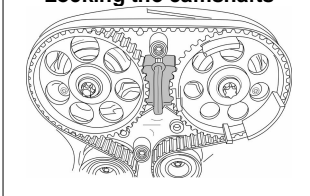


KL-0482-33 KA



### Application examples:

Locking the camshafts



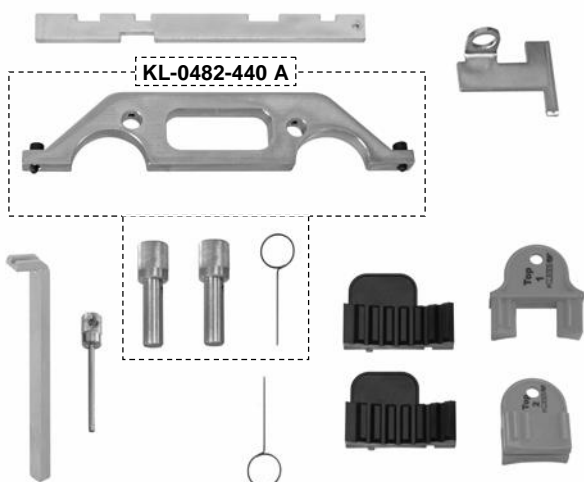
Locking the flywheel



Locking the camshafts



### Scope of delivery: KL-0482-33 KA



## KL-0482-33 KA Locking Tool Set

Suitable for Vauxhall/Opel 1.4 16V (X 14 XE, Z 14 XE); 1.6 16V (A 16 LET, A 16 XER, Z 16 XE1, Z 16 XER, Z 16 LEL, Z 16 LER, Z 16 XEP); 1.8 16V (A 18 XER, Z 18 XE, Z 18 XEL, Z 18 XER); 2.0 16V (X 20 XEV, X 20 XER, Z 20 LER, Z 20 LEH) and 2.2 16V (X 22 SE, Y 22 SE, Z 22 SE, Y 22 XE, Z 22 XE, Z 22 YH) TwinCam petrol engines.

### Field of Application

Tool set for locking and/or positioning engine shafts such as camshaft and crankshaft. Can also be used to lock and position the timing belt tensioner.

Indispensable tool when replacing a timing belt or performing an engine repair.

### Advantages

- Correct valve and engine timing adjustment.
- Quick and safe engine repair.
- Accurate and safe positioning of engine shafts such as camshaft and crankshaft.

### Scope of delivery

Part No.	Description	Qty.
KL-0482-33 KA	Locking tool set	1
<i>consists of:</i>		
KL-0482-333	Setting gauge for camshafts 4.4 mm For locking camshafts Engine code: Z 16 XER	1
KL-0482-332	Locking device for flywheel Engine code: A 16 LET, A 16 XER, Z 16 XE1, Z16XER, Z 16 LEL, Z 16 LER, Z 16 XEP, A 18 XER, Z 18 XER	1
KL-0482-440 A	Locking tool set Vauxhall/Opel 2.2 16V For locking or positioning camshafts and the timing chain tensioner. Engine code: Z 22 SE, Z 22 YH	1
KL-0481-71 A	Locking tool for flywheel Engine code: X 14 XE, Z 14 XE, C 16 XE, X 16 XE, Z 16 XE, X 16 XEL, Z 16 XE1, Z 16 XEP, Z 16 YNG, Z 18 XE, Z 18 XEL	1
KL-0482-462 A	Locking pin Ø4 mm For locking the timing belt tensioner Engine code: X 14 XE, Z 14 XE, A 16 XER, C 16 XE, Z 16 XE1, Z 16 LEL, Z 16 LER, Z 16 XEP, A 18 XER, Z 18 XE, Z 18 XEL, Z 18 XER	1
KL-0180-3019	Retaining pin Ø1.9 mm Used to lock the automatic timing belt tensioner when replacing a timing belt. Engine code: A 16 LET, Z 16 XER, Z 16 LEL, Z 16 LER, Z 16 XEP, A 18 XER, Z 18 XER	1
KL-0482-331	Locking tool set Vauxhall/Opel 1.6 For locking camshafts / camshaft sprockets Engine code: A 16 LET, A 16 XER, Z 16 LEL, Z 16 LER, Z 16 LET, Z 16 XE1, Z 16 XEP, Z 16 XER, A 18 XER, Z 18 XER	1
KL-0482-301	Locking tool for camshafts Engine code: X 18 XE, X 20 XEV, X 20 XER, Z 20 LER, Z 20 LEH, X 22 SE, Y 22 SE, Y 22 XE, Z 22 XE	1
KL-0482-302	Locking tool for camshafts Engine code: X 14 XE, Z 14 XE, C 16 XE, X 16 XE, Z 16 XE, X 16 XEL, Z 16 YNG, Z 18 XE, Z 18 XEL	1
KL-0482-3390	Plastic storage case	1

