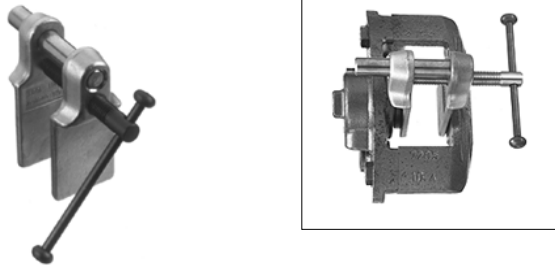
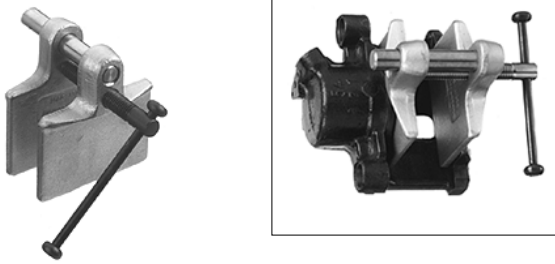


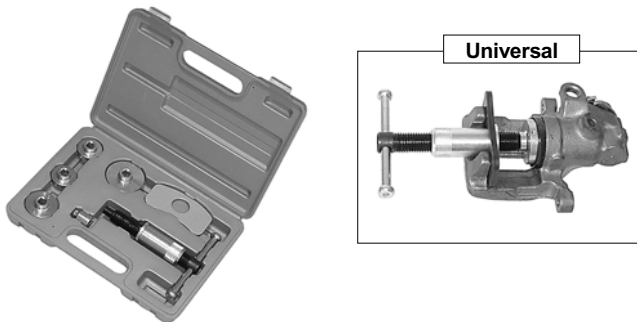
KL-0111-1



KL-0111-2



KL-0113-20 K



Accessories:

KL-0113-2010



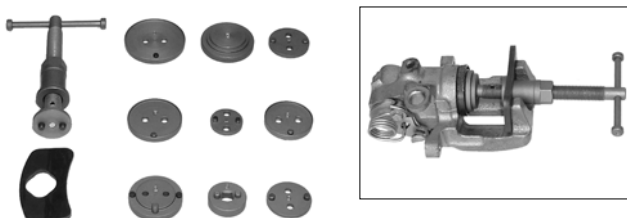
KL-0112-0008



KL-0112-0013



KL-0112-3



Accessories:

KL-0112-3010



KL-0112-0013



KL-0111-1 Caliper Pressing Tool with narrow jaws

For fully floating caliper with single or double piston or for fixed caliper with two pistons.
This tool allows quick and clean pressing back of caliper pistons into caliper housings without damage to seal or caliper piston.

Advantages:

- No sticking of caliper pistons while pressing back.
- Low working force due to precise guide.
- High stability and wear-resistance due to hardened jaws and hardened pilot bolts.
- High precision manufactured tool guarantees easy and durable usage.

Technical Data: See KL-0111-2

KL-0111-2 Caliper Pressing Tool with wide jaws

As **KL-0111-1** but for fully floating caliper with two pistons or for fixed caliper with four pistons.

Technical Data:

	KL-0111-1	KL-0111-2
Overall length max.	180 mm	180 mm
Overall height	115 mm	115 mm
Useful height of jaws	65 mm	65 mm
Width of jaws	50 mm	100 mm
Working travel min.	13 mm	13 mm
Working travel max.	70 mm	70 mm
Weight	940 g	1340 g

KL-0113-20 K Press/Wind-back Tool (5 Adaptors)

Suitable for: **VW-Audi, BMW, Ford, Honda, Jaguar, Mazda, Mitsubishi, Nissan, Peugeot, Rover, Seat, Škoda, Toyota etc.**

To wind-back the piston in floating calipers with integrated Parking Brake adjustment (right-handed rotation).

Before new Brake Pads are fitted it is necessary to wind-back the caliper piston to its „nil/new“ position. The Tool Set consists of Tool Body, 5 Adaptors, Support Plate and Plastic Storage case.

Accessories:

KL-0113-2010 Adaptor 3/8" to Ø7

Adaptor to allow the use of **KL-0112-1/-2** Caliper Piston Adaptors.

KL-0112-0008 Adaptor for Citroën XM / BX

To re-position the caliper piston on Citroën XM / BX.

KL-0112-0013 Adaptor for Citroën C5

To re-position the caliper piston on Citroën C5.

Note: On the Citroën C5, the left side calipers have a **left-handed thread** and the calipers on the right have a **right-handed thread**. The adaptor **KL-0113-2010** is required.

KL-0112-3 Press/Wind-back Tool

To wind-back the piston in floating calipers with integrated Parking Brake adjustment.

Suitable for **VW-Audi, Ford, Nissan, Subaru, Mazda, Toyota, Mitsubishi**, etc.

The caliper-piston is wound back by the Spindle and the Toggle.

The Tool is delivered in a Plastic Storage Case.

Accessories:

KL-0112-3010 Adaptor Ø7

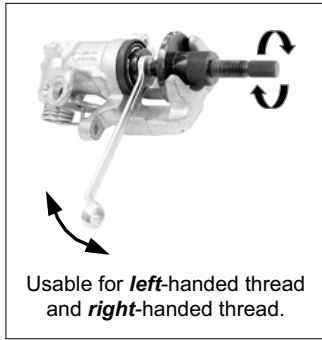
Adaptor to allow the use of **KL-0112-1/-2** Caliper Piston Adaptors.

