

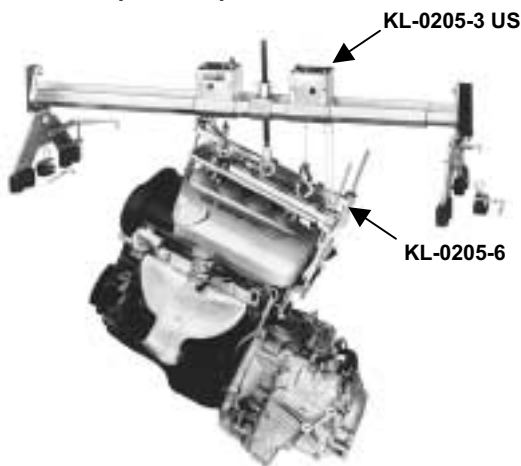
KL-0205-3 US



KL-0205-3 US



Engine with 3 suspension-points



### KL-0205-3 US Universal Engine Bridge (Patented)

This engine bridge allows quick, safe and easy dismantling and re-assembly of Gearboxes/Differentials, Clutches, Engine Mountings, Sub-frame Mountings and metalastic bushes especially on vehicles with aerodynamically shaped front body panels.

**Application:** VW-Audi, BMW, Opel/Vauxhall, Ford, Mercedes, Peugeot, Renault, Saab, Volvo, Japanese cars.

#### Advantages:

- Easy rising or lowering of the engine due to chain/worm-drive gearing with self-locking fixture for removal of gearbox or clutch. (Spindle drives so far did not provide the necessary lift).
- Flexible chain suspension allows any positioning of the engine when removing or installing the engine, gearbox, clutch, etc. (Spindle drives so far were too rigid, which caused bent spindles if the engine had to be pressed into alignment.)
- Easy sliding of the support even when under full load. Important when removing the gearbox on e.g. VW-Passat.
- Contact feet of the Engine Support are fully adjustable to ensure correct alignment with the bodywork.
- Operating widths adjustable due to spindle drive inside the telescopic construction, providing extra security.

#### Technical Data / Label Plate:

CE Conformity Plate	<b>CE</b>
Max. safe load	500 kg
Operating Width	1150-1450 mm
Chain working travel	760 mm
Chain drive	hex 12 mm
Weight (net/gross)	27,4/30,2 kg
Max. Angle of body-work	22°

KL-0205-31



Renault Master,  
Opel /Vauxhall  
Movano

### KL-0205-31 Accessory Set of Retainers

**Applicable for Renault Master Truck, Opel/Vauxhall Movano**

in connection with the engine bridge **KL-0205-3 US**.

To remove and install the gearbox, clutch, engine stock, etc. of Renault Master trucks it is necessary to attach the engine to the engine bridge **KL-0205-3 US** in connection with the retainers **KL-0205-31**.

It is **not** necessary to remove the bonnet.

KL-0205-63



Opel/Vauxhall  
Zafira

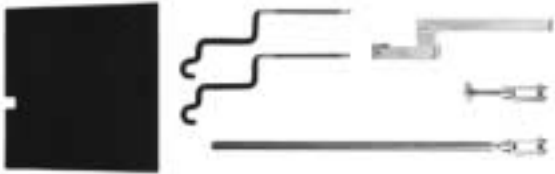
### KL-0205-63 Hook Set (2 Pcs.)

**Accessory For KL-0205-3 US.**

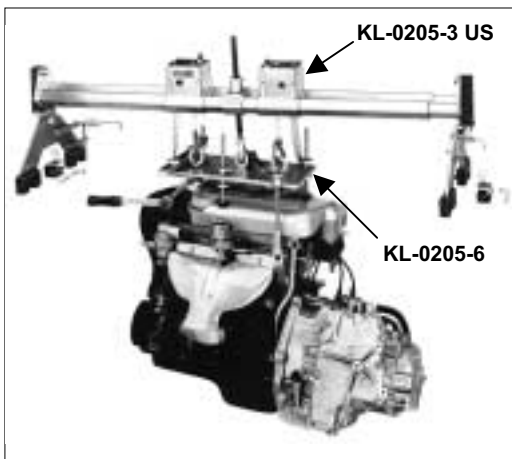
For securing the Engine Bridge on **Opel/Vauxhall Zafira**.

KL-0205-62

Opel/Vauxhall  
Sintra



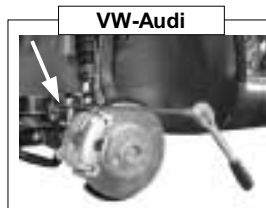
KL-0205-6



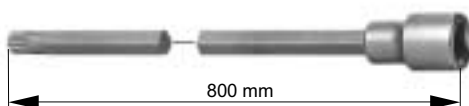
KL-0232-1 /-2 /-3 /-4



Polygon Socket  
Extra long



VW-Audi



### KL-0205-62 Accessory-Set for Opel Sintra

**Application:** Opel/Vauxhall Sintra

For removal and replacement of the transmission or clutch which requires precise raising and lowering of the engine assembly, the accessory **KL-0205-62** in conjunction with the **KL-0205-3 US** and the **KL-0205-6** is absolutely essential.

### KL-0205-6 Universal Lifting Plate (Patented)

Engines equipped with either 2 extremely widely separated diagonal lifting points or 3 lifting points can be attached via the **KL-0205-6** to the **KL-0205-3 US** Motor Bridge.

On such engines, the **KL-0205-6** Lifting Bridge in combination with the **KL-0205-3 US** Motor Bridge allows the following operations to be easily and safely performed: removal and replacement of Gearbox/ Differential, Clutch, Engine Mountings, Sub-frame Mountings.

