



PREMIUM-WERKZEUGE



PREMIUM TOOLS



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ENGINE TIMING TOOLS

VAG

pulley wrench

- Enables the safe locking of belt pulleys
- For easy releasing of secured screws
- For deep-drawn water pumps on air-conditioned engines
- Plastic coated handle
- Chrome vanadium



	Length mm	g	€
150.3028	300,0	560	27,90

Belt disc counter hold wrench for VAG

- Simple assembly and disassembly of the crank shaft belt disc and the crank shaft toothed-belt wheel
- Versatile usage
- Long lever
- With plastic-coated handle
- Chrome vanadium

Application range: Audi A2, A4, A6, Seat, Škoda, Volkswagen Lupo, Polo, Golf 4, Bora, Passat, Beetle, Sharan etc.
engine code: AGP, AGR, AMF, AJM, ATJ, AEE, AEX, APE, AEH, AKL, APF, AWH, ALN, ANA, ARM, AUA, ADX, AEA, AFH, AFK, AHW etc.



	Length mm	g	€
150.1244	687,0	2,06	73,90

Belt disc counter hold tool for Mercedes

- Special profiles allows for counter holding when releasing or securing the crank shaft central screw
- short lever
- carbon steel

Application range: Mercedes (engine code: M271)



	Length mm	g	€
911.1740	265,0	1,60	

Pulley retaining wrench for VAG

- For the professional engine repair
- Simple assembly and disassembly of the crank shaft pulley wheel or vibration dampers
- Special profiles allows for counter holding when releasing or securing the crank shaft central screw
- Very high degree of accuracy

Application range: Volkswagen with 1.0 MPI / TSI, 1.2 TSI, 1.4 TFSI, 1.4 TDI



	Length mm	g	€
400.0048	735,0	2,22	101,90

V belt wrench Torx for VAG

- suitable for assembly and disassembly of the fan belt
- necessary to relieve the automatic tension pulley for pulling the fan belt
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: Audi and Volkswagen 2.7 and 3.0 V6 TD diesel engines, e.g. Audi A5, A6, A8, Q5, Q7, Volkswagen Phaeton and Touareg



		g	€
150.1229	2 pcs V belt wrench Torx for VAG	470	24,90

consists of:

		g	
150.1227	Special wrench with 8.0 mm hexagonal drive, 450 mm	440	
150.1233	Bit with 8.0 mm hexagonal drive for Torx screws T60, 50mm long	20	

V belt tension lever for VAG

- suitable for assembly and disassembly of the fan belt
- Required to release the automatic pulley
- Universal usage thanks to the attachable head piece
- For hard to reach places
- Chrome vanadium



	Length mm	g	€
150.1237	450,0	700	49,50

V-belt and toothed belt wrench for VAG

- For loosening the automatic clamping device
- Problem free changing of the belt
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: Audi, Seat, Škoda and Volkswagen with 2.0 TDI and 1.4 TSI engines

Volkswagen Beetle (2011-2013), Eos (2007-2013), Golf (2003-2008), Golf (>2008), Golf Estate (2007-2009), Golf Estate (>2009), Gold Plus (2005-2009), Golf Plus (>2009), Golf VI Cabrio (>2011), Jetta (2005-2011), Jetta (>2011), Scirocco (>2008); Passat (2005-2011), Passat (>2011), Tiguan (2010-2013), Polo (>2009), Touran (2007-2013), **Audi** A1 (2010-2013), **Škoda** Octavia (>2004), Yeti (2010-2013), engine code: CAVD, CAXA, CAVB, CAVC



	Suitable for	mm	Length mm	g	€
400.4300	VAG	16	380,0	501	34,50

Engine support socket set for VAG, extra short

- 12 point
- For the assembly and removal of the aluminium engine support (hard to reach sites)
- Ideal for timing belt change
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Extra short execution
- For manual operation
- Matt finish
- Chrome vanadium

Application range: For timing belt change on Volkswagen Golf IV, Audi, Škoda, Seat etc.



		g	€
911.1295	2 pcs Engine support socket set for VAG, extra short	110	5,50

consists of:

		g	
911.1293	1/2" 12 point socket, 16,0 mm short	40	
911.1294	1/2" 12 point socket, 16,0 mm long	67	

Pulleys hexagonal-socket, long

- Suited for the assembly and disassembly of the pulley wheel vibration damper, e.g. when changing the timing belt
- 6 point
- FlankTraction profile
- According to DIN 3124 / ISO 2725
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Long execution
- For manual operation
- Chrome vanadium

Application range: Audi, Seat, Škoda and Volkswagen



	mm	D1 mm	D2 mm	L mm	T mm	g	€	
917.1254	1/2"	27,0	34,0	36,0	76,0	19,0	280	5,50

Front mask stub rod for VAG

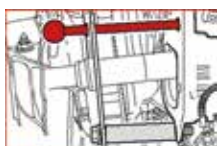
- For moving the front mask (radiator support) forward in order to carry out service work
- Allows for timing belt changes or the renewal of the water pump
- Removes the need for the adjustment of the bonnet lock and the gap measurements



	Suitable for	Ø mm	Length mm	g	€
150.3012	VAG	M8	100,0	170	28,90

Front mask guide rods for VAG

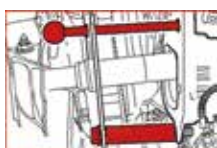
- For moving the front mask (radiator support) forward in order to carry out service work
- Allows for timing belt changes or the renewal of the water pump
- Removes the need for the adjustment of the bonnet lock and the gap measurements



	Suitable for	Ø mm	Length mm	Content	g	€
400.2077	VAG	M8	180,0	2	80	18,50
400.2078	VAG	M10	180,0	2	120	18,50
400.4565	VW T5	M8	200,0	4	860	74,90

Front mask guide and push rod set for VAG

- For moving the front mask (radiator support) forward in order to carry out service work
- Allows for timing belt changes or the renewal of the water pump
- Removes the need for the adjustment of the bonnet lock and the gap measurements



	g	€
400.2075 6 pcs Front mask guide and push rod set for VAG	749	58,90

consists of:

X	g	€
150.3012 2 Front mask stub rod for VAG	170	
400.2077 1 Front mask removal aid (2)	80	
400.2078 1 Front mask removal aid for VAG (2)	120	

Automatic pulley wrench for pin-type face for VAG

- For tightening and relaxing the timing belt on VAG vehicles
- For pin spacers with driver bores (pin-type face)
- Cranked shape
- With plastic-coated handle

Application range: Audi, Volkswagen, Seat, Škoda 4 and 5 cylinder TDI engines, also Volkswagen T4 power steering pumps



	Suitable for	Length mm	g	€
400.9008	VAG	140,0	206	20,50

Automatic pulley wrench for pin-type face for VAG

- For the professional engine repair
- For tightening and relaxing the timing belt on VAG vehicles
- For pin spacers with driver bores (pin-type face)
- Angled shape
- With plastic-coated handle
- Very high degree of accuracy

Application range: Audi, Volkswagen, Seat, Škoda 4 and 5 cylinder TDI engines



	Suitable for	Pin key mm	Stud Ø mm	g	€
400.9010	VAG	18,0	3,0	230	11,90

Tensioner pulley wrench for two-hole nuts for VAG

- For tightening and relaxing the timing belt on VAG vehicles
- For pin spacers with driver bores (pin-type face)
- 15° angled
- With plastic-coated handle

Application range: Audi, Volkswagen, Seat, Škoda 2.0 FSI/ TDI engines



	Suitable for	Pin key mm	Stud Ø mm	g	€
400.9011	VAG	18,0	3,0	259	29,90

Pin wrench for VAG, 3 mm, adjustable

- Universal usage
- For the actuation of belt tensioners in VAG
- Phosphate finish
- Special tool steel



	Suitable for	Ø mm	Length mm	g	€
150.3018	VAG	9,0-45,0	150,0	100	28,90

Automatic pulley wrench for pin-type face for VAG

- For tightening and relaxing the timing belt on VAG vehicles
- 180° adjustable handle
- For pin spacers with tappet tolerances
- Normal and extra flat ideal for hard to access areas
- With plastic-coated handle

Application range: VAG 4 and 5 cylinder TDI-Model, T4 Servo pump



	Suitable for	Length mm	Stud Ø mm	Pin key mm	g	€
500.4315	VAG	180,0	3,0	18,0	95	25,90
150.3017	VAG	185,0	3,0	18,0	105	32,50

Automatic pulley wrench set for 2.0 RDI PD engines for VAG

- Suitable for the assembly and disassembly of the timing belt
- For hard-to-reach places due to the modified support frame screws
- Chrome vanadium

Application range: Audi A3 2.0 TDI PD DPHC (05-08) with the engine ID codes AZU, BKD, BHN, BUY and Volkswagen Caddy, Caddy Maxi 2.0 SDI (09-) with BDJ, BST with engines with hydraulic spanners and Transporter 1.9 TDI Pd (06-09)



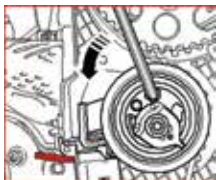
	Suitable for	g	€
400.2150 3 pcs Automatic pulley wrench set for 2.0 RDI PD engines for VAG	160	24,90	

consists of:

Part No.	Description	Weight (g)
400.2151	Tensioner adjuster 6.0 mm, 200 mm	20
400.2152	Tensioner adjuster Ø 3.9 mm	70
400.2153	Tensioner adjuster Ø 2.5 mm, 200 mm	70

Locking plate for locking the tension pulley for VAG

- For the professional engine repair
- Especially designed for fixing the hydraulic timing belt spanner
- Secure hold for changing the timing belt or engine repairs
- Very high degree of accuracy

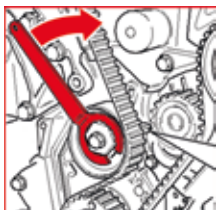


Part No.	Length (mm)	Width (mm)	Weight (g)	Price (€)
400.9019	55,0	12,0	20	4,50

Drive pulley wrench for VAG, 32.0 mm

- For the professional engine repair
- Open 12-point
- For tightening and loosening the automatic timing belt pulley
- With plastic-coated handle
- With hanging hole
- Special tool steel
- Very high degree of accuracy

Application range: Audi 100, A4, A6 TDI 5 cylinder engines, Volkswagen Polo / Lupo from 1999 onwards, LT 2.5 TDI



Part No.	Suitable for	Length (mm)	Thickness (mm)	Weight (g)	Price (€)
150.3016	VAG	32,0	175,0	3,0	11,90



Camshaft holding and turning tool for VAG

- ideal for blocking and releasing during assembly and disassembly of the camshaft adjuster
- For easy releasing of secured screws
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- very flat design
- For working in hard to access areas
- Perfect profile for correct actuation
- For manual operation
- Chrome vanadium

Application range: Audi A4 (>2008), A5 Cabriolet (>2009), A5 Coupe (>2008), Q5 (>2008), A3 (>2012) 4-cylinder 1.8L and 2.0L 4V TFSI engines



Part No.	Description	Weight (g)	Price (€)
400.0056	Camshaft holding and turning tool for VAG	118	17,50

Bit socket for spline (XZN®) screws, long

- suitable for loosening and tightening cylinder head screws and the fastening screws of the high-pressure pump timing belt wheel, e.g. when changing the timing belt
- Spline (XZN®)
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Long execution
- with press-fitted nickel-plated bit
- For manual operation
- Matt finish
- Chrome vanadium



Part No.	D (mm)	L (mm)	T (mm)	Weight (g)	Price (€)
911.1353	M10	22,0	110,0	72,0	3,50

Bit socket for hexagon screws for VAG, extra long

- Hexagon socket with ball end
- For releasing and tightening the TDC sensor
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Extra-long design
- For manual operation
- Matt finish
- Chrome vanadium

Application range: VAG models from 2005, 4-cylinder 2.0l diesel engines



Part No.	mm	Ø (mm)	Length (mm)	Weight (g)	Price (€)
911.1598	4,0	11	300,0	80	3,50

Impact bit socket for spline (XZN®) screws, long

- Ideally suited to releasing and tightening the securing screws on the cam shaft wheel
- Spline (XZN®)
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: Volkswagen Transporter >2004 with 2.5 TDI engines and Touareg >2003 with 2.5 TDI engines, engine code: AXD, BNZ, BAC and BPE



Part No.	L (mm)	D (mm)	T (mm)	Weight (g)	Price (€)
911.0953	M16	75,0	25,0	45,0	6,50

Camshaft setting bracket for VAG

- For the professional engine repair
- For locking the cam shafts
- Allows for correct engine adjustment
- With central centring screw
- Removal of the valve cover and seal no longer required
- Very high degree of accuracy

Application range: Audi A4, Volkswagen Golf, Bora, New Beetle, Seat Ibiza, Cordoba, Alhambra, Inca, Skoda Octavia with 1.9 SDI or TDI engines (engine code: AHF, ALH, ASY, ASV, AGP, AGR, AQM, AHR, AYQ)

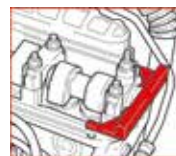


Part No.	Description	Weight (g)	Price (€)
400.9044	Camshaft setting bracket for VAG	309	23,50

Camshaft ruler for VAG

- For the professional engine repair
- Ideally suited to fixing the cam shaft
- Simple handling
- Special tool steel
- Very high degree of accuracy

Application range: VAG group vehicles with diesel engines, in particular Volkswagen T2, T3, T4, LT, Golf, Passat, Audi with 2.4D 6 cylinder and 2.4 TD 5 cylinder TDI engines, as well as all older diesel engines such as 1.6 D and 1.7 D GTD (engine code: CS, CW, JD, JX, JP, JR, 1X, 1Y, 1Z, KY, AAZ, AAT, AEL, AFN, AFF, AHU, AHH, AVG, AAB, AJA, AHY)



Part No.	Description	Weight (g)	Price (€)
400.9017	Camshaft ruler for VAG	120	4,50

Camshaft locking tool for Volkswagen

- For the professional engine repair
- for checking and adjusting the valve control
- Very high degree of accuracy

Application range: Volkswagen LT (1997 - 2006) with 2.8 l diesel engines (engine code: AGK / ATA / AUH / BCQ)

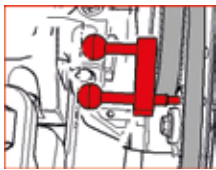


		g	€
400.0049	Camshaft locking tool for Volkswagen	823	69,50

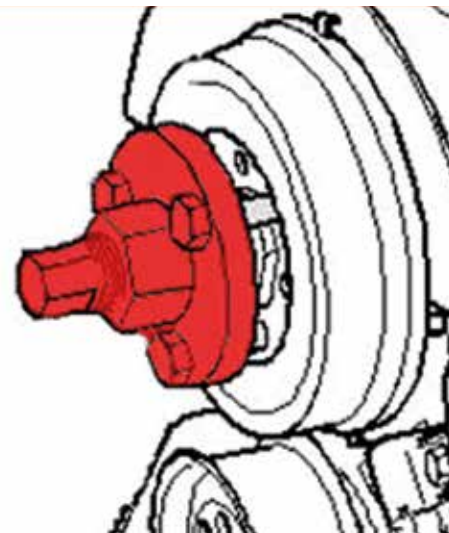
Camshaft locking device for VAG

- For the professional engine repair
- For locking both cam shaft wheels (TDC setting)
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

Application range: VAG 1.4 / 1.6 L petrol engines - Volkswagen Lupo, Polo, Golf IV, Bora, Audi A2, Seat, Škoda etc.



		g	€
150.3034	Camshaft locking device for VAG	370	33,50



4/3 way cam shaft adjustment tool for VAG

- For the professional engine repair
- For the installation and removal of the central cam shaft adjustment
- Saves removing the timing chain or removing the engine
- Very high degree of accuracy
- Serviceable from both sides

Application range: VAG Group vehicles 1.8 and 2.0 litre TFSI / TSI engines with timing chains (engine codes: BYT / BZB / CABA / CABB / CABD / CAWB / CBFA / CCTA / CCZA / CCZB / CCZC / CDAA / GDHA / GDHB / CDNB / CDNC / CDND / CFKA / CGYA / CCZA / CCZB / CCZD / CDAA / CDABBYT / BZB / CABA / CABB / CABD / CAWB / CBFA / CCTA / CCZA / CCZB / CCZC / CDAA / GDHA / GDHB / CDNB / CDNC / CDND / CFKA / CGYA / CCZA / CCZB / CCZD / CDAA / CDABBYT)



		g	€
400.9094	4/3 way cam shaft adjustment tool for VAG	63	29,90

Camshaft hub removal tool set for VAG

- For the professional engine repair
- Suitable for the simple and correct removal of the cam shaft hub
- Counter hold wrench allows for a precise release or tightening of the cam shaft hub securing screw
- Special tool steel
- Very high degree of accuracy

Application range: Audi, Seat, Škoda and Volkswagen with 1.6 TDI and 2.0 TDI engines



		g	€
400.2110	2 pcs Camshaft hub removal tool set for VAG	760	133,90

consists of:

		g	€
400.2104	Sprocket holding tool	179	
400.2105	Cam sprocket hub puller	581	

Camshaft fixing tool for VAG

- For the professional engine repair
- For locking the cam shafts
- Allows for correct engine adjustment
- Very high degree of accuracy

Application range: Audi 80, 90, A4, A6, A8 with 2.6 V6 12V engines (engine code: ABC, ACZ) and with 2.8 V6 12V engines (AAH, AEJ)



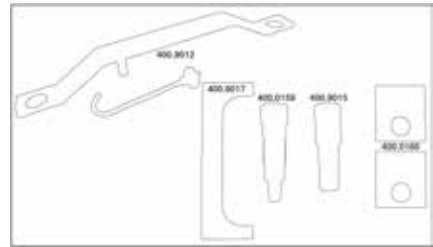
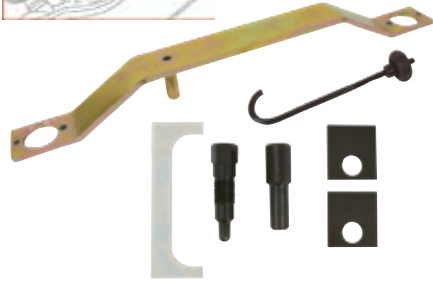
		kg	€
400.9012	Camshaft fixing tool for VAG	2,01	106,90



Engine Timing Tool Set for VAG

- For the professional engine repair
- Necessary to separate the V6 2 valve engine cam shafts from each other
- Very high degree of accuracy

Application range: Audi 80 (1991-2002) with 2.6 / 2.8 engines, A4 with 2.6 / 2.8 engines, 100 with 2.6 / 2.8 engines, A8 with 2.8 engines, Cabrio, Coupe with 2.6 / 2.8 engines (engine code: AAH, ABC)



	kg	€
400.0225 6 pcs Engine Timing Tool Set for VAG	3,02	135,90

consists of:

	kg	€
400.0159 Crankshaft timing pin	0,12	
400.0160 Camshaft timing tool (2), 38 x 44 mm	0,12	
400.9012 Camshaft locking tool, 585 mm	2,01	
400.9015 Injection pump locking pin Ø 15.4 mm	0,13	
400.9017 Camshaft setting strap for VAG	0,12	

Camshaft assembly and dismantling set for VAG

- For the professional engine repair
- for the correct assembly and dismantling of the camshaft
- fastens the slide pieces of the camshaft slide pieces
- Very high degree of accuracy

Application range:

Audi A3, A4, A5, A6, Q3, Q5, TT, Seat Alhambra, Altea, Exeo, Leon, Toledo, Skoda Octavia II, Superb II, Yeti, Volkswagen Beetle, CC, EOS, Golf 6, Jetta, Passat, Scirocco, Sharan and Tiguan with 1.8 and 2.0 TFSI petrol engines with turbocharger and 4 valves (>2008)



	kg	€
150.7005 9 pcs Camshaft assembly and dismantling set for VAG	200	69,50

consists of:

X		kg
150.7008	4 Pin for camshaft magnet	33
150.7007	2 Spacer for camshaft, 15 mm	29
150.7006	3 Spacer for camshaft, 9 mm	38



Camshaft mounting tool set for VAG

- For the professional engine repair
- ideally suited for simple and professional positioning and mounting of the camshaft in the camshaft module
- for diesel vehicles with 1.6, 2.0, 2.7, 3.0, 4.0 and 4.2 common rail engines
- Very high degree of accuracy
- Special tool steel
- In durable plastic storage case

Application range: Audi A1 (8Xa / 8X1), A3 (8Pa / 8P1 / 8P7), A4 (8K2 / 8K5), A5 (8Ta), A6 (4F2 / 4F5 / 4G2 / 4G5), TT (8J3 / 8J9), Q3 (8Ub), Q5 (8Rb), Seat Ibiza (6J1 / 6J5 / 6J8), Leon (1P1), Altea (5P1 / 5P5 / 5P8), Toledo (Kg3 / 5P2), Exeo (3R2 / 3R5), Alhambra (710), Skoda Fabia II (542 / 545), Yeti (5L7), Roomster (5J7), Rapid (Nh3), Octavia II (1Z3 / 1Z5), Superb II (3T4 / 3T5), Volkswagen Polo (6R1), Golf V (1K5), Golf VI (5K1 / Aj5 / 517), Golf VII (5G1), Golf Plus (521), Beetle (5C1 / 5C7), Scirocco (137), Eos (1F7 / 1F8), Jetta (1K2 / 162), Passat (3C2 / 3C5 / 362 / 365), Passat CC (357 / 358), Touran (1T1 / 1T2 / 1T3), Sharan (7N1), Tiguan (5N1 / 5N2), Amarok (2H), Caddy (2K / 2C), Transporter (7E / 7F / 7H / 7J), Crafter (2E / 2F) with 1.6, 2.0, 2.7, 3.0, 4.0 and 4.2 Common Rail engines



	kg	€
400.0035 10 pcs Camshaft mounting tool set for VAG	12,40	1112,90

consists of:

	kg	€
400.0036 Assembly plate	7,09	
400.0037 Camshaft retaining clamp	0,95	
400.0038 Alignment clamp	0,17	
400.0039 Alignment clamp 1	0,08	
400.0041 Camshaft support, wide	0,59	
400.0042 Camshaft support, slim	1,28	
400.0043 Camshaft support, angled	0,33	
400.0044 Camshaft support, stepped	0,02	
400.0046 Camshaft locking tool	0,04	
400.0047 Camshaft support, angled with pins	0,41	

Pulley retaining wrench for VAG

- For the professional engine repair
- Simple assembly and disassembly of the crank shaft pulley wheel or vibration dampers
- Special profiles allows for counter holding when releasing or securing the crank shaft central screw
- The handle can be lengthened via the 3/4" internal square
- Very high degree of accuracy

Application range: VAG group vehicles with 2.4 engines, in particular Volkswagen T2, T3, T4 Transporter, LT, Golf, Passat and Audi (engine code: AAB, AJA, ADG, ABL, 1X, 1Y, 1W, 1V, CS, CW, KY, JR, JX, JD, JP, 1Z, AAT, AEL, AAZ, AHU, AFN, AEY, AVG, ALE, AFF, AHH, ACV, AHY, AJT, AUF, AXG, AXL, AYC)

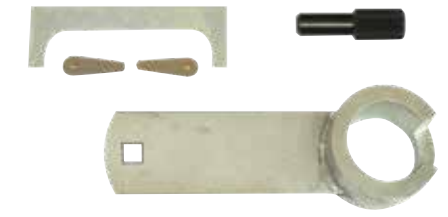
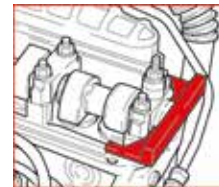


	kg	€
400.9042 Pulley retaining wrench for VAG	714	50,50

Engine adjustment tool set for VAG

- For the professional engine repair
- Range for changing timing belts or for working on timing devices
- Very high degree of accuracy
- In durable steel storage case

Application range: VAG group vehicles with 2.4 engines, in particular Volkswagen T2, T3, T4 Transporter, LT, Golf, Passat and Audi (engine code: AAB, AJA, ADG, ABL, 1X, 1Y, 1W, 1V, CS, CW, KY, JR, JX, JD, JP, 1Z, AAT, AEL, AAZ, AHU, AFN, AEY, AVG, ALE, AFF, AHH, ACV, AHY, AJT, AUF, AXG, AXL, AYC)



	kg	€
400.2125 5 pcs Engine adjustment tool set for VAG	951	64,50

consists of:

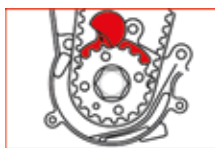
	kg	€
400.0258 Shim tool (2)	3	
400.9015 Injection pump locking pin Ø 15.4 mm	126	
400.9017 Camshaft setting strap for VAG	120	
400.9042 Pulley wheel counter hold wrench for VAG	714	



Crank shaft locking device for VAG

- For the professional engine repair
- For locking the oval crank shaft timing belt wheel
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

Application range: VAG 4 cylinder diesel / Pump injection engines from 2005 onwards and VAG 2.0 I Common Rail diesel engines



		g	€
150.3067	Crank shaft locking device for VAG	60	17,50

Crankshaft holding tool for VAG

- For the professional engine repair
- Simple assembly and disassembly of the crank shaft pulley wheel
- Special profiles allows for counter holding when releasing or securing the crank shaft central screw
- The handle can be lengthened via the 1/2" internal square
- Very high degree of accuracy

Application range: Audi A1, A2, A3, S1, Seat Leon, Ibiza, Toledo, Alhambra, Altea, Altea XL, Cordoba, Skoda Fabia II, Octavia II, Praktik, Rapid, Spaceback, Roomster, Yeti, Yeti Outdoor, Volkswagen Polo, Fox, Jetta



		g	€
400.0012	Crankshaft holding tool for VAG	850	77,50

Crank shaft timing belt puller for VAG

- For the professional engine repair
- For damage-free removal of crank shaft timing belt wheels
- Less space requirement through compact method of building
- Suited for work on engines in the vehicle or removed
- Special tool steel
- Very high degree of accuracy

Application range: Audi and Volkswagen with 4 and 5 cylinder engines

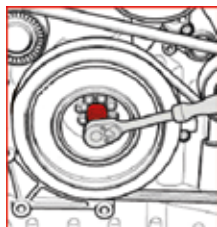


		g	€		
150.3154	VAG	65,0	75,0	440	53,50

Crankshaft pulley bolt adaptor for VAG

- For the professional engine repair
- For turning the crank shaft on VAG engines
- Required for adjusting and turning the crank shaft when working on engine timing
- Can also be used as a counter holder
- Includes centring pin
- Burnished
- Very high degree of accuracy

Application range: Audi A4, A6, A8, Q7, 6 and 8 cylinder 2.4 and 3.2 L FSI as well as 6 and 8 cylinder TDI Common Rail

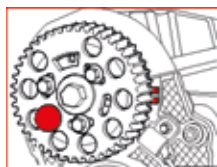


		g	€
400.9043	Crankshaft pulley bolt adaptor for VAG	140	62,50

Injection pump locking pin for VAG

- For the professional engine repair
- Ideally suited to securing the injection pump
- With air inlet
- Simple handling
- Special tool steel
- Very high degree of accuracy

Application range: Volkswagen Lupo 3L, 1.2/1.4 TDi, Polo 1.4 TDi, Golf / Bora 1.9 SDi / TDi, Passat 1.9 TD (1994-1996), Beetle 1.9 TDi (>1999) and Transporter 1.9TD



		g	€		
400.9018	VAG	6,0	80,0	20	5,50

Injection pump locking pin

- For the professional engine repair
- Ideally suited to securing the injection pump
- Simple handling
- Very high degree of accuracy
- Special tool steel