KL-0112-0013 Adaptor for Citroën C5

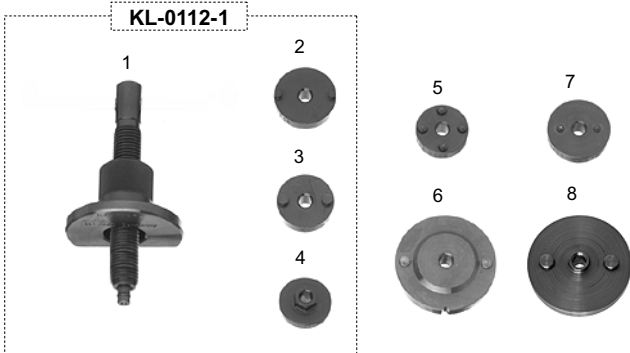
To re-position the caliper piston on Citroën C5.

Note: On the Citroën C5, the left side calipers have a **left-handed thread** and the calipers on the right have a **right-handed thread**. The adaptor **KL-0112-3010** is required.

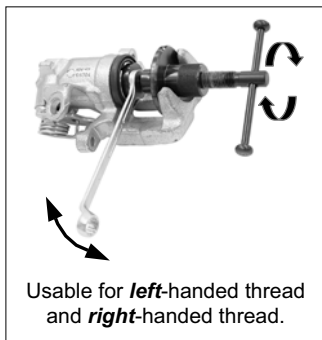
KL-0112-1



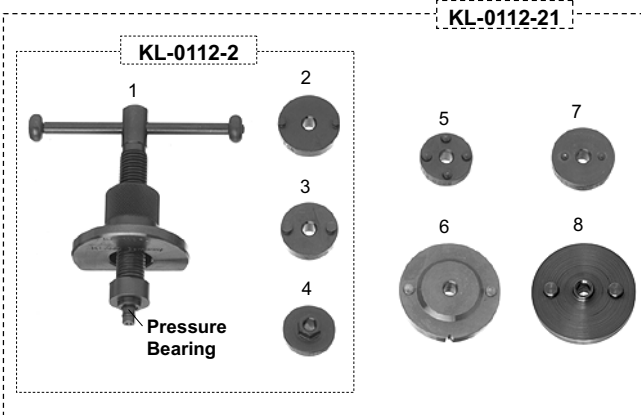
KL-0112-1



KL-0112-2



KL-0112-21



KL-0112-1 Pressure and Wind Back Tool

Universal pressure and wind back tool for pressing back of caliper pistons in floating calipers both equipped with handbrake mechanism or without.

Suitable for **Audi, Citroën, Fiat, Ford, Honda, Mazda, Mitsubishi, Nissan, Opel, Peugeot, Renault, Seat, Subaru, Toyota, VW**, etc.
The piston is moved back by turning the hexagon on the thrust block.

Spare Parts:

Pos.	Part No.	Description
	KL-0112-1	Pressure and Wind Back Tool incl. 2 adaptors
	<i>consists of:</i>	
1	KL-0112-1000	Pressure and Wind Back Tool
2	KL-0112-0005	Adaptor size 2
3	KL-0112-0007	Adaptor size 1
	KL-0112-0020	Storage case empty

Accessories:

4	KL-0112-0008	Adaptor Size 8 ⇒ (Usage see KL-0112-2)
5	KL-0112-0009	Adaptor Size 9 ⇒ (Usage see KL-0112-2)
6	KL-0112-0006	Adaptor Size 6 ⇒ (Usage see KL-0112-2)
7	KL-0112-0010	Adaptor Size 10 ⇒ (Usage see KL-0112-2)
8	KL-0112-0013	Adaptor Size 13 ⇒ (Usage see KL-0112-2)

Technical Data:

Working Travel max.:65 mm

Weight:822 g

KL-0112-2 Pressure and Wind Back Tool

Universal pressure and wind back tool for pressing back of caliper pistons in floating calipers both equipped with handbrake mechanism or without.

Suitable for **Audi, Citroën, Fiat, Ford, Honda, Mazda, Mitsubishi, Nissan, Opel, Peugeot, Renault, Seat, Subaru, Toyota, VW**, etc.

Spare Part List for our best-selling Brake Tool:

Pos.	Part No.	Description
	KL-0112-2	Pressure and Wind Back Tool incl. case
	<i>consists of:</i>	
1	KL-0112-2000	Pressure and Wind Back Tool
2	KL-0112-0005	Adaptor size 2 ⇒ e.g. Audi (A3; A4; A6; A8; V8), Ford (Mondeo II ; Focus), Lancia (Delta; Kappa; Ulysse), Mazda (323; 626; 929; Premacy), Mitsubishi (Carisma; Colt; Space Star; Lancer; Galant), Nissan (Bluebird; Sunny), Opel (Bosch floating caliper; Astra; Zafira), Peugeot (307 CC;405), Renault (Master), Rover (825), Seat (Alhambra; Leon; Toledo II), Toyota (Corolla; MR2), VW (Passat; Golf; Sharan; Touran; T4; T5), etc.
3	KL-0112-0007	Adaptor size 1 ⇒ e.g. Fiat (Barchetta; Marea; Brava; Bravo; Croma; Coupé; Tipo); Lancia (Delta; Prisma; Integrale), Mazda (6), Renault (R5; R11; R19 GTX), Subaru (1600), etc.
	KL-0112-0020	Storage case empty