Dimensions: 400 × 200 × 12 mm

Weight: 13,4 kg

#### Advantages:

- Secure support of the engine no matter what location of the lifting points.
- Firm, locked connections between engine and Lifting Bridge by 3 lifting spindles and 2 distance spindles.
- The multi-hole plate equipped with 3 adjustable support arms offers the user the ability to achieve a correct connection with a wide variety of engines fitted with various lifting points.
- Additional safety is provided by the safety spindle between Lifting Bridge and Motor Bridge.
- The 2 adjustable distance spindles under the multi-hole plate allows control of the centre of gravity of the suspended engine, which in turn ensures exact positioning of the engine either during lifting or lowering.

#### Note:

Without the **KL-0205-6** Lifting Bridge, precise positioning of the engine during lifting and lowering will not be possible!

Detailed special brochure available upon request.

### KL-0232-1 Polygon Socket xZN M8

For loosening the screws at the drive shaft quick and easy from outside

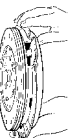
→ Increased job time saving.

Not permitted for the use of impact guns.

**Suitable for VW-Audi Drive Shaft, etc.**

Length:.....800 mm

Drive: .....½"ø



### KL-0232-2 Polygon Socket xZN M10

Application as KL-0232-1.

Length:.....800 mm

Drive: .....½"ø

### KL-0232-3 Polygon Socket xZN M12

Application as KL-0232-1.

**Especially for VW T4, Touareg Drive-Shaft etc.**

Length:.....800 mm

Drive: .....½"ø

### KL-0232-4 Polygon Socket xZN M14

Application as KL-0232-1.

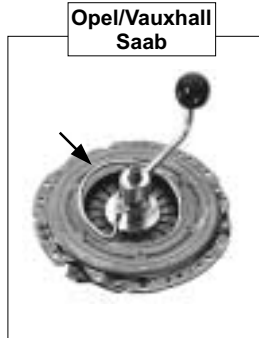
**Especially for VW T4, Touareg Drive-Shaft etc.**

Length:.....800 mm

Drive: .....½"ø



KL-0416-4



### KL-0416-4 Clutch Support Ring (Plastic)

For range: Ø 110 - 140 mm

Assembly aid to keep the diaphragm spring compressed - used in conjunction with **KL-0043-53**.

**Application:** Opel/Vauxhall and Saab passenger cars.

KL-0043-31



### KL-0043-31 Bearing Extractor Set (Universal)

With Plastic case. For pilot bearings, generator bearings, etc. With range from **10 - 20 mm diameter**.

**Application:** For passenger cars

consists of:

Part No.	Description	Part No.	Description
KL-0043-3101	Spreader 5 mm	KL-0043-3108	Jaws 12 mm
KL-0043-3102	Spreader 6 mm	KL-0043-3109	Jaws 15 mm
KL-0043-3103	Slide Weight	KL-0043-3110	Jaws 17 mm
KL-0043-3107	Jaws 10 mm	KL-0043-3111	Jaws 20 mm
		KL-0043-3115	Plastic Case (empty)

KL-0043-32



### KL-0043-32 Bearing Extractor Set (Universal)

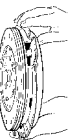
(With Plastic case). For pilot bearings, generator bearings, etc. With range from **10 - 30 mm diameter**.

**Application:** For passenger cars and trucks (lorries)

The collets are manufactured from a special high grade steel to ensure proper functioning of the tool.

consists of:

Part No.	Description	Part No.	Description
KL-0043-3101	Spreader 5 mm	KL-0043-3110	Jaws 17 mm
KL-0043-3102	Spreader 6 mm	KL-0043-3111	Jaws 20 mm
KL-0043-3103	Slide Weight	KL-0043-3112	Jaws 25 mm
KL-0043-3107	Jaws 10 mm	KL-0043-3113	Jaws 27 mm
KL-0043-3108	Jaws 12 mm	KL-0043-3114	Jaws 30 mm
KL-0043-3109	Jaws 15 mm	KL-0043-3115	Plastic Case (empty)



KL-0175-60



### KL-0175-60 Pilot Bearing Extractor Set

For removal of Pilot Bearings, Bushes etc. from blind housings.

consists of:

Part-No.	Description	for Ø [mm]	Thread
KL-0175-300	Support	-	-
KL-0175-601	Jaws	8-12	M10
KL-0175-602	Jaws	12-15	M10
KL-0175-603	Jaws	15-19	M10
KL-0175-604	Jaws	19-25	M10
KL-0175-605	Jaws	25-30	M10
KL-0175-606	Jaws	30-35	M10
KL-0175-6090	Metal Case	-	-

KL-0500-40



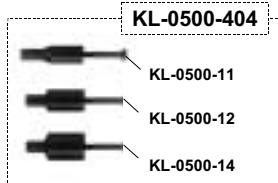
KL-0500-401



KL-0500-402



Self-Adjusting-Clutch



KL-0500-404

KL-0500-11

KL-0500-12

KL-0500-14

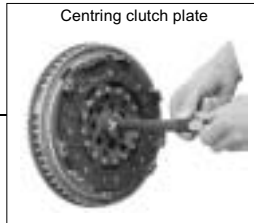


KL-0500-403

KL-0500-401



Centring clutch plate



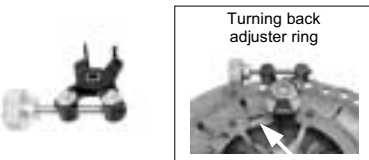
KL-0500-402



Putting on pressure plate

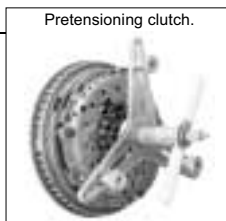


KL-0500-403



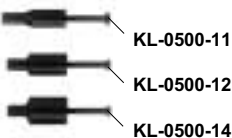
Turning back adjuster ring

Pretensioning clutch.