Application range: VAG group vehicles with diesel engines, in particular Volkswagen T2, T3, T4, LT, Golf, Passat, Audi with 2.4D 6 cylinder and 2.4 TD 5 cylinder TDI engines, as well as all older diesel engines such as 1.6 D and 1.7 D GTD (engine code: CS, CW, JD, JX, JP, JR, 1X, 1Y, 1Z, KY, AAZ, AAT, AEL, AFN, AFF, AHU, AHH, AVG, AAB, AJA, AHY)

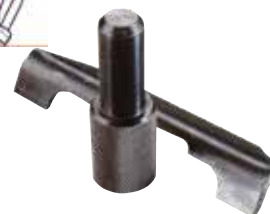
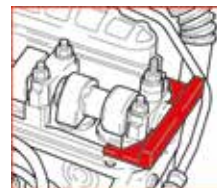


		g	€		
400.9015	VAG	15,4	67,0	126	7,50

Engine Timing Tool Set for VAG / Volvo

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Audi, Seat, Volkswagen, Volvo vehicles



		g	€
400.1725	2 pcs Engine Timing Tool Set for VAG / Volvo	251	12,90

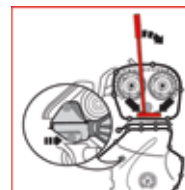
consists of:

		g	€
400.9015	Injection pump locking pin Ø 15.4 mm	126	
400.9017	Camshaft setting strap for VAG	120	

Timing chain tensioning wrench for VAG

- For the professional engine repair
- For adjusting the timing chain tension
- For putting on the chain tensioner
- Very high degree of accuracy

Application: VAG Group vehicles with 4 valve engines 1.8 and 2.0 TFSI 4 cylinder from the 3rd generation (engine code: CCZA, CCZB, CCZC, CCZD, CDA, CCAB)



		g	€
400.4350	Timing chain tensioning wrench for VAG	562	50,50



Balancing shaft puller for VAG

- ideally suited for the dismantling of balancer shafts
- can be used in conjunction with impact extractors from set 152.1405 or 152.1350
- Mounting thread on the balancer shaft puller M8 x 1.25 mm
- Sturdy design

Application range: Volkswagen (>2004), Passat (>2006), Passat CC (>2009), Tiguan (>2008), EOS (>2006), Audi A3 (>2004), A4 (>2008), A5 (>2008), TT (>2007), SEAT Alhambra (>2011), Exeo (>2009), Leon (>2006), Toledo (>2005), Altea (>2005), Altea XL (>2007), Altea Freeetra with 1.8 und 2.0 petrol engines



		g	€
150.3608	Balancing shaft puller for VAG	287	97,50

Engine adjustment tool set for VAG

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Audi A1 (2012 – 2015), A1 Sportback (2012 – 2015), A3 (2012 – 2015), Q3 (2012 – 2015), Seat Leon (2012 – 2015), Škoda Fabia III (2012 – 2015), Octavia III (2012 – 2015), Volkswagen Golf VII (2012 – 2015), Jetta (2012 – 2015), Passat (2012 – 2015), Golf Sportsvan (2012 – 2015), Golf VII (2012 – 2015), Polo (2012 – 2015) for 1.2 I and 1.4 I TSI four-cylinder petrol engines (engine code: CJZA / CZCA / CYVB / CXSB / CJZB / CMBA / GJZB / CMBA / CYVA / CXSA / CJZD / CHPB / CJZC / CPWA / CYVD / CHPA / CNG / CRJA / CUKC / CZDA / CPVA / CPVB / CUKB)



		g	€
400.4525	2 pcs Engine adjustment tool set for VAG	250	41,90

consists of:

		g	€
400.2145	Camshaft locking tool 140 mm	111	
400.2205	Crankshaft locking pin	111	

Engine adjustment tool set for VAG

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

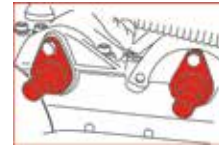
Application range: Seat Mii (2012 – 2015), Škoda Citigo (2011 -2015), Volkswagen Up! (2011 - 2015) with 1.0 I petrol engines (engine code: CHYA / CHYB / CPGA / CHYA / CHYB / CPGA / CHYA / CHYB / CPGA)



		g	€
400.4520	4 pcs Engine adjustment tool set for VAG	360	85,50

consists of:

		g	€
400.2146	Camshaft locking tool, 3 cylinders, 140 mm	100	
400.2148	Cam shaft wheel arresting tool with guide	126	
400.2205	Crankshaft locking pin	111	



Timing chain testing tool for Volkswagen

- ideally suited to assess the chain elongation of the timing chain
- is fixed to the crankshaft
- Enormous time and cost saving
- In durable steel storage case

Application range: Volkswagen Passat (2009 - 2015), Polo (2010 - 2014), Scirocco (2008 - 2016), Sharan (2010 - 2015), Tiguan (2009 - 2016), Touran (2008 - 2015), Beetle (2011 - 2017), EOS (2008 - 2015) and Golf (2007 - 2016) with 1.4 I TSI petrol engines (engine code: CAXA / CTHD / CDGA / CKMA / CAVB / CAVE / CTHE / CAVC / CMSB / CAVA / CTHA / CAVD / CTHB / CTHC / CTKA)



		g	€
400.4560	3 pcs Timing chain testing tool for Volkswagen	1,32	172,50

consists of:

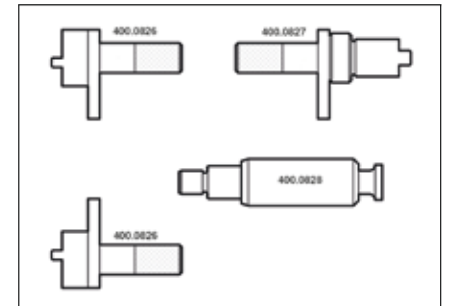
		g	€
400.4561	Exhaust camshaft holding disc	384	
400.4562	Inclinometer mounting boss	240	
300.0208	Digital inclinometer	110	



Engine Timing Tool Set for VAG

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Volkswagen Lupo, Polo with 1.2 6V / 12V engines, Seat Cordoba, Ibiza with 1.2 engines (2002-2009), Škoda Fabia II, Roomster with 1.2P engines (engine code: AWY / BMD / AZQ / BME / BZG)



		g	€
400.0825	4 pcs Engine Timing Tool Set for VAG	747	108,50

consists of:

		g	€
400.0826	Camshaft aligning tool 12V (2)	97	
400.0827	Camshaft aligning tool 6V	113	
400.0828	Crankshaft locking pin 6V/12V	115	

Camshaft locking tool set for VAG

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Audi A1/A1 Sportback (2012 – 2016), A3 Cabrio (2012,2016), A3 Saloon (2012 – 2016), A3/A3 Sportback (2012 – 2016), Q3 (2012 – 2016), Seat Ibiza (2012 – 2016), Volkswagen Golf 7 (2012 – 2016), Passat (2012 – 2016), Polo (2012 – 2016) with 1.4 I TSI and TFSI petrol engines (engine code: CPTA / CZEA)



		g	€
400.4530	4 pcs Camshaft locking tool set for VAG	600	96,50

consists of:

		g	€
400.2141	Camshaft locking tool 170 mm	47	
400.2142	Marking pin 6x33 mm, short	23	

consists of:

			€
400.2144	Marking pin 5x92 mm, long	25	
400.2205	Crankshaft locking pin	111	

Injection pump wheel puller set for VAG

- ideal for quick and easy removal of the injection pump wheel
- Saves a lot of time
- Sturdy design
- Special tool steel

Application range: Audi Q5 (2008 - 2012), A5 Coupé (2007 - 2012), A4 (2007 - 2012), Q7 (2007 - 2012), A6 Quattro (2008 - 2011), Porsche Cayenne (2008 - 2016), Volkswagen Phaeton (2007 - 2015) 2.7 l and 3.0 l diesel engines (engine code: CAMA / CAMB / CANA / CGKA / CGKB / CANC / CAND / CANB / CCWA / CASA / CASB / CDYC / CDYA / CCWB / CCMA / CCLA / CDYB / M05/9D (CAS) / M05/9E / CAS / CARA / CEXA / CATA / CASC / CASD / CEXB)



			€
400.4540	4 pcs Injection pump wheel puller set for VAG	1,01	195,90

consists of:

			€
400.4541	High pressure pump locking tool	230	
400.0159	Crankshaft timing pin	120	
400.4542	Camshaft sprocket puller	610	
400.9043	VAG Crankshaft pulley bolt adaptor	140	

Timing chain assembly tool set for VAG

- For the professional engine repair
- for mounting and dismantling the timing chain unit
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Audi A1, A3, Seat Altea, Ibiza, Leon, Toledo, Skoda Fabia, Fabia Combi, Octavia, Roomster, Yeti, Volkswagen New Beetle, Caddy, Golf, Jetta, Polo and Touran with 1.2l and 1.4 l petrol engines (engine code: CBZA, CBZB, CBZC)



			€
400.4550	4 pcs Timing chain assembly tool set for VAG	480	57,90

consists of:

			€
400.2205	Crankshaft locking pin	111	
400.3301	Camshaft locking tool, 67 mm	174	
400.2206	Crankshaft locking pin (2) 6 mm, 135 mm	53	

Engine Timing Tool Set for Audi

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy

Application range: Audi V8 with 4.2 l petrol engines



			€
400.4570	4 pcs Engine Timing Tool Set for Audi	1,59	223,90

consists of:

		X		€
400.4571	2	Camshaft position sensor disc setting tool	518	
400.4572	2	Camshaft locking tool	249	

Engine Timing Tool Set for VAG

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Audi A4, A6, A8 with 2.5 TDI engines, Volkswagen Passat, Sharan with 2.5 TDI engines



			€
400.1550	5 pcs Engine Timing Tool Set for VAG	560	43,90

consists of:

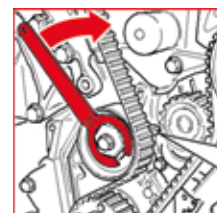
		X		€
150.3012	2	Front mask stub rod for VAG	170	
400.0159	1	Crankshaft timing pin	120	
400.0160	1	Camshaft timing tool (2), 38 x 44 mm	118	



Engine Timing Tool Set for VAG

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Volkswagen Crafter (2006-2009) with 2.5 TDi engine (engine code: BJJ / BJK / B JL / BJM)



			€
400.0975	5 pcs Engine Timing Tool Set for VAG	255	32,50

consists of:

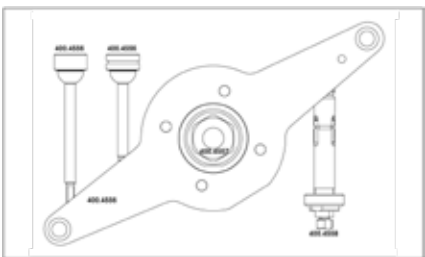
150.3016	Drive pulley wrench, 32, 175mm	110	
400.0258	Shim tool (2)	3	
400.0978	Crankshaft timing pin	103	
400.9017	Camshaft setting strap for VAG	120	



Engine adjustment tool set for VAG

- For the professional engine repair
- for changing the vibration damper
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A1 (2015 – 2017), A3 (2007 – 2017), A4 (2007 – 2017), A5 (2007 – 2017), A6 (2012 – 2017), A7 (2014 – 2017), A8 (2012 – 2014), Q3 (2011 – 2017), Q5 (2008 – 2017), Q7 (2015 – 2017), TT (2008 – 2017), S1 (2014 – 2017), S3 (2013 – 2017), **Seat** Altea (2006 – 2015), Exeo (2010 – 2013), Ibiza (2015 – 2017), Leon (2007 – 2017), Toledo (2007 – 2017), **Škoda** Octavia (2007 – 2017), Superb (2008 – 2017), Yeti (2009 – 2015), **Volkswagen** Passat (2007 – 2017), Scirocco (2008 – 2017), Sharan (2011 – 2017), Tiguan (2007 – 2016), T5 (2011 – 2015), T6 (2015 – 2017), Amarok (2010 – 2016), Beetle (2013 – 2017), Eos (2008 – 2015), Polo (2014 – 2017), Touran (2015 – 2017) and Golf (2007 – 2017) with 1.8 l and 2.0 l petrol engines (engine code: BZB / CDAA / BPU / BYT / CABA / CABB / CDHA / CDHB / CABD / CDAB / CJSA / CJSB / CJSC / CJEB / CJEE / CJED / CGYA / CYGA / DAJA / DAJB / CDND / CAWB / CJXA / GCZA / CJXE / CBFA / CJXH / CCTA / CHHB / CDNB / CHHA / CDNC / ULA / CFKA / DEDA / CHJA / CAWA / CCZC / CCZD / CP5A / CJK / CESA / CJKB / CETA / CFPA / CNCD / CPLA / CYRB / CYRC / CNCE / CYNB / CYPA / CYPB / CULB / CULC / CNCB / CWZA / CJXF / CJXC / CJXB / CJXG / CHHC / CCZB)



400.4555	5 pcs Engine adjustment tool set for VAG	3,87	278,50

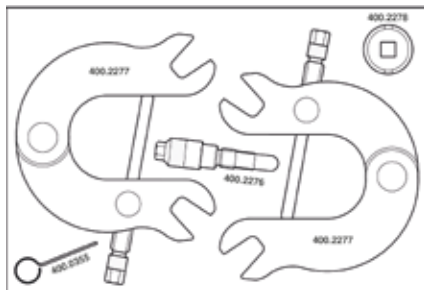
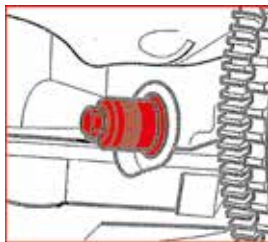
consists of:

400.4556	Vibration damper holding tool with screws	90	
400.4557	Crankshaft sprocket holding tool adaptor	220	
400.4558	Crankshaft sprocket holding tool	220	

Engine Timing Tool Set for VAG

- For the professional engine repair
- Especially for chain-driven engines
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A4, A6 (engine code: ASN / BBJ)



400.2275	5 pcs Engine Timing Tool Set for VAG	2,46	280,50

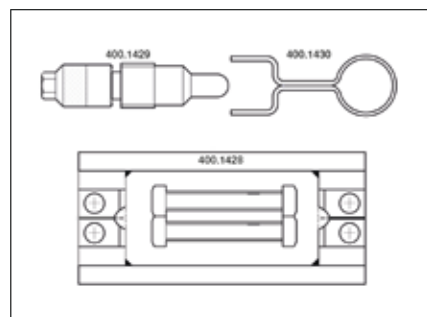
consists of:

400.0355	Tensioner pushrod retension pin	1	
400.2276	Crankshaft locking tool 80 mm	80	
400.2277	Camshaft locking tool (2)	1050	
400.2278	Camshaft sprocket adjusting tool	80	

Engine Timing Tool Set for VAG

- For the professional engine repair
- For locking the crank shaft or cam shaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi vehicles with V6, V8, V10 FSI engines



400.2250	12 pcs Engine Timing Tool Set for VAG	899	172,50

consists of:

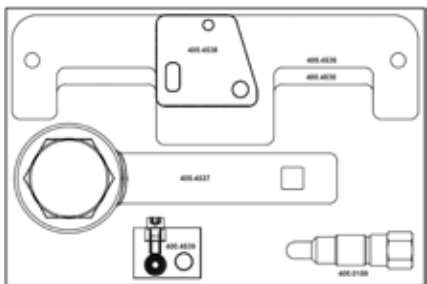
400.1428	Camshaft locking tool (10) 123 mm	665	
400.1429	Crankshaft timing pin	80	
400.1430	Timing chain tensioner locking pin Ø 3 mm, 75 mm	10	



Engine adjustment tool set for VAG

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A8 (2002 – 2011), S8 (2001 – 2015), Q7 (2003 – 2010), A3 (2005 – 2015), TT (2011 – 2012), **Porsche** Cayenne (2001 – 2004), **Škoda** Superb 2 (2010 – 2016), **Volkswagen** Phaeton (2007 – 2015), Touareg (2003 – 2012), Passat (2005 – 2014), Passat CC (2010 – 2014), Eos (2010 – 2014), Golf 4 (2001 – 2004), Golf 5 (2006 – 2009), Bora (2001 – 2004), Sharan (2000 – 2010) and T4 (2000 – 2003) with 2.8 l, 3.2 l, 3.6 l, 4.0 l, 6.0 l and 6.3 l petrol engines (engine code: BDE / AYL / AMV / CBRA / AXZ / BDB / BMJ / BUB / M55/02 / M55/01 / CDVA / BWS / CHNA / BHK / BHL / CGRA / CMTA / BDN / BDP / BAN / BAP / BRN / BRP / BTT / BJJ / CEJA / CTNA)



		kg	€
400.4535	6 pcs Engine adjustment tool set for VAG	3,20	201,50

consists of:

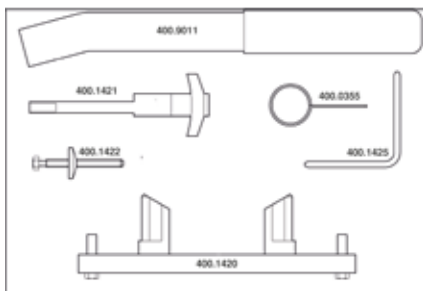
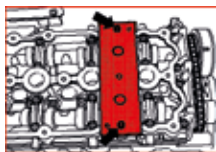
X		kg
400.0159	1 Crankshaft timing pin	120
400.4536	2 Camshaft alignment plates	400
400.4537	1 Crankshaft pulley holding tool	870
400.4538	1 Fuel pump sprocket locking tool (with mech fuel pump)	170
400.4539	1 Fuel pump sprocket locking tool (without mech fuel pump)	110



Engine Timing Tool Set for VAG

- For the professional engine repair
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi vehicles (2003-2010) with 2.0 FSI and TFSI engines



		kg	€
400.2175	6 pcs Engine Timing Tool Set for VAG	1,35	166,90

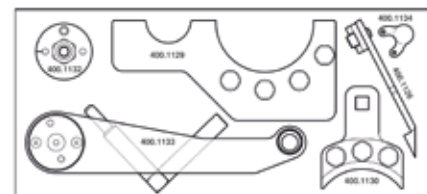
consists of:

		kg
400.0355	Tensioner pushrod retention pin	1
400.1420	Camshaft alignment tool 180 mm	802
400.1421	Chain tensioner retainer	40
400.1422	Chain tensioner retainer	17
400.1425	Tensioning locking pin, Ø 4 mm, 57 mm	11
400.9011	Automatic pulley wrench for pin-type face	259

Engine Timing Tool Set for VAG

- For the professional engine repair
- For timing wheel-driven engines
- Very high degree of accuracy
- In durable steel storage case

Application range: Volkswagen Touareg, Transporter (engine code: AXE / AXD / BAC / BLK / BLJ / BNZ / BPC / BPE / BPD)



		kg	€
400.2500	6 pcs Engine Timing Tool Set for VAG	6,50	523,50

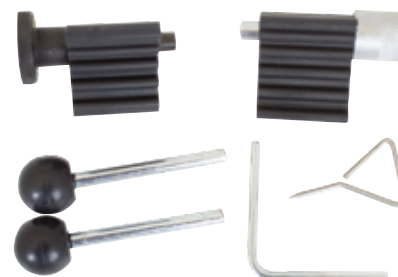
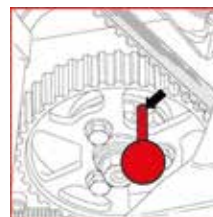
consists of:

		kg
400.1126	Camshaft locking tool 148 mm	0,23
400.1129	Camshaft gear retaining tool (big)	2,77
400.1130	Camshaft gear retaining tool (small)	0,68
400.1132	Crankshaft turning tool (TDC-cylinder 1)	0,14
400.1133	Crankshaft alignment tool (TDC-cylinder 1) (3)	1,00
400.1134	Camshaft compensation gear pre-tensioning tool	0,08

Engine Timing Tool Set for VAG

- For the professional engine repair
- For TDI pump injection engines
- For changing the timing belt
- Secure hold for changing the timing belt or engine repairs

Application range: universal usage for many VAG group vehicles, in particular Audi A3, A4, A6, Škoda Octavia 2, Fabia, Volkswagen Golf, Golf Plus, Jetta, Touran, Lupo, Fox, Bora, Beetle, Caddy, Sharan, Passat, Seat Leon, Toldeo, Althea, Alhambra with 1.4 / 1.9 / 2.0 TDI engines



		kg	€
400.2700	6 pcs Engine Timing Tool Set for VAG	460	43,90

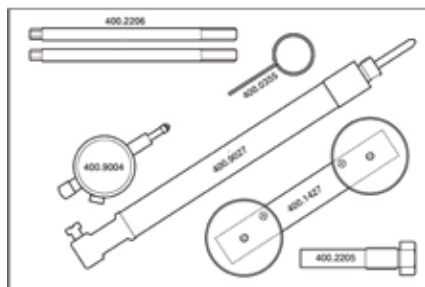
consists of:

	X		
400.0615	1	Crankshaft pulley setting tool, 60 mm	190
400.0901	1	Tensioning locking pin, 45 mm	4
400.1415	1	Crankshaft pulley setting tool, 55 mm	192
400.1425	1	Tensioning locking pin, Ø 4 mm, 57 mm	11
400.9018	2	Injection pump wheel - locking pin Ø 6.0 mm	20
400.9019	1	Tensioner locking tool	20

Engine Timing Tool Set for VAG

- For the professional engine repair
- For chain-driven vehicles
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A3, Volkswagen Polo, Golf, Jetta, Passat, Eos, Tiguan, Touran (engine code: AXU / BAG / BKG / BLF / BLN / BLP / BMY / BWK / CAXA)



		€
400.2200	7 pcs	Engine Timing Tool Set for VAG 2,11 165,90

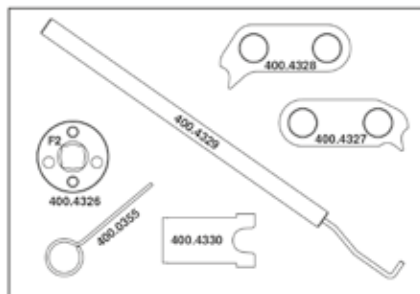
consists of:

400.1427	Camshaft alignment tool Ø 50 mm 433
400.9027	TDC determining pin Ø 5,0 mm / dial indicator bracket M14 x 1.25 288
400.9004	Precision-dial indicator gauge 0-10 mm, Ø 40 mm 78
400.2206	Crankshaft locking pin (2) 6 mm, 135 mm 53
400.2205	Crankshaft locking pin 111
400.0355	Tensioner pushrod retension pin 1

Engine Timing Tool Set for VAG

- For the professional engine repair
- Expansion set for use alongside 400.2300 / 400.3300
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi, Seat, Škoda, Volkswagen vehicles with 1.8 / 2.0 TFSI and FSI engines



		€
400.4325	6 pcs	Engine Timing Tool Set for VAG 1,87 149,90

consists of:

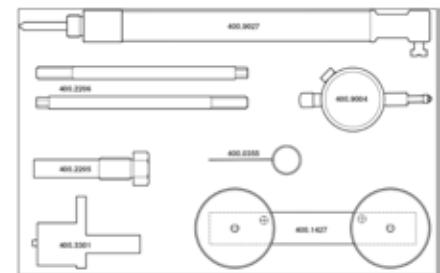
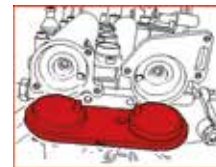
400.0355	Tensioner pushrod retension pin 1
400.4326	Cam shaft control valve removal tool 60
400.4327	Cam shaft clamp external 130
400.4328	Cam shaft clamp internal 130
400.4329	Oil pumps securing pin 160
400.4330	Timing chain wrench 42 mm 30



Engine Timing Tool Set for VAG

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Volkswagen and other VW Group vehicles 1.4 / 1.6 FSI and 1.4 TSi and 1.2 TFSi / FSI engines



		€
400.3300	8 pcs	Engine Timing Tool Set for VAG 2,14 255,90

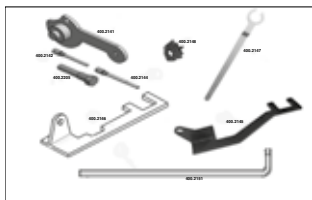
consists of:

400.0355	Tensioner pushrod retension pin 1
400.9027	TDC determining pin Ø 5,0 mm / dial indicator bracket M14 x 1.25 288
400.1427	Camshaft alignment tool Ø 50 mm 433
400.2205	Crankshaft locking pin 111
400.2206	Crankshaft locking pin (2) 6 mm, 135 mm 53
400.3301	Camshaft locking tool, 67 mm 174
400.9004	Precision-dial indicator gauge 0-10 mm, Ø 40 mm 78

Engine Timing Tool Set for VAG

- For the professional engine repair
- For blocking the cam and balance shafts
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A1, A3, Q3, Seat Leon Ibiza, Mii, Škoda Fabia III, Estate, Octavia III, Yeti, Citigo Volkswagen Golf, Up, Jetta, Passat, Polo with 1.0/1.2/1.4/1.6 engines (2011–2016) (engine code: CZCA/CXSB/CJZA/CMBA/CXSA/CYVB/CPWA/CHPB/CUKB/CZDA/CJZB/CYVA/CHPA/CJZC/CJZD/CRJA/CUKC/CPVA/CPVB/CWVA/CYVD/CWVB/CPTA/CZEA/CHYA/CHYB/CPGA)



		kg	€
400.2140	9 pcs Engine Timing Tool Set for VAG	3,00	314,50

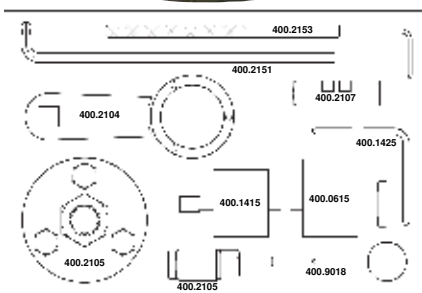
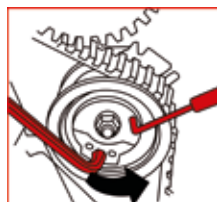
consists of:

		kg	€
400.2141	Camshaft locking tool 170 mm	47	
400.2142	Marking pin 6x33 mm, short	23	
400.2144	Marking pin 5x92 mm, long	25	
400.2145	Camshaft locking tool 140 mm	111	
400.2148	Camshaft locking tool, 3 cylinders, 140 mm	100	
400.2147	Tensioner adjuster with opening for VAG	160	
400.2148	Cam shaft wheel arresting tool with guide	126	
400.2205	Crankshaft locking pin	111	
400.2151	Tensioner adjuster 6.0 mm, 200 mm	20	