Pos. Part No. Description

Pos.	Part No.	Description
	KL-0112-21	Pressure and Wind Back Tool incl. 7 adaptors
	<i>consists of:</i>	
	KL-0112-2	Pressure and Wind Back Tool incl. case
4	KL-0112-0008	Adaptor size 8 ⇒ e.g. Citroën (BX; XM), Peugeot (205; 309), Renault (Alpine; R19), etc.
5	KL-0112-0009	Adaptor size 9 ⇒ e.g. Honda (Accord; CRX; Prelude), etc.
6	KL-0112-0006	Adapter Gr.6 ⇒ z.B. Alfa Romeo (Alfa 164), Audi (80; 90; 100; 200), etc.
7	KL-0112-0010	Adaptor size 10 ⇒ e.g. Ford (C Max ; Focus), Lancia (Delta 1.9 TD), Mazda (3), Mini (Mini One), Nissan (Primera P12), Opel (Astra G; Vectra C; Vectra C Caravan; Signum; Meriva; Zafira), Renault (R21; Laguna; Espace), etc.
8	KL-0112-0013	Adaptor size 13 ⇒ e.g. Citroën (C5), etc.

Technical Data:

	KL-0112-2	KL-0112-21
Overall length (without Adaptor)	120 mm	120 mm
Max. Working travel	65 mm	65 mm
Weight	0,9 kg	1,1 kg
Case (L×W×H) [mm]	235 × 220 × 76	235 × 220 × 76

KL-4041-361K



KL-4041-361K Torx® - Special Socket Set

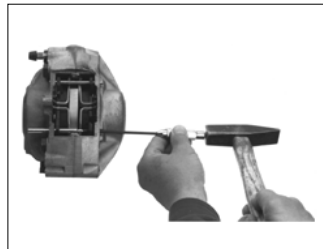
Special socket inserts, reinforced design in a plastic case. Useable for the repair of axles and engines.

Drive: 1/2"□ Length: 78 mm

Special Sockets

Part No.	Size	Part No.	Size
KL-4041-3630	T30	KL-4041-3655	T55
KL-4041-3640	T40	KL-4041-3660	T60
KL-4041-3645	T45	KL-4041-3670	T70
KL-4041-3650	T50		

KL-0116-3



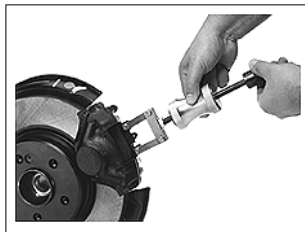
KL-0116-3 Special Drift Set

For removal of brake pad retaining pins.

The drift **KL-0116-0002** has a pilot centering base specifically for spring-type straight pins on **Opel/Vauxhall** etc.

Part No.	Part No.
KL-0116 Drift Set	KL-0116-3 Drift Set
<i>consists of:</i>	<i>consists of:</i>
KL-0116-0001, Ø 4 mm	KL-0116-0001, Ø 4 mm
KL-0116-0002, Ø 6 mm	KL-0116-0002, Ø 6 mm
	KL-0116-0003, Ø 5 mm
Length: 165 mm	Length: 165 mm
Weight: 166 g	Weight: 247 g

KL-0116-2



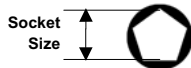
KL-0116-2 Slide Hammer

For stubborn brake pads.

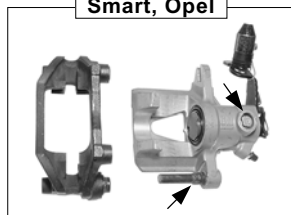
KL-0116-2 consists of slide hammer, jaw **KL-0116-20** with 4,0 mm pins and jaw **KL-0116-21** with 5,9 mm pins.

Length: 250 mm Weight: 1.6 kg

KL-0461-10



Smart, Opel



KL-0461-10 Pentagon Socket

Suitable for the **lower brake caliper retaining screw** on the **Smart**.

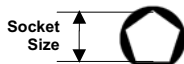
For removal and installation of the front-axle brake calipers.

Suitable for: **Rear Brake Caliper on Opel Astra G, Zafira.**

To remove and replace the guide pins when these are corroded and the floating caliper is no longer free to self-centre. Also required to remove the caliper piston.

Socket Size: 14 mm Drive: 1/2"□

KL-1460-1



Citroën, Peugeot, Renault

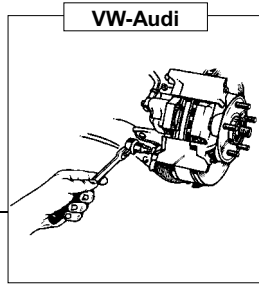
KL-1460-1 Pentagon Socket

To dismount the brake caliper on **Citroën, Peugeot** and **Renault**.

Socket Size: 19 mm Drive: 1/2"□

Note: Further sockets and special sockets see chapter 10.

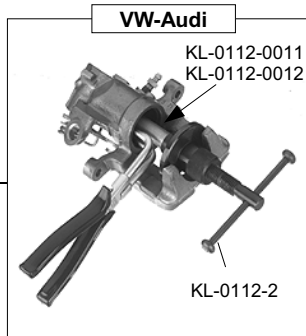
KL-4021-3107



KL-4021-3307



KL-0112-0011



KL-0112-0012



KL-0192-7



KL-0049-100



KL-0049-1005



KL-0049-1006



KL-4021-3107 Special Socket 7 mm

Special Hex Socket.

Suitable for:

- shock absorber-piston rod VW-Audi, etc.
- brake caliper mounting bolt VW-Audi, etc.