KL-0500-404

BMW



KL-0500-11

KL-0500-12

KL-0500-14

### KL-0500-40 SAC Clutch Tool Set

(German Utility Model)

Applicable for the most SAC-Clutch e.g. VW-Audi, BMW, Mercedes, Volvo, Opel/Vauxhall, Renault etc.

Clutch tool set **KL-0500-40** can be used to remove and install SAC (Self-Adjusting-Clutch) clutches quickly and expertly.

#### Advantage:

- ⇒ Pretensioning the clutch pressure plate when removing and installing (important as a means of avoiding distortion).
- ⇒ Centring the clutch plate in relation to the guide bearing or pressure plate.
- ⇒ Moving back the adjuster ring (in conjunction with resetting tool **KL-0500-403**).

**Note:** Without this tool set, an expert clutch repair becomes almost impossible.

#### Specification:

Part-No.	Description	Qty.
<b>KL-0500-40</b>	<b>Clutch Tool Set</b>	<b>1</b>
<i>Consists of:</i>		
KL-0500-401	Clutch Compressor	1
KL-0500-402	Clutch Aligner	1
KL-0500-403	Resetting Tool	1
KL-0500-404	Clutch Mandrel Set	1

### KL-0500-401 Clutch Compressor

On these new self-adjusting clutches it is essential for the pressure plate to be pretensioned with clutch compressor **KL-0500-401** before removal or installation.

Avoiding clutch distortion (clutch judder when driving off).

### KL-0500-402 Clutch Aligner

Clutch Aligner **KL-0500-402** locates the clutch plate centrally in relation to the guide bearing or pre-tensioning device before it is installed.

Clamping cone : ..... Size. 1 15-22mm; Size. 2 22-28mm  
Mandrel-Ø: ..... 12mm; 14mm; 15mm; 16mm; 17mm; 18mm; 19mm

### KL-0500-403 Resetting Tool

Before installing a new clutch plate together with the pressure plate that has already been in use, the adjuster ring in the clutch pressure plate must be turned back to the 'new' position with resetting tool **KL-0500-403** together with clutch compressor **KL-0500-401**.

### KL-0500-404 Clutch Mandrel Set

To centre the clutch plate before initial or renewed installation of the pretensioned SAC-Clutch pressure plate:

#### Specification:

Part-No.	Description	Qty.
<b>KL-0500-404</b>	<b>Clutch Mandrel Set (BMW)</b>	<b>1</b>
<i>consists of:</i>		
KL-0500-11	Clutch Mandrel Ø15/23 mm	1
KL-0500-12	Clutch Mandrel Ø15/28 mm	1
KL-0500-14	Clutch Mandrel Ø15/34 mm	1

KL-0500-3



## KL-0500-3 SAC Clutch Tool Set

(German Utility Model)

Application: BMW, Mercedes and Volvo

Guarantees a quick, clean and safe mounting of Self-Adjusting-Clutches.

**BMW:** E38 (7-series), E39 (5-series), E46 (3-series)

**Mercedes:** A-Class

**Volvo:** C70 2,4 20V Turbo, S70 2,3 Turbo, S70 2,5 20V Turbo, S70 2,5 TDI, V70 2,3 Turbo, V70 2,5 20V Turbo, V70 2,5 TDI

Weight:.....2,5 kg

Part-No.	Description	Qty.
KL-0500-3	Clutch Tool Set	1
<i>consists of :</i>		
KL-0500-10	Clutch Compressor	1
KL-0500-11	Clutch Aligner Drift Ø 23 mm	1
KL-0500-12	Clutch Aligner Drift Ø 28 mm	1
KL-0500-13	Clutch Aligner	1
KL-0500-19	Clutch Return Tool	1

KL-0500-1



BMW, Volvo



Clutch Pressure Plate with Clamp

## KL-0500-1 Clutch Aligner Set

Application: SAC-Clutches (Self-Adjusting-Clutch) on BMW, Mercedes and Volvo.

On these new self-adjusting clutches it is essential for the pressure plate to be pretensioned with Clutch Compressor KL-0500-10 before removal or installation.

Part No.	Description
KL-0500-1	Clutch Aligner Set
<i>consists of.</i>	
KL-0500-10	Clutch Compressor
KL-0500-11	Clutch Mandrel Ø 23 mm (BMW)
KL-0500-12	Clutch Mandrel Ø 28 mm (BMW)

KL-0500-10



## KL-0500-10 Clutch Compressor

It is possible to compress the SAC-Clutch before assembly which avoids the risk of damage. It is essential that the clutch is set to the „new“ position by use of the KL-0500-19 Clutch Return Tool. (Very important before assembly)

Weight:.....1,4 kg

KL-0500-11 / KL-0500-12



BMW, Volvo



## KL-0500-11 Clutch Aligner Mandrel ø 23 mm

For BMW: To centre the clutch plate before mounting the compressed SAC-Clutch. Also for centering new clutches.

For hub -Ø:.....23 mm

Weight:.....0,21 kg

## KL-0500-12 Clutch Aligner Mandrel ø 28 mm

As KL-0500-11, but:

For hub-Ø:.....28 mm

Weight:.....0,28 kg

KL-0500-13



## KL-0500-13 Clutch Aligner

Before assembly, the clutch plate can be centered to the compressed SAC-Clutch by the clutch aligner KL-0500-13. Eliminates the need to center over the pilot bearing.

