

KL-0315



Mercedes, BMW



### KL-0315 Locking Bar

For drive-flange on gearboxes and differentials for **Mercedes** Passenger cars, **BMW, Peugeot, Ford, GM, Chrysler, Volvo**, etc.

KL-0140-2



Differential

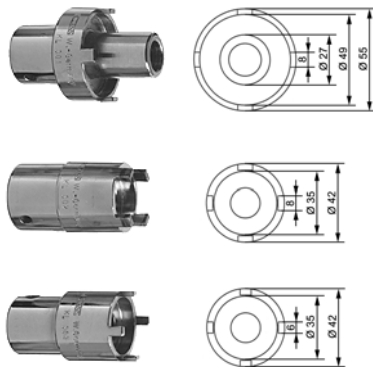


### KL-0140-2 Meter for Coefficient of Friction

For accurate adjustment of bearing pre-load when repairing Steering Racks, Gearboxes, Differentials, etc.

Measuring range:..... 0 - 6 N  
Drive: ..... 1/2"□

KL-0301 / KL-0302 / KL-0303



Mercedes



### KL-0301 Toothed Socket

For **Mercedes W116, W123, W126** Rear Axle Drive Flange.

Drive: ..... 1/2"□  
Length: ..... 80 mm  
Weight: ..... 420 g

### KL-0302 Toothed Socket

For **Mercedes** Gearbox Flange.

Drive: ..... 1/2"□  
Length: ..... 70 mm  
Weight: ..... 440 g

### KL-0303 Toothed Socket

For **Mercedes** Differential Flange.

Drive: ..... 1/2"□  
Length: ..... 70 mm  
Weight: ..... 370 g

KL-0304



Universal



### KL-0304 Special 12-point 30 mm Socket

**30 mm bihex.** For retaining nuts on rear axle, gearbox and differential flanges.

**Application:** e.g. **BMW E36, E46; Citroen Saxo; Ford Galaxy; Mercedes W123, W124, W126, W129, W201, W203, W211; Opel Astra F, Astra G; Renault Scenic, Clio, Kangoo; Toyota Avensis, Picnic and VW Golf III, Golf IV, Lupo, Touareg, T5** etc.

Drive: ..... 1/2"□  
Length: ..... 80 mm  
Weight: ..... 350 g

KL-0305



### KL-0305 Special 12-point 32 mm Socket

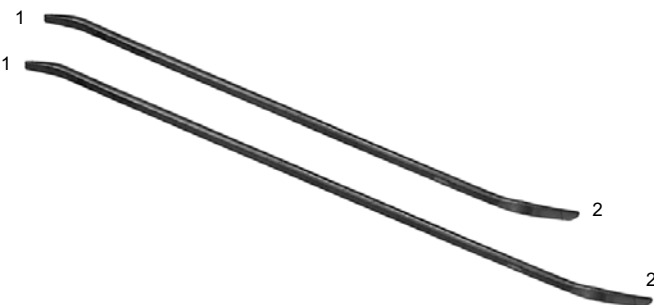
**32 mm bihex.** For retaining nuts on rear axle, gearbox and differential flanges.

**Application:** e.g. **Fiat Punto; Ford Escort, Mondeo; Mercedes W140; Nissan Almera, Opel Astra H, Vivaro; Subaru Outback** etc.

Drive: ..... 1/2"□  
Length: ..... 75 mm  
Weight: ..... 450 g

Further Toothed Sockets and Special 12-point Sockets see page 3.5-05

KL-0193-95



### KL-0193-95 Pry Bar Set

These Pry Bars are manufactured from special steel and are particularly suitable for:

- Dismantling stubborn components.
- Positioning and holding components in required position.
- Checking ball joints and silent bearings.
- Spreading clamp-fixtures, etc.

#### Technical Data:

Length	Blade Width 1 / 2	Weight
730 mm	24 / 33 mm	1600 g
1050 mm	24 / 33 mm	1900 g

### KL-0193-90

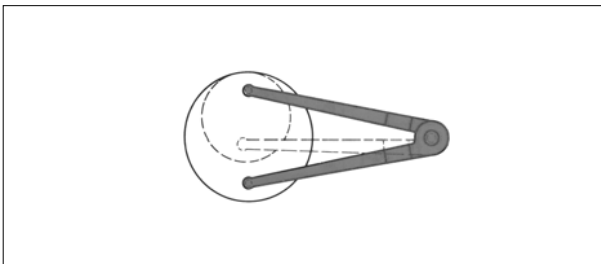
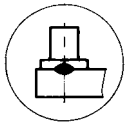


### KL-0190-94

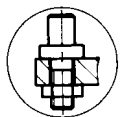


### Pin Spanner adjustable, riveted or welded.

#### KL-0149-111 - KL-0149-143



#### KL-0149-211 - KL-0149-223



### KL-0193-90 Pry Bar Set

Set consists of four hard wearing pry bars applicable for a number of different jobs.