Engine Timing Tool Set for VAG

- For the professional engine repair
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A3, A4, A5, A6, Q5, Volkswagen Golf, Tiguan, Passat, Eos, Seat Exeo



		kg	€
400.2100	9 pcs Engine Timing Tool Set for VAG	2,61	242,90

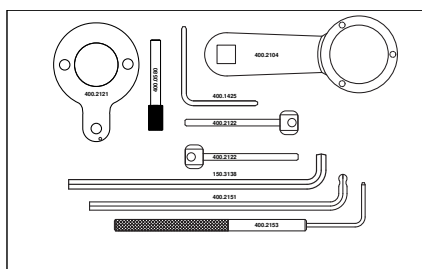
consists of:

		kg	€
400.1415	Crankshaft pulley setting tool, 55 mm	192	
400.1425	Tensioning locking pin, Ø 4 mm, 57 mm	11	
400.2104	Sprocket holding tool	179	
400.2105	Cam sprocket hub puller	581	
400.2107	Setting tool	72	
400.2153	Tensioner adjuster Ø 2.5 mm, 200 mm	70	
400.2151	Tensioner adjuster 6.0 mm, 200 mm	20	
400.9018	Injection pump wheel - locking pin Ø 6.0 mm	20	
400.0615	Crankshaft pulley setting tool, 60 mm	190	

Engine Timing Tool Set for VAG

- For the professional engine repair
- For blocking the cam and balance shafts
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi, Volkswagen, Seat, Škoda 1.6 and 2.0 TDI from 2012 onwards (engine code: CRBC/CUNA/CKFB/CRLB/CRFC/CRVC/CRBB/CKFC/CUPA/CLHA/CRBK/CLHB)



		kg	€
400.2120	9 pcs Engine Timing Tool Set for VAG	1,30	146,50

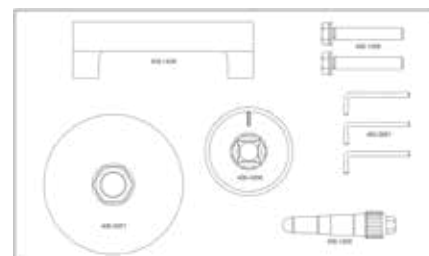
consists of:

		kg	€
400.2121	Crank shaft holding tool, internal Ø 30.0 mm	68	
400.2122	Connection pin Ø 6.0 mm, 90.0 mm	47	
400.0580	Crankshaft locking pin Ø 8.0 mm, 70 mm	30	
400.1425	Tensioning locking pin, Ø 4 mm, 57 mm	11	
400.2104	Sprocket holding tool	179	
400.2151	Tensioner adjuster 6.0 mm, 200 mm	20	
400.2153	Tensioner adjuster Ø 2.5 mm, 200 mm	70	
151.3138	Hexagon key wrench, extra long, 8mm	100	

Engine Timing Tool Set for Audi

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi RS Q3 (2013 - 2016), RS 3 (2010 - 2016) and TT (2009 - 2014) with 2.5 l TFSI or RS Plus petrol engines (engine code: CZGA / CZGB / CEPA / CEPB / CTSA)



		kg	€
400.4355	16 pcs Engine Timing Tool Set for Audi	1,77	250,50

consists of:

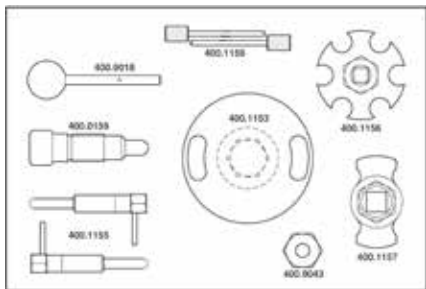
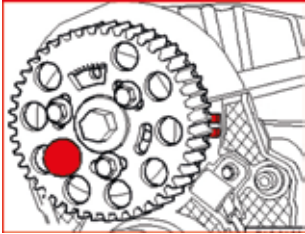
		X	kg	€
400.1428	1	Camshaft locking tool (10) 123 mm	665	
400.0901	3	Tensioning locking pin, 45 mm	4	
400.4356	1	Crankshaft pulley bolt adaptor	202	
400.1429	1	Crankshaft timing pin	80	
400.4357	1	Camshaft adjuster holding tool	220	



Engine Timing Tool Set for VAG

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A4 (2005-2009) with 2.7 TDI engine, A4 Quattro (2005-2006) with 2.0 TDI engine, Q7 with 3.0 TDI engine, Volkswagen Touareg (>2008), Phaeton (>2006) with 3.0 TDi V6 engine (engine code: BPP / BMZ / BUG / BUN)



		kg	€
400.1150	10 pcs Engine Timing Tool Set for VAG	2,41	204,50

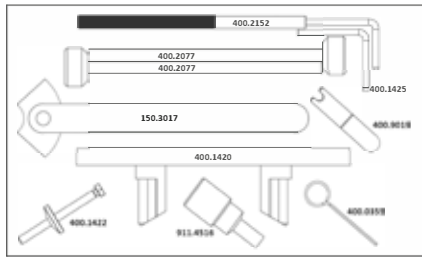
consists of:

		kg	€
400.0159	Crankshaft timing pin	120	
400.1153	Crankshaft turning tool	354	
400.1155	Camshaft locking pin (2) Ø 8 mm	47	
400.1156	Camshaft alignment/locking tool	366	
400.1157	Camshaft sprocket holding tool	120	
400.1158	Timing pin Ø 3,3 mm (2)	12	
400.9018	Injection pump wheel - locking pin Ø 6.0 mm	20	
400.9043	VAG Crankshaft pulley bolt adaptor	140	

Engine adjustment tool set for VAG

- For the professional engine repair
- For holding the camshaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A3, A4, A4, A6, S3, TT, Škoda Octavia II, Seat Altea, Exeo, Leon, Toledo, Volkswagen Eos, Golf, Jetta, Passat, Scirocco, Touran with 2.0 TFSI / FSI / TSI petrol engines (engine code: AWA / AXW / AXX / BGB / BHD / BHZ / BLR / BLX / BLY / BMB / BPG / BPJ / BPY / BUL / BVX / BVY / BVZ / BWA / BWA1 / BWE / BWJ / BWT / BYD / BYK / BZC / CDLA / CDLB / CDLC / CDLF / CDMA)



		kg	€
400.4600	10 pcs Engine adjustment tool set for VAG	1,99	232,50

consists of:

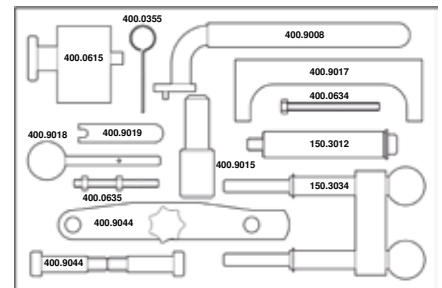
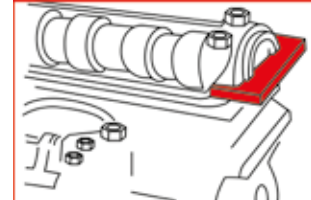
		kg	€
400.0355	Tensioner pushrod retension pin	1	
400.9019	Tensioner locking tool	20	
400.2152	Tensioner adjuster Ø 3.9 mm	70	
400.1425	Tensioning locking pin, Ø 4 mm, 57 mm	11	
400.1422	Chain tensioner retainer	17	
400.1420	Camshaft alignment tool 180 mm	802	
150.3017	Timing belt lug key, VAG, 20mm	105	
400.2077	Front mask removal aid (2)	80	
911.4516	Bit socket for RIBE screws, M10, length 55 mm	75	



Engine Timing Tool Set for VAG

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A2 with 1.2, 1.4 TDI engines, A3 with 1.9 TDI engines (> 1996), A3, A4, A6 with 1.9 TDI engines (>1999), Seat Toledo with 1.9 TDI engines (>1999), Škoda Octavia with 1.9 SDI/TDI engines (>1996), Volkswagen Golf, Bora with 1.9 SDI/TDI engines, New Beetle with 1.9 TDI engines (>1997), Lupo with 3L 1.2 TDI, Lupo, Polo 1.4 TDI, Golf, Bora 1.9 TDI engines (>1999)



		kg	€
400.0625	12 pcs Engine Timing Tool Set for VAG	1,73	179,90

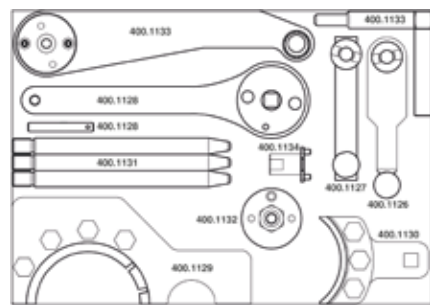
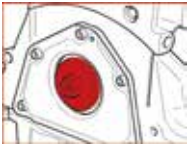
consists of:

		kg	€
150.3012	Front mask stub rod for VAG	170	
400.0355	Tensioner pushrod retension pin	1	
400.0615	Crankshaft pulley setting tool, 60 mm	190	
400.0634	Locking screw M5 x 60.0 mm	8	
400.0635	Stud and nut M5 x 55.0 mm	8	
400.9008	Automatic pulley wrench for pin-type face, 140mm	206	
400.9015	Injection pump locking pin Ø 15.4 mm	126	
400.9017	Camshaft setting strap for VAG	120	
400.9018	Injection pump wheel - locking pin Ø 6.0 mm	20	
400.9019	Tensioner locking tool	20	
400.9044	Camshaft setting strap, 150 mm	309	
150.3034	Camshaft locking tool for VAG	370	
400.0049	Camshaft locking tool for Volkswagen	823	

Engine Timing Tool Set for VAG

- For the professional engine repair
- Especially for timing wheel-driven vehicles
- For adjusting the injection adjuster via the cam shaft follower
- Very high degree of accuracy
- In durable steel storage case

Application range: Volkswagen Touareg, Transporter (> 2003) with 2.5 TDI engines (engine code: BAC / BLK / BPD / AXD / AXE / BLJ / BNZ / BPC) and 4.9D / TDI (engine code: AYH)



			€
400.1125	14 pcs Engine Timing Tool Set for VAG	9,45	803,50

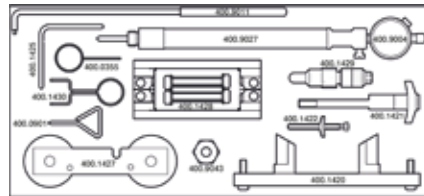
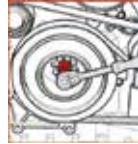
consists of:

400.1126	Camshaft locking tool 148 mm	0,23
400.1127	Camshaft locking tool 130 mm	0,17
400.1128	Crankshaft timing tool (2) Ø 8 mm	1,19
400.1129	Camshaft gear retaining tool (big)	2,77
400.1130	Camshaft gear retaining tool (small)	0,68
400.1131	Guide pin set (3)	0,77
400.1132	Crankshaft turning tool (TDC-cylinder 1)	0,14
400.1133	Crankshaft alignment tool (TDC-cylinder 1) (3)	1,00
400.1134	Camshaft compensation gear pre-tensioning tool	0,08

Engine Timing Tool Set for VAG

- For the professional engine repair
- Comprehensive set for locking timing chains
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A3, A4, A6, A8, Škoda Octavia, Volkswagen Polo, Golf, Touran, Passat (engine code: AXW / AXU / BAG / BLF / BKG / BLN / BLP / BUL / BRJ / BGB / BWA / BWE)



			€
400.2300	23 pcs Engine Timing Tool Set for VAG	2,83	476,50

consists of:

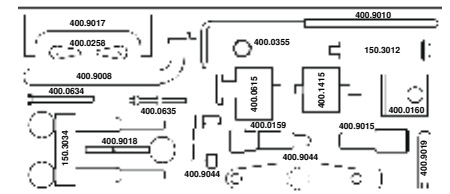
400.0355	Tensioner pushrod retension pin	1	
400.0901	Tensioning locking pin, 45 mm	4	
400.1420	Camshaft alignment tool 180 mm	802	
400.1421	Chain tensioner retainer	40	
400.1422	Chain tensioner retainer	17	
400.1425	Tensioning locking pin, Ø 4 mm, 57 mm	11	
400.1427	Camshaft alignment tool Ø 50 mm	433	
400.1428	Camshaft locking tool (10) 123 mm	665	
400.1429	Crankshaft timing pin	80	
400.1430	Timing chain tensioner locking pin Ø 3 mm, 75 mm	10	
400.9004	Precision-dial indicator gauge 0-10 mm, Ø 40 mm	78	
400.9011	Automatic pulley wrench for pin-type face	259	
400.9027	TDC determining pin Ø 5,0 mm / dial indicator bracket M14 x 1,25	288	
400.9043	VAG Crankshaft pulley bolt adaptor	140	



Engine Timing Tool Set for VAG

- For the professional engine repair
- For locking the crank shaft or cam shaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi, Seat, Škoda, Volkswagen with 1.4 / 1.6 / 1.8 / 2.0 Turbo / 2.2 / 2.3 / 1.8 / 2.0 16V, 2.6 / 2.8 with petrol engines and 1.0 / 1.2 / 1.3 / 1.4 / 1.9 TDI / 1.7 / 1.9 SDI / 2.5 TDI / 2.8 30V diesel engines



			€
400.2225	21 pcs Engine Timing Tool Set for VAG	2,23	273,90

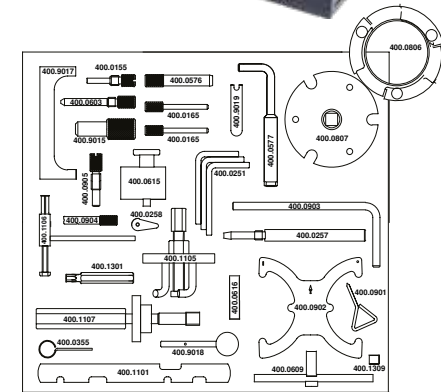
consists of:

400.0159	Crankshaft timing pin	120	
400.9044	Camshaft setting strap, 150 mm	309	
400.9019	Tensioner locking tool	20	
400.9018	Injection pump wheel - locking pin Ø 6.0 mm	20	
400.9017	Camshaft setting strap for VAG	120	
400.9015	Injection pump locking pin Ø 15.4 mm	126	
400.9010	Automatic pulley wrench for pin-type face	230	
400.9008	Automatic pulley wrench for pin-type face, 140mm	206	
400.1415	Crankshaft pulley setting tool, 55 mm	192	
400.0635	Stud and nut M5 x 55,0 mm	8	
400.0634	Locking screw M5 x 60,0 mm	8	
400.0615	Crankshaft pulley setting tool, 60 mm	190	
400.0355	Tensioner pushrod retension pin	1	
400.0258	Shim tool (2)	3	
400.0160	Camshaft timing tool (2), 38 x 44 mm	118	
150.3012	Front mask stub rod for VAG	170	
150.3034	Camshaft locking tool for VAG	370	
400.0049	Camshaft locking tool for Volkswagen	823	

Engine Timing Tool Kit for Ford / VAG

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford vehicles with TDDi / TDCi and Duratorq engines and Ford Galaxy with similar engines to Volkswagen



Part No.	Quantity	Description	Weight (kg)	Price (€)
400.1300	34 pcs	Engine Timing Tool Kit for Ford / VAG	6,68	514,90

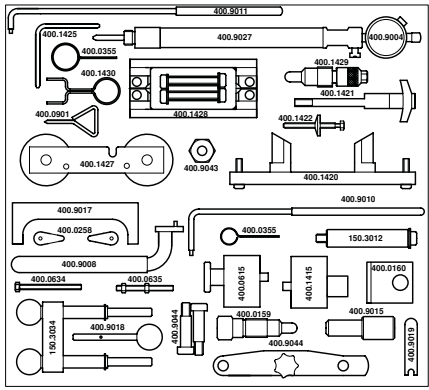
consists of:

Part No.	Description	Quantity
400.0155	Crankshaft locking pin Ø 5 mm	25
400.9019	Tensioner locking tool	20
400.9018	Injection pump wheel - locking pin Ø 6.0 mm	20
400.9017	Camshaft setting strap for VAG	120
400.9015	Injection pump locking pin Ø 15.4 mm	126
400.1309	Flywheel locking adaptor 20 mm	13
400.1301	Torx T45 bit, 75 mm	31
400.1107	Chain cover alignment tool	497
400.1106	Fuel sprocket remover for Ford, 106 mm	80
400.1105	Camshaft sprocket puller	552
400.1101	Camshaft setting strap, 200 mm	140
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33
400.0904	Camshaft/injection pump locking pin	26
400.0903	Crankshaft locking pin	85
400.0902	Camshaft locking tool	384
400.0901	Tensioning locking pin, 45 mm	4
400.0807	Pump cover locking tool	2
400.0806	Locking tool	45
400.0616	Flywheel locking adaptor 50 mm	74
400.0615	Crankshaft pulley setting tool, 60 mm	190
400.0609	Flywheel locking tool 133 x 40 mm	308
400.0603	Crankshaft timing pin, 83 mm	51
400.0165	Camshaft locking pin 5.0 mm	19
400.0251	Injection pump locking pin Ø 6.0 mm	30
400.0257	Crankshaft TDC locking pin Ø 5 mm, 160 mm	124
400.0258	Shim tool (2)	3
400.0355	Tensioner pushrod retension pin	1
400.0576	Flywheel locking pin Ø 12 mm	64
400.0577	Flywheel locking tool Ø 8 mm, 126 mm	124
400.0578	Flywheel locking pin	122

Engine Timing Tool Set for VAG

- For the professional engine repair
- For changing the timing belt or the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi, Seat, Škoda, Volkswagen vehicles including FSI and TFSI engines



Part No.	Quantity	Description	Weight (kg)	Price (€)
400.1400	42 pcs	Engine Timing Tool Set for VAG	7,94	711,50

consists of:

Part No.	Description	Quantity
400.0159	Crankshaft timing pin	120
400.9044	Camshaft setting strap, 150 mm	309
400.9043	VAG Crankshaft pulley bolt adaptor	140
400.9027	TDC determining pin Ø 5,0 mm / dial indicator bracket M14 x 1.25	288
400.9019	Tensioner locking tool	20
400.9018	Injection pump wheel - locking pin Ø 6.0 mm	20
400.9017	Camshaft setting strap for VAG	120
400.9015	Injection pump locking pin Ø 15.4 mm	126
400.9011	Automatic pulley wrench for pin-type face	259
400.9010	Automatic pulley wrench for pin-type face	230
400.9008	Automatic pulley wrench for pin-type face, 140mm	206
400.9004	Precision-dial indicator gauge 0-10 mm, Ø 40 mm	78
400.1430	Timing chain tensioner locking pin Ø 3 mm, 75 mm	10
400.1429	Crankshaft timing pin	80
400.1428	Camshaft locking tool (10) 123 mm	665
400.1427	Camshaft alignment tool Ø 50 mm	433
400.1425	Tensioning locking pin, Ø 4 mm, 57 mm	11
400.1422	Chain tensioner retainer	17
400.1421	Chain tensioner retainer	40
400.1420	Camshaft alignment tool 180 mm	802
400.1415	Crankshaft pulley setting tool, 55 mm	192
400.0901	Tensioning locking pin, 45 mm	4
400.0635	Stud and nut M5 x 55,0 mm	8
400.0634	Locking screw M5 x 60,0 mm	8
400.0615	Crankshaft pulley setting tool, 60 mm	190
400.0355	Tensioner pushrod retension pin	1
400.0258	Shim tool (2)	3
400.0160	Camshaft timing tool (2), 38 x 44 mm	118
150.3012	Front mask stub rod for VAG	170
150.3034	Camshaft locking tool for VAG	370
400.0049	Camshaft locking tool for Volkswagen	823

ALFA ROMEO

Phase adjuster for Alfa Romeo

- For the professional engine repair
- For the safe removal of the cam shaft phase adjuster (variator)
- Special tool steel
- Very high degree of accuracy

Application range: Alfa Romeo 145/145 Twin Spark with 1.4 engines with cam shaft variator



Part No.	Suitable for	Ø mm	mm	Weight (kg)	Price (€)
400.9005	Alfa Romeo	57	24,0	283	33,50

Camshaft locking tool for PSA

- For the professional engine repair
- To counter hold when loosening and tightening the cam shaft wheel screws
- Square drive 1/2"
- Very high degree of accuracy

Application range: Citroën, Peugeot, Fiat, Ford, Alfa Romeo with 1.3 JTD engines



1/2"

Part No.	Description	Weight (kg)	Price (€)
400.2429	Camshaft locking tool for PSA	485	37,50

Automatic tension pulley wrench for Alfa Romeo

- Eccentric
- Suitable for the assembly and disassembly of the timing belt
- For adjusting the timing belt tension on the automatic pulley
- Not suitable for balancing belts
- Locking handle
- With plastic-coated handle
- Chrome vanadium

Application range: Alfa Romeo 145, 146 for 1.4L and 1.6L Twin Spark engines >1996, Alfa Romeo 155, 156 for 1.6L Twin Spark engines >1996



Part No.	Suitable for	Length mm	Weight (kg)	Price (€)
150.1253	Alfa Romeo	83,0	80	17,50

Camshaft alignment tools for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For locking the cam shaft wheels (TDC position)
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

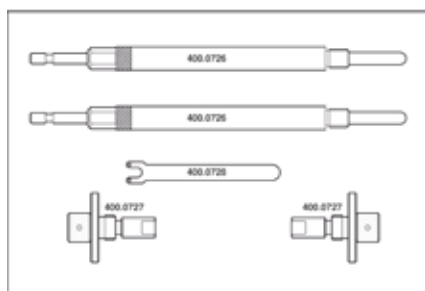


X		Subtable for		€
400.9028	4	156 2.5 V6 (> 1997)	690	82,50
400.9029	2	145/146 1.8, 2.0 Twin Spark (> 1996), Spider/GTV 2.0 16v (> 1995)	276	43,90
400.9030	2	145/146 1.4, 1.6 Twin Spark (> 1996), 155/156 Twin Spark (> 1996)	251	42,90
400.9037	2	Fiat Bravo, Brava, Marea, Marea Weekend, 2.0 20v (> 1994)	267	43,90
400.9038	2	147 1.6 (120bhp) (> 2004)	270	44,90
400.9039	2	156 2.0 JTS (> 2006)	267	43,90
400.4410	2	Alfa 147 1.6 Twin Spark (105bhp) (2001 – 2010)	113	39,50

Engine adjustment tool set for Alfa Romeo / Fiat

- For the professional engine repair
- For locking the cam shaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Alfa Romeo Giulietta, Mito, Fiat 500, Brava, Bravo, Grande Punto, Marea, Marea Weekend, Marengo, Palio Weekend, Panda, Punto Classic, Ritmo, Stilo, Idea, Lancia Delta, Susa, Ypsilon with 1.2 16V engines



X		Subtable for		€
400.0725	5 pcs	Engine adjustment tool set for Alfa Romeo / Fiat	989	142,50

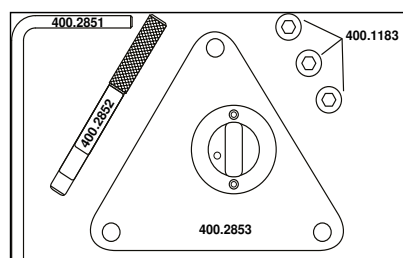
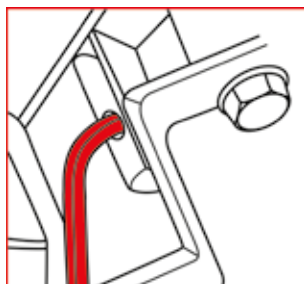
consists of:

X			€
400.0726	Piston height gauge (2)	250	
400.0727	Camshaft locking tool (2) Ø 45 mm	130	
400.0728	Tensioner adjusting tool	30	

Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- Especially for chain-driven engines
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat Panda, Punto, 500, 500c, Alfa Romeo Mito, Lancia Ypsilon (engine code: 313A2.000)



X			€
400.2850	6 pcs	Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia	1,60 86,90

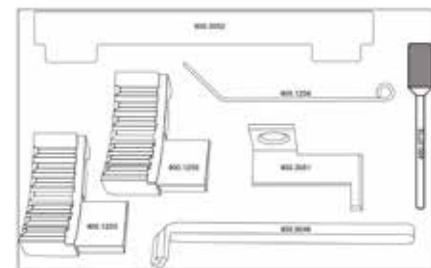
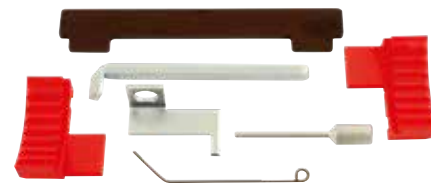
consists of:

X			€
400.2851	1	Flywheel locking tool 115 mm	460
400.2853	1	Camshaft Locking Plate	490
400.2852	1	Pulley locking pin	550
400.1183	3	Camshaft alignment tool bolt M8 x 25 mm	15

Engine Timing Tool Set for Alfa Romeo / Fiat / GM / Opel

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Chevrolet Cruze, Orlando with 1.4 / 1.6 / 1.8 engines, Opel Astra-G, Astra-H, Corsa-D, Insignia, Meriva, Signum, Vectra-C, Zafira-B, Fiat Croma, Alfa Romeo 159 (engine code: Z / A / 939A4.000)



X			€
400.3050	7 pcs	Engine Timing Tool Set for Alfa Romeo / Fiat / GM / Opel	424 74,90

consists of:

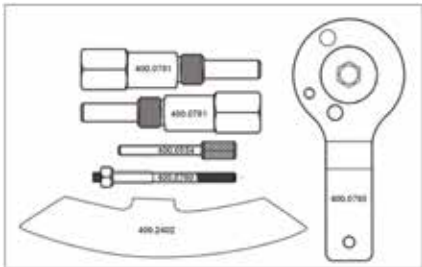
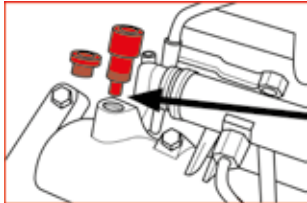
X			€
400.0778	1	Locking pin, 80 mm	20
400.1255	1	Camshaft locking tool for Opel (2), red	56
400.1256	1	Tensioner locking pin for 400.1250	3
400.3051	1	Flywheel holding tool	32
400.3052	1	Camshaft Locking Bar	148
400.9046	1	Flywheel locking tool, 130 mm	80



Engine Timing Tool Set for Alfa Romeo / Fiat

- For the professional engine repair
- For locking the crank shaft or cam shaft and injection pump
- Very high degree of accuracy
- In durable steel storage case

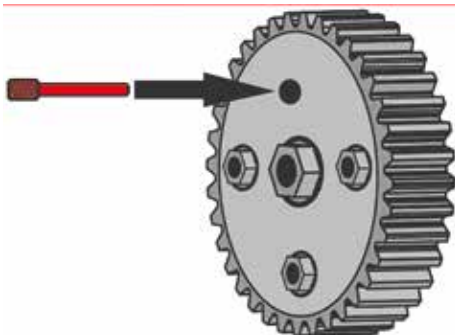
Application range: Fiat vehicles with 1.6 / 1.9 / 2.4 JTD Multi-jet diesel engines, Alfa Romeo with 2.0 JTD diesel engines (engine code: 939B3.000)



			kg	€
400.2400	7 pcs	Engine Timing Tool Set for Alfa Romeo / Fiat	1,46	105,90

consists of:

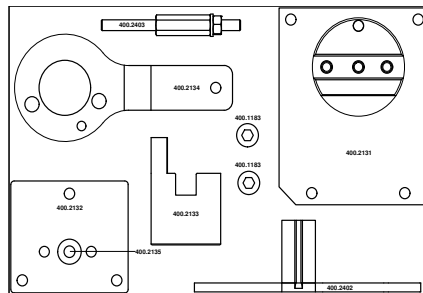
			kg	€
400.0554	1	Locking pin Ø 6.0 mm	19	
400.0780	3	Crankshaft pulley setting tool	260	
400.0781	2	Camshaft timing pin set	180	
400.2402	1	Flywheel sprocket alignment tool 134 mm	130	