Weight:.....0,27 kg

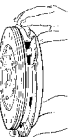
KL-0500-19



## KL-0500-19 Clutch Return Tool

Before compressing the SAC-Clutch with tool KL-0500-10 the Return Tool KL-0500-19 is placed on the clutch. During the compressing process there is an automatic return of the cover plate to the „new“ position.

Weight:.....0,42 kg



KL-0069



Universal



### KL-0069 Clutch Aligner (Universal)

For Clutch-Hub-Ø: 15 - 28 mm.

The mandrel expands in a conical form so that an angle can exist between the axis of the tool body and the crankshaft axis. As a result, the clutch friction plate can ONLY be aligned against the cover-plate.

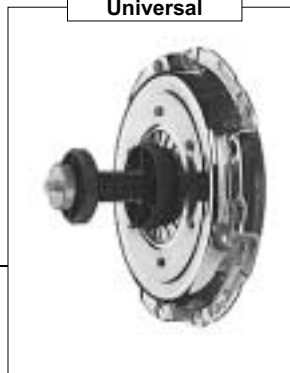
### KL-0069-K Clutch Aligner (Universal)

As KL-0069 but supplied in Plastic Storage Case KL-0069-5030.

KL-0069-5



Universal



### KL-0069-5 Clutch Aligner

(Universal) For Clutch-Hub-Ø: 15 - 28 mm.

As a result of newly-developed **parallel expansion technique** it is now possible to align the clutch plate to the pilot bearing in the crankshaft flywheel.

Clutch assemblies no longer equipped with a pilot bearing in the crankshaft can be aligned with the cover plate using the new parallel expansion technique.

#### Advantage:

The expanding segments expand in the same axis of both the tool body and the crankshaft, so that alignment of the clutch plate is possible relative to either flywheel or cover plate.

KL-0069-55



### KL-0069-55 Clutch Aligner

(Universal); For Clutch-Hub-Ø: 15 - 28 mm.

As KL-0069-5 but without Pilots and without plastic storage case.

#### Accessories:

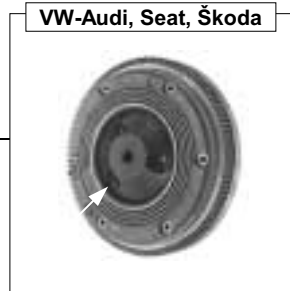
KL-0069-5010 Pilot Set

KL-0069-5030 Plastic Storage Case (empty)

KL-0201



VW-Audi, Seat, Škoda



KL-0202



### KL-0201 Clutch Aligner

Allows the clutch disc to be aligned to the flywheel.

Application: VW Golf 1,5 - 1,8 litre.

### KL-0202 Clutch Aligner

As KL-0201 but for VW engines with 16 valves.

KL-0069-7



Accessory:



KL-0069-7006

KL-0069-7 R



Accessory:

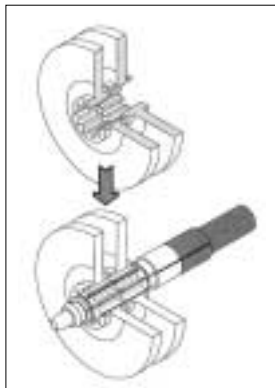


KL-0069-7006

KL-0069-60 K



Universal  
Car, Truck



KL-0043-53



Opel/Vauxhall  
Saab



### KL-0069-7 Clutch Aligner

Applicable for trucks and small lorries with a hub-Ø of 24 - 36 mm.

Part No.	Description
KL-0069-7	Clutch Aligner Tool for Transporter
<i>consists of:</i>	
KL-0069-700	Sleeves (Ø 15, 16, 17, 18, 19 mm)
KL-0069-710	Clutch Aligner Ø 24-36 mm

Accessory: KL-0069-7006 Aligner piece Ø20 mm

### KL-0069-7 R Clutch Aligner

Suitable for Transporter and small lorries with hub-Ø of 23 - 35 mm, especially Renault.

Part No.	Description
KL-0069-7 R	Clutch Aligner Tool (Renault)
<i>consists of:</i>	
KL-0069-700	Sleeves (Ø 15, 16, 17, 18, 19 mm)
KL-0069-710 R	Clutch Aligner Ø 23-35 mm

Accessory: KL-0069-7006 Aligner piece Ø20 mm

### KL-0069-60 K Clutch Aligner Set

For vehicles with single and double disc clutches

Part No.	Description
KL-0069-60K	Clutch Aligner Set
<i>consists of:</i>	
KL-0069-55	Clutch Aligner for Vehicles
KL-0069-5010	Aligner Case Set (Ø 12, 14, 15, 16, 17, 18, 19 mm)
KL-0069-6	Clutch Aligner for Trucks
KL-0069-6090	Plastic Storage Case (empty)

- KL-0069-55 + KL-0069-5010 (KL-0069-5)

Universal Clutch Aligner Set with Aligner Cases.

For hub-Ø: 15 - 28 mm

Because of the parallel expanding technology it is possible to centre the clutch plate to the clutch pressure plate or to the flywheel.

- KL-0069-6 Clutch Aligner Tool for Trucks

For trucks with single or double disc clutches (universal)

This tool set allows the correct alignment of **single or double disc** clutches of trucks and tractors to the engine. Mandrel No. 1 is applicable on interior clutch hub-Ø from 36 - 45 mm. Mandrel No. 2 is applicable on interior clutch hub-Ø 42 - 52 mm inside. The clutch aligner kit contains centering sleeves with Ø 20, 25, 27 and 30 mm.



### KL-0043-53 Clutch Compressor

For Clutch Pressure Plate on Opel/Vauxhall and Saab passenger cars.

The tool consists of a steel plate with a number of concentric steps which allow the pressure plate to be accurately centered. A compression spindle complete with axial bearing and pressure adaptor is mounted through the centre of the steel plate to apply compression forces without risk of distortion of the spring-fingers.

