical handling and can be used for hanging up.
- Washable
- Offers protection against cold, hard, dirty and moist foundations when kneeling during work.

Shipment: ATE knee pad

Technical data:	
Length:	475 mm
Width:	310 mm
Height:	30 mm
Weight:	200 g

Cap screws for fluid reservoir



Order no: 03.9302-0784.2
Short order no: 740071

The ATE aluminum fluid reservoir cap screws, without bleeder holes for a 45-mm buttress thread allow the fluid reservoir to be completely sealed. This prevents any water entering the reservour during engine cleaning. The brake system cannot drain during assembly work.

Hint: When the work has been completed, replace the cap screws with the original connectors!

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Brake hose clamp



Order no: 03.9310-0060.3
Short order no: 760028

The ATE brake hose clamp is used to clamp brake hoses during brake repairs or troubleshooting. This prevents the brake system from draining while repairs are underway. During troubleshooting, an individual wheel brake can be disabled.

Benefits:

- The round shape of the clamping arms (diameter 12 mm) prevents damage to the brake hose.
- Stainless Steel

Security:

- Always use the hose clamp in the middle of the brake hose.
- When work is complete, make sure that you remove the hose clamp!

ATE flexible hook set



Order no: 03.9314-5974.1
Short order no: 760243

The ATE flexible hook is a great help in many situations. You can use the ATE flexible hook during brake repairs, for example, to fix the calliper safely to the strut. This takes the pressure off the brake tube and prevents damage. Thanks to its clear signal colour, the tool will not be forgotten after repairs have been finished either. In addition, holders and supports can be bent easily thanks to the flexible design.

Benefits:

- Universal use
- Flexible design
- Signal colour
- Relieves pressure on the brake hose
- Simple to use

Shipment: 2 pcs. flexible hook

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ATE brake cylinder paste (in tube)



Order no: 03.9902-0510.2
Short order no: 700019

ATE brake cylinder paste is used for repair, assembly and conservation of hydraulic brake components It is applied thinly and evenly to cylinder sleeves, pistons and seals.

Benefits: compatible with DOT 3, DOT 4 and DOT 5.1 brake fluids

Shipment: 180 g tube.

Security: Safety note:No mineral greases or oils may be used in places that come into contact with brake fluid.

Technical data:	
Contents:	180 g

ATE Plastilube 75 ml



Order no: 03.9902-1002.2
Short order no: 700015

ATE Plastilube lubricates and provides protection against corrosion for the guide surfaces of brake calipers and brake pads.

To prevent squealing, ATE Plastilube is applied to the backing plates of the brake pads.

Benefits:

- Free from metal soaps and fatty acids, so it is not corrosive.
- Long-lasting, hence reduced maintenance frequency.
- Insoluble in water and outstanding resistance to leaching.