Engine Timing Tool Set for Alfa Romeo / Lancia

- For the professional engine repair
- For blocking the cam and crank shafts
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

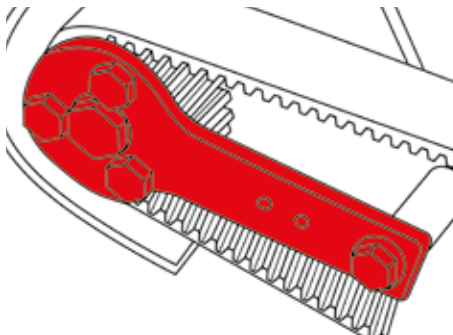
Application range: Alfa Romeo 159, Brera, Giulietta, Spider, Lancia Delta with 1.75 TBI engines >2009 (engine code: 939B1.000/940A1.000)



			kg	€
400.2130	9 pcs	Engine Timing Tool Set for Alfa Romeo / Lancia	3,08	233,50

consists of:

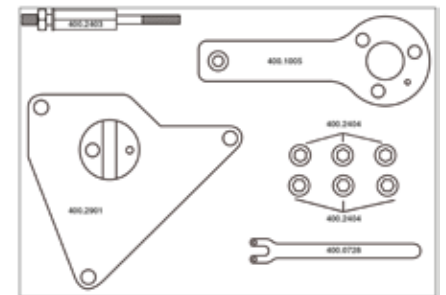
	X		kg	€
400.2402	1	Flywheel sprocket alignment tool 134 mm	130	
400.2403	1	Stud assembly	33	
400.1183	2	Camshaft alignment tool bolt M8 x 25 mm	15	
400.2134	1	Crankshaft locking tool 130 mm	271	
400.2135	1	Countersunk screw, M6x16	10	
400.2131	1	Cam shaft arresting tool with plate	892	
400.2132	1	Cam shaft alignment plate with pins	362	
400.2133	1	Cam shaft alignment tool for alignment plate	193	



Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For locking the crank shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Alfa Romeo Mito, Giulietta MultiAir 105, MultiAir Turbo 135, 163 / 170 (2009-2013) Fiat Punto Evo, Punto, Bravo (2009-2013) Lancia Delta (2010-2013) - (engine code: 955A6.000 / 955A7.000 / 955A8.000 / 955A2.000 / 940A2.000)



			kg	€
400.2900	10 pcs	Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia	1,40	124,50

consists of:

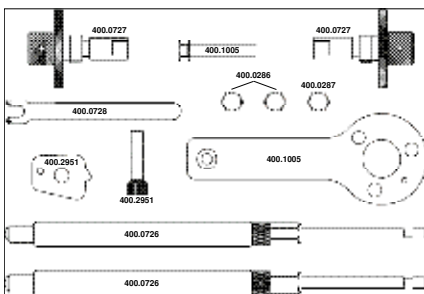
	X		kg	€
400.0728	1	Tensioner adjusting tool	30	
400.1005	1	Crankshaft locking tool Ø 22 mm	7	
400.2403	1	Stud assembly	33	
400.2404	6	Socket head screw M8 x 20 mm	13	
400.2901	1	Tensioner adjusting tool 130 mm	504	



Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Alfa Romeo Giulietta, MiTo Fiat 500, Brava, Bravo, Grande Punto, Marea, Marea Weekend, Marengo, Palio Weekend Panda, Punto, Punto Classic, Ritmo, Stilo, Idea Lancia Delta, Musa, Ypsilon



				€
400.2950	10 pcs	Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia	1,22	202,50

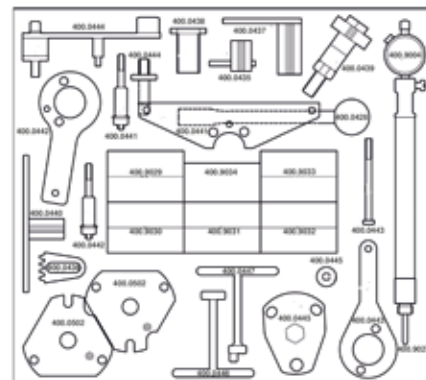
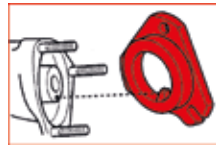
consists of:

	X		
400.0726	1	Piston height gauge (2)	250
400.2951	1	Camshaft pulley holding tool, 35 mm	126
400.1005	5	Crankshaft locking tool Ø 22 mm	7
400.0728	1	Tensioner adjusting tool	30
400.0727	1	Camshaft locking tool (2) Ø 45 mm	130
400.0286	1	Screw M8 x 35 mm (2)	16
400.0287	1	Screw M8 x 40,0 mm	18

Engine Timing Tool Set for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For locking the crank shaft and cam shaft
- Suitable for pre-tensioning timing belt tensioner on the automatic pulley
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: universal usage on many Italian vehicles, in particular Alfa Romeo, Fiat, Lancia vehicles with 1.4 / 1.6 / 1.8 / 2.0 / Twinspark 1.2 / 1.4 / 1.6 / 1.8 16 V petrol engines 1.6 / 1.8 / 1.9D / TD / 2.0 / 2.1 12V / 2.4 diesel engines



				€
400.0425	36 pcs	Engine Timing Tool Set for Alfa Romeo / Fiat / Lancia	7,57	885,90

consists of:

400.0428		Tensioning tool-pry 180 mm	170
400.0435		Flywheel locking tool 45 x 30 mm	57
400.0436		Flywheel locking tool, 28 x 45 mm	135

consists of:

400.0437		Flywheel locking tool 77 x 60 mm	100
400.0438		Flywheel locking tool 44 x 35 mm	51
400.0439		Flywheel locking tool 87 x 40 mm	317
400.0440		Flywheel locking tool 135 x 40 mm	136
400.0441		Crankshaft timing tool (3) 175 mm	154
400.0442		Crankshaft timing tool (2) 130 mm	154
400.0443		Crankshaft timing tool (3)	160
400.0444		Tensioning tool	240
400.0445		Camshaft locking tool (2), Alfa Romeo, Fiat, Lancia	530
400.0446		Balancer shaft belt tensioning tool	97
400.0447		Tensioning tool-pry 93 mm	70
400.0502		Camshaft locking tool (2) 86 x 78 mm	400
400.9004		Precision-dial indicator gauge 0-10 mm, Ø 40 mm	78
400.9027		TDC determining pin Ø 5,0 mm / dial indicator bracket M14 x 1.25	288
400.9029		Camshaft locking tool (2), B	276
400.9030		Camshaft locking tool (2), C	251
400.9031		Camshaft locking tool (2), D	272
400.9032		Camshaft locking tool (2), E	269
400.9033		Camshaft locking tool (2), F	276
400.9034		Crankshaft timing tool, G	178



BMW

Holding wrench for Visco ventilator

- For counter holding the ventilation valve when disassembling the Visco ventilator
- Especially slim design
- Enables easy access
- Special tool steel

Application range: BMW engine M10, M20, M21, M30, M50, M51, M52, M52TU, M54, M56, M70, M73, S14 and S38



	Length mm	kg	€
150.3306	380,0	330	26,90

V belt wrench Torx for BMW and Mercedes T60

- suitable for assembly and disassembly of the fan belt
- necessary to relieve the automatic tension pulley for pulling the fan belt
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: BMW 5 series (E60) 2.0 L petrol engine M54 and Mercedes C class (W203, W204) 1.8 L petrol engine M271 etc.



		kg	€
150.1234	2 pcs V belt wrench Torx for BMW and Mercedes T60	460	24,90

consists of:

		kg	€
150.1227	Special wrench with 8.0 mm hexagonal drive, 450 mm	440	
150.1236	Bit with 8.0 mm hexagonal drive for Torx screws T60, 22mm long	20	

Belt pulley retaining wrench for BMW

- For the professional engine repair
- Simple assembly and disassembly of the crank shaft pulley wheel or vibration dampers
- Special profiles allows for counter holding when releasing or securing the crank shaft central screw
- Very high degree of accuracy

Application range: BMW (engine code: M60/M62)



	Length mm	kg	€
400.4585	530,0	2,08	86,90

Crankshaft pulley locking tool for BMW / Mini

- For the professional engine repair
- Simple assembly and disassembly of the crank shaft pulley wheel
- Special profiles allows for counter holding when releasing or securing the crank shaft central screw
- Very high degree of accuracy

Application range: BMW 1 Series (2007 - 2016), 2 Series Coupé (2007 - 2016), 3 Series (2007 - 2016), 4 Series (2007 - 2016), 5 Series (2007 - 2016), 6 Series (2007 - 2016), 7 Series (2007 - 2016), X1 (2007 - 2016), X3 (2007 - 2016), X4 (2007 - 2016), X5 (2007 - 2016), X6 (2007 - 2016), Mini Clubman (2007 - 2016), Clubvan (2007 - 2016), Countryman (2007 - 2016), Coupe (2007 - 2016), Mini (2007 - 2016), Paceman (2007 - 2016), Roadster (2007 - 2016) for 1.6 l, 2.0 l, 3.0 l diesel engines (engine code: N47 D20A/K0 / N47 D20A / N47 D16C / N47 D16 / N47S D20B/D/T0 / N47 D20C/K1 / N47 D20C / N47 D20C/U1 / N47 D20D/T1 / N47 D20D / N47 D20C/O1 / N47 D20A/U0 / N47 D20K1 / N47 D20U0 / N47T D20O1 / N47D20C/O / N47 D20U1 / N47 / N47 D20C/O1 / N47 D20O0 / N47S D20D/T0 / N47 D20A/O0 / N47 C16U1 / N47 C16K1 / N47 C20K1 / N47 C20U1 / N47 C16A/U1 / N47 C20A/K1 / N57 D30A/O0 / D57 D30A/O1 / N57 D30U0 / N57 D30B / N57 D30A / N57 D30U0 / N57 D30B / N57 D30A / N57 D30U0 / N57 D30O0 / N57 D30O1 / N57 D30B/T1 / N57 D30T0 / N57 D30C/S1 / N57 D30A0 / N57 D30T0 / N57 D30C / N57D30B/T0)



		kg	€
400.4370	6 pcs Crankshaft pulley locking tool for BMW / Mini	1,24	83,50

consists of:

		kg	€
400.4371	Retainer plate	830	
400.4372	Retaining mandrel set 5 pcs	390	

Balancer shaft alignment tool for BMW / Mini

- For the professional engine repair
- ideally suited for aligning the balancer shaft
- Very high degree of accuracy
- In durable plastic case

Application range: BMW 1 Series (20 - 2016), 2 Series (2014 - 2016), 3 Series (2007 - 2016), 4 Series (2013 - 2016), 5 Series (2007 - 2016), X1 (2009 - 2016), X3 (2007 - 2016), X4 (2014 - 2016), X5 (2013 - 2016), Mini Clubman (2015 - 2016) and Mini hatchback (2014 - 2016) with 2.0 l diesel engines (engine code: B47 D20A / B47 C20A / B48 A20B / B47 / B47 C20 / B48 A20A / N47 D20A/K0 / N47 D20A / N47S D20B/D/T0 / N47 D16C / N47 D16 / N47 D20C/K1 / N47 D20C / N47 D20C/U1 / N47 D20C/O1 / N47 D20D/T1 / N47 D20D / N47 D20A/U0 / N47T D20K1 / N47 D20U0 / N47T D20U1 / N47T D20O1 / N47 D20C/O / N47 D20C/O1 / N47 D20O0 / N47S D20D/T0 / N47 D20A/O0)



		kg	€
400.4390	Balancer shaft alignment tool for BMW / Mini	2,93	227,90

Balancer shaft removal tool set for BMW / Mini

- For the professional engine repair
- ideally suited for dismantling the balancer shaft
- Very high degree of accuracy
- In durable plastic storage case

Application range: BMW 1 Series F20/F21 (2015 - 2017), 2 Series F22/F23/F45/F46 (2014 - 2017), 3 Series F30/F31 (2015 - 2017), i8 I12 (2014 - 2017), X1 F48 (2015 - 2017), Mini Clubman F54 (2015 - 2017), Convertible F57 (2016 - 2017) and Mini hatchback F55/F56 (2014 - 2017) with 1.2 l and 1.5 l petrol or 1.5 l diesel engines (engine code: B38 A12A / B37 D15A / B37 C15A / B38 B15A / B38 A15A / B38 K15A)



		kg	€
400.4380	4 pcs Balancer shaft removal tool set for BMW / Mini	1,55	239,90

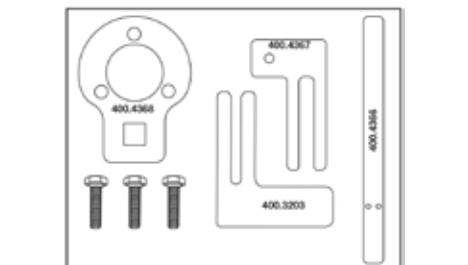
consists of:

		kg	€
400.4381	Balance shaft locking tool, Diesel	255	
400.4382	Balance shaft locking tool, Diesel	190	
400.4383	Balance shaft disassembly tool	710	
400.4384	Assembly plate for alignment tools	215	

Balancer shaft locking tool set for BMW

- For the professional engine repair
- for locking the balance shafts
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: BMW 1 Series E87/E81/E88/F20/F22 (2004 - 2015), 3 Series E46 (2001 - 2004), E90/E91/E92/E93 (2005 - 2015), 5 Series E60/E61 (2007 - 2010), X1 E84 (2010 - 2012), X3 E83 (2005 - 2010), Z4 E85/86 (2004 - 2009) with 1.6 l, 1.8 l and 2.0 l petrol engines (engine code: N45 B16A / N45T B16AC / N42 B18A / N46 B18 / N46 B20B / N46T B20 / N46TB20Bz / N46T B20O2 / N42 B20A / N46 B20 / N46T B20BD / N45 B20AA / N46T B20B)



		kg	€
400.4365	7 pcs Balancer shaft locking tool set for BMW	0,72	68,50

consists of:

		kg	€
400.3203	Balance shaft locking tool	100	
400.4366	Balance shaft aligning tool, 184 mm	80	
400.4367	Balance shaft aligning tool, 75 mm	90	
400.4368	Vibration damper holding tool with screws	400	

Special socket with special profile

- special profile
- ideally suited to operate the new central screw connection on the central valve of the camshaft adjuster
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Extra short execution
- replaces the old 6-sided screw connection
- For manual operation
- Matt finish
- Chrome vanadium

Application range: Central bolting of the Vanos unit for **BMW, Mini** and the CVT module for **Ford**



	Length mm	Ø mm		€
400.0002	30,0	30	103	20,90

Special socket with special profile

- special profile
- ideally suited to operate the new central screw connection on the central valve of the camshaft adjuster
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Extra short execution
- replaces the old 6-sided screw connection
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: Central bolting of the Vanos unit for **BMW, Mini** and the CVT module for **Ford**



	Length mm	Ø mm		€
400.0003	30,0	30	0,10	27,90

Crankshaft fixing tool for BMW / Mini

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: **BMW** 1 Series F20/F21 (2011 - 2015), 2 Series F22 (2014 - 2016), 3 Series E90/E91/E92/E93/F30/F31/F34 (2010 - 2016), 4 Series F33/F32/F36 (2013 - 2016), 5 Series F07/F10/F11 (2010 - 2017), X1 E84 (2009 - 2015), X3 F25 (2012 - 2014), X5 F15 (2014 - 2016), X5 F15 (2014 - 2016), Mini Clubman R55 (2010 - 2014), Clubvan R55 (2012 - 2014), Countryman R60 (2010 - 2017), Mini R56/R57 (2010 - 2015), Paceman R61 (2013 - 2017), Clubman R55 (2011 - 2014), Coupé R58 (2011 - 2015) and Roadster R59 (2012 - 2015) with 1.6 l and 2.0 l petrol engines (engine code: N47 C16U1 / N47 C16K1 / N47 C16A/U1 / N47 D16C / N47 D16 N47 / C20K1 / N47 C20U1 / N47 C20A/K1 / N47S D20B/D/T0 / N47 D20C/K1 / N47 D20C, N47 D20C/U1 / N47 D20C/O1 / N47 D20D / N47 D20D/T1 / N47T D20O1 / N47 D20C/O / N47 D20A / N47 D20C/O1 / N47 D20U0)



		€
400.4395	Crankshaft fixing tool for BMW / Mini	0,47 34,50

Crankshaft holding tool for BMW

- For the professional engine repair
- ideally suited for holding and locking the crankshaft of N47 and N57 diesel engines
- required when replacing the secondary drive chain
- Very high degree of accuracy

Application range: **BMW** 1 Series E81/E82/E87/E88 (>2007), F20/F21 (>2007), 3 Series E90/E91/E92/E93/F30/F31 (>2007), 5 Series E60/E61/F07/F10/F11 (>2007), X1/X3 E84/E83/F25 (>2007), 6 Series F06/F12/F13 (>2007), 7 Series F01/F02/F04 (>2007), X5 E70 (>2007), X6 E71/E72 (>2007) for 1.6 l, 2.0 l and 3.0 l diesel engines

(engine code: N47 D16 / N47 D16C / N47 / N47 D20A / N47 D20A/U0 / N47 D20A/K0 / N47 D20A/O0 / N47 D20C / N47 D20C/O1 / N47 D20C/K1 / N47 D20C/O / N47 D20C/O1 / N47 D20C/U1 / N47 D20D / N47 D20D/T1 / N47 D20O0 / N47 D20O1 / N47 D20U0 / N47S D20B/D/T0 / N47S D20D/T0 / N47T D20O1 / N47T D20U1 / N57 D30 / N57 D30A / N57 D30A/O0 / N57 D30A/O1 / N57 D30A/O0 / N57 D30B / N57 D30B/T0 / N57 D30B/T1 / N57 D30O0 / N57 D30O1 / N57 D30T0 / N57 D30TO / N57 D30U0 / N57 D30U0 / N57 D30C / N57 D30C/S1)



		€
400.4385	6 pcs Crankshaft holding tool for BMW	400 51,50

consists of:

		€
400.4386	Main plate	290
400.4387	Countersunk screw	95
400.4388	Adjusting screw M6 x 16 mm with nut and washer	4

Vibration damper holding screw set for BMW

- For clamping the crank shaft when loosening and tightening the crankshaft central screw
- Prevents slipping whilst holding
- With replaceable and tight-fit guide sleeves (Ø 57.0 / 59.5 / 60.5 mm)
- Minimal force required thanks to extra-long lever
- Matt finish
- Chrome vanadium

Application range: **BMW** 1 series (E81, E82, E87, E88), 3 series (E46, E90, E91, E92, E93), 5 series (E60, E61), X3 (E83) with 1.8 and 2.0 diesel engines when working on the timing drive of **BMW** M47 TU / TU2 engines with old and new vibration damper design



		€
911.1720	5 pcs Vibration damper holding screw set for BMW	4,60 217,50

consists of:

		€
911.1721	Extension pipe, 1000 mm	1,90
911.1722	Vibration damper holding wrench insert, 22.0 mm	1,40
911.1723	Guide sleeve, Ø 57.0 mm	0,38
911.1724	Guide sleeve, Ø 59.5 mm	0,44
911.1725	Guide sleeve, Ø 60.5 mm	0,48

Camshaft alignment tool for Opel / BMW / Mini

- For the professional engine repair
- ideally suited for locking the intake camshaft gear wheel
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

Application range: **Opel** Corsa E (>2015), **BMW** 1 Series (>2015), 2 Series (>2014), X1 (>2015), **Mini** One (>2014) for 1.3 l and 1.5 l diesel engines (engine code: LKU/B13DTE / LKU/B13DTR / LKV/B13DTC / B37 C15A / B367 D15A)



		€
400.0009	Camshaft alignment tool for Opel / BMW / Mini	400 130,50

Crank shaft locking tool set for BMW

- For the professional engine repair
- For fixing the crank shaft
- Secure fix
- Very high degree of accuracy

Application range: **BMW** E81/E82/E87/E88/E46/E60/E61/E83/E90/E91/E92/E93/E65/E66/E53/E70/E71/E72 (engine code: 20 4D 4, 30 6D 2, 30 6D 3, 30 6D 4, 30 6D 5)



		€
400.2375	2 pcs Crank shaft locking tool set for BMW	127 31,50

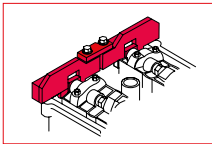
consists of:

		€
400.2376	Crankshaft timing tool 73 mm	52
400.2377	Crankshaft timing tool 78,5 mm	55

Engine Timing Tool Set for BMW

- For the professional engine repair
- Especially for chain-driven vehicles
- For locking twin-cam, dual cam shaft
- Very high degree of accuracy
- In durable steel storage case

Application range: for all **BMW** vehicles with petrol engines (engine code: M42 / M43 / M50 / M52 / M60) and diesel engines (engine code: M51)



			€
400.0125	3 pcs Engine Timing Tool Set for BMW	2,66	108,50

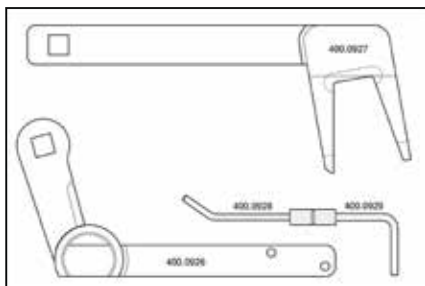
consists of:

400.0127	Camshaft locking tool exhaust (2)	900	
400.2351	Crankshaft TDC locking pin 130 mm	108	

Engine Timing Tool Set for BMW / Mini

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: BMW Mini One, Cooper, Cooper S with 1.6 petrol engines (engine code: W10816AA / W10816BA / W11816AA)



			€
400.0925	4 pcs Engine Timing Tool Set for BMW / Mini	2,03	262,50

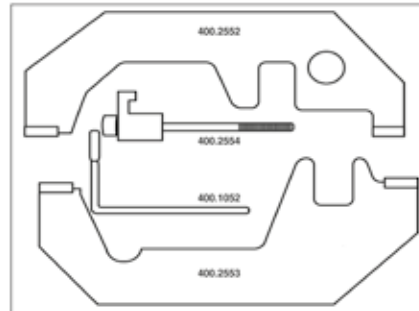
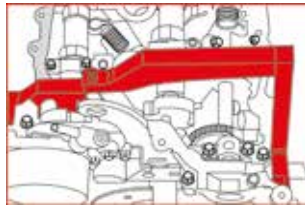
consists of:

400.0926	Serpentine belt tensioner	435	
400.0927	Camshaft pulley loosening tools	400	
400.0928	Tensioning locking pin, Ø 4 mm	15	
400.0929	Locking pin, Ø 4,5 mm	18	

Engine Timing Tool Set for BMW

- For the professional engine repair
- For chain-driven engines
- Very high degree of accuracy
- In durable steel storage case

Application range: BMW 5, 6, 7, X5 (engine code: N62 / N73)



			€
400.2550	4 pcs Engine Timing Tool Set for BMW	2,74	264,50

consists of:

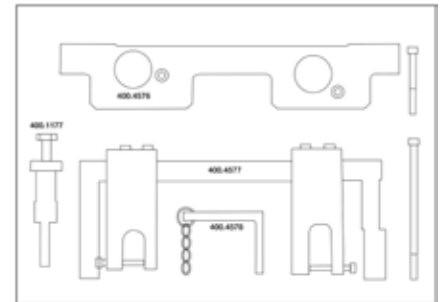
400.1052	Flywheel TDC locking pin Ø 8 mm	20	
400.2552	Camshaft setting tool (inlet)	698	
400.2553	Camshaft setting tool (exhaust)	783	
400.2554	Holding screw	105	



Engine adjustment tool set for BMW

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable plastic storage case

Application range: BMW 1 Series F20/F21 (2012 - 2014), 3 Series F30/F31 (2012 - 2014), 5 Series F10/F11 (2010 - 2014), X1 E84 (2011 - 2014), X3 F25 (2011 - 2014), Z4 E89 (2013 - 2013) with 2.0 l petrol engines (engine code: N20 B20A / N26 B20 / N20 B20B/U0 / N20 B20O0)



			€
400.4575	4 pcs Engine adjustment tool set for BMW	5,28	528,50

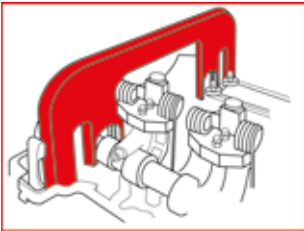
consists of:

400.4576	Alignment tool	0,74	
400.4577	Camshaft alignment bridge	3,12	
400.4578	Camshaft timing pin	0,07	
400.1177	Timing chain pre-tensioning tool Ø 10 mm x 22 mm, 115 mm	0,06	

Engine Timing Tool Set for BMW

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- For locking the cam shaft
- For changing the timing chain

Application range: BMW 323i, 325i, 523i, Z4, X3, 130i, 330i, 530i, 630i, 730i, 528i, X1, 125i, 525i, 740i, X6, 135i, 335i, 3.0 M Coupe with 2.3 / 2.8 / 3.0 / 3.5 / 4.0 engines (engine code: N52 B25A / N52 B25AE / N52 B25AF / N52 B25BE / N52 B25O1 / N52 B25O2 / N52 B30A / N52 B30AF / N52 B30O2 / N52 B30U1 / N52K B25A/O1 / N52K B25AE / N52K B25U1 / N52K B30A / N52K / B30A/O1 / N52K B30AE / N52K B30AF / N53 B25A / N53 B30A / N53 B30A/O0 / N53 B30UO / N54 B30A / N54 B30A/AA / N54 B30A/TO / N54 B30TO)



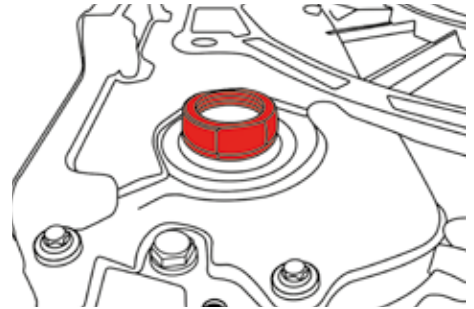
Engine adjustment tool set for BMW / Mini

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: BMW with 2.0 engines (2007-2010) (engine codes: N47 / N47S), **BMW Mini** Countryman, Clubman (>2007) (engine code: R55 / R56 / R57 / R60). Contains pumps / pulley wheels disassembly tool

consists of:

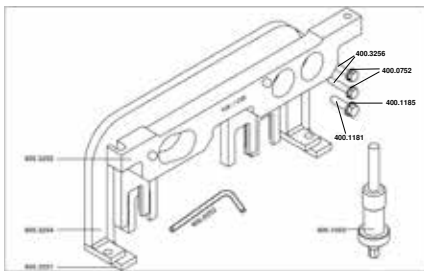
	X		g
400.0165	2	Camshaft locking pin 5.0 mm	19
400.2476	1	Flywheel locking pin, BMW-Mini	40
400.0580	1	Crankshaft locking pin Ø 8.0 mm, 70 mm	30
400.1185	2	Washer M6	1
400.3204	2	Screw 6 point M6x16mm	5