**Advantage:** No distortion of the Pressure Plate.

Clutch Pressure Plates should never be compressed in a normal bench-vise or under a Hydraulic Press.

KL-0401-1



Opel/Vauxhall

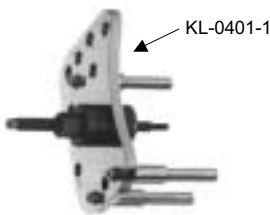


### KL-0401-1 Clutch Tool

For all front wheel drive GM Opel/Vauxhall cars.

This newly-developed tool allows the first motion shaft to be withdrawn, and the spigot bearing and crankshaft oil-seal to be replaced. The tool functions whether the first motion shaft is central or offset in the threaded access hole, or even if there is no hole provided in the gearbox housing - as on the latest models.

KL-0401-3



Opel/Vauxhall



### KL-0401-2 Tool Set

consists of:

Part No.	Description	Part No.	Description
KL-0401-2001	Ratched Lever	KL-0401-2004	Hex Insert 17
KL-0401-2002	Operating Lever	KL-0401-2005	Multi tooth Nut
KL-0401-2003	Hex Insert 11	KL-0401-2010	Clamps (Set of 3)

### KL-0401-3 Clutch Tool Set for Opel/Vauxhall

consists of:

Part No.	Description
KL-0401-1	Clutch Tool Opel/Vauxhall
KL-0401-2	Tool Set

Application and Description see KL-0401-1.

KL-0410-1



Opel/Vauxhall



### KL-0401-2010 Clamps (Set of 3)

To fix the pressed Clutch Pressure Plate on Opel/Vauxhall.

### KL-0410-1 Clutch Tool Set for Opel/Vauxhall

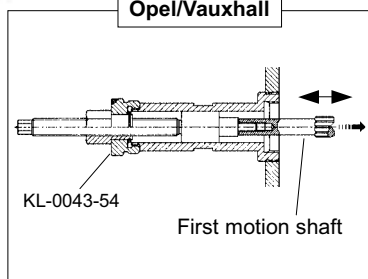
consists of:

Part No.	Description
KL-0401-1	Clutch Tool Opel/Vauxhall
KL-0402	Pressure Adaptor for replacing the Spigot Bearing
KL-0403	Pressure & Guide Disc No.1
KL-0404	Pressure & Guide Disc No.2
KL-0405	Pressure & Guide Disc No.3
KL-0406	Crankshaft Oil-Seal Extractor
KL-0407-1	Clutch Guide Bearing Puller
KL-0408	Special Drift
KL-0409	Special Drift

KL-0043-55



Opel/Vauxhall



### KL-0043-55 Clutch Exchange Tool

consists of: KL-0043-54, KL-0401-2 and a plastic case.

For GM Opel/Vauxhall (4 and 5 speed).

As a result of a newly developed technique, the removal of the tool between withdrawal and replacement of the first motion shafts is no longer necessary.

KL-0043-54



Opel/Vauxhall



### KL-0043-54 Clutch Exchange Tool

For **GM Opel/Vauxhall** (4 and 5 speed).

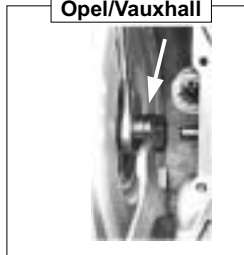
Allows Clutch replacement without dismantling engine or gearbox by withdrawal of the first motion shaft.

**Accessory:** KL-0401-2010 Set of 3 retaining clips

KL-0407-1



Opel/Vauxhall



For bearings with dimensions  $\text{Ø}21/18 \times 12$  mm.

For all **GM Opel/Vauxhall** front wheel drive cars.

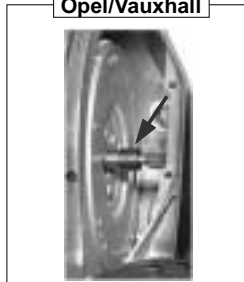
#### Advantage:

A built-in axial bearing in conjunction with new expansion technique allows extraction of the spigot bearing without the need to dismantle either engine or gearbox.

KL-0402



Opel/Vauxhall



### KL-0402 Pressure Adaptor

For replacing the spigot bearing.

Application: All **front wheel drive GM Opel/Vauxhall** cars.

In conjunction with **KL-0401-1**, the spigot bearing will be pressed in using the pressure adaptor **KL-0402** activated by the first motion shaft.

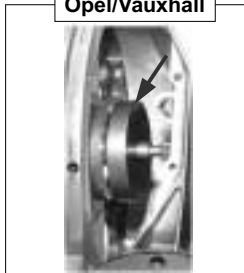
Dimensions: hole and bearing receiver  $\text{Ø} 12$  mm

This method prevents any damage to the bearing.

KL-0400 / KL-0403



Opel/Vauxhall



### Pressure & Guide Discs No. 0, 1, 2 and 3

Used in conjunction with KL-0401, the KL-0400, KL-0403, KL-0404 or KL-0405 is activated by the first motion shaft to press the oil-seal into the bearing housing accurately and cleanly, with no risk of damage to the new seal.

#### KL-0400 Pressure & Guide Disc No. 0

For replacing the crankshaft oil-seal with dimensions  $\text{Ø} 54/82 \times 11.5$  mm on **Opel/Vauxhall Corsa 1.0 S and 1.2 N**.

#### KL-0403 Pressure & Guide Disc No. 1

For replacing the crankshaft oil-seal with dimensions  $\text{Ø} 80/98 \times 10$  mm on front wheel drive **Opel/Vauxhall** cars.