- Dismantling stubborn components.
- Positioning components.
- Holding components in required position.
- Spreading clamp-fixtures, etc.

Part No.	Length	Pry Width
KL-0193-90		
<i>consists of:</i>		
KL-0193-904	24" (610 mm)	20 mm
KL-0193-903	18" (460 mm)	20 mm
KL-0193-902	12" (310 mm)	16 mm
KL-0193-901	8" (200 mm)	10 mm

### KL-0190-94 Pry Bar

Pry Bar made of special steel especially suitable for:

- Dismantling stubborn components.
- Positioning and holding components in required position.
- Spreading clamp-fixtures, etc.

Length: ..... 900 mm

Blade width: ..... 24 mm

### Pin Spanner, adjustable

For twin-hole nuts, with riveted or welded pins (not replaceable).

Special steel, gunmetal finish.

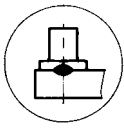
Part No.						
KL-0149-111	7-40	1,5	2,8	115	3	40
KL-0149-112		2	3,6			
KL-0149-113		2,5	4			
KL-0149-121	11-60	3	4	160	4	140
KL-0149-122		4	5			
KL-0149-123		5	6			
KL-0149-131	14-100	5	6	215	6	300
KL-0149-132		6	7			
KL-0149-133		8	8			
KL-0149-141	22-125	8	8	260	6	500
KL-0149-142		10	10			
KL-0149-143		12	12			

For twin-hole nuts, with inter-changeable pins.

Special steel, gunmetal finish.

Part No.						
KL-0149-211	11-60	3	4	160	4	140
KL-0149-212		4	5			
KL-0149-213		5	6			
KL-0149-221	14-100	5	6	215	6	300
KL-0149-222		6	7			
KL-0149-223		8	8			

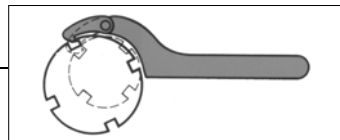
KL-0149-311 - KL-0149-342



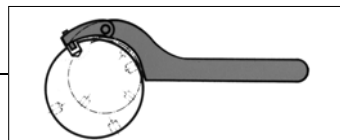
KL-0149-411 - KL-0149-442



KL-0148-311 - KL-0148-382



KL-0148-211 - KL-0148-252



KL-0148-511 - KL-0148-515



### Adjustable Pin Spanners

Special steel, gunmetal finish

For twin-hole nuts, with welded pins

Part-No.						
KL-0149-311	18-40	3	4	150	5	90
KL-0149-312		4	5			
KL-0149-321		4	5			
KL-0149-322	40-80	5	6	220	6	245
KL-0149-323		6	7			
KL-0149-331		6	7			
KL-0149-332	80-125	7	7,5	320	8	670
KL-0149-333		8	8			
KL-0149-341		8	8			
KL-0149-342	125-200	10	10	450	10	1 750

For twin-hole nuts, with inter-changeable pins

Part-No.						
KL-0149-411	18-40	3	4	150	5	90
KL-0149-412		4	5			
KL-0149-421	40-80	4	5	220	6	245
KL-0149-422		5	6			
KL-0149-423		6	7			
KL-0149-431	80-125	6	7	320	8	670
KL-0149-432		7	7,5			
KL-0149-433		8	8			
KL-0149-441	125-200	8	8	450	10	1 750
KL-0149-442		10	10			

### Spanners Special steel, gunmetal finish

For Castellated Nuts DIN 1816

Part-No.						
KL-0148-311	12-14	2	2	110	3	25
KL-0148-312	16-18	2,5	2,5	110	3	40
KL-0148-321	20-22	2,5	2,5			
KL-0148-331	25-28	3	3	136	4	55
KL-0148-332	30-32	4	3,5	170	5	100
KL-0148-341	34-36	4				
KL-0148-342	40-42	5	4	205	6	165
KL-0148-351	45-50					
KL-0148-352	52-55	5	5	240	7	270
KL-0148-361	58-62					
KL-0148-362	68-75	6	6	280	8	410
KL-0148-371	80-90					
KL-0148-372	95-100	8	8	335	10	780
KL-0148-381	110-115					
KL-0148-382	120-130	8	8	335	10	780