Engine adjustment tool set for BMW / Mini

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

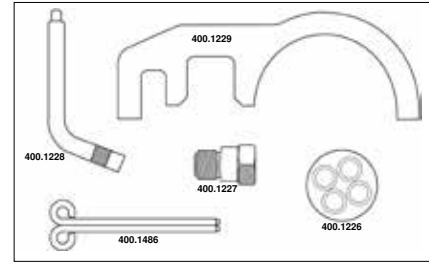
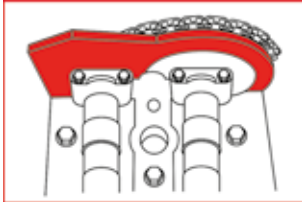
Application range: BMW 1 Series F20/F21 (2015 - 2017), 2 Series F22/F23/F45/F46 (2014 - 2017), 3 Series F30/F31/34 (2015 - 2017), 4 Series F32/F33/F36 (2015 - 2017), 5 Series F10/F11 (2014 - 2017), X1 F48 (2015 - 2017), X3 F25 (2014 - 2017), X4 F26 (2014 - 2017), X5 F15 (2015 - 2017), **Mini** Clubman F54 (2015 - 2017), Cabrio F57 (2016 - 2017) and Mini hatchback F55/F56 (2014 - 2017) with 1.5 l or 2.0 l diesel engines (engine code: B37 D15A / B37 C15A / B47 D20A / B47 D20B / B47 C20A / B47 / B47 C20B)



	X		g	€
400.3250	13 pcs	Engine Timing Tool Set for BMW	5,40	482,50

consists of:

	X		g
400.0253	1	Locking pin Ø 8.0 mm	41
400.0752	2	Washers M8	1
400.1053	1	Timing chain pre-tensioning tool Ø 10 mm x 21 mm, 130 mm	219
400.1181	2	Bolt M6x30	8
400.1185	2	Washer M6	1
400.3251	1	Camshaft alignment tool 280 mm	1396
400.3252	1	Camshaft VANOS sensor alignment tool	527
400.3254	1	Camshaft alignment tool 285 mm	1518
400.3256	1	Adjusting screw M7x20mm, 2 pcs	8



	X		g	€
400.1225	6 pcs	Engine adjustment tool set for BMW / Mini	1,91	130,50

consists of:

		g
400.1226	Crankshaft pulley turning tool	183
400.1227	High pressure pump sprocket removal tool	89
400.1228	Flywheel plate timing pin	109
400.1229	Camshaft alignment tool Ø 93 mm	242
400.1486	Tensioner locking pin (2)	29

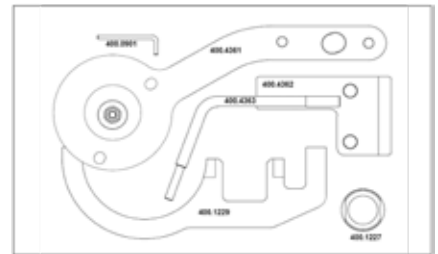
Engine Timing Tool Set for BMW / Mini

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: BMW Mini with 16V engines (engine code: W16D)



	X		g	€
400.2475	8 pcs	Engine Timing Tool Set for BMW / Mini	126	75,90



	X		g	€
400.4360	6 pcs	Engine adjustment tool set for BMW / Mini	980	177,90

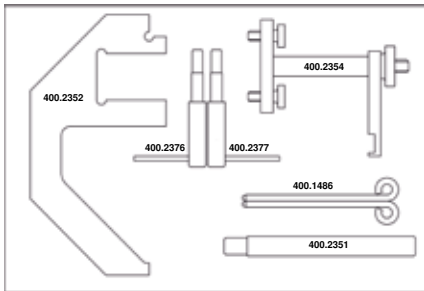
consists of:

		g
400.0901	Tensioning locking pin, 45 mm	4
400.4361	Crankshaft holding tool	320
400.4362	A/T Drive plate timing pin adaptor	490
400.4363	Flywheel drive plate timing pin	70
400.1227	High pressure pump sprocket removal tool	89
400.1229	Camshaft alignment tool Ø 93 mm	242

Engine Timing Tool Kit for BMW / Land Rover / Rover

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt or the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: BMW 1, 3, 5, X3, Land Rover Freelander, Rover 75 (engine code: M47)



			€
400.2350	7 pcs Engine Timing Tool Kit for BMW / Land Rover / Rover	1,03	134,90

consists of:

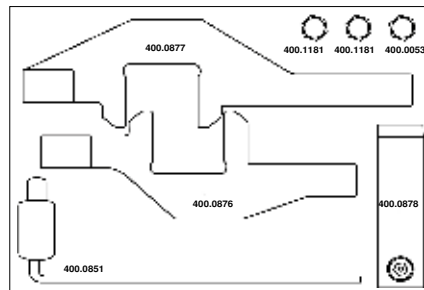
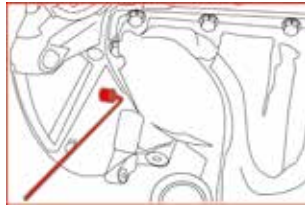
			€
400.2351	Crankshaft TDC locking pin 130 mm	108	
400.2352	Camshaft locking tool 167 x 90 mm	461	
400.2354	Camshaft locking holding tool	240	
400.1486	Tensioner locking pin (2)	29	
400.2376	Crankshaft timing tool 73 mm	52	
400.2377	Crankshaft timing tool 78,5 mm	55	



Engine Timing Tool Kit for BMW / Mini / PSA

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- For locking the cam shaft
- For changing the timing chain

Application range: BMW Mini with 1.6 engines (engine code: N14 / R56), Peugeot 207, 308 with 1.6 engines (engine code: EP6 / EP6DT / DTS), Citroën with 1.6 engines (engine code: EP6 / EP6DT / DTS)



			€
400.0875	7 pcs Engine Timing Tool Kit for BMW / Mini / PSA	1,49	215,50

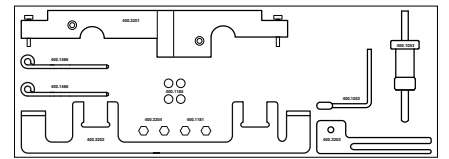
consists of:

	X		€
400.0053	1 Screw M6 x 20,0 mm	6	
400.0851	1 Crankshaft locking pin Ø 8 mm	52	
400.0876	1 Camshaft alignment tool (inlet)	270	
400.0877	1 Camshaft alignment tool (exhaust)	423	
400.0878	1 Support clamp	93	
400.1181	2 Bolt M6x30	8	

Engine Timing Tool Set for BMW

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- For locking the cam shaft
- For changing the timing chain

Application range: BMW with 1.6 / 2.0 engines (>2006) (engine codes: N43 / B126A/AA / B16AA / B20KO / B20AY / B20A / B16AA/OO / B20AY / B20UO / B20A / B20A/AA)



			€
400.3200	13 pcs Engine Timing Tool Set for BMW	3,09	250,50

consists of:

	X		€
400.1052	1 Flywheel TDC locking pin Ø 8 mm	20	
400.1053	1 Timing chain pre-tensioning tool Ø 10 mm x 21 mm, 130 mm	219	
400.1181	2 Bolt M6x30	8	
400.1185	4 Washer M6	1	
400.1486	1 Tensioner locking pin (2)	29	
400.3201	1 VANOS Sensor alignment tool	457	
400.3202	1 Camshaft alignment tool 268 mm	683	
400.3203	1 Balance shaft locking tool	100	
400.3204	2 Screw 6 point M6x16mm	5	

Engine Timing Tool Set for BMW / Mini / PSA

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy

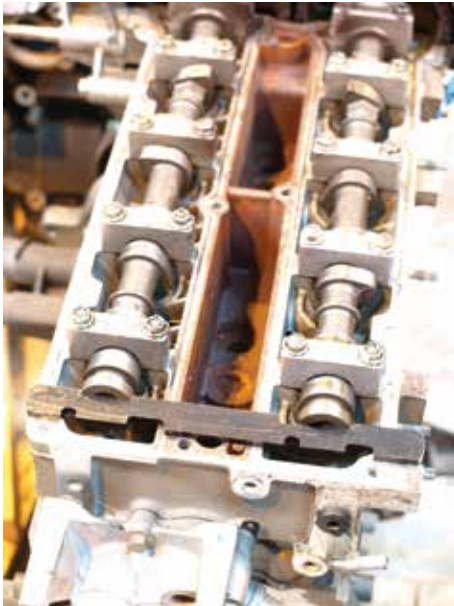
Application range: BMW Mini with 1.4 / 1.6 Valvetronic engines (engine code: N12), Peugeot 207, 308 with 1.4 / 1.6 engines (engine code: EP3 / EP6), Citroën with 1.4 / 1.6 engines (engine code: EP3 / EP6)



			€
400.0850	7 pcs Engine Timing Tool Set for BMW / Mini / PSA	1,40	232,50

consists of:

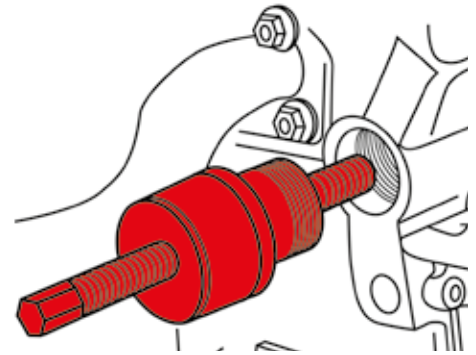
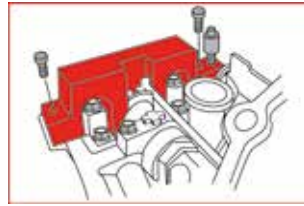
	X		€
400.0851	1 Crankshaft locking pin Ø 8 mm	52	
400.0852	1 Camshaft locking tool inlet (2)	812	
400.0853	1 Camshaft locking tool (EX)	358	
400.1181	3 Bolt M6x30	8	



Engine Timing Tool Set for BMW

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- For locking the cam shaft
- For changing the timing chain

Application range: BMW (E81/E87) 116i 316i, (E46/E40) 316Ci, (E46) 316Ti with 1.6 engines (engine code: N40 / N45 / N45T)



Engine adjustment tool set for BMW

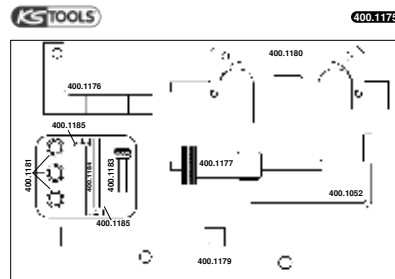
- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable plastic storage case

Application range: BMW 3 Series M3 E46 (>2000), Z3 E36 (>2000) and Z4 E85/86 (>2006) with 3.2 l petrol engines (engine code: S54 (32-6S-4))

Engine Timing Tool Set for BMW

- For the professional engine repair
- Expansion set for use in connection with 400.0125
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

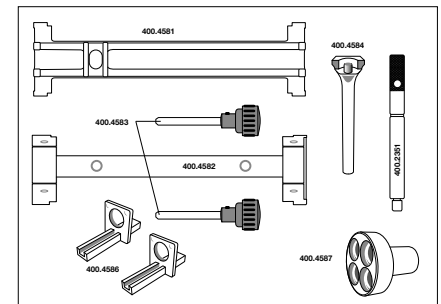
Application range: BMW 528i, X5, E46, Z3, Z4, 325, 525 (engine code: M52 / M54 / M56 / 22 6S1 / 25 6S5 / 30 6S3). Contains a setting gauge from the double VANOS



			€
400.1175	14 pcs Engine Timing Tool Set for BMW	2,70	245,50

consists of:

400.1052	Flywheel TDC locking pin Ø 8 mm	20	
400.1176	Camshaft locking tool (inlet)	278	
400.1177	Timing chain pre-tensioning tool Ø 10 mm x 22 mm, 115 mm	55	
400.1179	VANOS sensor setting tool	301	
400.1180	Camshaft alignment tool (exhaust)	671	
400.1181	Bolt M6x30	8	
400.1183	Camshaft alignment tool bolt M8 x 25 mm	15	
400.1184	Locking screw set M6 x 55 mm, 2 pcs	11	
400.1185	Washer M6	1	



			€
400.4580	9 pcs Engine adjustment tool set for BMW	2,81	542,50

consists of:

	X			
400.4581	1	Valve timing check tool	304	
400.4582	1	Camshaft locking tool	570	
400.4583	2	Camshaft setting tool pins	40	
400.4584	1	VANOS alignment lever	44	
400.2351	1	Crankshaft TDC locking pin 130 mm	108	
400.4586	2	VANOS spacers	4	
400.4587	1	Crankshaft turning tool	269	



			€
400.1075	7 pcs Engine Timing Tool Set for BMW	3,56	625,90

consists of:

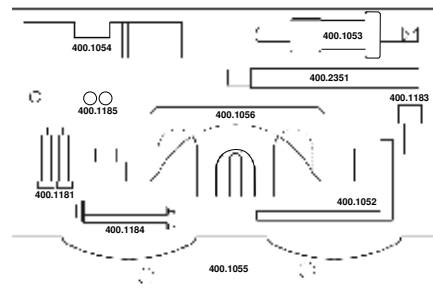
400.0480	Primary timing chain pre-load pin (3)	112	
400.0482	Tensioner locking pin set, 72 mm	3	
400.1078	Camshaft timing setting tool VANOS	972	
400.1079	Flywheel sprocket alignment tool 197 mm	806	
400.1080	Pneumatic connector	37	



Engine Timing Tool Set for BMW

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

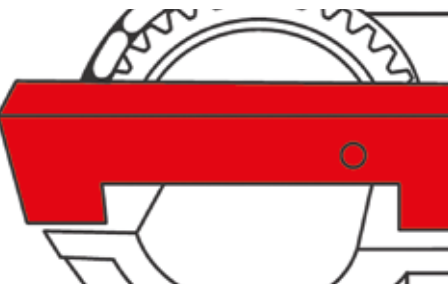
Application range: BMW (E46) 316, 316ti Compact (engine code: N42 B18A / N46 B18), (E46) 318i, 318ti Compact (engine code: M42 B20A / N46 B18 / N46 B20), (E81/82/87) 118i, 120i (engine code: N46 B20B / N46T B20), (E90/91/92/93) 318i, 320i. (engine code: N46 B18B / N46 B20B), (E85) Z4 2.0 (engine code: N46 B20), (E83) X3 2.0 (engine code: N46 B20B)



Part No.	Description	Qty	Price (€)
400.1050	10 pcs Engine Timing Tool Set for BMW	2,10	256,90

consists of:

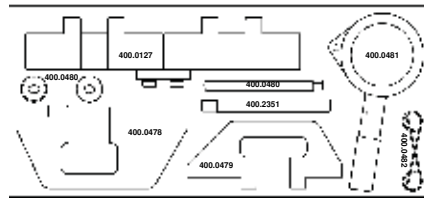
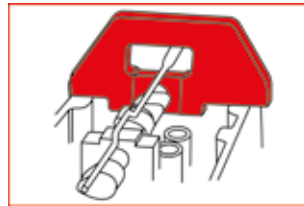
Part No.	Description	Qty
400.1052	Flywheel TDC locking pin Ø 8 mm	20
400.1053	Timing chain pre-tensioning tool Ø 10 mm x 21 mm, 130 mm	219
400.1054	Camshaft alignment tool (inlet)	262
400.1055	Sensor gear alignment tool	332
400.1056	Camshaft alignment tool exhaust	677
400.2351	Crankshaft TDC locking pin 130 mm	108
400.1181	Bolt M6x30	8
400.1184	Locking screw set M6 x 55 mm, 2 pcs	11
400.1185	Washer M6	1
400.1183	Camshaft alignment tool bolt M8 x 25 mm	15



Engine Timing Tool Set for BMW

- For the professional engine repair
- Especially for chain-driven vehicles
- For locking the crank shaft or cam shaft
- Ideal for the installation and removal of the VANOS unit
- Suitable for tensioning the chain
- Very high degree of accuracy
- In durable steel storage case

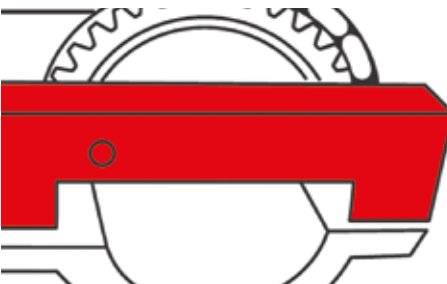
Application range: for all BMW vehicles with petrol engines (engine code: M42 / M43 / M50 / M52 / M60) and diesel engines (engine code: M51). Contains a special wrench for controlling the turn of the exhaust cam shaft pinion when removing and installing the VANOS unit. There is also a tensioning tool included for tensioning the timing chain.



Part No.	Description	Qty	Price (€)
400.0475	11 pcs Engine Timing Tool Set for BMW	4,08	326,50

consists of:

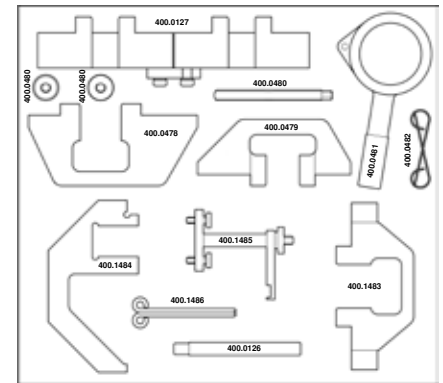
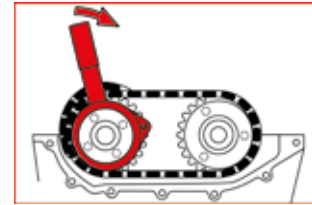
X	Description	Qty
400.0127	1 Camshaft locking tool exhaust (2)	900
400.0478	1 Camshaft locking tool 165 x 80 mm	854
400.0479	1 Camshaft locking tool 150 x 64 mm	425
400.0480	1 Primary timing chain pre-load pin (3)	112
400.0481	1 VANOS unit engagement wrench	357
400.0482	2 Tensioner locking pin set, 72 mm	3
400.2351	1 Crankshaft TDC locking pin 130 mm	108



Engine Timing Tool Set for BMW

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- Especially for chain-driven engines

Application range: BMW 3, 5, 7, X3, X5, Z3, Z4, 8 (E20, E28, E31, E32, E34, E36, E38, E46, E53, E65, E66, E83, E84) with petrol and diesel engines



Part No.	Description	Qty	Price (€)
400.1475	16 pcs Engine Timing Tool Set for BMW	5,32	569,90

consists of:

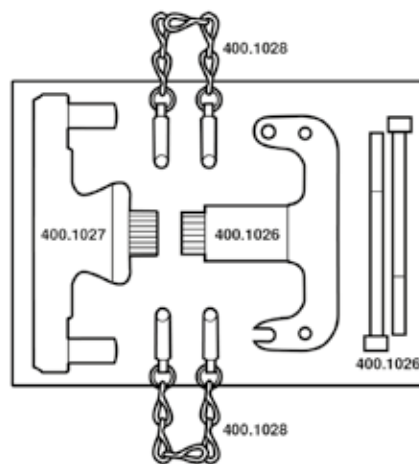
X	Description	Qty
400.0127	1 Camshaft locking tool exhaust (2)	900
400.0478	1 Camshaft locking tool 165 x 80 mm	854
400.0479	1 Camshaft locking tool 150 x 64 mm	425
400.0480	1 Primary timing chain pre-load pin (3)	112
400.0481	1 VANOS unit engagement wrench	357
400.0482	2 Tensioner locking pin set, 72 mm	3
400.1483	1 Camshaft locking tool 161 mm	731
400.1484	1 Camshaft locking tool 166 x 87 mm	468
400.1486	1 Tensioner locking pin (2)	29
400.2351	1 Crankshaft TDC locking pin 130 mm	108
400.2354	1 Camshaft locking holding tool	240

CHRYSLER

Engine Timing Tool Kit for Chrysler / Mercedes

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Mercedes vehicles with 2.2 / 2.7 CRD engines, Chrysler PT Cruiser with 2.2 CRD engines, Jeep Grand Cherokee with 2.7 CRD engines



		kg	€
400.1025	6 pcs Engine Timing Tool Kit for Chrysler / Mercedes	1,46	173,50

consists of:

		kg	€
400.1026	Flywheel locking tool (3) 105 mm	197	
400.1027	Flywheel locking tool 125 mm	436	
400.1028	Camshaft locking tool (2) Ø 6 mm	36	

Engine Timing Tool Set for Chrysler

- For the professional engine repair
- Very high degree of accuracy
- For locking the cam shaft

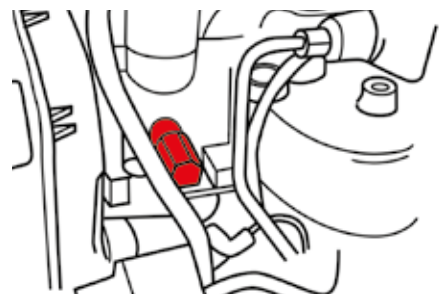
Application range: Chrysler Voyager, Grand Voyager with 2.5 CRD Common-Rail Diesel engines (engine code: R2516C / R2516I)



		kg	€
400.2450	8 pcs Engine Timing Tool Set for Chrysler	514	109,50

consists of:

		kg	€
400.2451	Flywheel locking pin 105 mm	35	
400.2452	Flywheel locking pin 85 mm	420	
400.2453	Camshaft locking pin (inlet)	89	
400.2454	Camshaft locking pin (exhaust)	30	
400.2455	Camshaft belt holding tool	7	
400.2456	Flywheel locking pin, 2.8 mm before 2006	50	
400.2457	Flywheel locking pin, 2.8 mm after 2007	50	
400.9008	Automatic pulley wrench for pin-type face, 140mm	206	



Flywheel Pegging Tool Set for Chrysler / Jeep

- ideal for fixing the flywheel
- Simple handling
- for use with 400.2450 Engine Timing Tool Set for Chrysler
- Special tool steel

Application range: Chrysler / Jeep Cherokee (2001 - 2008) with 2.5 l and 2.8 l diesel engines



		kg	€
400.4405	2 pcs Flywheel Pegging Tool Set for Chrysler / Jeep	72	20,50

consists of:

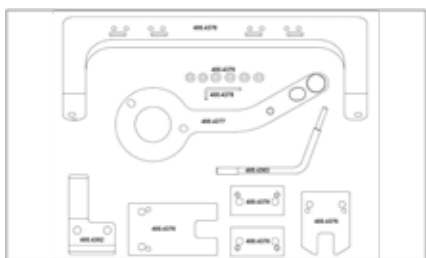
		kg	€
400.4406	Flywheel Pegging Tool, 2.5 l	35	
400.4407	Flywheel Pegging Tool, 2.8 l	35	



Engine Timing Tool Set for BMW / Mini

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: BMW 1 Series F20/F21 (2015 - 2017), 2 Series F22/F23/F45/F46 (2014 - 2017), 3 Series F30/F31/34/36 (2015 - 2017), 4 Series F32/F33/F36 (2015 - 2017), 7 Series G11/G12 (2015 - 2017), i8 I112 (2014 - 2017), X1 F48 (2015 - 2017), Mini Clubman F54 (2015 - 2017), Cabrio F57 (2016 - 2017) and Mini Schrägheck F55/F56 (2014 - 2017) with 1.2 l, 1.5 l, 2.0 l and 3.0 l petrol engines (engine code: B38 A12A / B38 B15A / B38 A15A / B38 K15A / B48 B20A / B48 B20B / B48 A20A / B48 A20B / B48 / B58 B30A)



		kg	€
400.4375	5 pcs Engine Timing Tool Set for BMW / Mini	4,68	309,50

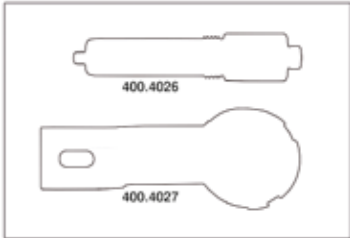
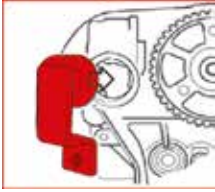
consists of:

		kg	€
400.4376	Camshaft alignment tool with screws	1,94	
400.4377	Crankshaft holding tool	0,21	
400.4362	A/T Drive plate timing pin adaptor	0,49	
400.4363	Flywheel drive plate timing pin	0,07	
400.4378	Locking pin for spanner	0,01	

Engine Timing Tool Set for Chrysler

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: **Jeep** Cherokee (2008-2011) with 2.8 CRD (engine code: ENS(51C), **Chrysler** Grand Voyager (2008-2011) (engine code: VM64C)



			€
400.4025	2 pcs Engine Timing Tool Set for Chrysler	500	59,90

consists of:

			€
400.4026	Crankshaft locking tool 106 mm	160	
400.4027	Camshaft locking tool 102 mm	340	

Riveting tool for timing chains for Mercedes / Chrysler / Jeep

- For the professional engine repair
- For mounting and dismounting the timing chain
- Provisional chain links facilitate installation
- Very high degree of accuracy
- Special tool steel

Application range: **Mercedes** 1.7 D, 2.1 D, 2.2 D, 2.7 D, 3.0 D, 3.2 D, 3.9 D, 4.0 CDI, **Chrysler** and **Jeep** 2.2 D, 2.7 D, 3.0 CRD



			€
400.4605	17 pcs Riveting tool for timing chains for Mercedes / Chrysler / Jeep	2,90	418,50

consists of:

		X		€
400.4606	1	Press-out tool for chain links	900	
400.4607	1	Press-in tool for chain links	950	
400.4608	1	Die for fixing	46	
400.4609	1	Die for flanging and pressing	62	
400.4610	1	Die jaw for flanging or pressing	62	
400.4611	1	Die for fixing	70	
400.4612	2	Press-out pin for chain link, Ø 2.75 mm	3	
400.4613	1	Mounting element set (provisional)	20	
400.4614	1	Die for fixing	52	
400.4615	1	Chain link press-out spindle	106	
400.4616	1	Einzugsglied set (provisional)	14	
400.4617	1	Fixing screw for die	5	
400.4618	1	Dies for fixing	46	
400.4619	1	Dies for fixing	66	
400.4621	2	Press-out pin for chain link, Ø 4.0 mm	5	

CITROËN

High pressure fuel pump alignment mandrel for PSA

- For the professional engine repair
- Ideally suited for aligning the high-pressure fuel pump at Citroën and Peugeot with Blue Technology
- Simple handling
- Very high degree of accuracy

Application range: **Citroën** Berlingo III (2014 - 2017), C3 (2014 - 2017), C4 (2014 - 2017), C4 Picasso/Grand Picasso II (2014 - 2017), C-Elysee (2014 - 2017), DS3/DS3 Convertible (2014 - 2015), DS4 (2014 - 2015), DS5 (2014 - 2015), **Peugeot** 2008 (2014 - 2017), 208 (2014 - 2017), 3008 (2014 - 2016), 301 (2014 - 2017), 308 (2014 - 2017), 5008 (2014 - 2017), 508 (2014 - 2017), Partner III (2014 - 2017) for 1.6 l diesel engines (engine code: BHW (DV6FE) / BHY (DV6FD) / BHZ (DV6FC) / BHX (DV6FC) / DV6FC (BHX) / DV6FC (BHZ) / DV6FD (BHY) / DV6FE (BHW) / DV6FD)

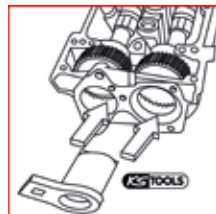


			€
400.0011	High pressure fuel pump alignment mandrel for PSA	30	13,90

Camshaft locking tool for PSA

- For the professional engine repair
- To counter hold when loosening and tightening the cam shaft wheel screws
- Square drive 1/2"
- Very high degree of accuracy