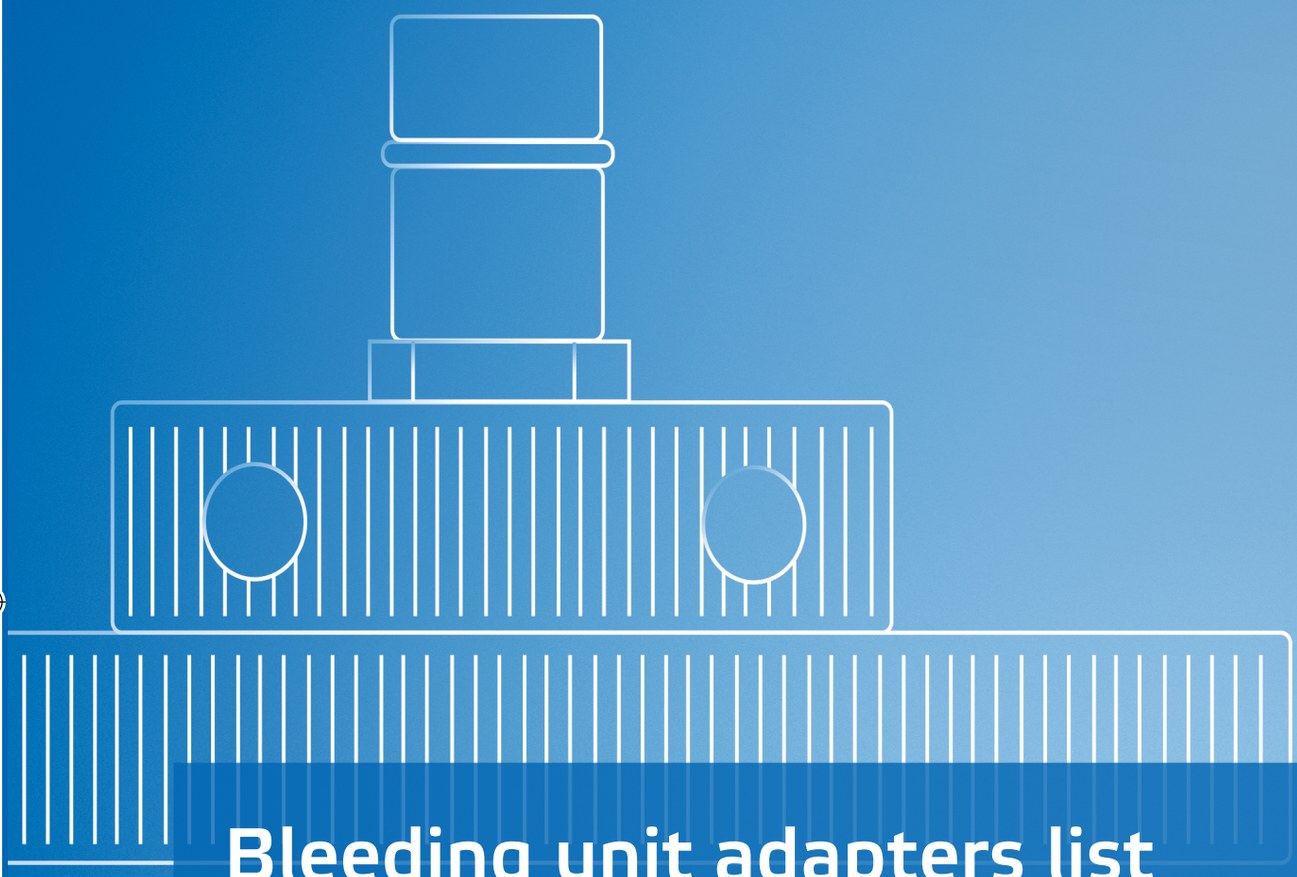
Shipment: 12 tubes each holding 75 ml in display package

Hint: Caution: Do not apply on brake pad friction surfaces

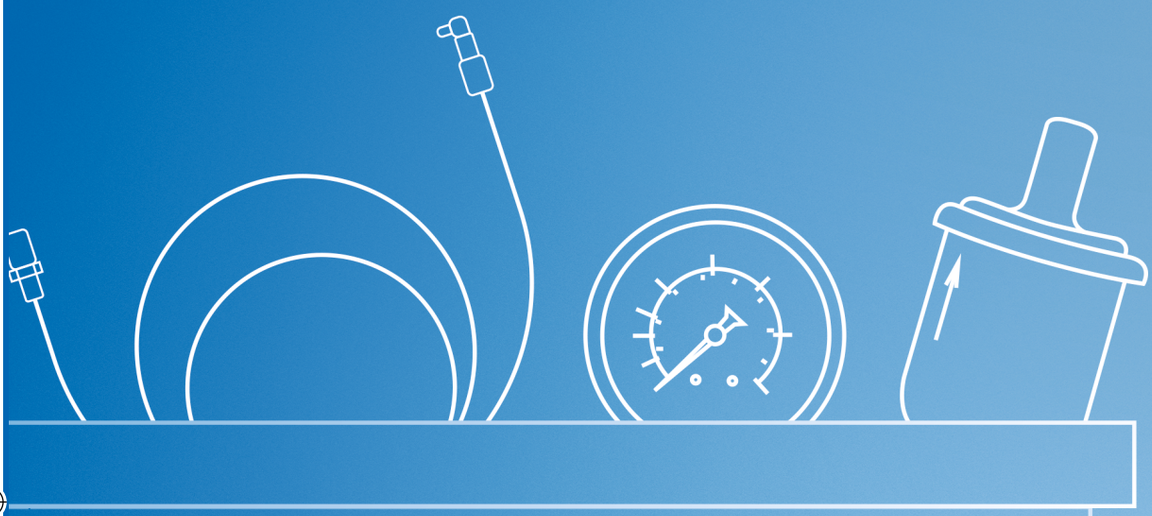
Technical data:	
Contents:	75 ml

ATE Plastilube 35 ml	
Contents:	35 ml
Order no	03.9902-1001.2
Short order no	700014