For Castellated Nuts DIN 1816, Jointed

Part No.					
KL-0148-211	20-35	2,5	3	135	50
KL-0148-212		3	3		
KL-0148-213		4	4		
KL-0148-221	35-60	4	4	175	100
KL-0148-222		5	5		
KL-0148-231	60-90	5	5	250	280
KL-0148-232		6	6		
KL-0148-241	90-155	6	6	290	460
KL-0148-242		8	8		
KL-0148-251	155-230	8	8	420	1 200
KL-0148-252		10	10		

For Castellated DIN 1804, Jointed

Part No.					
KL-0148-511	20-35	135	9	4	50
KL-0148-512	35-60	175	10,5	5	100
KL-0148-513	60-90	250	12,5	7	280
KL-0148-514	90-155	290	14	8	460
KL-0148-515	155-230	420	17,5	10	1 200

KL-0152-90 K



Twin-Arm Pullers

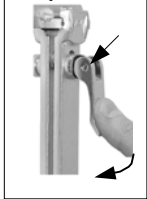


Triple-Arm Pullers



KL-0152-91 K

fast-clamp  
adjustment



Twin-Arm Puller



Triple-Arm Puller



## Puller Set Twin- / Triple-Arm with fast-clamp lever

For pulling off washers, gearwheels or ball bearings.

These twin- or triple-arm universal pullers with fast clamping hooks can be used as internal or external pullers, simply by repositioning the hooks.

The extremely narrow hook feet are necessary for gearbox repairs if pullers with conventional hooks cannot be inserted for space reasons.

### Advantages:

- The hooks always grip in parallel and can be attached to the bridge by means of a fast clamping lever.
- All-purpose tools
- Cost saving  $\Rightarrow$  1 spindle and either 2 or 4 hooks are not needed.
- The best choice for the professional in rough day-to-day working conditions in industry or for work on cars or trucks.

## KL-0152-90 K Puller Set Twin- / Triple-Arm with fast-clamp lever

### Contents:

Part-No.	Description	Qty.
<b>KL-0152-90 K</b>	<b>Puller Set 2- / 3-Arm</b>	<b>1</b>
<i>consists of:</i>		
KL-0150-0001	Twin-Arm Yoke	1
KL-0151-0001	Triple-Arm Yoke	1
KL-0152-0002	Spindle M14x1,5 x 140 with centre point	1
KL-0152-1103	Clamps - short	3
KL-0152-0005	Fast-clamp lever with pulling bolt	3
KL-0152-1004	Hooks without clamps (a=3,6 mm)	3
KL-4990-1004	Plastic case (275 x 230 x 83 mm)	1

### Technical Data:

Part-No	$\Leftrightarrow$ [mm]	$\updownarrow$ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0152-90 K	100	100	2,5 t.	2,1

## KL-0152-91 K Puller Set Twin- / Triple-Arm with fast-clamp lever

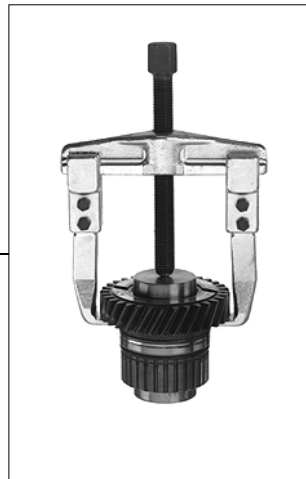
### Contents:

Part-No.	Description	Qty.
<b>KL-0152-91 K</b>	<b>Puller Set 2- / 3-Arm</b>	<b>1</b>
<i>consists of:</i>		
KL-0150-0001	Twin-Arm Yoke	1
KL-0151-0001	Triple-Arm Yoke	1
KL-0152-0002	Spindle M14x1,5 x 140 with centre point	1
KL-0152-1203	Clamps - middle	3
KL-0152-1103	Clamps - long	3
KL-0152-0005	Fast-clamp lever with pulling bolt	6
KL-0152-1004	Hooks without clamps (a=3,6 mm)	3
KL-0152-0004	Hooks without clamps (a=2,0 mm)	3
KL-4990-1007	Plastic case (340 x 275 x 83 mm)	1

### Technical Data:

Part-No.	$\Leftrightarrow$ [mm]	$\updownarrow$ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0152-91 K	100	100 / 200	2,5 t. (if a=3,6 mm) 2,0 t. (if a=2,0 mm)	3,6

### KL-0150-Series



### KL-0150-6



### KL-0151-9

Pair of Clamps  
short - middle - long



### KL-0150-Series Twin-Arm Pullers Universal

The universal twin-arm pullers can be adapted to be inner or outer pullers by reversal of the two arms on the yoke.