Application range: **Citroën, Peugeot, Fiat, Ford, Alfa Romeo** with 1.3 JTD engines

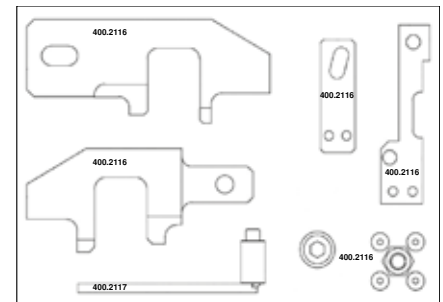


			€
400.2429	Camshaft locking tool for PSA	485	37,50

Engine Timing Tool Set for PSA

- For the professional engine repair
- For blocking the cam and crank shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

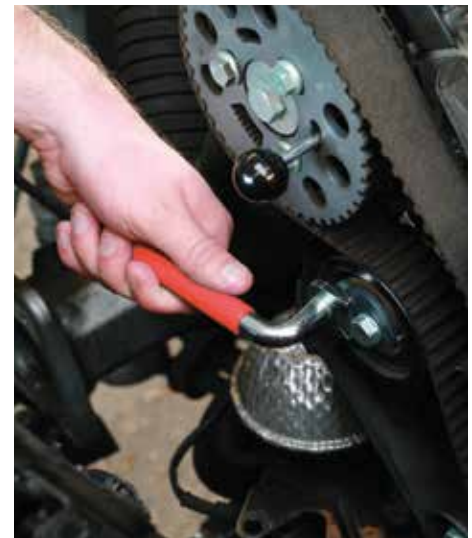
Application range: **Citroën, Peugeot** with 1.0 and 1.2 petrol engines (engine code: ZMZ (EBO)/HMZ (EB2)/HMY (EB2M)/EB2 (HMZ)/EBO (ZMZ)/EB2 (HMW)/EB2DTS (HNY)



			€
400.2115	11 pcs Engine Timing Tool Set for PSA	1,99	212,90

consists of:

			€
400.2116	Cam shaft adjustment tool	0,74	
400.2117	Crank shaft locking pin, 105 mm	0,07	



Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot

- For the professional engine repair
- For locking the cam shaft
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Land Rover Discovery (2009 – 2015), Discovery Sport (2009 – 2015), Freelander 2 (2009 – 2015), eD4 (2009 – 2015), TD4 (2009 – 2015), TD4e (2009 - 2015), Citroën C5 (2002 – 2015), C5 II (2002 – 2015), C5 III (2002 – 2015), C6 (2002 – 2015), C8 (2002 – 2015), C-Crosse (2002 - 2015), Mitsubishi Outlander DI-D (2007 – 2013), DI-DC (2007-2013), Peugeot 4007 (2000 – 2015), 407 (2000- 2015), 607 (2000 – 2015), 807 (2000 – 2015), 406 (2000 – 2015), 508 (2000 – 2015), 607 (2000 – 2015), GT (2000-2015), Ford Galaxy (2008 - 2015), Mondeo (2008 - 2015), S-Max (2008 - 2015) for 2.1 diesel engines (engine codes: 224DT / DW12CTED4 224DT / DW12BTED4 224DT /4HX (DW12CTED4) / 4HP (DW12BTED4) / 4HX (DW12TED4) / 4HW (DW12TED4/L4) / 4HK, 4HN / DW12MTED4 (4HK) / DW12MTED4 (4HN) / DW12BTED4 (4HP) / DW12BTED4 (4HR) / DW12BTED4 (4HT) / DW12TED4/L4 (4HW) / DW12BTED4 (4HS) / DW12ATED (4HZ) / DW12ATED4 (4HX) / DW12ATED (4HZ) / DW12CTED4 (4HL), KNBB, KNBA, KNWA, Q4BA)



			kg	€
400.4450	3 pcs	Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot	680	83,50

consists of:

			kg	€
400.4451		Balance shaft locking tool	190	
400.4452		Balance shaft tool	140	
400.4453		Balance shaft adjustment tool	230	

Engine Timing Tool Set for Citroën / Fiat

- For the professional engine repair
- For locking the cam shaft and the diesel pump
- Very high degree of accuracy

Application range: Citroën C15, Relais, Visa, Xantia, XM, Xsara, ZW, Fiat Ducato, Scudo, Ulysse



			kg	€
400.1700	4 pcs	Engine Timing Tool Set for Citroën / Fiat	199	7,50

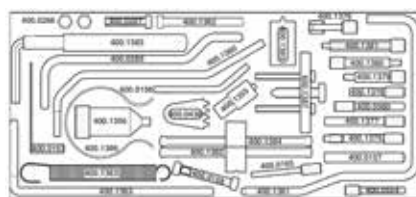
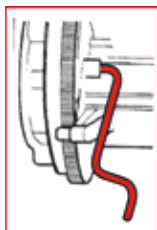
consists of:

			kg	€
400.0285		Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286		Screw M8 x 35 mm (2)	16	
400.0287		Screw M8 x 40,0 mm	18	

Engine Timing Tool Set for PSA

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- For changing the timing belt

Application range: Citroën, Peugeot vehicles with HPI and HDI engines



			kg	€
400.1650	39 pcs	Engine Timing Tool Set for PSA	2,17	315,90

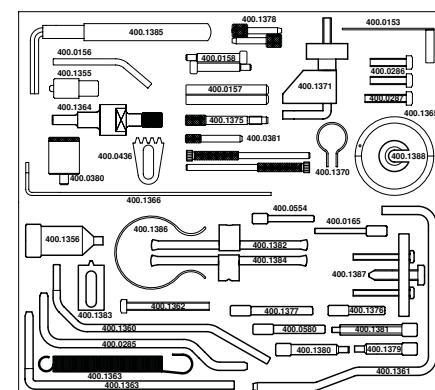
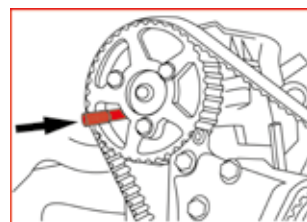
consists of:

	X		kg	€
400.0153	1	Tensioner adjuster, square 8.0 mm	6	
400.0156	1	Crankshaft timing pin Ø 6,0 mm	23	
400.0157	1	Crankshaft locking pin Ø 10.0 mm, short (2)	120	
400.0158	1	Crankshaft locking pin (2) Ø 8,5 mm	30	
400.0165	2	Camshaft locking pin 5.0 mm	19	
400.0285	1	Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286	1	Screw M8 x 35 mm (2)	16	
400.0287	1	Screw M8 x 40,0 mm	18	
400.0436	1	Flywheel locking tool, 28 x 45 mm	135	
400.0554	1	Locking pin Ø 6.0 mm	19	
400.0580	1	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.1355	1	Flywheel locking pin	80	
400.1356	1	Flywheel locking tool Ø 8 mm x 28 mm	252	
400.1360	1	Flywheel locking tool Ø 7 mm	82	
400.1361	1	Flywheel locking tool Ø 8 mm	146	
400.1362	1	Locking screw M8 x 80.0 mm	31	
400.1363	1	Flywheel locking pin with spring (2)	126	
400.1375	1	Injection pump timing pin, M8	32	
400.1376	1	Camshaft locking pin Ø 8 mm	24	
400.1377	1	Tensioning locking pin Ø 8 mm	35	
400.1378	1	Camshaft locking pin (2) Ø 6 mm	21	
400.1379	1	Camshaft locking pin Ø 6 mm	37	
400.1380	1	Camshaft locking pin, 71,0 mm	43	
400.1381	1	Camshaft locking pin (VTC)	50	
400.1382	1	Tensioner adjuster Ø 9 mm, 155 x 30 mm	115	
400.1383	1	Flywheel locking tool 50 mm	30	
400.1384	1	Tensioner adjuster Ø 9 mm, 155 x 20 mm	118	
400.1385	1	Tensioner adjuster, hex 8.0 mm	177	
400.1386	1	Belt retaining tool, Ø 70 mm	50	
400.1387	1	Crankshaft pulley remover (4)	153	

Engine Timing Tool Set for PSA

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: PSA vehicles including 2nd generation with EW 16V and 2.5 / 2.7 / 2.8 diesel engines



			kg	€
400.1350	49 pcs	Engine Timing Tool Set for PSA	5,93	469,90

consists of:

	X		kg	€
400.0153	1	Tensioner adjuster, square 8.0 mm	6	
400.0156	1	Crankshaft timing pin Ø 6,0 mm	23	
400.0157	1	Crankshaft locking pin Ø 10.0 mm, short (2)	120	
400.0158	1	Crankshaft locking pin (2) Ø 8,5 mm	30	
400.0165	1	Camshaft locking pin 5.0 mm	19	
400.0285	1	Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286	1	Screw M8 x 35 mm (2)	16	
400.0287	1	Screw M8 x 40,0 mm	18	
400.0377	1	Camshaft sprocket locking pin (2)	68	
400.0380	1	Flywheel locking tool Ø 30 mm	222	
400.0381	1	Coolant Pump tensioning locking pin	30	
400.0436	1	Flywheel locking tool, 28 x 45 mm	135	
400.0554	2	Locking pin Ø 6.0 mm	19	

consists of:

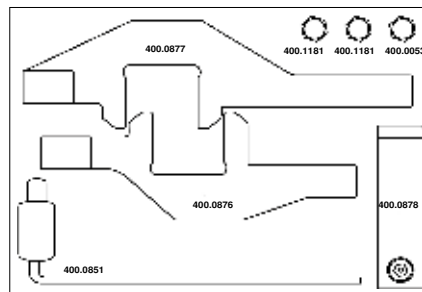
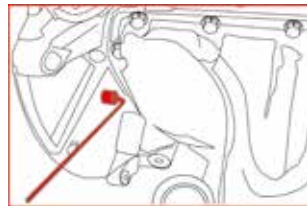
	X		
400.0580	1	Crankshaft locking pin Ø 8,0 mm, 70 mm	30
400.1355	1	Flywheel locking pin	80
400.1356	1	Flywheel locking tool Ø 8 mm x 28 mm	252
400.1360	1	Flywheel locking tool Ø 7 mm	82
400.1361	1	Flywheel locking tool Ø 8 mm	146
400.1362	1	Locking screw M8 x 80,0 mm	31
400.1363	1	Flywheel locking pin with spring (2)	126
400.1364	1	Flywheel locking pin Ø 9 mm x 15 mm	215
400.1365	1	Tensioner pulley adjusting tool	330
400.1366	1	Tensioner adjuster, square, 4,0 mm	44
400.1370	1	Crankshaft sprocket centraliser	2
400.1371	1	Belt retaining tool Ø 25 mm	99
400.1375	1	Injection pump timing pin, M8	32
400.1376	1	Camshaft locking pin Ø 8 mm	24
400.1377	1	Tensioning locking pin Ø 8 mm	35
400.1378	1	Camshaft locking pin (2) Ø 6 mm	21
400.1379	1	Camshaft locking pin Ø 6 mm	37
400.1380	1	Camshaft locking pin, 71,0 mm	43
400.1381	1	Camshaft locking pin (VTC)	50
400.1382	1	Tensioner adjuster Ø 9 mm, 155 x 30 mm	115
400.1383	1	Flywheel locking tool 50 mm	30
400.1384	1	Tensioner adjuster Ø 9 mm, 155 x 20 mm	118
400.1385	1	Tensioner adjuster, hex 8,0 mm	177
400.1386	1	Belt retaining tool, Ø 70 mm	50
400.1387	1	Crankshaft pulley remover (4)	153
400.1388	1	Tensioner adjuster Ø 30 mm	41



Engine Timing Tool Kit for BMW / Mini / PSA

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- For locking the cam shaft
- For changing the timing chain

Application range: BMW Mini with 1.6 engines (engine code: N14 / R56), Peugeot 207, 308 with 1.6 engines (engine code: EP6 / EP6DT / DTS), Citroën with 1.6 engines (engine code: EP6 / EP6DT / DTS)



400.0875	7 pcs	Engine Timing Tool Kit for BMW / Mini / PSA	1,49 € 215,50

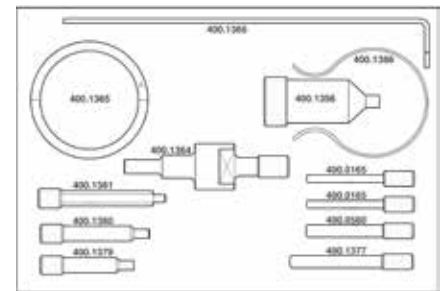
consists of:

	X		
400.0851	1	Crankshaft locking pin Ø 8 mm	52
400.0878	1	Support clamp	93
400.0877	1	Camshaft alignment tool (exhaust)	423
400.0876	1	Camshaft alignment tool (inlet)	270
400.1181	1	Bolt M6x30	8
400.0053	1	Screw M6 x 20,0 mm	6

Engine adjustment tool set for PSA

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Citroën Xsara, Picasso, C5, C4, Evasion, Synergie, C8, Jumpy, Dispatch, Peugeot 206, 307, 406, 607, 806, 807, Expert (engine code: EW12J4(3FC) / EW10D-HPI(RLZ) / EW10J4S(RFK) / EW10J4(RFN/RFR) / EW7J4(6FZ)



400.1750	12 pcs	Engine adjustment tool set for PSA	1,26 € 173,50

consists of:

	X		
400.0165	2	Camshaft locking pin 5,0 mm	19
400.0580	1	Crankshaft locking pin Ø 8,0 mm, 70 mm	30
400.1356	1	Flywheel locking tool Ø 8 mm x 28 mm	252
400.1364	1	Flywheel locking pin Ø 9 mm x 15 mm	215
400.1365	1	Tensioner pulley adjusting tool	330
400.1366	1	Tensioner adjuster, square, 4,0 mm	44
400.1377	1	Tensioning locking pin Ø 8 mm	35
400.1379	1	Camshaft locking pin Ø 6 mm	37
400.1380	1	Camshaft locking pin, 71,0 mm	43
400.1381	1	Camshaft locking pin (VTC)	50
400.1386	1	Belt retaining tool, Ø 70 mm	50

Engine Timing Tool Kit for Fiat / Iveco / PSA

- For the professional engine repair
- For locking the cam shaft or fly wheels
- Very high degree of accuracy
- In durable steel storage case

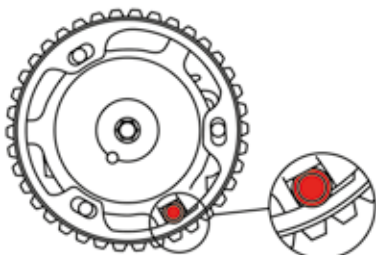
Application range: Fiat Ducato 2.8 TD, JTD, Iveco 2.8 D, TDI, Citroën Relay, Jumper, Peugeot Boxer, Boxer II (engine code: 8140,43 / 8140.43N / 8140.43S / 8140,63)



400.3000	5 pcs	Engine Timing Tool Kit for Fiat / Iveco / PSA	200 € 59,90

consists of:

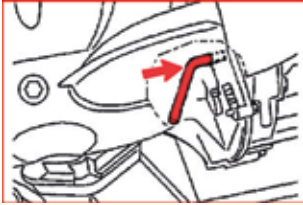
	X		
400.0165	2	Camshaft locking pin 5,0 mm	19
400.1377	1	Tensioning locking pin Ø 8 mm	35
400.1388	1	Tensioner adjuster Ø 30 mm	41
400.3001	1	Flywheel holding tool, 45 mm	106



Crankshaft locking tool set for PSA

- For the professional engine repair
- For fixing the crank shaft
- Contains special square wrench for adjusting the timing belt on the automatic pulley
- For changing the timing belt
- Secure hold for changing the timing belt or engine repairs
- Very high degree of accuracy

Application range: Citroën AX with 1.0/1.1 and 1.4 engines, BX 16, BX 19, BX 16 valve, Peugeot 106, 205, 405 with 1.0/1.1 and 1.4 engines, Peugeot 205, 305, 309, 405 with 1.6 and 1.9 engines, 309 GTI, 405 Mi1,6



400.0200	6 pcs	Crankshaft locking tool set for PSA	235	24,90

consists of:

400.0153	Tensioner adjuster, square 8.0 mm	6		
400.0156	Crankshaft timing pin Ø 6.0 mm	23		
400.0157	Crankshaft locking pin Ø 10.0 mm, short (2)	120		
400.0158	Crankshaft locking pin (2) Ø 8,5 mm	30		

Valve spring compressor for PSA

- For the professional engine repair
- For retaining the valve springs
- Universal usage
- Includes 8 screws with pressure cone and 2 locking screws
- Chrome vanadium
- Very high degree of accuracy

Application range: Citroën Berlingo, Xsara petrol engines with 1.0, 1.1, 1.4, 1.6L, and Peugeot 106, 205, 206, 306, 307, 405 with petrol engines

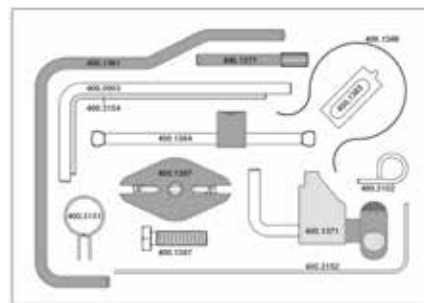
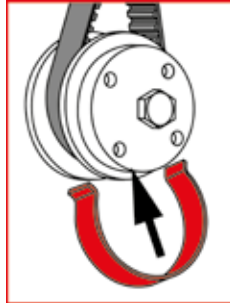


	Suitable for	Length mm		
400.9001	PSA	390,0	3,80	109,50

Engine Timing Tool Kit for Fiat / PSA

- For the professional engine repair
- For adjusting the valve controls
- For twin cam shaft systems with timing belt/chain combinations
- Very high degree of accuracy
- In durable steel storage case

Application range: Citroën and Fiat with 2.0 / 2.2 SOHC and DOHC engines (engine code: DW10 / DW12)



400.3150	15 pcs	Engine Timing Tool Kit for Fiat / PSA	814	186,50

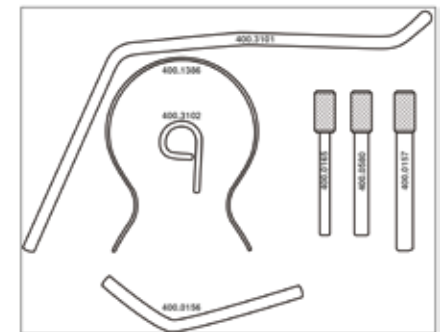
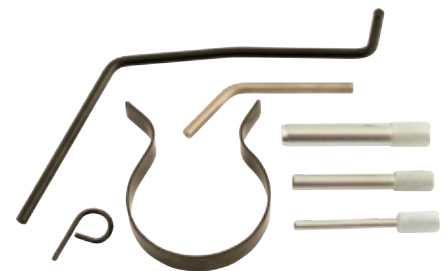
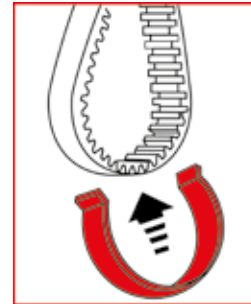
consists of:

400.0903	Crankshaft locking pin	85		
400.1361	Flywheel locking tool Ø 8 mm	146		
400.1371	Belt retaining tool Ø 25 mm	99		
400.1377	Tensioning locking pin Ø 8 mm	35		
400.1383	Flywheel locking tool 50 mm	30		
400.1384	Tensioner adjuster Ø 9 mm, 155 x 20 mm	118		
400.1386	Belt retaining tool, Ø 70 mm	50		
400.1387	Crankshaft pulley remover (4)	153		
400.3102	Tensioner locking pin, 37 mm	4		
400.3151	Crankshaft pulley centralisation tool	2		
400.3152	Tensioner locking pin, 210 mm	7		
400.3154	Auxiliary drive belt tensioner locking pin Ø 4.0 mm	18		

Engine Timing Tool Set for PSA

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: PSA vehicles with 1.4 8V and 16V engines (engine code: KFU)



400.3100	8 pcs	Engine Timing Tool Set for PSA	362	72,90

consists of:

400.0156	Crankshaft timing pin Ø 6.0 mm	23		
400.0157	Crankshaft locking pin Ø 10.0 mm, short (2)	120		
400.0165	Camshaft locking pin 5.0 mm	19		
400.0580	Crankshaft locking pin Ø 8.0 mm, 70 mm	30		
400.1386	Belt retaining tool, Ø 70 mm	50		
400.3101	Flywheel locking pin Ø 6.0 mm, long	58		
400.3102	Tensioner locking pin, 37 mm	4		



Engine Timing Tool Set for BMW / Mini / PSA

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy

Application range: BMW Mini with 1.4 / 1.6 Valvetronic engines (engine code: N12), Peugeot 207, 308 with 1.4 / 1.6 engines (engine code: EP3 / EP6), Citroën with 1.4 / 1.6 engines (engine code: EP3 / EP6)



		kg		€
400.0850	7 pcs	Engine Timing Tool Set for BMW / Mini / PSA	1,40	232,50

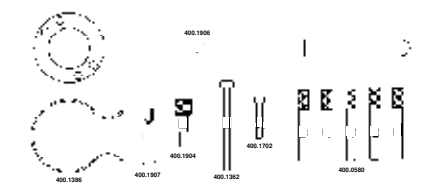
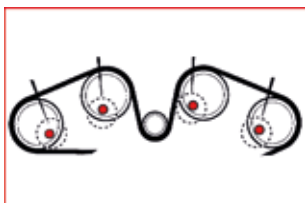
consists of:

		kg	
X			
400.0851	1	Crankshaft locking pin Ø 8 mm	52
400.0852	1	Camshaft locking tool inlet (2)	812
400.0853	1	Camshaft locking tool (EX)	358
400.1181	3	Bolt M6x30	8

Engine adjustment tool set for PSA / Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Citroën XM, Peugeot 605, Renault Safrane, Espace (engine code: L7X 700 / 701 / 713 / 727 / 731 / XFZ / ES9J4)



		kg		€
400.1900	11 pcs	Engine adjustment tool set for PSA / Renault	2,31	142,50

consists of:

		kg	
X			
400.0580	5	Crankshaft locking pin Ø 8,0 mm, 70 mm	30
400.1362	1	Locking screw M8 x 80,0 mm	31
400.1386	1	Belt retaining tool, Ø 70 mm	50
400.1904	1	Gauge pin	14
400.1906	1	Camshaft locking tool	896
400.1907	1	Tensioning fork	35
400.0286	1	Screw M8 x 35 mm (2)	16

Timing belt tensioning tool for PSA / Toyota

- For the professional engine repair
- 7,0 mm square
- Suitable for pre-tensioning timing belt tensioner on the automatic pulley
- Chrome vanadium
- Very high degree of accuracy

Application range: universal usage on many Peugeot and Toyota vehicles



		Length mm		kg		€
150.3011	PSA, Toyota	157,0	80			20,50

Timing belt tensioning tool for PSA

- For the professional engine repair
- 8,0 mm square
- Suitable for pre-tensioning timing belt tensioner on the automatic pulley
- Chrome vanadium
- Very high degree of accuracy

Application range: universal usage on many Peugeot vehicles



		Length mm		kg		€
150.3014	PSA	157,0	100			20,50



Universal fly wheel locking tool set

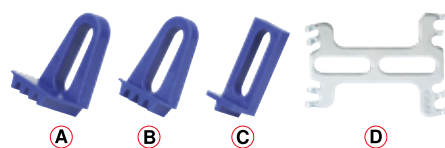
- For the professional engine repair
- For locking the fly wheels
- Secure hold thanks to optimal positioning
- Special plastic
- Very high degree of accuracy

A Fly wheel Locking device for:Citroën: Synergie 2.0/Turbo. ZX 1.9D/TD, Xantia 1.9D/TD, Berlingo 1.9D, Dispatch 1.9D/TD, Synergie 1.9D, Relay 1.9D/TD, **Fiat:** Ulysse, 2.0/Turbo Ducato 2.0, FSO: 1.9D, LDV: 200 1.9D, Pilot 1.9D, **Peugeot:** 205 1.6/1.9, 305 1.6/1.9, 309 1.6/1.9, 405 1.6/1.9, 405 1.8/2.0 (92-), 605 2.0, Boxer 2.0, c205 1.8/1.9D, 305 1.8/1.9D, 306 1.8/1.9D/TD, 309 1.8/1.9D 1.8TD, 405 1.8TD, 405 1.9D, 406 1.9D, Partner 1.9D, Talbot / Horizon / Solara 1.9D, J5/Talbot Express 1.9D, 605D/TD, 806 1.9TD, Expert 1.9D, Boxer 1.9D/TD, **Renault:** R5, 1.6D, R9 1.6D, 411 1.6D Express/Extra 1.6D-F8M diesel engines, Clio, Express/Extra, 1.9D earlier F8Q diesel engines, Espace 2.1D, R21 2.1D, R25 2.1D, Trafic/Master 2.1D-J8S diesel engines, Clio 1.2/1.4, Express/Extra, R19 1.4, Megane/Scenic 1.4/1.6-E7F/E7J petrol engines, R5 1.7, Clio 1.7/1.8, R19 1.7, R21 1.7 1.7 Megane/Scenic 2.0, Laguna 1.8/2.0, Trafic 1.7-F3N/F3P/F2R petrol engines, Clio, Williams, R19, Megane 2.0 16V Twin-Cam F7P/F7R engines, Laguna/ Safrane 2.0 16V Twin-Cam N7Q/N7U engines

B Fly wheel Locking device for:Renault: Clio, Twingo, Kangoo, Megane/Scenic, 1.2/1.6 D7F + K7M Petrol engine, Megane/Scenic, Kangoo 1.9D FBQ + F9Q Diesel engine (direct injection)

C Fly wheel Locking device for:Citroën: Xsara, Xantia 1.8/2.0XU7 JP/JPB petrol engines, Xsara 1.8 16V XU7 JP4 twin cam shaft engines, ZX.Xantia, XM2.0 16V XU10J4 twin cam shaft engines, Xantia 1.9D/TD XUD9BTF diesel engines, Xantia, XM2.1TD XUD 11BTE diesel engines, **Peugeot:** 406, 1.8/2.0 XU7 JP/JPB Petrol engine, 406 1.8 16V XU7 JP4 Double cam shaft engines, 306, 405, 605 2.0 16V XU10J4 Double cam shaft engines, 406, 1.9D/TD XUD9BTF Diesel engines, 406, 605 2.1 TD XUD 11BTE Diesel engines

D Fly wheel Locking device forVauxhall/Opel: 1.2, 1.4, 1.6, 1.8, 2.0 OHC Petrol engines, 1.6D & 1.7, OHC Diesel engines, 1.5 & 1.7 OHE Diesel (Isuzu)-Engines



		kg		€
150.3025	4 pcs	Universal fly wheel locking tool set	30	10,90



FIAT

Camshaft locking tool for PSA

- For the professional engine repair
- To counter hold when loosening and tightening the cam shaft wheel screws
- Square drive 1/2"
- Very high degree of accuracy

Application range: Citroën, Peugeot, Fiat, Ford, Alfa Romeo with 1.3 JTD engines



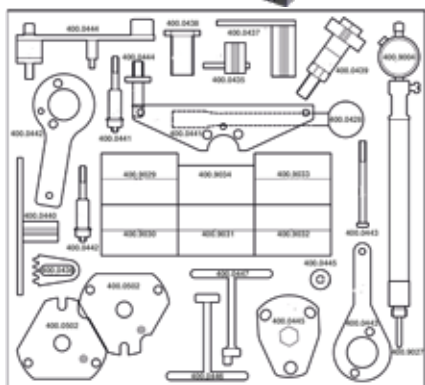
1/2"