#### KL-0404 Pressure & Guide Disc No. 2

For replacing the crankshaft oil-seal with dimensions  $\text{Ø} 86/104 \times 9$  mm on front wheel drive **Opel/Vauxhall** cars.

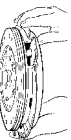
#### KL-0405 Pressure & Guide Disc No. 3

For replacing the crankshaft oil-seal with dimensions  $\text{Ø} 90/104 \times 11$  mm on front wheel drive **Opel/Vauxhall** cars.

KL-0404 / KL-0405



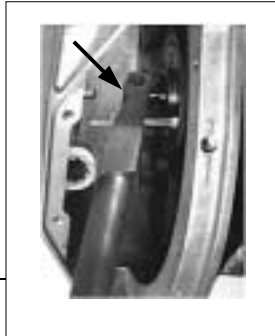
Opel/Vauxhall



KL-0406



Opel/Vauxhall



### KL-0406 Crankshaft Oil-Seal Extractor

For **Opel/Vauxhall** front wheel drive cars (e.g. **Opel/Vauxhall** Corsa, Ascona C, Kadett D and E, Vectra A; Vauxhall Cavalier, Astra, Nova, etc.)

Length: .....570 mm

#### Accessory:

The **KL-0406** oil seal extractor may be converted into the Pressure Tool **KL-0406-1** by the use of the conversion kit **KL-0406-10**.

KL-0406-1



Opel/Vauxhall



### KL-0406-1 Press Tool

For **GM Opel/Vauxhall Omega** clutch pressure plate.

After assembly of the pre-compressed cover-plate the **KL-0406-1** Press Tool allows quick and easy removal of the retaining clips.

#### Note:

Manufacturer's instructions call for the Omega clutch assembly to be installed in a pre-compressed condition. Failure to observe this instruction can lead to distortion of the cover plate.

KL-0406-10



### KL-0406-10 Conversion Kit

The **KL-0406** oil seal extractor may be converted into the Pressure Tool **KL-0406-1** by the use of the conversion kit **KL-0406-10**.

KL-0406-1010



Opel/Vauxhall

### KL-0406-1010 Clutch Centering Tool

For **Opel/Vauxhall Omega** in conjunction with Press Tool **KL-0406-1** for bearings with inner hole  $\varnothing 15$  mm.

### Special Drifts

For precise removal and replacement of the drive-shaft oil seal located in the output bearing housing.

#### KL-0408 Special Drift

For front wheel drive **GM Opel/Vauxhall** cars up to 1.3 ltr.  
Dimensions of oil seal:  $\varnothing 30/20$  mm

#### KL-0409 Special Drift

For front wheel drive **GM Opel/Vauxhall** cars above 1.3 ltr.  
Dimensions of oil seal:  $\varnothing 33/22$  mm

KL-0408 / KL-0409



Opel/Vauxhall



KL-0411 / KL-0412 / KL-0413 / KL-0501 / KL-1901 /  
KL-2201 / KL-2501 / KL-2502



## Pairs of Blanking Guides for Differential

### ! Important Notice!

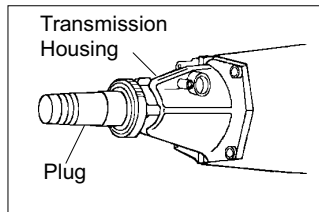
Removal of the drive-shaft on various types of cars e.g. Ford, Mazda, Peugeot, Citroën, etc.- can allow the planet-gear in the differential to ship and become displaced unless a blanking guide is inserted.

RESULT: A complete gearbox rebuild!

### Pairs of Blanking Guides:

Part No.	Description
KL-0411	Differential Opel/Vauxhall Front Wheel Drive 1,3 l.
KL-0412	Differential Opel/Vauxhall Front Wheel Drive 1,3 l.
KL-0413	Differential Opel/Vauxhall Front Wheel Drive 1,3 l. 4-speed
KL-0501	Differential Opel/Vauxhall Front Wheel Drive
KL-1901	Differential Toyota Starlet / Corolla
KL-2201	Differential Honda Civic
KL-2501	Differential Mazda 121
KL-2502	Differential Mazda 323 / 626

KL-0179-70



## KL-0179-70 Transmission / Transaxle Plugs

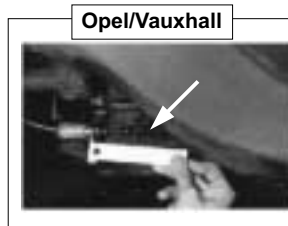
### Stops Loss of Transmission Fluid.

Five stepped plug fit both transmissions and transaxle on most domestic cars and pickups.

For Ø: ..... 25,4 - 55,37 mm

Weight:..... 312 g

KL-0420



## KL-0420 Adjusting Gauge

For the basic adjusting of the clutch cable control at **Opel/Vauxhall** cars with 4- and 5-cylinder CIH engines. (e.g. Opel Rekord E, Ascona A/B, Manta A/B, Omega, Senator, Monza, etc.).

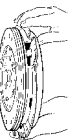
KL-0203-1



## KL-0203-1 Clutch Cable Clamp

Applicable on **VW Golf II, III**, etc.

For securing the self-adjusting clutch cable when exchanging the clutch. If omitted, the clutch cable has to be completely renewed.



KL-0110



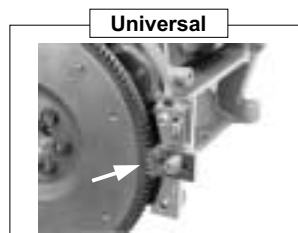
## KL-0110 Flywheel Locking Tool (Universal)

Necessary for dismantling or re-assembling flywheels, clutch pressure plates and belt pulley.