#### Technical Data:

Part-No.	⇄ [mm]	⊕ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0150-0*	100	100	2 t.	1,0
KL-0150-1	100	100	3 t.	1,0
KL-0150-1,5	135	100	3 t.	1,0
KL-0150-2	170	150	5 t.	3,0
KL-0150-2,5	220	150	5 t.	3,2
KL-0150-3	260	200	7,5 t.	7,0

\*The puller **KL-0150-0** is fitted with extremely pointed ends of hooks and an extremely tight hook shift (Important for Transmission repair).

### KL-0150-6 Special Twin-Arm Puller Set

The puller **KL-0150-6** is fitted with extremely pointed ends of hooks and an extremely tight hook shift (Important for Transmission repair)

Part-No.	Description	Qty.
KL-0150-6	Special Twin-Arm Puller Set	
<i>consists of:</i>		
KL-0150-1501	Yoke	1
KL-0150-0002	Spindle	1
KL-0150-0003	Pair of Clamps short* (for 1 Hook)	2
KL-0150-1203	Pair of Clamps middle* (for 1 Hook)	2
KL-0150-1253	Pair of Clamps long* (for 1 Hook)	2
KL-0150-0004	Hooks (extremely tight)	6

\* with screws for 1 hook.

#### Technical Data:

Part-No.	⇄ [mm]	⊕ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0150-6	135	100 / 200 / 250	2 t.	3,2

### KL-0151-9 Special Triple-Arm Puller Set

The puller **KL-0151-9** is fitted with extremely pointed ends of hooks and an extremely tight hook shift (Important for Transmission repair)

Part-No.	Description	Qty.
KL-0151-9	Special Triple-Arm Puller Set	
<i>consists of:</i>		
KL-0151-1501	Yoke	1
KL-0150-0002	Spindle	1
KL-0150-0003	Pair of Clamps short* (for 1 Hook)	3
KL-0150-1203	Pair of Clamps middle* (for 1 Hook)	3
KL-0150-1253	Pair of Clamps long* (for 1 Hook)	3
KL-0150-0004	Hooks (extremely tight)	9

\* with screws for 1 hook.

#### Technical Data:

Part-No.	⇄ [mm]	⊕ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0151-9	135	100 / 200 / 250	2 t.	4,8

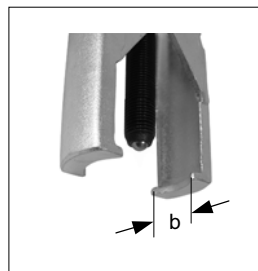
### KL-0155-Series



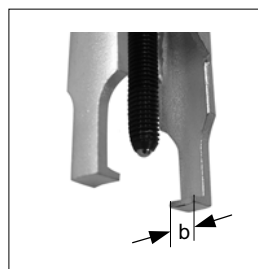
### KL-0156-Series



### KL-0154-Series



### KL-0154-40



### KL-0155-Series Twin-Arm Pullers

The pulling force is used to increase the grip on the component being pulled.

#### Technical Data

Part-No.	⇄ [mm]	⌀ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0155-30	90	100	1 t.	0,5
KL-0155-31	130	140	2 t.	0,8
KL-0155-32	200	210	5 t.	2,1

### KL-0156-Series Triple-Arm Pullers

Similar in function to KL-0155-Series, but with 3 arms.

#### Technical Data

Part-No.	⇄ [mm]	⌀ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0156-30	90	100	2 t.	0,85
KL-0156-31	130	140	3 t.	1,1
KL-0156-32	200	210	8 t.	2,9

### KL-0154 Series Twin-Arm Pullers adjustable

With extremely fine pulling lips. The lips are in cruciform and they are extremely thin to allow function in very tight spaces. The scissors construction ensures that the pulled component is gripped with increasing pressure as pulling effort increases.

#### Technical Data

Part-No.	⇄ [mm]	⌀ [mm]	b [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0154-41	80	85	23	2 t	0,4
KL-0154-42	120	120	31	3,5 t	0,8
KL-0154-43	120	150	31	3,5 t	1,0

#### Accessories: Extension-Caps for Spindles

KL-0154-4010 Extension 20 mm fitted to KL-0154-1

KL-0154-4011 Extension 30 mm fitted to KL-0154-2 & KL-0154-3

### KL-0154-40 Twin-Arm Pullers

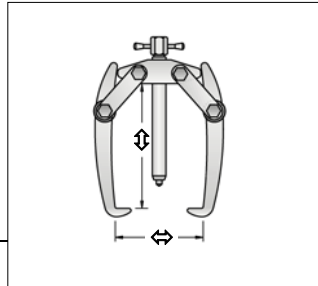
For repairs on transmissions (e.g. Mercedes etc.)

