**KL-0581-1 Special Socket**

For **BMW** hose clamps, 2 flats, oval 5.2×6.1

Drive: ................................................................. ¼"\(\times\)\(\Box\)

For removal, replacement or tightening the safety clamp on fuel lines, the BMW fuel-lines may be tightened to prevent leakage.

**KL-0121-82 Hose Clip Tool 6 / 7 mm hex**

Quick and easy loosening and tightening worm-drive hose clips with 6 mm and 7 mm hex drives - e.g. on fuel-lines, oil-coolers, radiator-hoses and heater-hoses. Inaccessible hose-clips easily handled due to long, flexible Shaft.

**Technical Data:**

- Length Overall : ......................................................... 325 mm
- Length Shaft : .......................................................... 205 mm
- Drives : ................................................................. 6 / 7 mm hex
- Weight : ................................................................. 160 g

**KL-0121-20 Hose Clamp Set (4 Pcs.)**

To clamp hoses during repairs.

For fuel-, brake- and water-lines consists of:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KL-0121-1</td>
<td>Hose Clamp for up to 10 mm line diameter</td>
</tr>
<tr>
<td>KL-0121-2</td>
<td>Hose Clamp for up to 15 mm line diameter</td>
</tr>
<tr>
<td>KL-0121-3</td>
<td>Hose Clamp for up to 24 mm line diameter</td>
</tr>
<tr>
<td>KL-0121-4</td>
<td>Hose Clamp for up to 45 mm line diameter</td>
</tr>
</tbody>
</table>

**KL-0121-10 Hose Clamp Set (3 Pcs.)**

As **KL-0121-20**, however consists of:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KL-0121-1</td>
<td>Hose Clamp for up to 10 mm line diameter</td>
</tr>
<tr>
<td>KL-0121-2</td>
<td>Hose Clamp for up to 15 mm line diameter</td>
</tr>
<tr>
<td>KL-0121-3</td>
<td>Hose Clamp for up to 24 mm line diameter</td>
</tr>
</tbody>
</table>

**KL-0121-50 Hose Clamp Set (3 Pcs.)**

Made of plastic. For clamping hoses such as: Radiator hoses, Heater hoses, Fuel hoses, etc. with Ø up to 60 mm.

Weight: .......... 300 g
KL-0121-70  Hose Removal Pliers

For Easy Removal of 4 mm to 13 mm Vacuum and Fuel hoses.

Engage the tube (line) with the black jaw. This sharpened jaw actually “DIGS” into the tube to grip it! Squeeze and the hose is easily pushed off by the silver jaw.

Length: ................................................................. 200 mm
Weight: ................................................................. 227 g

KL-0121-26  Hose Clip Pliers with locking ratchet
(German Utility Model)

For removal and replacement of Fuel-lines, Oil-lines, Radiators Hoses and Heater Hoses fitted with space-saving, re-usable, self-clamping spring hose clips. Special design ensures that the compressed clips are safely and securely retained.

For Alfa Romeo, Citroën, Fiat, Ford, Hyundai, Lancia, Mercedes, Opel/Vauxhall, Peugeot, Porsche, Renault, Seat, Skoda, Toyota, Volvo, etc. especially for the new Clips on fuel-lines on VW-Audi.

Following makes of Hose Clips require these Pliers: Norma, ABA (AWAB), MIKALOR and MUBEA etc.

KL-0121-27  Hose Clip Pliers with locking ratchet
(German Utility Model)

As KL-0121-26. but with pivoting tips.

Due to the pivoting tips, the compression forces are always parallel to the ears of the hose-clips offering increased security.

KL-0121-28  Hose Clip Pliers with locking ratchet angled
(German Utility Model)

As KL-0121-26. Version angled at 90° and has offset drive slots at the sides.

KL-0121-29  Hose Clip Pliers
(German Utility Model)

**KL-0121-36 Set of Release Clips**

Application: Chrysler, Ford, GM, Opel/Vauxhall, Saab, VW etc.

The set of release-clips KL-0121-36 consists of six sizes of nylon-clips for unlocking of CLIC-hose-clips on air-conditioning systems and fuel lines. The various sizes of Connectors are released from their end face.

Sizes: 7,9 mm (5/16"), 9,5 mm (3/8"), 12,7 mm (1/2"), 15,9 mm (5/8"), 19 mm (3/4"), 22,2 mm (7/8").

**KL-0121-19 Hose Clip Pliers**

For opening and closing hose clips with a lock in the open position.