Length total: 100 mm Weight: 100 g
Drive: 1/2" □

KL-4021-3307 Special Socket 7 mm

Special Hex Socket.

Suitable for:

- shock absorber-piston rod VW-Audi, etc.
- brake caliper mounting bolt VW-Audi, etc.

Length total: 140 mm Weight: 125 g
Drive: 1/2" □

KL-0112-0011 Adaptor

To press the brake caliper spring (in conjunction with **KL-0112-2**) when repairing the caliper on **VW-Audi** cars from 1987 onwards.

KL-0112-0012 Adaptor

To press the brake caliper spring (in conjunction with **KL-0112-2**) when repairing the caliper on **VW-Audi** cars up to 1987.

KL-0192-7 Circlip Pliers angled 90°

For brake calipers and transmission, angled 90°.

Length: 190 mm Length of Flange 60 mm

KL-0049-100 Slide Hammer Basic Tool

When repairing the brake caliper, stuck spindles can be extracted with the basic slide hammer tool **KL-0049-100** in conjunction with the adaptors **KL-0049-1005** or **KL-0049-1006**.

KL-0049-1005 Adaptor

For Brake Caliper Spindle.

Application: For Brake Calipers on the rear axle of **VW-Audi** cars up to 1987 in conjunction with Tool **KL-0049-100**.

KL-0049-1006 Adaptor

For Brake Caliper Spindle.

Application: For Brake Calipers on the rear axle of **VW-Audi** cars from 1987 onwards in conjunction with Tool **KL-0049-100**.

KL-0114-7



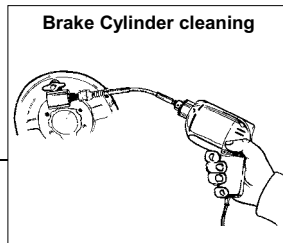
KL-0114-8



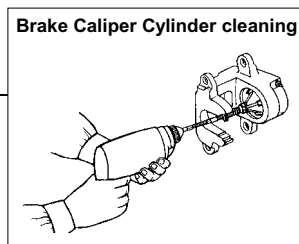
KL-0114-81



KL-0199-10



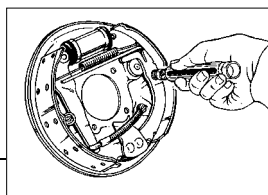
KL-0199-11



KL-0199-13



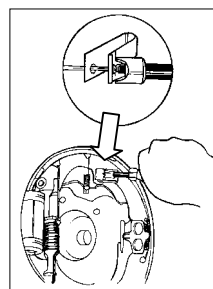
KL-0114-4



KL-0114-41



KL-0114-42



KL-0114-7 Caliper File

For cleaning the caliper before installing the brake pads.

Length:.....220 mm Weight: 85 g

KL-0114-8 Caliper Brush (Steel)

For cleaning the caliper before installing the brake pads.

Length:.....220 mm Weight: 60 g

KL-0114-81 Brass-Wire Brush (narrow)

For cleaning sensitive control units, contacts, engine and brake parts, etc.

Width: 11,7 mm Length: 220 mm
Weight:60 g

KL-0199-10 Hone Tool ø 18-63 (Twin-Arm)

Technical Data:

Cylinder-Ø: 18 - 63 mm Segment Length: 28 mm
Replacement Stones: ... 2 Stone Weight: 85 g

KL-0199-101 Replacement Stones Set (2 Stone)

Length:.....28 mm Weight: 28 g

KL-0199-11 Hone Tool ø 22-50 (Triple-Arm)

Technical Data:

Cylinder-Ø: 20 - 60 mm Segment Length: 28 mm
Replacement Stones: ... 3 Stone Weight: 85 g

KL-0199-111 Replacement Stones Set (3 Stone)

Length:.....28 mm Weight: 28 g

KL-0199-13 Hone Tool ø 38-79 (Triple-Arm)

Technical Data:

Cylinder-Ø: 38 - 79 mm Segment Length: 25 mm
Replacement Stones: ... 3 Stone Weight: 85 g

KL-0199-131 Replacement Stones Set "old version" (3 Stone)

Length:.....4,5 x 24 mm Weight: 28 g

KL-0199-132 Replacement Stones Set (3 Stone)

Length:.....5 x 19 mm Weight: 28 g

KL-0114-4 Brake Spring Tool

For quick, easy and clean removal and installation of the spring plate of the retaining spring of drum brakes.

Length:.....130 mm Weight: 90 g

KL-0114-41 Brake Spring Tool

The tool will remove and replace the anti-squeal spring between the brake-shoe and the back-plate on drum-brakes. The spring is quickly, cleanly and safely removed and replaced.

For springs Ø of 13,5 mm -23 mm.

Length:.....155 mm Weight: 95 g

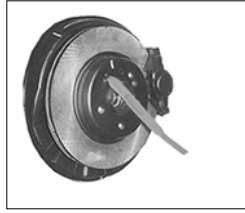
KL-0114-42 Brake Spring Tool

Suitable for European vehicles with brake-shoe retaining clips.

To release the retaining clip, insert the tool tips into the groove, and rotate the handle 90° in order to release the clip from the pin.

Length:.....155 mm Weight: 115 g

KL-0114-5



KL-0114-5 Adjusting Tool

For drum brakes with eccentric adjusters.

Length: 155 mm Weight: 50 g

KL-0114-43



Mercedes
A-Class



KL-0114-43 Brake Spring-Pliers

Suitable for Mercedes A-Class (e.g. A140), Citroen, Renault, Peugeot with Lucas drum brake on the rear axle.