The narrow and very thin jaws of the puller-arms allows removal of gears and bearings from very limited access positions.

#### Technical Data:

Part-No.:	⇄ [mm]	⌀ [mm]	b [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0154-40	80	85	11	1,5 t.	0,4

KL-0157-2



### KL-0157-2 Twin-Arm Battery-terminal puller

The perfect tool for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc. The hook tips grip automatically.

**Technical Data:**

Part-No.:	↔ [mm]	↕ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0157-2	60	40	0,5 t.	0,3

KL-0157-1



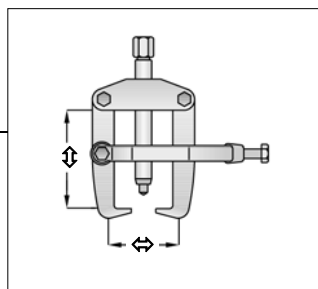
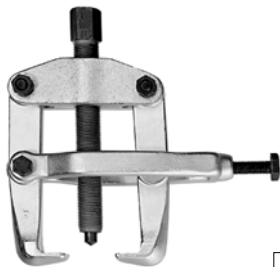
### KL-0157-1 Twin-Arm Battery-terminal puller

The perfect tool for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc. The hook tips grip automatically.

**Technical Data:**

Part-No.	↔ [mm]	↕ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0157-1	60	60	0,5 t.	0,3

KL-0155-Series



### KL-0155-Series Twin-Arm Bearing Pullers

The clamping yoke presses the hooks firmly behind the part to be removed and prevents the puller from slipping out of position.

**Technical Data:**

Part-No.	↔ [mm]	↕ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0155-71	90	85	5 t.	1,2
KL-0155-72	90	100	5 t.	1,8
KL-0155-73	150	140	7,5 t.	3,3

KL-0155-9



### KL-0155-9 Twin-Arm Bearing Puller

With clamping bridge and pushing adaptor. Especially for extracting the inner bearing ring at VW-Audi cars.

**Technical Data:**

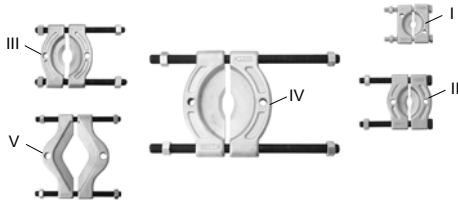
Part-No.	↔ [mm]	↕ [mm]	Load <sub>max.</sub>	Weight [kg]
KL-0155-9	90	100	1 t.	1,7



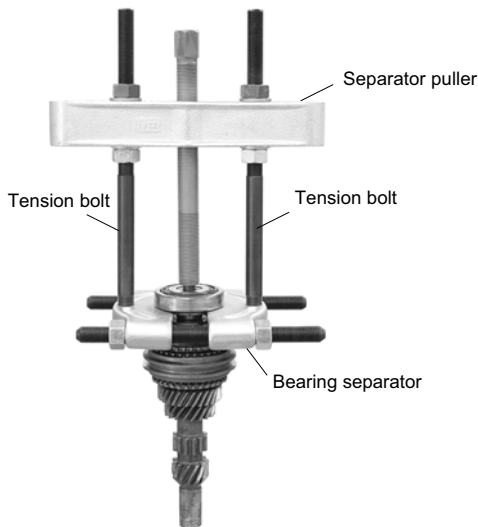
KL-0172-50 K



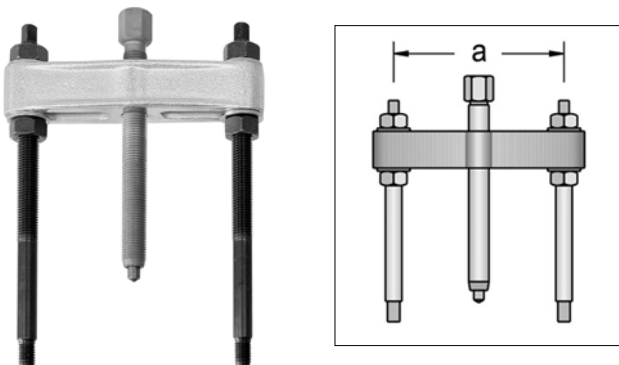
### Separator



### Bearing separator with tension bolts and separator puller.



### 1.38 Separator puller



## KL-0172-50 K Bearing Separator Set

### The ideal tool for all workshops!

The bearing separator is especially suitable to remove bearings, inner races and other firmly-seated components.