			€
400.2429	Camshaft locking tool for PSA	485	37,50

Engine Timing Tool Set for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For locking the crank shaft and cam shaft
- Suitable for pre-tensioning timing belt tensioner on the automatic pulley
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: universal usage on many Italian vehicles, in particular Alfa Romeo, Fiat, Lancia vehicles with 1.4 / 1.6 / 1.8 / 2.0 / Twinspark 1.2 / 1.4 / 1.6 / 1.8 16 V petrol engines 1.6 / 1.8 / 1.9D / TD / 2.0 / 2.1 12V / 2.4 diesel engines



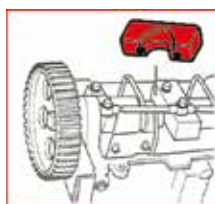
			€
400.0425	36 pcs Engine Timing Tool Set for Alfa Romeo / Fiat / Lancia	7,57	885,90

consists of:

400.0428	Tensioning tool-pry 180 mm	170
400.0435	Flywheel locking tool 45 x 30 mm	57
400.0436	Flywheel locking tool, 28 x 45 mm	135
400.0437	Flywheel locking tool 77 x 60 mm	100
400.0438	Flywheel locking tool 44 x 35 mm	51
400.0439	Flywheel locking tool 87 x 40 mm	317
400.0440	Flywheel locking tool 135 x 40 mm	136
400.0441	Crankshaft timing tool (3) 175 mm	154
400.0442	Crankshaft timing tool (2) 130 mm	154
400.0443	Crankshaft timing tool (3)	160
400.0444	Tensioning tool	240
400.0445	Camshaft locking tool (2), Alfa Romeo, Fiat, Lancia	530
400.0446	Balancer shaft belt tensioning tool	97
400.0447	Tensioning tool-pry 93 mm	70
400.0502	Camshaft locking tool (2) 86 x 78 mm	400
400.9004	Precision-dial indicator gauge 0-10 mm, Ø 40 mm	78
400.9027	TDC determining pin Ø 5.0 mm / dial indicator bracket M14 x 1.25	288
400.9029	Camshaft locking tool (2), B	276
400.9030	Camshaft locking tool (2), C	251
400.9031	Camshaft locking tool (2), D	272
400.9032	Camshaft locking tool (2), E	269
400.9033	Camshaft locking tool (2), F	276
400.9034	Crankshaft timing tool, G	178

Camshaft alignment tools for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For locking the cam shaft wheels (TDC position)
- Secure hold thanks to optimal positioning
- Very high degree of accuracy



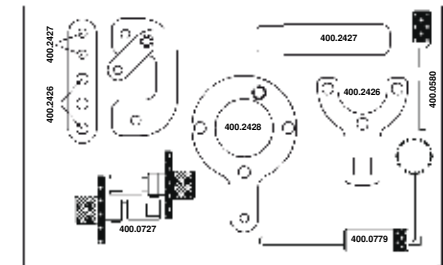
X	Suitable for		€
400.9031	2 Barchetta, Coupe 1.8 16v (> 1996)	272	43,90
400.9032	2 Brava, Bravo, Marea, Marea Weekend 1.8 16v (> 1995)	269	40,90
400.9033	2 Bravo, Marea, Marea Weekend, Coupe 2.0 20v (> 1994)	276	44,90
400.9034	1 Brava, Bravo 1.4 12v (> 1995) Lancia Ypsilon 1.4 12v (1996 - 1999)	178	27,90
400.9035	2 Lancia Kappa 2.0 2.4 20v (1994 - 1997), Stilo 2.4 20v (> 2001)	269	43,90
400.9036	2 Brava, Marea, Marea Weekend, Coupe 2.0 20v (> 1994)	280	42,90



Engine Timing Tool Kit for Fiat / Ford / Opel / Suzuki

- For the professional engine repair
- Especially for chain-driven engines
- For changing the steering chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat 1.3 JTD, Opel 1.3 CDTI, Ford 1.3 TDCi, Suzuki (engine code: Z13DT)



			€
400.2425	12 pcs Engine Timing Tool Kit for Fiat / Ford / Opel / Suzuki	1,12	174,50

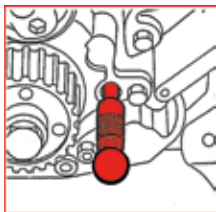
consists of:

400.0580	Crankshaft locking pin Ø 8.0 mm, 70 mm	30
400.0727	Camshaft locking tool (2) Ø 45 mm	130
400.0779	Crankshaft locking tool Ø 6 mm	80
400.2426	Crankshaft pulley flange holding tool (4)	88
400.2427	Timing chain tensioning tool (3)	171
400.2428	Flywheel timing position tool	398

Engine Timing Tool Set for Fiat / Iveco

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Fiat Ducato, Iveco Daily with 2.3 / 3.0 JTF engines (engine code: F1AE0481C, F1AE0481D, F1AE0481N, F1CE0481D)



		g	€
400.0400	5 pcs Engine Timing Tool Set for Fiat / Iveco	518	64,50

consists of:

		g	€
400.0161	Crankshaft TDC locking pin, 102 mm	75	
400.0165	Camshaft locking pin 5.0 mm	19	
400.0401	Camshaft aligning tool (2)	70	
400.0402	Crankshaft timing pin, Fiat	200	

Engine Timing Tool Set for Fiat / GM / Opel / PSA / Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Fiat, PSA, Renault, Opel vehicles with 2.5 / 2.8D engines



		g	€
400.1775	4 pcs Engine Timing Tool Set for Fiat / GM / Opel / PSA / Renault	143	23,50

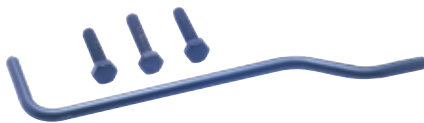
consists of:

		g	€
400.0165	2 Camshaft locking pin 5.0 mm	19	
400.0754	1 Camshaft locking pin	51	
400.1386	1 Tensioner adjuster Ø 30 mm	41	

Engine Timing Tool Set for Citroën / Fiat

- For the professional engine repair
- For locking the cam shaft and the diesel pump
- Very high degree of accuracy

Application range: Citroën C15, Relais, Visa, Xantia, XM, Xsara, ZW, Fiat Ducato, Scudo, Ulysse



		g	€
400.1700	4 pcs Engine Timing Tool Set for Citroën / Fiat	199	7,50

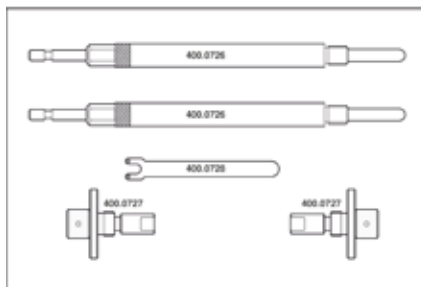
consists of:

		g	€
400.0285	Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286	Screw M8 x 35 mm (2)	16	
400.0287	Screw M8 x 40,0 mm	18	

Engine adjustment tool set for Alfa Romeo / Fiat

- For the professional engine repair
- For locking the cam shaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Alfa Romeo Giulietta, Mito, Fiat 500, Brava, Bravo, Grande Punto, Marea, Marea Weekend, Marengo, Palio Weekend, Panda, Punto Classic, Ritmo, Stilo, Idea, Lancia Delta, Susa, Ypsilon with 1.2 16V engines



		g	€
400.0725	5 pcs Engine adjustment tool set for Alfa Romeo / Fiat	989	142,50

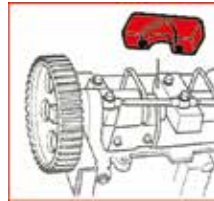
consists of:

		g	€
400.0726	Piston height gauge (2)	250	
400.0727	Camshaft locking tool (2) Ø 45 mm	130	
400.0728	Tensioner adjusting tool	30	

Engine Timing Tool Set for Fiat

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Fiat Brava, Bravo with 1.4 12V engines (engine code: 182 A3.000 / 182 A5.000)



		g	€
400.0525	4 pcs Engine Timing Tool Set for Fiat	286	52,50

consists of:

		g	€
400.0441	Crankshaft timing tool (3) 175 mm	154	
400.9034	Crankshaft timing tool, G	178	

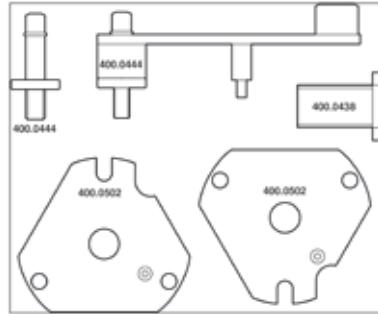




Engine Timing Tool Set for Fiat

- For the professional engine repair
- For locking the double cam shaft
- Suitable for pre-tensioning the timing belt tension
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat Brava, Bravo, Marea, Marea weekend, Multipla, Palio (> 1995) with 1.6 engines. With the tensioning tool the connecting screws can be exchanged from M8 to M10 for one another.



			€
400.0500	5 pcs Engine Timing Tool Set for Fiat	1,87	255,90

consists of:

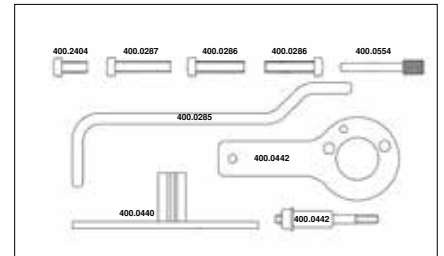
400.0438	Flywheel locking tool 44 x 35 mm	51	
400.0444	Tensioning tool	240	
400.0502	Camshaft locking tool (2) 86 x 78 mm	400	



Engine Timing Tool Set for Fiat / Peugeot

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat Brava, Bravo, Marea, Marea (sic) and Peugeot with 1.9 D/TD engines (> 1996)



			€
400.0550	9 pcs Engine Timing Tool Set for Fiat / Peugeot	1,25	68,50

consists of:

400.0285	Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286	Screw M8 x 35 mm (2)	16	
400.0287	Screw M8 x 40,0 mm	18	
400.0440	Flywheel locking tool 135 x 40 mm	136	
400.0442	Crankshaft timing tool (2) 130 mm	154	
400.0554	Locking pin Ø 6.0 mm	19	
400.2404	Socket head screw M8 x 20 mm	13	

Engine Timing Tool Set for Fiat

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Fiat Punto, Tipo, Tempra, Ducato with 1.7 D/TD / 1.9 D / 1.9 TD diesel engines



		kg	€
400.0450	4 pcs Engine Timing Tool Set for Fiat	1,53	79,50

consists of:

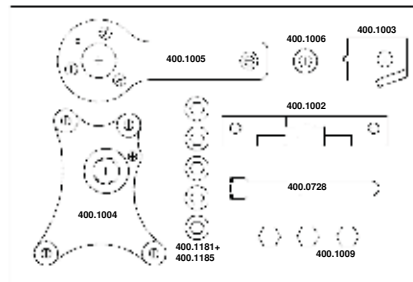
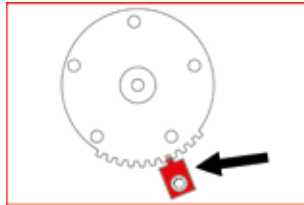
		kg	€
400.0451	Camshaft locking plate, 45°	530	
400.0452	Camshaft locking plate, 43°	530	
400.0453	Camshaft locking plate, 41°	530	



Engine Timing Tool Kit for Fiat / Ford

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

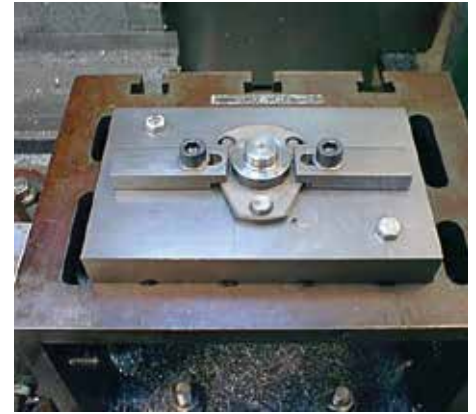
Application range: Fiat 500, Idea, Linea, Punto, Doblo, Panda, Ford Ka with 1.2 / 1.4 8V engines



		kg	€
400.1000	19 pcs Engine Timing Tool Kit for Fiat / Ford	1,99	166,90

consists of:

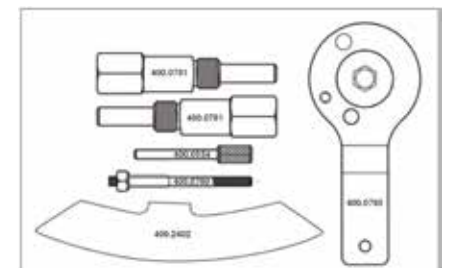
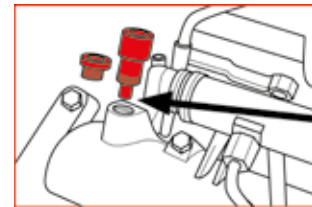
X		kg	€
400.0728	1 Tensioner adjusting tool	30	
400.1002	1 Camshaft setting strap 110 mm	80	
400.1003	1 Camshaft locking tool M10	86	
400.1004	1 Camshaft cover locking tool	300	
400.1005	1 Crankshaft locking tool Ø 22 mm	7	
400.1006	1 Screw M10 x 20,0 mm	22	
400.1009	3 Locking screw M8 x 20,0 mm	11	
400.1181	5 Bolt M6x30	8	
400.0339	5 Washers M6	1	



Engine Timing Tool Set for Alfa Romeo / Fiat

- For the professional engine repair
- For locking the crank shaft or cam shaft and injection pump
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat vehicles with 1.6 / 1.9 / 2.4 JTD Multi-jet diesel engines, Alfa Romeo with 2.0 JTD diesel engines (engine code: 939B3.000)



		kg	€
400.2400	7 pcs Engine Timing Tool Set for Alfa Romeo / Fiat	1,46	105,90

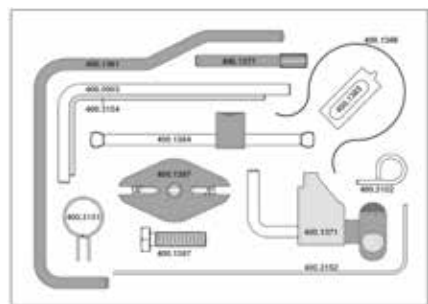
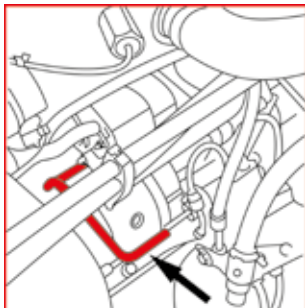
consists of:

		kg	€
400.0554	Locking pin Ø 6.0 mm	19	
400.0780	Crankshaft pulley setting tool (3)	260	
400.0781	Camshaft timing pin set (2)	180	
400.2402	Flywheel sprocket alignment tool 134 mm	130	

Engine Timing Tool Kit for Fiat / PSA

- For the professional engine repair
- For adjusting the valve controls
- For twin cam shaft systems with timing belt/chain combinations
- Very high degree of accuracy
- In durable steel storage case

Application range: Citroën and Fiat with 2.0 / 2.2 SOHC and DOHC engines (engine code: DW10 / DW12)



Part No.	Quantity	Description	Weight (kg)	Price (€)
400.3150	15 pcs	Engine Timing Tool Kit for Fiat / PSA	814	186,50

consists of:

Part No.	Description	Weight (kg)
400.0903	Crankshaft locking pin	85
400.1361	Flywheel locking tool Ø 8 mm	146
400.1371	Belt retaining tool Ø 25 mm	99
400.1377	Tensioning locking pin Ø 8 mm	35
400.1383	Flywheel locking tool 50 mm	30
400.1384	Tensioner adjuster Ø 9 mm, 155 x 20 mm	118
400.1386	Belt retaining tool, Ø 70 mm	50
400.1387	Crankshaft pulley remover (4)	153
400.3102	Tensioner locking pin, 37 mm	4
400.3151	Crankshaft pulley centralisation tool	2
400.3152	Tensioner locking pin, 210 mm	7
400.3154	Auxiliary drive belt tensioner locking pin Ø 4,0 mm	18

Engine Timing Tool Kit for Fiat / Iveco / PSA

- For the professional engine repair
- For locking the cam shaft or fly wheels
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat Ducato 2.8 TD, JTD, Iveco 2.8 D, TD1, Citroën Relay, Jumper, Peugeot Boxer, Boxer II (engine code: 8140.43 / 8140.43N / 8140.43S / 8140.63)



Part No.	Quantity	Description	Weight (kg)	Price (€)
400.3000	5 pcs	Engine Timing Tool Kit for Fiat / Iveco / PSA	200	59,90

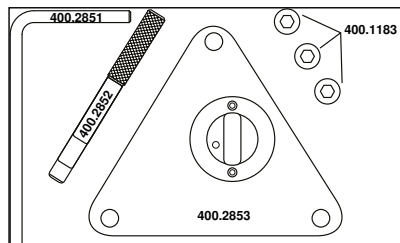
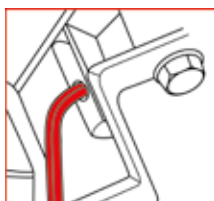
consists of:

Part No.	Description	Weight (kg)
400.0165	Camshaft locking pin 5.0 mm	19
400.1377	Tensioning locking pin Ø 8 mm	35
400.1388	Tensioner adjuster Ø 30 mm	41
400.3001	Flywheel holding tool, 45 mm	106

Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- Especially for chain-driven engines
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat Panda, Punto, 500, 500c, Alfa Romeo Mito, Lancia Ypsilon (engine code: 313A2.000)



Part No.	Quantity	Description	Weight (kg)	Price (€)
400.2850	6 pcs	Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia	1,60	86,90

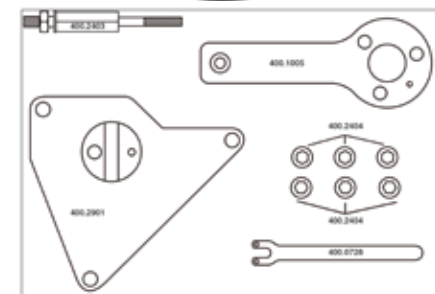
consists of:

Part No.	Description	Weight (kg)
400.2851	Flywheel locking tool 115 mm	460
400.2853	Camshaft Locking Plate	490
400.2852	Pulley locking pin	550
400.1183	3 Camshaft alignment tool bolt M8 x 25 mm	15

Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For locking the crank shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Alfa Romeo Mito, Giulietta MultiAir 105, MultiAir Turbo 135, 163 / 170 (2009-2013) Fiat Punto Evo, Punto, Bravo (2009-2013) Lancia Delta (2010-2013) - (engine code: 955A6.000 / 955A7.000 / 955A8.000 / 955A2.000 / 940A2.000)



Part No.	Quantity	Description	Weight (kg)	Price (€)
400.2900	10 pcs	Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia	1,40	124,50

consists of:

Part No.	Description	Weight (kg)
400.0728	1 Tensioner adjusting tool	30
400.1005	1 Crankshaft locking tool Ø 22 mm	7
400.2403	1 Stud assembly	33
400.2404	6 Socket head screw M8 x 20 mm	13
400.2901	1 Tensioner adjusting tool 130 mm	504

Tension pulley wrench for Fiat

- Eccentric
- Suitable for the assembly and disassembly of the timing belt
- For adjusting the timing belt tension on the automatic pulley
- Not suitable for balancing belts
- Locking handle
- With plastic-coated handle
- Chrome vanadium

Application range: Fiat Brava, Bravo and Marec with 1.8L 16V engines >1996, Fiat Barchetta Coupe 1.8L 16V engine >1996

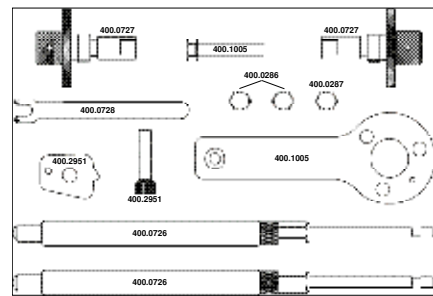
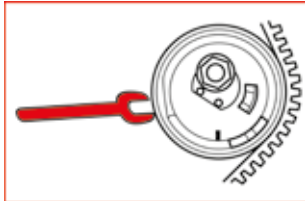


Part No.	Weight (kg)	Price (€)
150.1254	80	17,50

Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Alfa Romeo Giulietta, MiTo Fiat 500, Brava, Bravo, Grande Punto, Marea, Marea Weekend, Marengo, Palio Weekend Panda, Punto, Punto Classic, Ritmo, Stilo, Idea Lancia Delta, Musa, Ypsilon



Part No.	Quantity	Description	Weight (g)	Price (€)
400.2950	10 pcs	Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia	1,22	202,50

consists of:

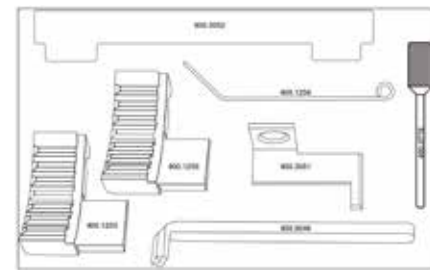
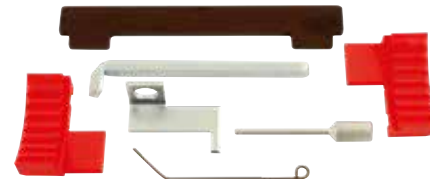
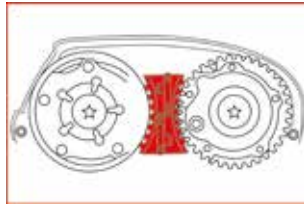
Part No.	Description	Weight (g)
400.0726	Piston height gauge (2)	250
400.2951	Camshaft pulley holding tool, 35 mm	126
400.1005	Crankshaft locking tool Ø 22 mm	7
400.0728	Tensioner adjusting tool	30
400.0727	Camshaft locking tool (2) Ø 45 mm	130
400.0286	Screw M8 x 35 mm (2)	16
400.0287	Screw M8 x 40,0 mm	18



Engine Timing Tool Set for Alfa Romeo / Fiat / GM / Opel

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Chevrolet Cruze, Orlando with 1.4 / 1.6 / 1.8 engines, Opel Astra-G, Astra-H, Corsa-D, Insignia, Meriva, Signum, Vectra-C, Zafira-B, Fiat Croma, Alfa Romeo 159 (engine code: Z / A / 939A4.000)



Part No.	Quantity	Description	Weight (g)	Price (€)
400.3050	7 pcs	Engine Timing Tool Set for Alfa Romeo / Fiat / GM / Opel	424	74,90

consists of:

Part No.	Description	Weight (g)
400.0778	Locking pin, 80 mm	20
400.1255	Camshaft locking tool for Opel (2), red	56
400.1256	Tensioner locking pin for 400.1250	3
400.3051	Flywheel holding tool	32
400.3052	Camshaft Locking Bar	148
400.9046	Flywheel locking tool, 130 mm	80

FORD

Special socket with special profile

- special profile
- ideally suited to operate the new central screw connection on the central valve of the camshaft adjuster
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Extra short execution
- replaces the old 6-sided screw connection
- For manual operation
- Matt finish
- Chrome vanadium

Application range: Central bolting of the Vanos unit for BMW, Mini and the CVT module for Ford



Part No.	Length (mm)	Ø (mm)	Weight (g)	Price (€)
400.0002	30,0	30	103	20,90

Special socket with special profile

- special profile
- ideally suited to operate the new central screw connection on the central valve of the camshaft adjuster
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Extra short execution
- replaces the old 6-sided screw connection
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: Central bolting of the Vanos unit for BMW, Mini and the CVT module for Ford

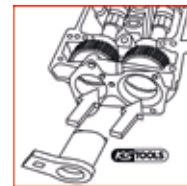


Part No.	Length (mm)	Ø (mm)	Weight (g)	Price (€)
400.0003	30,0	30	95	27,90

Camshaft locking tool for PSA

- For the professional engine repair
- To counter hold when loosening and tightening the cam shaft wheel screws
- Square drive 1/2"
- Very high degree of accuracy

Application range: Citroën, Peugeot, Fiat, Ford, Alfa Romeo with 1.3 JTD engines



Part No.	Description	Weight (g)	Price (€)
400.2429	Camshaft locking tool for PSA	485	37,50

Vibration damper wrench for Volvo and Ford

- For clamping the crank shaft when loosening and tightening the crankshaft central screw
- Prevents slipping whilst holding
- The handle can be lengthened via the 1/2" internal square
- Matt finish
- Chrome vanadium

Application range: Volvo C30, C70, S40, S60, S70, S80, V40, V50, V60, V70, XC60, XC70, XC90, XC90 (1.6 / 1.8 / 1.9 / 2.0 / 2.3 / 2.4 / 2.5 / 2.8 / 2.9 with 4- and 5-cylinder petrol and diesel engines as well as 2.0 and 2.4 with 5-cylinder diesel engines), Ford Focus, Galaxy, Kuga, Mondeo, S-Max with 2.5 Duratec (V15) petrol engine (>2004)



Part No.	Total length (mm)	Weight (g)	Price (€)
400.9070	255,0	550	49,50



Fan hub wrench for Ford

- For the professional engine repair
- Simple assembly and disassembly of the Visco coupling rotor
- Makes it possible to secure the pulley wheel of the water pump and at the same time release the heating filler
- Special tool steel
- Very high degree of accuracy

Application range: Ford Transit (2001 - 2006)



	Suitable for	Pin key mm	g	€
400.9014	Ford	69,0	133	46,50

V belt tension wrench for Ford

- Ideally suited for operating the belt tensioning device
- Problem free changing of the belt
- For hard to reach places
- Internal square drive adaptor
- Phosphate finish
- Chrome vanadium

Application range: Ford Duratorq 2.0 / 2.2 TDDi and TDCi (engine code: D5BA, D6BA, HJBA, HJBC, FMBA, N7BA, QJBB, QJBA)



	Length mm	g	€
405.0090	470,0	150	32,50

Camshaft ruler for Ford

- For the professional engine repair
- Ideally suited to fixing the cam shaft
- Simple handling
- Special tool steel
- Very high degree of accuracy

Application range: Ford B-MAX (>2012), C-MAX (>2010), Fiesta (>2013), Focus (>2011), Galaxy (>2010), Grand C-MAX (>2010), Kuga (>2013), Mondeo (>2010), S-MAX (>2010), Tourneo Connect (>2013), Transit Connect (>2013) for 1.6 l EcoBoost petrol engines (engine code: JQMA / JQMB / JTMA / IQJA / JQDA / JQDB / JTDA / JTDB / IQDA / IQDB / PNDA / XTDA / MUDA / JTJA / JTWA / JTWB / JTBA / JTBB / KGBA / JQGA)

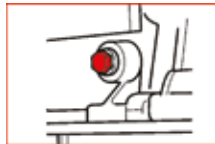


		g	€
400.4440	Camshaft ruler for Ford	340	31,50

Engine Timing Tool Kit for Ford / Mazda

- For the professional engine repair
- For locking the crank shaft
- Especially for Ford 16V vehicles
- Very high degree of accuracy