To remove or install the brake shoes, the brake shoe retaining spring must be pre-tensioned with pliers **KL-0114-43**.

Both versions of the brake shoe retaining spring (see picture) can be tensioned with pliers **KL-0114-43**.

KL-0314-1



Retaining Spring



KL-0314-1 Brake Spring Tool

For the removal and replacement of the handbrake retaining spring on Mercedes-vehicles.

Applicable for conical and cylindrical retaining springs.

Length: 145 mm Weight: 110 g

KL-0114-2

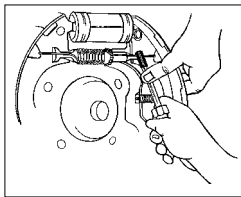


With off-set jaws.

For riveted and bonded brake linings.

Length: 317 mm Weight: 340 g

KL-0114-9

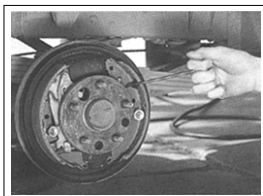


KL-0114-9 Brake Spring Tool

For removal and installation of retaining springs on such drum brakes where the brake pads are not fixed onto the anchor plate. Therefore the retaining spring will be inserted into the hook head of the tool and will be tightened by winding the handle. The installation happens by pulling the retaining spring with the tool into the correct position.

Length: 220 mm Weight: 85g

KL-0114-21

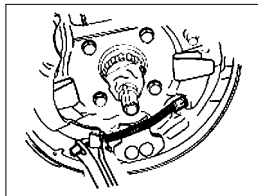


KL-0114-21 Brake Spring Assembly Hook

To remove and replace the hold-back spring on drum brakes.

Length: 30 mm Weight: 100 g

KL-0114-3



KL-0114-3 Brake Cable Spring Pliers

To remove and replace the Hand Brake Cable. The Pliers compress the return springs so far that the cable may be easily removed and replaced.

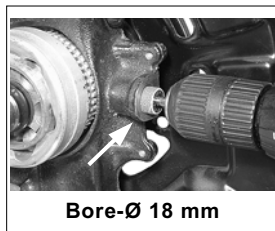
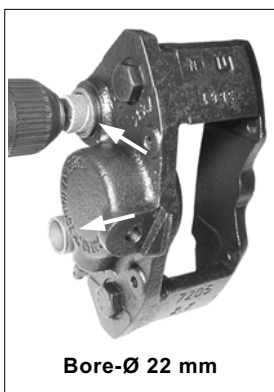
Suitable for VW, Audi, BMW, Citroën, Nissan, Peugeot, Renault, Rover, Seat, etc.

Length: 225 mm Weight: 175 g

KL-0114-990



The set includes 50 Abrasive Sleeves of each size.



KL-0114-6



KL-0114-13



KL-0114-990 Set of Holders with Abrasive Sleeves

Consists of: **KL-0114-91, KL-0114-92 and KL-0114-93.**

The Holder with the appropriate Abrasive Sleeve is ideal for quick and easy removal of rust and corrosion and dirt from inner bores, eg: bores in floating brake calipers, or mounting bore for ABS Sensors, etc.

Drive can be taken from a hand drill, either directly or with the aid of a flexible shaft.

KL-0114-91 Holder with 50 Abrasive Sleeves for Ø 16 mm

Suitable for: Brake Calipers on VW Golf, Passat, Polo, etc. with Ø 16mm bores.

consists of:

Part Number:	Description:	Qty
KL-0114-910	Holder depth 25mm; Shaft-Ø6mm; for Bore Ø16mm	1
KL-0114-911	Abrasive Sleeve set 80 grit (50 pieces)	1

Technical Data:

Shaft Ø: 6 mm Holder depth:25 mm

KL-0114-92 Holder with 50 Abrasive Sleeves for Ø 18 mm

Suitable for: ABS Sensor mounting on VW-Audi, BMW, etc. with Ø 18 mm bore

consists of:

Part Number:	Description:	Qty
KL-0114-920	Holder depth 30mm; Shaft-Ø6mm; for Bore Ø18mm	1
KL-0114-921	Abrasive Sleeve set 80 grit (50 pieces)	1

Technical Data:

Shaft Ø: 6 mm Holder depth:30 mm

KL-0114-93 Holder with 50 Abrasive Sleeves for Ø 22 mm

To fit floating brake calipers or to de-rust the brake pad contact surface on Opel vehicles. (e.g. Astra G), etc. with Bore-Ø 22 cm.

consists of:

Part Number:	Description:	Qty
KL-0114-930	Holder depth 25mm; Shaft-Ø6mm; for Bore Ø22mm	1
KL-0114-931	Abrasive Sleeve set 80 grit (50 pieces)	1

Technical Data:

Shaft Ø: 6 mm Holder depth:25 mm

KL-0114-6 Brake Pipe Spanner

Size 10 x 11 mm hex, angled and slotted, forged design.