The wedge-profile and sharpened blades of the puller can be forced below the component to be removed by tightening the clamping bolts

The set consists of 5 pullers and is delivered in a plastic case.

### Technical Data:

Pos.	Diameter ranges↔ [mm]	Thread (for reaction puller)
I	6 - 26 mm	5/16"-18 UNC
II	5 - 55 mm	3/8"-16 UNC
III	9 - 125 mm	5/8"-18 UNF
IV	15 - 230 mm	5/8"-18 UNF
V	49 - 155 mm	5/8"-18 UNF

## Accessories

### Tension Bolts:

To connect bearing separator with separator puller e.g. GEDORE 1.38.

The tension bolts are screwed into the threaded holes in the bearing separators.

### KL-0172-501 Tension Bolts (Pair) M12x1,5 to 5/16"-18 UNC

#### Technical Data:

Length	Bearing separator thread	Separator puller - thread
200 mm	5/16"-18 UNC	M12x1,5

### KL-0172-502 Tension Bolts (Pair) M12x1,5 to 3/8"-16 UNC

#### Technical Data:

Length	Bearing separator thread	Separator puller - thread
200 mm	3/8"-16 UNC	M12x1,5

### KL-0172-503 Tension Bolts (Pair) M16x1,5 to 5/8"-18 UNF

#### Technical Data:

Length	Bearing separator thread	Separator puller - thread
200 mm	5/8"-18 UNF	M16x1,5

### 1.38 Separator puller

These separator pullers are used together with the bearing separators KL-0172-50 K.

Code	Part No.	a	Size of spindle	Hex.	Weight
8017550	1.38/0	40-120	M14x120	17	1,0 kg
8017710	1.38/2	70-215	G1/2"x210	22	3,8 kg

**KL-0155-39**



### KL-0155-39 Drive shaft bearing puller

Especially for dismounting and mounting drive-shaft bearings.

**Technical Data:**

Part-No.	⇔ [mm]	⇕ [mm]	Weight [kg]
KL-0155-39	45-75	750	14

**Procedure for removing bearings:**

Place the Bearing Separator firmly and uniformly behind the bearing and align the puller arms parallel with the shaft and spindle. Turn the spindle to pull off the bearing.

**Procedure for pulling on bearings:**

Place the flat side of the Bearing Separator behind the bearing. Insert the hooks behind the clamping screws of the separating blade. The bearing is then pulled against the shaft flange by tightening the spindle.

**KL-0175-60**



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

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

**Contents:**

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-0175-Series**



### KL-0175-Series Reaction Puller

For removal of gear shafts.

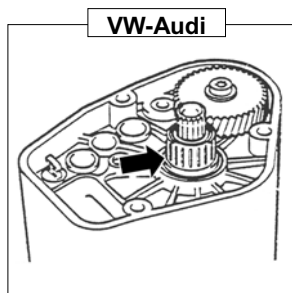
**KL-0175-300 Reaction Puller for Pilot Bearing Extractor**

**KL-0175-310 Reaction Puller for Pilot Bearing Extractor**

**Technical Data:**

Part-No.	⇔ [mm]	⇕ [mm]	Adaptor Thread	Weight [kg]
KL-0175-300	60	100	M10	0,6
KL-0175-310	90	135	M14x1,5	1,4

**KL-0230-10**



### KL-0230-10 Bearing Puller

For VW Transmission 085 (e.g. VW-Golf and VW-Polo).

Weight: ..... 1,6 kg

KL-0231-2



VW-Audi



Oil Drain Plug

### KL-0231-2 Special Socket Insert xZN M16,

For removal and replacement of the Gear Box drain plug.

**Application:** Audi A3, A4, A6; VW Golf IV, LT.

Drive: ..... 1/2"□

KL-0231-1



VW-Audi



Oil Drain Plug

### KL-0231-1 Jointed Hex Nut hex 17 mm

With 3/8" drive for the gearbox oil control bolt on **VW-Audi**.

Especially applicable on VW Golf II and III and Audi vehicles with **automatic drive**, where the oil control bolt is heavily accessible. The pivot nut may be driven by extension **KL-0100-6**.