Part No.	Description	Qty.
KL-0482-440 A	Locking tool set Vauxhall/Opel 2.2 16V	1
<i>consists of:</i>		
KL-0482-4401 A	Locking tool for camshafts Vauxhall/Opel 2.2 16V	1
KL-0180-3012	Retaining pin Ø1.2 mm	1

KL-0482-330 KA



## KL-0482-330 KA Locking Tool Set

Suitable for Vauxhall/Opel 1.4 16V (X 14 XE, Z 14 XE); 1.6 16V (A 16 LET, A 16 XER, Z 16 XE1, Z 16 XER, Z 16 LEL, Z 16 LER, Z 16 XEP); 1.8 16V (A 18 XER, Z 18 XE, Z 18 XEL, Z 18 XER); 2.0 16V (X 20 XEV, X 20 XER, Z 20 LER, Z 20 LEH) and 2.2 16V (X 22 SE, Y 22 SE, Y 22 XE, Z 22 XE) TwinCam petrol-engines.

### Field of Application

Tool set for locking and/or positioning engine shafts such as camshaft and crankshaft. Can also be used to lock and position the timing belt tensioner.

Indispensable tool when replacing a timing belt or performing an engine repair.

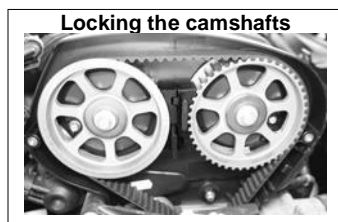
### Advantages

- Correct valve and engine timing adjustment.
- Quick and safe engine repair.
- Accurate and safe positioning of engine shafts such as camshaft and crankshaft.

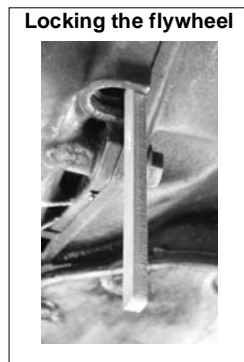
### Scope of delivery

Part No.	Description	Qty.
KL-0482-330 KA	Locking tool set	1
<i>consists of:</i>		
KL-0482-333	Setting gauge for camshafts 4.4 mm For locking camshafts Engine code: Z 16 XER	1
KL-0482-332	Locking device for flywheel Engine code: A 16 LET, A 16 XER, Z 16 XE1, Z16XER, Z 16 LEL, Z 16 LER, Z 16 XEP, A 18 XER, Z 18 XER	1
KL-0481-71 A	Locking tool for flywheel Engine code: X 14 XE, Z 14 XE, C 16 XE, X 16 XE, Z 16 XE, X 16 XEL, Z 16 XE1, Z 16 XEP, Z 16 YNG, Z 18 XE, Z 18 XEL	1
KL-0482-462 A	Locking pin Ø4 mm For locking the timing belt tensioner Engine code: X 14 XE, Z 14 XE, A 16 XER, C 16 XE, Z 16 XE1, Z 16 LEL, Z 16 LER, Z 16 XEP, A 18 XER, Z 18 XE, Z 18 XEL, Z 18 XER	1
KL-0180-3019	Retaining pin Ø1.9 mm Used to lock the automatic timing belt tensioner when replacing a timing belt. Engine code: A 16 LET, Z 16 XER, Z 16 LEL, Z 16 LER, Z 16 XEP, A 18 XER, Z 18 XER	1
KL-0482-331	Locking tool set Vauxhall/Opel 1.6 For locking camshafts / camshaft sprockets Engine code: A 16 LET, A 16 XER, Z 16 LEL, Z 16 LER, Z 16 LET, Z 16 XE1, Z 16 XEP, Z 16 XER, A 18 XER, Z 18 XER	1
KL-0482-301	Locking tool for camshafts Engine code: X 18 XE, X 20 XEV, X 20 XER, Z 20 LER, Z 20 LEH, X 22 SE, Y 22 SE, Y 22 XE, Z 22 XE	1
KL-0482-302	Locking tool for camshafts Engine code: X 14 XE, Z 14 XE, C 16 XE, X 16 XE, Z 16 XE, X 16 XEL, Z 16 XE1, Z 16 XEP, Z 16 XER, Z 18 XEL	1
KL-0482-3390	Plastic storage case	1

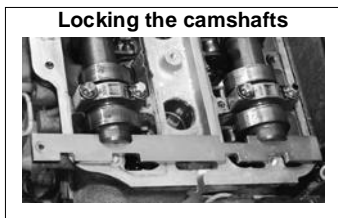
### Application examples:



Locking the camshafts



Locking the flywheel



Locking the camshafts

### Scope of delivery: KL-0482-330 KA