Length:.... 175 mm

Weight: 82 g

KL-0114-13 Deep Ring Spanner Set (6-point)

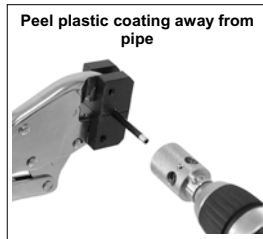
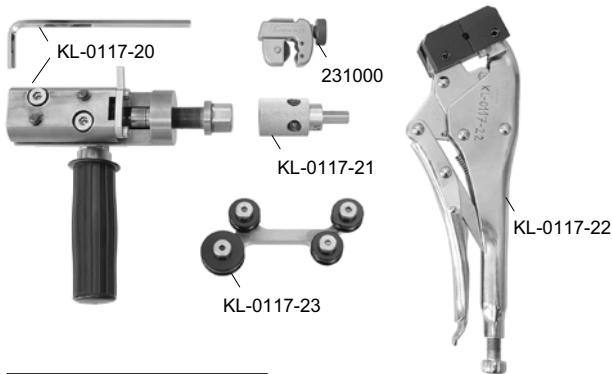
For brake bleeder valve,

consists of:

Part No.	Wrench Size	Part No.	Wrench Size
KL-0114-131	7 x 7 mm hex	KL-0114-134	10 x 10 mm hex
KL-0114-132	8 x 8 mm hex	KL-0114-135	11 x 11 mm hex
KL-0114-133	9 x 9 mm hex		

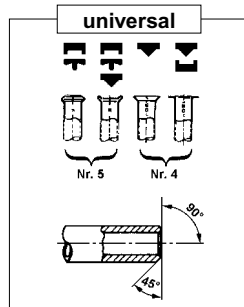
KL-0117-2 K

VW-Audi,
Seat, Škoda



Note:
The Brake Pipe Beading Tool Set is being supplied in a plastic case.

KL-0070



234001



KL-0117-2 K Brake Pipe Beading Tool Set (Pat.)

For beading the ends of the new plastic-coated brake lines used by **VW, Audi, Seat and Skoda** with an overall line diameter of 5.25 mm (plastic coating max. 0.5 mm thick).

This tool is specially designed to permit the plastic-coated brake line to be worked on in the vice, or when repairing a section of brake line on the vehicle (e.g. following damage in a rear-end collision).

The power train (engine/gearbox) no longer has to be removed if this tool set is used.

Application:

1. Cut off the brake pipe.
2. Peel away the plastic coating for a certain length and deburr the brake pipe.
3. Press flanging head of pattern F (acc. to DIN standard) against the brake pipe.
4. If necessary, bend the brake pipe to the correct configuration.

Advantages:

- ⇒ This tool set ensures clean removal of the plastic coating and deburring of the pipe
- ⇒ The brake pipe is held securely in the flanging tool without damaging the plastic coating or distorting the pipe
- ⇒ Flanged ends are produced accurately according to German Industrial Standard DIN pattern F
- ⇒ Up to 7 hours of work time can be saved.

Contents:

- KL-0117-20 Brake Pipe Beading Tool (incl. 6 mm angled screwdriver)
- KL-0117-21 Brake Pipe-peeling tool
- KL-0117-22 Grippers with plastic jaws
- KL-0117-23 Pipe bending tool
- 231000 'mini-quick' pipe cutter
- KL-0117-29 Plastic case

KL-0070 Dual Beading Press

For all brake pipes with Plastic Sheathing 0,10 mm (olive-green colour) overall \varnothing 4,85 mm and pipes without plastic sheathing with \varnothing 4,75 / 5 / 6 and 9 mm.

The special profile of the Chuck jaws prevents any damage to the protective plastic coating.

Note: The KL-0070 double flanging press is not suitable for plastic-coated brake lines with a max. diameter of 5.25 mm (see KL-0117-2 above).

Weight:..... 3,3 kg

234001 Dual Beading Tool CODE 4505530

For 4.75 - 10 mm diameter metric-size pipes, complete in sheet steel case, for brake lines, refrigerant lines, hydraulic and pneumatic pipes with a wall thickness between 0.7 and 1.0 mm. GTW tempered cast body, stove-enamelled in blue, phosphatised steel jaws.

Also available as a set for metric size pipes and inch size pipes (No. 234 013) or for inch-size pipes only (No. 234 002).

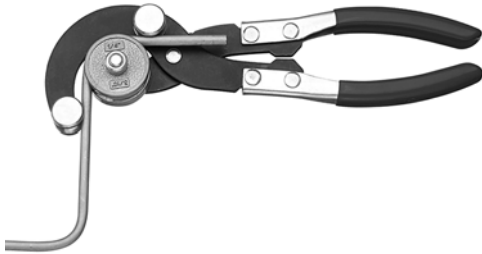
231000



231000 Miniature Pipe Cutter MINI-QUICK CODE 4504560

With tool body in pressure-cast zinc, stove enamelled blue, cutting wheel in chrome-alloyed stainless steel.
For Ø of 4 - 16 mm O.D. tubing.
Especially suitable for barely-accessible places.

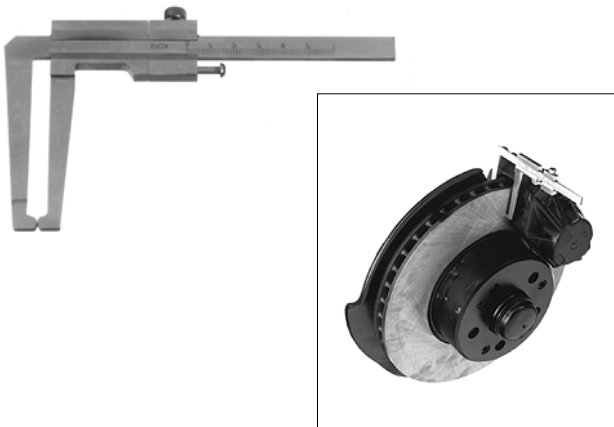
241500



241500 Universal Pipe Bending Pliers CODE 1442007

Bends up to 90°, for copper pipes DIN EN 1057 and all non-ferrous metal pipes as well as thin-walled precision steel pipes and brake lines from 4.75 to 10 mm Ø, (two turnable formers 4.75-6.0 and 8.0-10.0 mm), bright nickel-plated, handles PVC coated.