Length: .. 250 mm

Weight:..... 0,5 kg

KL-0182-10

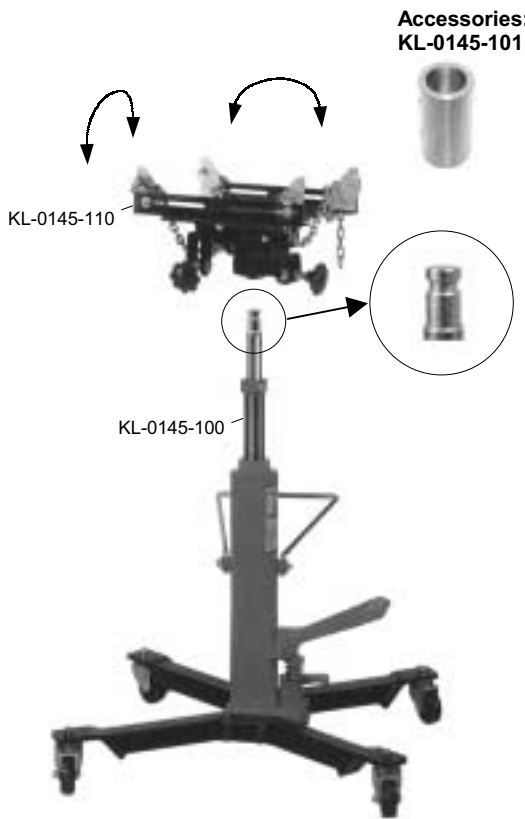


## KL-0182-10 Flywheel Locking Tool adjustable (German Utility Model)

To lock the flywheel when the gearbox is dismantled.

**Universal** application. The tool can be adjusted axially and radially and can be used almost universally by screwing in different stud bolts.

### KL-0145-10



Accessories:  
KL-0145-101

Weight:	69.5 kg
Load max.	500 kg

### KL-0145-20



Weight:	82 kg
Load max.	1000 kg

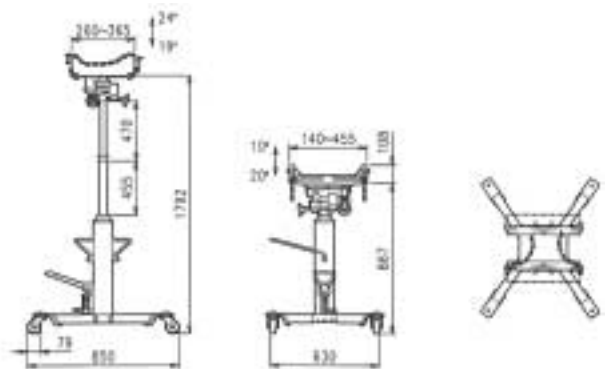
### KL-0145-10 Transmission Jack

Consists of Hydraulic Transmissions Jack **KL-0145-100** and Adjustable Universal Table **KL-0145-110**.

Hydraulic Telescopic Transmission Jack for removal and replacement of assemblies e.g. Motor, Gearbox, Rear Axle, Differential etc. on Passenger Cars and Transporters.

- Adjustable Universal Table with adjustable corner holders and safety-chains for optimal fine adjustment of position.
- Simple and accurate raising and lowering by foot-pedal.
- Stable and easy to move due to large caster-wheels.

#### Technical Data:



#### Accessories:

#### KL-0145-101 Carrier Adaptor VW-Audi

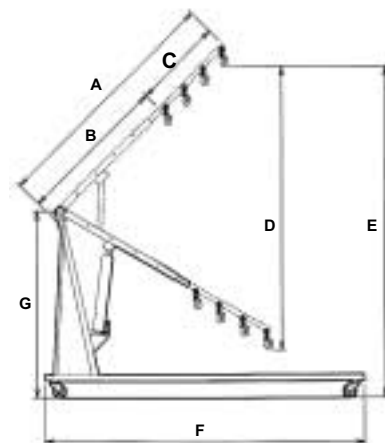
To use the various VW-Audi engine and transmission holders the **KL-0145-101**. Carrier Adaptor is required.

### KL-0145-20 Engine Crane

Hydraulic Engine Crane for removal and replacement of Engines, gearboxes, etc.

- Folds ⇒ easy to store when not in use.
- Stable and easy to move due to large caster wheels.
- Lift arm adjusts to 4 lengths.

#### Technical Data:



A:	1150 mm	E:	1800 mm
B:	870 mm	F:	1487 mm
C:	280 mm	G:	1575 mm
D:	1760 mm		

KL-0145-30



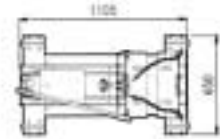
### KL-0145-30 Transmission Lift

Hydraulic Transmission Lift to allow removal and replacement of assemblies such as: Engines, Gearboxes, Rear Axles, etc.

- Also useful for changing Clutches on Tractors.
- Adjustable Universal Table with adjustable Corner Pieces and Safety-Chains to allow optimal positioning of the transmission during re-assembly.
- Good stability coupled with easy mobility thanks to large diameter castor wheels.
- Pump handle rotates through 360 degrees to allow easy and precise positioning during lifting.

#### Technical Data:

Weight:	150 kg
Load max.	1500 kg

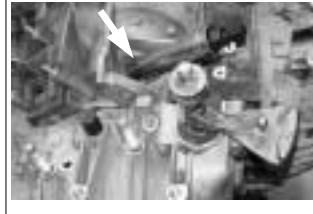


KL-1600-10

Fiat



Pulling out clutch shaft

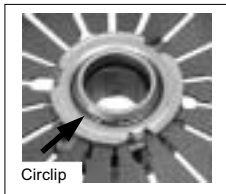


Pull-action clutch



KL-1600-11

Fiat



Circlip

Removing releaser bearing



### KL-1600-10 Puller for Fiat Ducato releaser shaft

For use on Fiat Ducato 1994 onwards with pull-action clutch.