Drive: .....3/8"□

KL-0362-803 / KL-0362-804

Mercedes



### KL-0362-803 Oil Dipstick

**Suitable for Mercedes engines 103, 104, 111, 119, 120, 137, 603, 604, 605, 606, 611, 612, 613, 626, 913, 943, 963, 984, 985, 997.**

Engine oil level manual check.

Length: .... 930 mm

KL-0362-801 / KL-0362-802

Mercedes



### KL-0362-804 Oil Dipstick

**Suitable for Mercedes engines 112, 113, 646, 647, 648.**

Engine oil level manual check.

Length: .... 930 mm

KL-0231-30

VW-Audi  
4motion/Quattro



### KL-0362-801 Oil Dipstick

**Suitable for Mercedes transmission 722.6.**

Transmission oil level manual check.

Length: .. 1220 mm

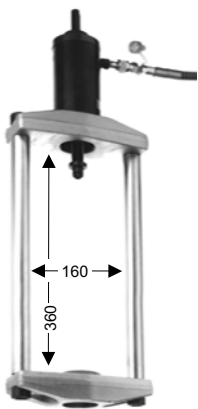
### KL-0362-802 Oil Dipstick

**Suitable for Mercedes transmission 722.7, 716.5.**

Transmission oil level manual check.

Length: .... 920 mm

KL-0043-900



### KL-0231-30 Oil Filter Key

**Suitable for 4-wheel vehicles VW Bora, Golf IV/V, Sharan, Touran 4motion as well as Audi A3 and TT Quattro etc.**

To remove and install the Haldex-clutch oil filter.

Length: .....400 mm

Weight: ..... 700 g

### KL-0043-900 Hydraulic Press (17 t.)

Hydraulic Press **KL-0043-900** may be used in conjunction with Press Tool Sets **KL-0043-8295, KL-0043-8595, KL-0159-11** or **KL-0159-12** to extract or assemble Shafts, Suspension parts, Bearings, Ball-Joints, Bushes, etc.

Due to portable construction, the Hydraulic Press may also be used on the vehicle. Weight: ..... 26,6 kg

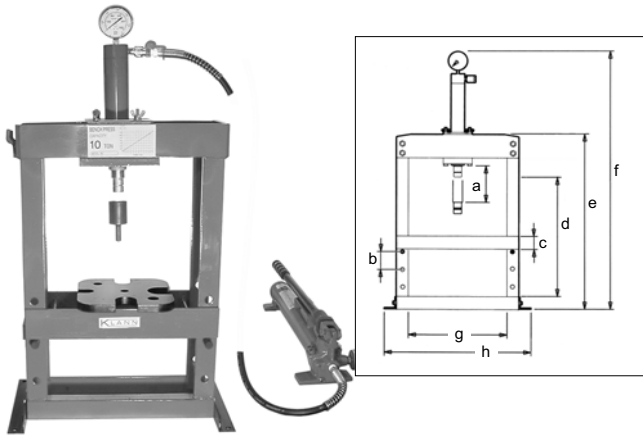
#### Contents:

Part No.	Description
KL-0043-900	Hydraulic-Press
<i>consists of:</i>	
KL-0043-902	Press Frame
KL-0040-2500	Hydraulic Cylinder
KL-0040-2510	Spindle
KL-0215-35	Hydraulic hand pump with hose and connector

#### Technical Data: Press Frame KL-0043-902:

Total Height	430 mm	Mount-Ø	30 mm
Working height	360 mm	Mounting thread	2 1/4"-14UNS
Total width	220 mm	Cylinder	
Working width	160 mm	Adaptor	2 1/4"-14UNS to Ø 30 mm
Depth	100 mm	weight	14,2 kg

KL-0145-80



## KL-0145-80 Hydraulic Bench Press 10 t with Hand Pump

The Hydraulic Bench Press **KL-0145-80** including Press Piece and Stripper Plate - in conjunction with Press Tools **KL-0043-8295**, **KL-0043-8595** and Press Tools **KL-0159-11** and **KL-0159-12** may be used for dismantling and assembling Drive Shafts, Suspension Bolts, Bearings, Bushes, etc.

**Contents: (KL-0145-80)**

Part No:	Description
KL-0145-801	Hydraulic Bench Press 10 t without Hand Pump
KL-0215-35	Hydraulic Hand pump with hose and coupling

**Technical Data:**

a	145 mm	c	72 mm	e	715 mm	g	460 mm
b	102 mm	d	490 mm	f	990 mm	h	540 mm

## KL-0145-801 Hydraulic Bench Press 10 t

As **KL-0145-80** but without hydraulic hand pump **KL-0215-35**.