KL-0140-33



KL-0140-33 Slide Caliper for Brake Disc

To measure the thickness of installed brake-disks. The tool is hardened and contains a locking screw.

Description: stainless-steel

Range:50 mm Jaw length:75 mm
Vernier1/10 mm Weight:110 g

KL-0128-31 Dial Gauge Stands with Dial Indicator

Consists of **KL-0128-1** and **KL-0128-3**.

- To measure the wobble of the brake disc.
- For adjusting the engine and transmission

Strong rods of tool-steel, with fine adjustment for dial-gauge-clamp, prismatic magnetic base.

KL-0128-31



KL-0128-1 Dial Indicator Ø 58 mm

Description: Stem and spindle stainless steel, accuracy to DIN 878-A.

Reading:0,01 mm Measuring Range: ...10 mm
Housing -Ø:58 mm Stem -Ø:8 mm
Set nut revolution by 360°:1 mm

KL-0128-3 Dial Gauge Stand without Dial Indicator

For further Information, and Accessories see Chapter 10.

KL-0140-41

KL-0140-40



Frame Micrometers

With ratchet and clamping-ring, enclosed thread, spindle hardened and adjustable, with hand guard insulating pads, reading parts chrome plated, with check-gauge. Description: Chrome-plated.

KL-0140-40 Frame Micrometer

Range: 0-25 mm Pitch: ½ mm
Weight:350 g

KL-0140-41 Frame Micrometer

Range:25-50 mm Pitch: ½ mm
Weight:500 g

Note: The Frame Micrometers **KL-0140-40** and **KL-0140-41** are delivered in storage boxes.

KL-0140-36

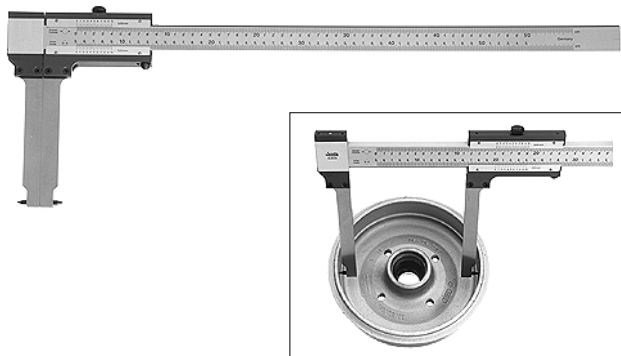


KL-0140-36 Slide Caliper Digital

Open slide, hardened, with cross-points and depth gauge.
Description: stainless steel.

Range:..... 155 mm
Jaw length:..... 40 mm
Vernier:..... 0,01 mm
Weight:..... 200 g

KL-0140-32



KL-0140-32 Slide Caliper for Brake Drum

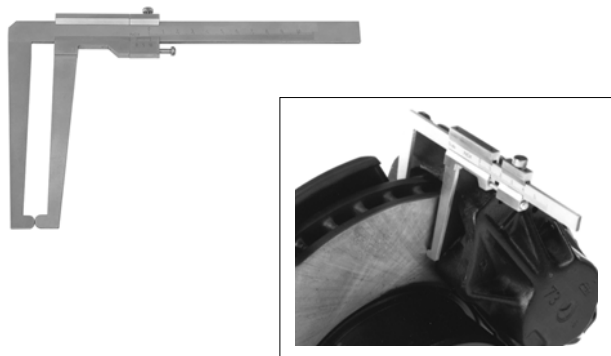
Measuring-surfaces stainless steel, rule and slide produced of aluminium-profile, open slide, fixing-screw, vernier parallax free reading.

Range:..... 500 mm
Jaw length:..... 250 mm
Vernier:..... 1/20 mm + 1/128"
Weight:..... 1200 g

Accessory:

KL-0140-3201 Wooden Case for Slide Caliper

KL-0140-38



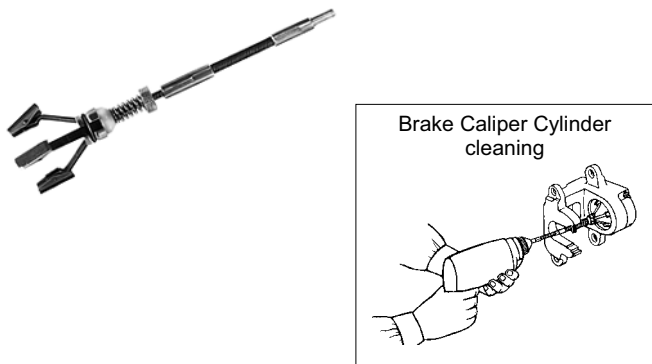
KL-0140-38 Slide Caliper for Brake Plates

To measure the thickness of installed brake-disks. The tool is hardened and contains a locking screw.

Description: stainless steel.