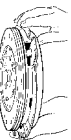
For removal of the clutch releaser shaft.

This tool is needed when removing the gearbox, for example in order to change the clutch or for gearbox repairs.

### KL-1600-11 Releaser bearing removal pin

For use on Fiat Ducato 1994 onwards with pull-action clutch.

To remove the releaser bearing from the pressure plate, the Circlip must be pretensioned with removal pin KL-1600-11.



KL-0043-32

Universal



### KL-0043-32 Bearing Extractor Set (Universal)

(With Plastic case). For pilot bearings, generator bearings, etc. With range from 10 - 30 mm diameter.

**Application: For passenger cars and trucks (lorries)**

The collets are manufactured from a special high grade steel to ensure proper functioning of the tool.

consists of:

Part No.	Description	Part No.	Description
KL-0043-3101	Spreader 5 mm	KL-0043-3110	Jaws 17 mm
KL-0043-3102	Spreader 6 mm	KL-0043-3111	Jaws 20 mm
KL-0043-3103	Slide Weight	KL-0043-3112	Jaws 25 mm
KL-0043-3107	Jaws 10 mm	KL-0043-3113	Jaws 27 mm
KL-0043-3108	Jaws 12 mm	KL-0043-3114	Jaws 30 mm
KL-0043-3109	Jaws 15 mm	KL-0043-3115	Plastic Case (empty)

KL-0069-7



Accessory:



KL-0069-7006

KL-0069-7 R



Accessory:

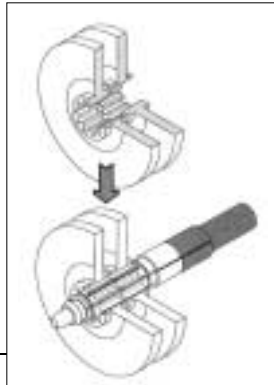


KL-0069-7006

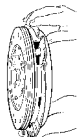
KL-0069-60 K



Universal  
Car, HGV



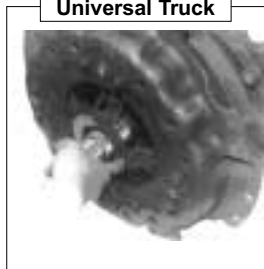
KL-0069-6



KL-0069-67 K



Universal Truck



## KL-0069-7 Clutch Aligner

Applicable for trucks and small lorries with a hub-Ø of 24 - 36 mm.

Part No.	Description
KL-0069-7	Clutch Aligner Tool for Transporter
<i>consists of:</i>	
KL-0069-700	Sleeves (Ø 15, 16, 17, 18, 19 mm)
KL-0069-710	Clutch Aligner Ø 24-36 mm

Accessory: KL-0069-7006 Aligner piece Ø20 mm

## KL-0069-7 R Clutch Aligner

Suitable for Transporter and small lorries with hub -Ø of 23 - 35 mm, especially Renault.

Part No.	Description
KL-0069-7 R	Clutch Aligner Tool (Renault)
<i>consists of:</i>	
KL-0069-700	Sleeves (Ø 15, 16, 17, 18, 19 mm)
KL-0069-710 R	Clutch Aligner Ø 23-35 mm

Accessory: KL-0069-7006 Aligner piece Ø20 mm

## KL-0069-60 K Clutch Aligner Set

For vehicles with single and double disc clutches

Part No.	Description
KL-0069-60K	Clutch Aligner Set
<i>consists of:</i>	
KL-0069-55	Clutch Aligner for Vehicles
KL-0069-5010	Aligner Case Set (Ø 12, 14, 15, 16, 17, 18, 19 mm)
KL-0069-6	Clutch Aligner for Trucks
KL-0069-6090	Plastic Storage Case (empty)

### • KL-0069-55 + KL-0069-5010 (KL-0069-5)

Universal Clutch Aligner Set with Aligner Cases.

For hub-Ø: 15 - 28 mm

Because of the parallel expanding technology it is possible to centre the clutch plate to the clutch pressure plate or to the flywheel.

### • KL-0069-6 Clutch Aligner Tool for HGV's

For trucks with single or double disc clutches (universal)

This tool set allows the correct alignment of **single or double disc** clutches of trucks and tractors to the engine. Mandrel No. 1 is applicable on interior clutch hub-Ø from 36 - 45 mm. Mandrel No. 2 is applicable on interior clutch hub-Ø 42 - 52 mm inside. The clutch aligner kit contains centering sleeves with Ø 20, 25, 27 and 30 mm.

## KL-0069-6 Clutch Aligner for Trucks

For trucks with single disc and double disc clutch (Universal).

The clutch aligner kit contains centering sleeves with Ø 20,25,27,30 mm.

This tool allows the correct alignment of single disc and double disc clutches on trucks and tractors to the engine. Mandrel No. 1 is applicable on interior clutch hub-Ø from 36 - 45 mm. Mandrel No. 2 is applicable for interior clutch hub-Ø from 42 - 52 mm.

## KL-0069-6 K Clutch Aligner

As KL-0069-6, but in plastic case KL-0069-6090.

## KL-0069-67 K Clutch Aligner Set

Suitable for Transporter and small lorries with single disc and double disc clutch (Universal).

Part No.	Description
KL-0069-67 K	Clutch Aligner Set
<i>consists of:</i>	
KL-0069-6	Clutch Aligner for Trucks
KL-0069-7	Clutch Aligner for Transporter
KL-0069-6090	Plastic Case (empty)