**Operating instructions:**

1. To open the hose clip, place it in the locating groove so that it is fully in contact with the surface marked “ON”. Operate the pliers. The hose clip will be held in the open position.
2. To close the hose clip, place it in the locating groove so that it is fully in contact with the surface marked “OFF”. Operate the pliers. The hose clip will be unlocked and can be positioned as required on the hose clip.

Suitable for on hose clips with a built-in lock in the open position e.g. Chrysler etc.

**KL-0121-94 Hose Clip Pliers**

For CLIC-clips

For releasing and re-fitting reusable hose clips, types CLIC and CLIC-R (Caillau/Serflex).

Application: Audi, Citroën, Fiat, Mercedes, Opel/Vauxhall, Peugeot, Renault, VW etc.

Weight: ................................................................. 270 g

**KL-0121-91 / -92 Hose Clip Pliers**

For releasing and re-fitting the re-usable hose clips types CLIC and CLIC-R (Caillau/Serflex).

Suitable for VW-Audi, Citroën, Mercedes, Opel/Vauxhall, Peugeot, Renault, etc.

KL-0121-91 - for left hand jaws.
KL-0121-92 - for right hand jaws.

**Technical Data:**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>KL-0121-91</th>
<th>KL-0121-92</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>170 mm</td>
<td>170 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>160 g</td>
<td>160 g</td>
</tr>
</tbody>
</table>
KL-0121-340  **Set of 3 Fuel-Line Pliers**

Pliers to open connectors on fuel-lines.
For Chrysler, Chevrolet, Citroën, Fiat, Ford, Opel/Vauxhall, Peugeot, Pontiac, Renault, VW etc.

On fuel-lines connected by "snap-fit" connections, the connectors may be released using Pliers KL-0121-32 for Ø 8 mm and KL-0121-33 for Ø 10 mm fuel-lines. (The release segments are to be found on the reverse side of the connector in the axis of the line).

For connectors on Vauxhall/Opel GM, Fiat, etc. where the release segments are activated from the side, Pliers KL-0121-34 (2 tips 6.5 x 6 mm) are required.

Contents:
- KL-0121-32  Pliers for Fuel-lines Ø8
- KL-0121-33  Pliers for Fuel-lines Ø10
- KL-0121-34  Pliers for Fuel-lines GM-Opel/Vauxhall

KL-0121-35  **Clamp**

Applications: Opel/Vauxhall, GM, Fiat, etc.

Clamp KL-0121-35 for unlocking quick release connections, which can be reached from the side.

Advantages:
- No damage to quick release connections or clamps.
- No damage to fuel lines or hoses.
- Easy and quick separation of fuel lines.

Technical Data:

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Line-Ø</td>
<td>8 mm</td>
<td>10 mm</td>
<td>GM-Opel</td>
<td>universal</td>
</tr>
<tr>
<td>Length</td>
<td>110 mm</td>
<td>110 mm</td>
<td>115 mm</td>
<td>124 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>75 g</td>
<td>75 g</td>
<td>70 g</td>
<td>45 g</td>
</tr>
</tbody>
</table>

KL-0121-37  **Fuel Feed Pipe Pliers**

Application: Opel/Vauxhall, Fiat, GM, VW etc.

For undoing quick release connections on fuel feed pipe lines.

Weight: ..................... 190 g

KL-0192-22  **Safety Clip Pliers bended**

Suitable for all Audi A3, VW Golf IV with Petrol engines

To release the fuel line unions. Needed for example when the fuel filter is changed.

Suitable for Mercedes W124, W140 and W202.

For installing retaining clips to secure the chrome strip on the bumper of the Mercedes W124, W140 and W202.

Therefore, the pliers is equipped with special clip retaining notches.

Length:................... 210 mm  
Weight: ..................... 200 g

KL-0121-38  **Fuel Line Pliers**

Suitable for VW-Audi, Fiat, GM, Opel, Mercedes etc.

e.g. Mercedes M-Class with Petrol engines.

For removal and replacement of the connections on the in-line Fuel Filter. Required when replacing the Fuel Filter or during engine repairs.

Removal of Connector:
Pull the connector backwards with the Pliers.

Replacing the Connector:
Slide the connector forwards with the Pliers.
**KL-0482-42 Diesel suction pump**

Suitable for Opel/Vauxhall 2.0 and 2.2 Ecotec Diesel engines (X20DTL, X20DTH, X22DTH) with VP 44 injection pump.

This pump is needed to bleed the fuel system, for example if it has been opened for fuel filter renewal or engine repair work.

**KL-0121-75 Vacuum Hose Cap Set**

Identifies Vacuum Hoses and Fittings for Proper Installation.