Range:..... 100 mm
Jaw length..... 120 mm
Vernier:..... 1/10 mm
Weight:..... 240 g

KL-0199-13



KL-0199-13 Hone Tool Ø 38-79 (Triple-Arm)

Technical Data:

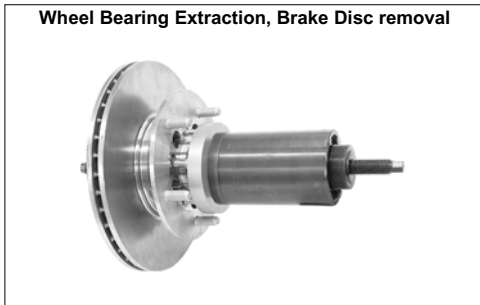
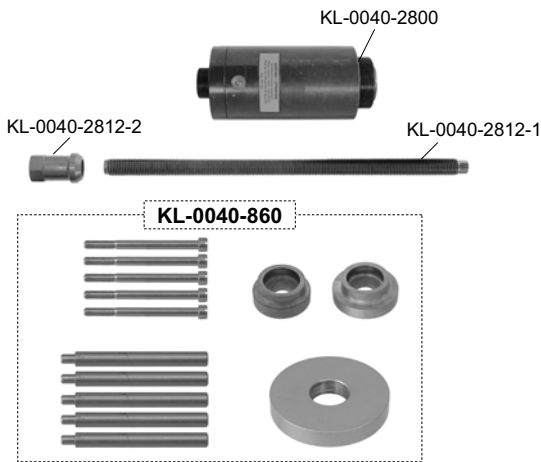
Cylinder-Ø:..... 38 - 79 mm
Segment Length:..... 25 mm
Hone:..... 3 pieces
Weight:..... 85 g

KL-0199-131 Replacement Stones Set (3 Stone)

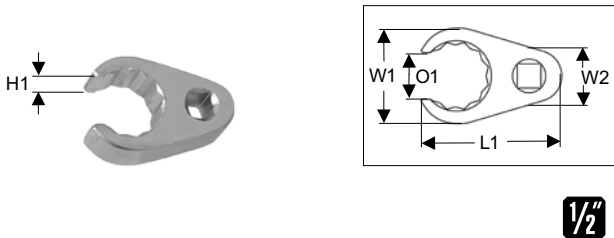
Length:..... 25 mm
Weight:..... 28 g

KL-0040-86

Ford Transit

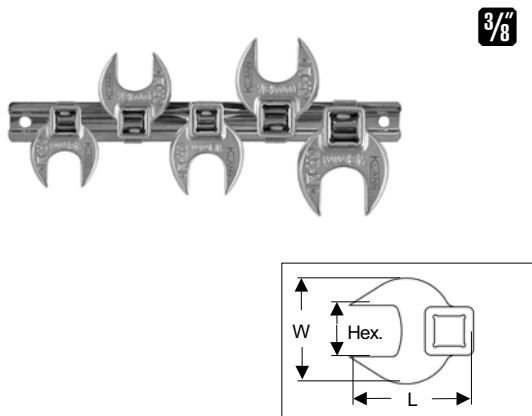


KL-4072-301



Note: Further Spanners see Chapter 10.

KL-4417-900



KL-0040-86 Wheel Bearing Tool Set with Hydraulic Cylinder (28 t.)

Suitable for Ford Transit 2002-onwards.

To renew the brake disc or wheel bearing, the wheel hub must be pulled out of the wheel bearing housing together with the hub and the brake disc.

The wheel bearing can be removed or installed within a few minutes, without removing the suspension strut.

KL-0040-860 Wheel Bearing Tool Set (without Hydraulic Cylinder)

As KL-0040-86.

If the Hydraulic Cylinder (28 t.) KL-0040-2800, the spindle KL-0040-2812-1 and the clamping nut KL-0040-2812-2 are already available.

Contents:

Part No.	Description	Qty.
KL-0040-860	Wheel Bearing Set (without Hydraulic Cylinder)	1
<i>consists of:</i>		
KL-0040-8501	Pressure ring	1
KL-0040-8236-4	Screw M10 x 120	5
KL-0040-8503	Drift	5
KL-0040-8601	Pressure disc Ø 77 mm	1
KL-0040-8602	Pressure disc Ø 68 mm	1

KL-4072-301 Open Ring Spanner Socket Set

Open 12-sided spanners are exceptionally compact and strong, so that even screws and nuts that are difficult to reach or turn can be loosened and tightened.

Drive: 1/2" □

consists of:

Part-No.	Hex (mm)	Length [L1]	Height [H1]	Width 1 [W1]	Width 2 [W2]	Openin g [O1]	Weight [g]
KL-4072-3017	17	60 mm	20 mm	31 mm	31 mm	12 mm	150
KL-4072-3018	18	63 mm	20 mm	34 mm	31 mm	14 mm	150
KL-4072-3019	19	63 mm	20 mm	34 mm	31 mm	14 mm	150
KL-4072-3022	22	65 mm	25 mm	39 mm	31 mm	15,5 mm	325
KL-4072-3024	24	70 mm	25 mm	44 mm	31 mm	18 mm	350

KL-4417-900 Crow Foot Spanner Set

Special Chrome Vanadium Steel

Matt chrome finish.

Drive: 3/8" □

Specially designed to loosen and tighten nuts and bolts in confined spaces.

consists of:

Part No.	Description	Socket size	Width (W)	Length (L)	Weight (g)
KL-4417-16	Crow foot spanner	16	34 mm	40 mm	40 g
KL-4417-17	Crow foot spanner	17	35 mm	42 mm	50 g
KL-4417-18	Crow foot spanner	18	37 mm	45 mm	60 g
KL-4417-19	Crow foot spanner	19	41 mm	48 mm	70 g
KL-4417-21	Crow foot spanner	21	43 mm	51 mm	80 g