KL-0159-11



**Application**



## Pressure Piece Sets

For extraction or insertion of Bearings, Shafts, Bushes, etc. in conjunction with any Hydraulic Press, or with **KL-0043-82**, **KL-0043-85** or **KL-0043-900**.

**KL-0159-11 Pressure Piece Set**

Mounting Bore 10 mm  
consists of:

**KL-0159-12 Pressure Piece Set**

Mounting Bore 20 mm  
consists of:

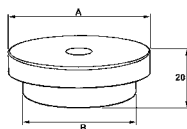
Part No.	A [mm]	B [mm]
KL-0159-1101	22	20
KL-0159-1102	24	22
KL-0159-1103	26	24
KL-0159-1104	28	26
KL-0159-1105	30	28
KL-0159-1106	32	30
KL-0159-1107	34	32
KL-0159-1108	36	34
KL-0159-1109	38	36
KL-0159-1110	40	38
KL-0159-1111	42	40
KL-0159-1112	44	42
KL-0159-1113	46	44
KL-0159-1114	48	46
KL-0159-1115	50	48
KL-0159-1120	Pilot Ø10	
KL-0159-1121	Blank Ø10	
KL-0159-1122	Case	

Part No.	A [mm]	B [mm]
KL-0159-1201	52	50
KL-0159-1202	54	52
KL-0159-1203	56	54
KL-0159-1204	58	56
KL-0159-1205	60	58
KL-0159-1206	62	60
KL-0159-1207	64	62
KL-0159-1208	66	64
KL-0159-1209	68	66
KL-0159-1210	70	68
KL-0159-1211	72	70
KL-0159-1212	74	72
KL-0159-1213	76	74
KL-0159-1214	78	76
KL-0159-1215	80	78
KL-0159-1220	Pilot Ø20	
KL-0159-1221	Blank Ø20	
KL-0159-1222	Case	

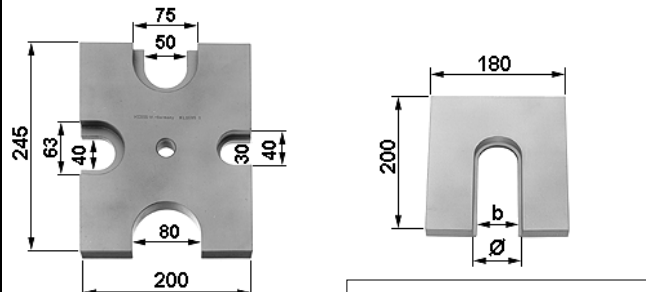
KL-0159-12



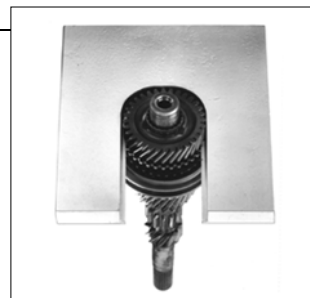
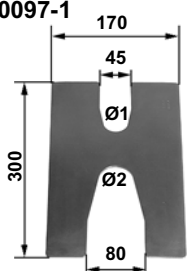
**Dimensions**



KL-0095-1 / KL-0096-1 / KL-0096-2 / KL-0096-3 / KL-0096-4



KL-0097-1



## Stripper Plates

**KL-0095-1 Stripper Plate Size 2**

For pulling and replacing of bearings at, e.g., rear axles, transmissions and engines (Technical Data see Picture).

**KL-0096-1 Stripper Plate Ø 62 mm (b = 55 mm)**

For demounting the rear axle bearing on **Opel/Vauxhall** vehicles.

**KL-0096-2 Stripper Plate Ø 67 mm (b = 57 mm)**

For demounting the rear axle bearing on **Opel/Vauxhall, Ford and Fiat** vehicles

**KL-0096-3 Stripper Plate Ø 72 mm (b = 63 mm)**

For demounting the rear axle bearing on **Opel/Vauxhall and Ford** vehicles

**KL-0096-4 Stripper Plate Ø 52 mm (b = 39 mm)**

For removal of the fifth gear in **Mercedes** manual gearboxes. Height of flange: 4 mm.

**KL-0097-1 Stripper Plate thin-walled (4 mm) made from special heat-treated steel Ø1 = 30 mm; Ø2 = 45 mm**

Especially useful for very narrow clearances (only 4 mm)

**Note: KL-0097-1** Stripper Plate may also be used in conjunction with the **KL-0150-2,5** Puller.