Use when disconnecting vacuum lines and other hoses from fittings. Colour coded, 48-piece set fits all vacuum application from 1/8" (3.2 mm) to ½" (12.7 mm).

Weight:.......... 200 g

**KL-4021-3113 Socket Insert 13 mm hex**

Suitable for: VW-Audi, Seat, Škoda 4 Cylinder TDI PD engines

The special socket KL-4021-3113 allows quick and trouble-free loosening and tightening of the central retaining bolt of the Fuel Cooling Unit - example when replacing the Fuel Filter.

This special socket may also be used to remove and replace the brass insert on Injector Valves on Audi petrol engines 1990 - onwards.

Drive:....... 1/2" F Length: .....100 mm Hex:.......... 13 mm

**KL-0120-80 Fuel Tank Sender Spanner Set adjustable**

Universal application.

For removing and replacing the Plastic Retaining Ring on the Sender Unit on Fuel Tanks.

**Consists of:**

- **KL-0120-801** Tank Sender Spanner Ø80 mm - Ø120 mm
  
  Range:.......... 80 - 120 mm Drive:......Hex 24

- **KL-0120-802** Tank Sender Spanner Ø110 mm - Ø170 mm
  
  Range:.......... 110 - 170 mm Drive:......Hex 24

**KL-0122-56 Fuel Filter Key 27 mm**

Suitable for Peugeot e.g. 307 SW 2,0 HDI etc.

The fuel filter key is required to remove and install the fuel filter cap when replacing the fuel filter cartridge.

Drive:..1/2" F Length:..85 mm Socket size:..27 mm

**KL-0122-701 Fuel Filter Key Ø 108 mm (German Utility Model)**

Suitable for Peugeot, Citroen, Renault e.g. with HDI diesel engines.

The fuel filter key is required to remove and install the fuel filter cap when replacing the fuel filter cartridge.

Drive:....... 3/8" Profile: .......Ø 108 mm, 46 Rillen

**KL-0122-608 Fuel Filter Key Ø 109 mm**

Suitable for Peugeot, Citroen, Renault etc.

The fuel filter key is required to remove and install the fuel filter cap when replacing the fuel filter cartridge.

Drive:....... 3/8" Profile: .......Ø 109 mm, 8 Rillen
KL-0124-4 Pressure- and Vacuum-Pump

With plastic storage case for checking of pressure and vacuum lines.

Recommended from following manufacturers:
VW-Audi, Porsche, Chrysler, Daihatsu, Nissan, Toyota, Peugeot, Citroën, Renault, etc.

Also applicable for:
BMW, Mercedes, GM Opel/Vauxhall, Rover, Saab, Volvo, etc.

Following units can be tested with the pressure/vacuum pump:
- Fuel-system,
- Distributor vacuum adjustment curve,
- Distributor vacuum membrane,
- Vacuum sensor,
- Exhaust gas recirculation valve,
- Cleavage measure at carburetor throttle valve,
- Float needle on carburetor,
- Fuel pressure regulator,
- Vacuum modulator on automatic transmission,
- Brake booster,
- Turbo charger valves,
- Fuel pump membrane,
- Removal of small fluid quantities, e.g. hydraulic oil, fuel, etc.

Technical Data:
- KL-0124-4000 ... Two-way metalastic pump
- Vacuum range ... von 0 - 1,0 bar
- Pressure range ... von 0 - 1,5 bar
- Scale ... Pressure gauge
- Weight ... 1,4 kg
- Package ... in Plastic Storage Case

KL-0124-4 consists of:

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>KL-0124-4000</td>
<td>Press/Vacuum pump</td>
</tr>
<tr>
<td>2</td>
<td>KL-0124-3001</td>
<td>Connecting Hose</td>
</tr>
<tr>
<td>3</td>
<td>KL-0124-4001</td>
<td>Adaptors for brake system</td>
</tr>
<tr>
<td>4</td>
<td>KL-0124-4002</td>
<td>Adaptors for engine</td>
</tr>
<tr>
<td>5</td>
<td>KL-0124-4003</td>
<td>Adaptor for economizer valve on Ford</td>
</tr>
<tr>
<td>6</td>
<td>KL-0124-4004</td>
<td>Container</td>
</tr>
<tr>
<td>7</td>
<td>KL-0124-4005</td>
<td>Cover for Container</td>
</tr>
</tbody>
</table>

Accessory:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KL-0124-3010</td>
<td>Press/Vacuum Repair Kit</td>
</tr>
<tr>
<td>KL-0124-3002</td>
<td>Thermometer</td>
</tr>
<tr>
<td>KL-0124-3003</td>
<td>Adaptor</td>
</tr>
</tbody>
</table>