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Bleeding unit adapters list
ate-info.de



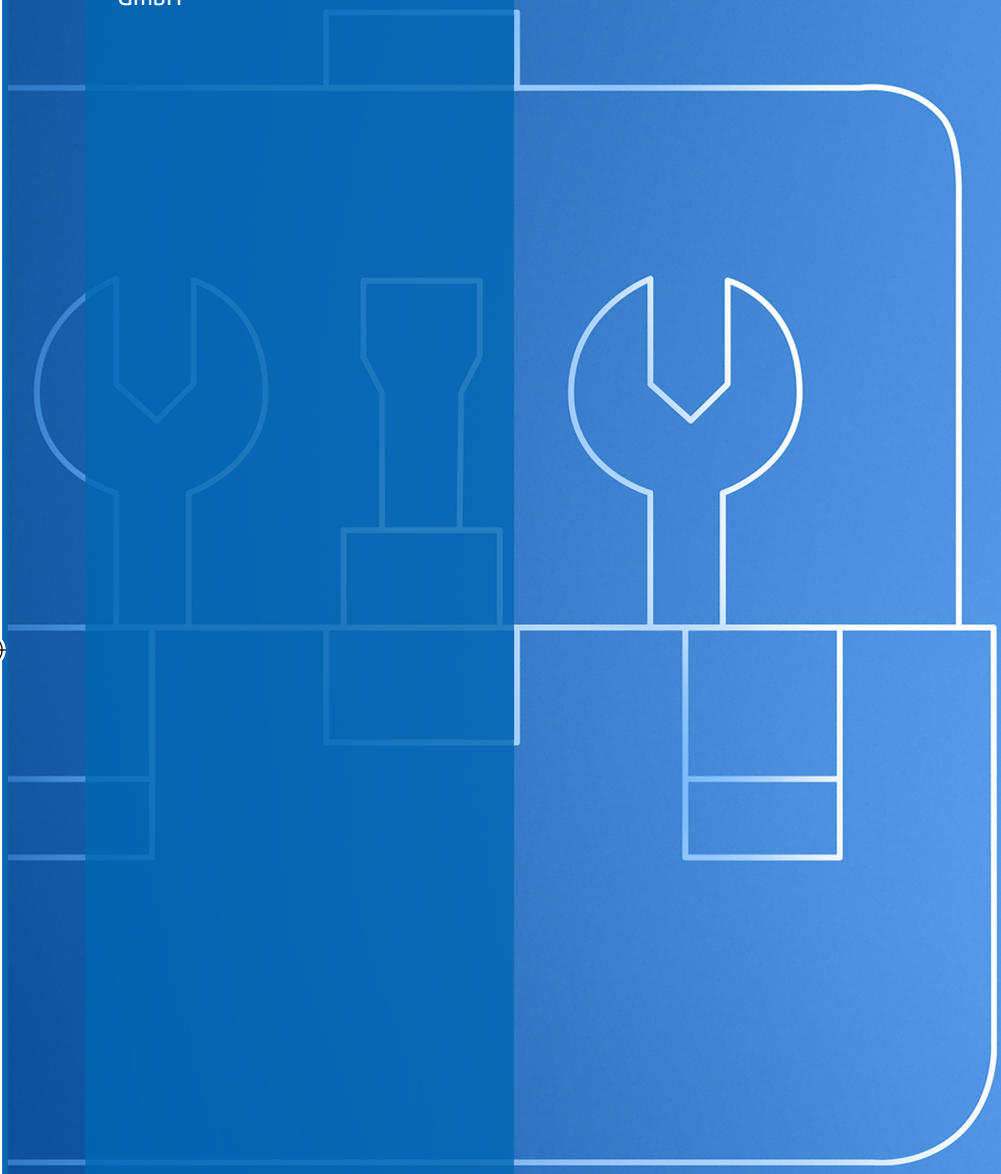
Spare parts list
ate-info.de

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EN Brake service equipment and tools