Application range: Ford Fiesta 1.25 / 1.4 engines, Puma 1.4 / 1.7 engines, Mondeo 1.6 / 1.8 / 2.0 engines, Mazda 121 with 1.25 engines



		g	€
400.0175	2 pcs Engine Timing Tool Kit for Ford / Mazda	175	10,90

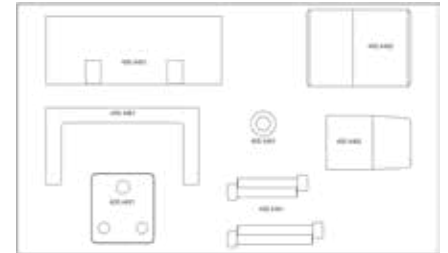
consists of:

		g	
400.0154	Camshaft setting strap 200 mm	130	
400.0155	Crankshaft locking pin Ø 5 mm	25	

Engine Timing Tool Set for Ford / Volvo

- For the professional engine repair
- for holding the camshaft
- Very high degree of accuracy
- In durable steel storage case

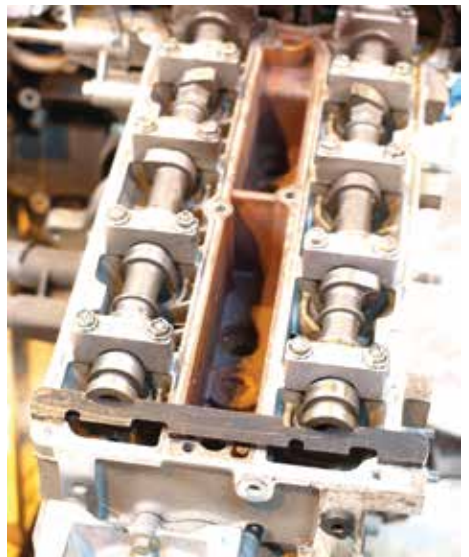
Application range: Ford Focus (2005 – 2011), Galaxy (2006 – 2010), Kuga (2009 – 2013), Mondeo (2007 – 2010), S-Max (2006 – 2010), Volvo C30 (2006 – 2013), C70 (2006 – 2013), S40 (2003 – 2012), S60 (2003 – 2016), S80 (2003 – 2012), V40 (2012 – 2015), V50 (2004 – 2012), V70 (2002 – 2012), XC60 (2014 – 2016), XC70 (2002 – 2007) and XC90 (2002 – 2014) with 2.5 l petrol engines (engine code: HYDA / HYDB / HUBA / B5254T10 / B5254T11 / B5254T12 / B5254T14 / B5254T2 / B5254T3 / B5254T4 / B5254T5 / B5254T6 / B5254T7 / B5254T8 / B5254T9)



		g	€
400.4480	10 pcs Engine Timing Tool Set for Ford / Volvo	1,99	186,50

consists of:

		g	
400.4461	Camshaft holding bracket	490	
400.4482	Crankshaft front oil sealer cup	650	



Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot

- For the professional engine repair
- For locking the cam shaft
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Land Rover Discovery (2009 – 2015), Discovery Sport (2009 – 2015), Freelander 2 (2009 – 2015), eD4 (2009 – 2015), TD4 (2009 – 2015), TD4e (2009 - 2015), Citroën C5 (2002 – 2015), C5 II (2002 – 2015), C5 III (2002 – 2015), C6 (2002 – 2015), C8 (2002 – 2015), C-Crosse (2002 - 2015), Mitsubishi Outlander DI-D (2007 – 2013), DI-DC (2007-2013), Peugeot 4007 (2000 – 2015), 407 (2000- 2015), 607 (2000 – 2015), 807 (2000 – 2015), 406 (2000 – 2015), 508 (2000 – 2015), 607 (2000 – 2015), GT (2000-2015), Ford Galaxy (2008 - 2015), Mondeo (2008 - 2015), S-Max (2008 - 2015) for 2.2 l diesel engines (engine codes: 224DT / DW12CTED4 224DT / DW12BTED4 224DT /4HX (DW12CT-ED4) / 4HP (DW12BTED4) / 4HX (DW12TED4) / 4HW (DW12TED4/L4) / 4HK, 4HN / DW12MTED4 (4HK) / DW12MT-ED4 (4HN) / DW12BTED4 (4HP) / DW12BTED4 (4HR) / DW-12BTED4 (4HT) / DW12TED4/L4 (4HW) / DW12BTED4 (4HS) / DW12ATED (4HZ) / DW12ATED4 (4HX) / DW12ATED (4HZ) / DW12CTED4 (4HL), KNBB, KNBA, KNWA, Q4BA)



			g	€
400.4450	3 pcs	Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot	680	83,50

consists of:

			g	€
400.4451		Balance shaft locking tool	190	
400.4452		Balance shaft tool	140	
400.4453		Balance shaft adjustment tool	230	

VCT Locking Tool Set for Ford

- For the professional engine repair
- for adjusting the pulleys of the variable camshaft control (VCT)
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Ford B-MAX (2012 - 2015), C-MAX (2012 - 2015), EcoSport (2012 - 2015), Fiesta (2012 - 2015), Focus (2012 - 2015), Grand C-MAX (2012 - 2015), Grand Tourneo Connect (2012 - 2015), Tourneo Connect (2012 - 2015), Transit Connect (2012 - 2015), Transit Courier (2012 - 2015) with 1.0 l petrol engines (engine code: M1JA / SFJA / SFJB / M1DA / M2DA / P4JA / P4JB / XMJA / XMJB / M1JE / M2GA)



			g	€
400.4425	2 pcs	VCT Locking Tool Set for Ford	1,33	272,90

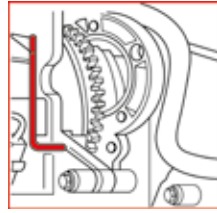
consists of:

			g	€
400.4427		VCT Locking tool - inlet	610	
400.4428		VCT Locking tool - exhaust	610	

Engine Timing Tool Set for Ford / Land Rover / PSA / Volvo

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford, Land Rover, PSA, Volvo vehicles with 2.0 / 2.2 DOHC Common-Rail Diesel engines



			g	€
400.1625	6 pcs	Engine Timing Tool Set for Ford / Land Rover / PSA / Volvo	473	67,50

consists of:

			g	€
400.0580		Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.0609		Flywheel locking tool 133 x 40 mm	308	
400.0903		Crankshaft locking pin	85	

Crankshaft locking pin for Ford

- For the professional engine repair
- special profile as counter profile
- for use with 400.9003 Pulley Retainer Wrench for Ford
- Chrome vanadium
- Very high degree of accuracy

Application range: Ford Transit (2011 - 2014) and Ranger (2011 - 2017) with 2.2 l and 3.2 l Duratorq TDCI engines with rear-wheel drive (engine code: CVRA / CVRB / CYRA / CURB / DRRR / DRRB / USRA / USRB / SAFA)



	L mm		g	€
400.4445	135,0		161	20,50

Oil pump locking tool for Ford / Jaguar / Land Rover

- especially suitable for staking out the oil pump
- Sturdy design
- Special tool steel

Application range: Ford Mondeo and Transit, Jaguar X400 and X Type for 2.0 l, 2.2 l, 2.4 l, 3.2 l diesel engines and 2.3 l petrol engines



			g	€
400.4455		Oil pump locking tool for Ford / Jaguar / Land Rover	60	7,50

Fuel pump locking tool for Ford Transit

- ideal for quick and easy locking of the injection pump wheel
- Saves a lot of time
- Sturdy design

Application range: Ford Transit Duratorq (>2006), Ranger Duratorq (>2011) with 2.2l and 3.2 l diesel engines

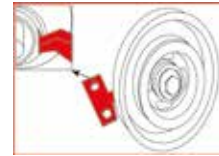


			g	€
400.0014		Fuel pump locking tool for Ford Transit	200	25,90

Engine Timing Tool Set for Ford / Volvo

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford B-Max (2012), C-Max (2010), Focus (2011), Galaxy (2010), Grand-C-Max (2010-2011), Mondeo (2010), S-Max (2010), Volvo S60 (2001), S80 (2010-2011), V60 (2011), V70 (2010-2011) with 1.6 Ti-VCT, 2.0 TDCI engines (engine code: IQJA / JQDA / JQDB / JQDA / JTDB / JQDA / JQDB / JTWA / JTWB / JQDA / JTDA / JTDB / JTBA / JTBB / B4164T3 / B4164T / B41464T2)



			g	€
400.4125	4 pcs	Engine Timing Tool Set for Ford / Volvo	498	40,90

consists of:

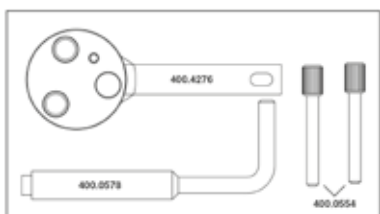
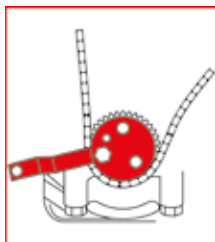
			g	€
400.0902		Camshaft locking tool	384	
400.0905		Crankshaft locking pin, Ø 8 mm, 58 mm	33	
400.4126		Crank shaft discs adjustment tool	50	
400.4127		Pin for chain tensioner	10	



Engine Timing Tool Set for Ford

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford Transit 2.2 TDCi engines (> 2006), including Econetic and HDT engines



				€
400.4276	4 pcs	Engine Timing Tool Set for Ford	415	97,50

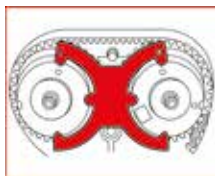
consists of:

X			
400.0554	2	Locking pin Ø 6.0 mm	19
400.0578	1	Flywheel locking pin	122
400.4276	1	Crank shaft chain wheel holding tool	200

Engine Timing Tool Set for Ford

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford Focus, C-Max with 1.6 TI-VCT and 2.0 TDCi engines (2003-2007) (engine code: HXDA / G6DA / G6DB / G6DC)



				€
400.0900	5 pcs	Engine Timing Tool Set for Ford	1,16	33,50

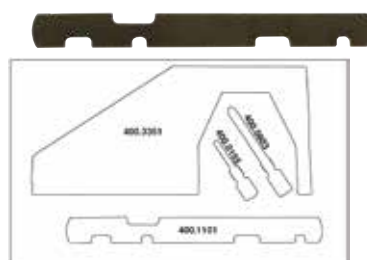
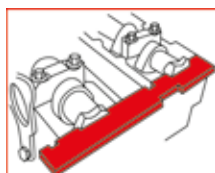
consists of:

400.0901	Tensioning locking pin, 45 mm	4		
400.0902	Camshaft locking tool	384		
400.0903	Crankshaft locking pin	85		
400.0904	Camshaft/injection pump locking pin	26		
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33		

Engine Timing Tool Set for Ford / Mazda

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford Mondeo with 1.8 engines and Mazda 3, 5, 6, CV7, MX5, MPV, Tribute with Zetec/Duratec or DISI engines



				€
400.3350	4 pcs	Engine Timing Tool Set for Ford / Mazda	1,05	64,50

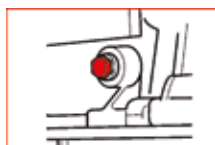
consists of:

400.0155	Crankshaft locking pin Ø 5 mm	25		
400.0603	Crankshaft timing pin, 83 mm	51		
400.1101	Camshaft setting strap, 200 mm	140		
400.3351	Camshaft Locking Plate, 220 mm	780		

Engine Timing Tool Set for Ford / Volvo

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford, Volvo with petrol engines



				€
400.1525	4 pcs	Engine Timing Tool Set for Ford / Volvo	291	20,50

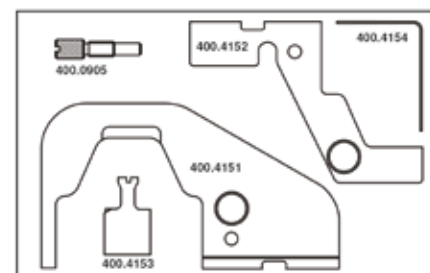
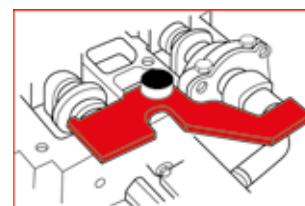
consists of:

400.0155	Crankshaft locking pin Ø 5 mm	25		
400.0603	Crankshaft timing pin, 83 mm	51		
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33		
400.1101	Camshaft setting strap, 200 mm	140		

Engine Timing Tool Set for Ford

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford Galaxy (2010), Mondeo (2010), S Max (2010), Focus (2011) with 2.0 SCTI Ecoboost / Ti-VCT engines (engine code: TNWA / TNWB / TNBA / TPWA / MGDA / XQDA)



				€
400.4150	5 pcs	Engine Timing Tool Set for Ford	2,18	153,50

consists of:

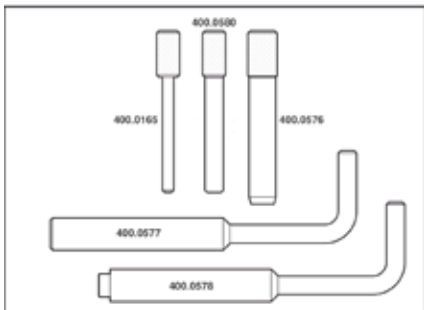
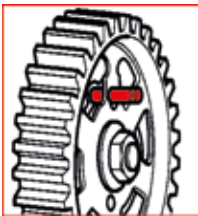
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33		
400.4151	Cam shaft alignment plate 198 mm	700		
400.4152	Cam shaft alignment plate 149 mm	250		
400.4153	Pin for aligning the cam shaft	30		
400.4154	Tension pin 2.0 mm	20		



Engine Timing Tool Kit for Ford

- For the professional engine repair
- Expansion set for Ford Duratorq engines
- For locking the crank shaft and cam shaft
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford Duratorq-engines Fiesta and Fusion with 1.4 D/TDCi engines with timing belt, Mondeo, Transit 2.0 D/Di with timing chain, Puma, Transit with 2.4 D/Di/TDDi with timing chain, Mondeo with 2.0 / 2.2 TDCi with timing chain, Transit (2000-2008) with 2.0 / 2.2 TDCi, 2.4 TDi with timing chain



Part No.	Description	Qty	Price
400.0575	5 pcs Engine Timing Tool Kit for Ford	319	52,50

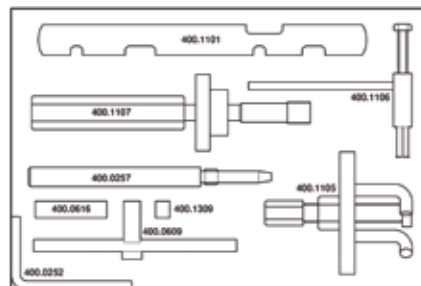
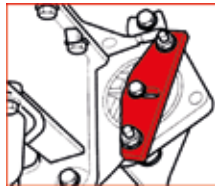
consists of:

Part No.	Description	Qty
400.0165	Camshaft locking pin 5.0 mm	19
400.0576	Flywheel locking pin Ø 12 mm	64
400.0577	Flywheel locking tool Ø 8 mm, 126 mm	124
400.0578	Flywheel locking pin	122
400.0580	Crankshaft locking pin Ø 8.0 mm, 70 mm	30

Engine Timing Tool Set for Ford

- For the professional engine repair
- For locking the cam shaft
- For changing the cam belt or the chain
- Very high degree of accuracy
- In durable steel storage case

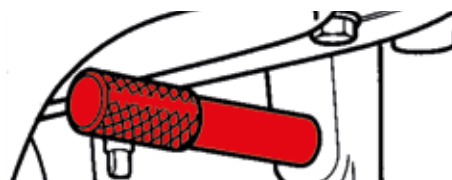
Application range: Ford vehicles with 1.8 TDDi / TDCI engines



Part No.	Description	Qty	Price
400.1100	12 pcs Engine Timing Tool Set for Ford	2,00	248,50

consists of:

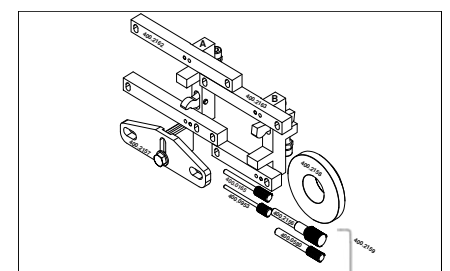
Part No.	Description	Qty
400.0252	Camshaft locking pin 6.0 mm	26
400.1107	Chain cover alignment tool	497
400.1106	Fuel sprocket remover for Ford, 106 mm	80
400.1105	Camshaft sprocket puller	552
400.1101	Camshaft setting strap, 200 mm	140
400.0257	Crankshaft TDC locking pin Ø 5 mm, 160 mm	124
400.0609	Flywheel locking tool 133 x 40 mm	308
400.0616	Flywheel locking adaptor 50 mm	74
400.1309	Flywheel locking adaptor 20 mm	13



Engine Timing Tool Set for Ford

- For the professional engine repair
- For blocking the cam and crank shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford B-Max, C-Max, Fiesta, Focus, Grand C-Max, Transit Connect with 1.0 engines, 3 cylinder EcoBoost (>2012)



Part No.	Description	Qty	Price
400.2155	9 pcs Engine Timing Tool Set for Ford	3,83	476,50

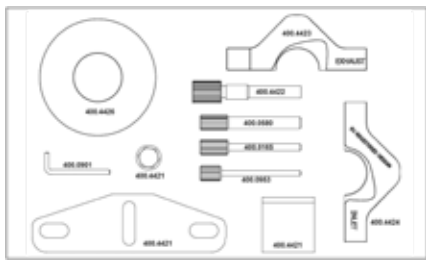
consists of:

Part No.	Description	Qty
400.0580	Crankshaft locking pin Ø 8.0 mm, 70 mm	30
400.0953	Auxiliary drive belt tensioning locking pin	13
400.2156	GTDI crank shaft locking pin, Ø 8.0 mm	72
400.2157	Flywheel locking tool, 132 mm	345
400.2158	Shaft washer tool, round	45
400.2159	Connection pin Ø 3.0 mm	3
400.2162	Camshaft locking tool A	721
400.2163	Camshaft locking tool B	721
400.0165	Camshaft locking pin 5.0 mm	19

Engine Timing Tool Set for Ford

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable plastic storage case

Application range: Ford B-Max (2012 - 2017), C-Max (2012 - 2017), EcoSport (2013 - 2017), Fiesta (2013 - 2017), Focus (2012 - 2017), Grande C-Max (2012 - 2017), Grande Tourneo Connect (2013 - 2017), Mondeo (2015 - 2017), Tourneo Connect (2013 - 2017), Transit Connect (2013 - 2017) and Transit Courier (2014 - 2017) with 1.0 l EcoBoost, Zetec S Red M1CA / M1CB / M1DA / M1DD / M1JA / M1JC / M1JE / M1JH / M1JJ / M2DA / M2DB / M2DC / M2GA / M2GB / P4JA / P4JB / P4JC / P4JD / SFCA / SFCB / SFCC / SFCD / SFDB / SFJA / SFJB / SFJC / SFJD / XMJA / XMJB / XMJC / XMJD / YYJA / YYJB)



		kg	€
400.4420	9 pcs Engine Timing Tool Set for Ford	1,60	228,90

consists of:

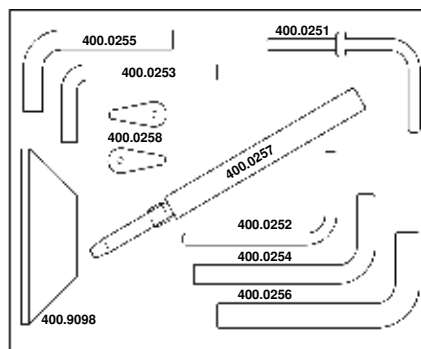
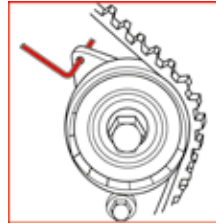
		kg	€
400.4421	Flywheel locking tool	350	
400.4422	Crankshaft timing pin	50	
400.0901	Tensioning locking pin, 45 mm	4	
400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.4423	Camshaft setting block exhaust	110	
400.4424	Camshaft locking block inlet	120	
400.4426	Oil seal installer	450	
400.0165	Camshaft locking pin 5.0 mm	19	
400.0953	Auxiliary drive belt tensioning locking pin	13	



Engine Timing Tool Set for Ford

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford vehicles with 1.6 / 1.8 / 2.5 diesel engines



		kg	€
400.0250	10 pcs Engine Timing Tool Set for Ford	590	57,90

consists of:

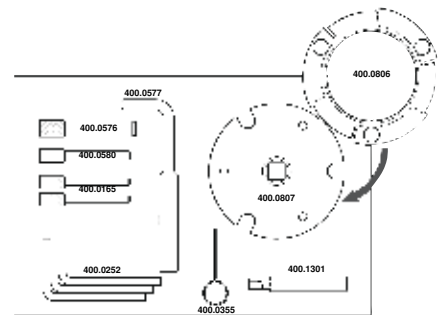
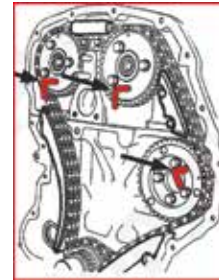
		kg	€
400.0251	Injection pump locking pin Ø 6.0 mm	30	
400.0252	Camshaft locking pin 6.0 mm	26	
400.0253	Locking pin Ø 8.0 mm	41	
400.0254	Locking pin Ø 9.5 mm	60	
400.0255	Locking pin Ø 10.0 mm	60	
400.0256	Locking pin Ø 12.0 mm	120	
400.0257	Crankshaft TDC locking pin Ø 5 mm, 160 mm	124	
400.0258	Shim tool (2)	3	
400.9098	Alignment ruler	86	

Engine Timing Tool Set for Ford

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford vehicles with chain-driven 2.0 / 2.4 Duratorq engines (2002-2010), also for the belt change on 1.4 / 1.6 engines. Contains tool for the removal and exchanging of fuel injection pumps on Ford 2.0 / 2.4 Duratorq Di/TDDI and 2.2 / 2.4 Duratorq TDCI diesel engines

Please carry out an up-to-date test for the specific vehicle on www.timingtool.de



		kg	€
400.0800	11 pcs Engine Timing Tool Set for Ford	956	156,50

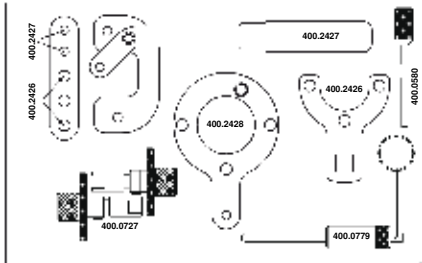
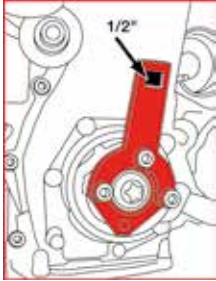
consists of:

		X	kg	€
400.0165	2	Camshaft locking pin 5.0 mm	19	
400.0252	2	Camshaft locking pin 6.0 mm	26	
400.0355	1	Tensioner pushrod retension pin	1	
400.0576	1	Flywheel locking pin Ø 12 mm	64	
400.0577	1	Flywheel locking tool Ø 8 mm, 126 mm	124	
400.0580	1	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.0806	1	Locking tool	45	
400.0807	1	Pump cover locking tool	2	
400.1301	1	Torx T45 bit, 75 mm	31	

Engine Timing Tool Kit for Fiat / Ford / Opel / Suzuki

- For the professional engine repair
- Especially for chain-driven engines
- For changing the steering chain
- Very high degree of accuracy
- In durable steel storage case

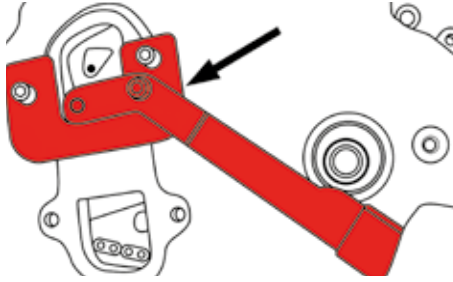
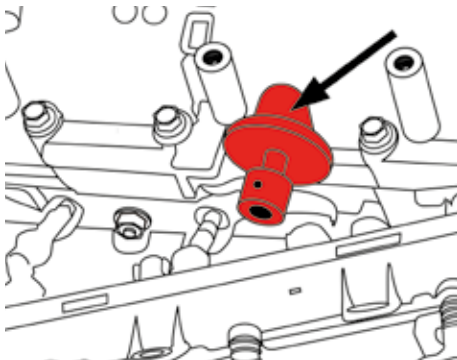
Application range: Fiat 1.3 JTD, Opel 1.3 CDTI, Ford 1.3 TDCi, Suzuki (engine code: Z13DT)



			€
400.2425	12 pcs Engine Timing Tool Kit for Fiat / Ford / Opel / Suzuki	1,12	174,50

consists of:

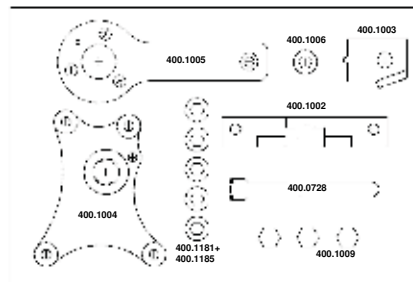
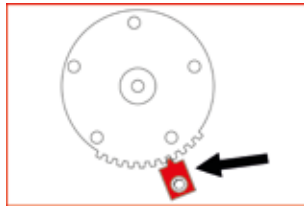
			€
400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.0727	Camshaft locking tool (2) Ø 45 mm	130	
400.0779	Crankshaft locking tool Ø 6 mm	80	
400.2426	Crankshaft pulley flange holding tool (4)	88	
400.2427	Timing chain tensioning tool (3)	171	
400.2428	Flywheel timing position tool	398	



Engine Timing Tool Kit for Fiat / Ford

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat 500, Idea, Linea, Punto, Doblo, Panda, Ford Ka with 1.2 / 1.4 8V engines



			€
400.1000	19 pcs Engine Timing Tool Kit for Fiat / Ford	1,99	166,90

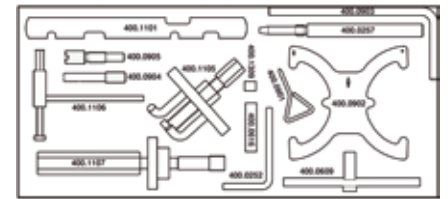
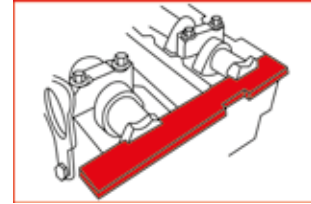
consists of:

X		€
400.0728 1	Tensioner adjusting tool	30
400.1002 1	Camshaft setting strap 110 mm	80
400.1003 1	Camshaft locking tool M10	86
400.1004 1	Camshaft cover locking tool	300
400.1005 1	Crankshaft locking tool Ø 22 mm	7
400.1006 1	Screw M10 x 20,0 mm	22
400.1009 3	Locking screw M8 x 20,0 mm	11
400.1181 5	Bolt M6x30	8
400.0339 5	Washers M6	1

Engine Timing Tool Set for Ford

- For the professional engine repair
- Expansion set for use in connection with 400.0600
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford Focus, C-Max with 1.6 Ti VCT engines, Fiesta, Fusion with 1.4 / 1.6 TDCi engines, Mondeo, S-Max, Transit Connect, Tourneo Connect with 1.8 TdDi / TDCi and 2.0 TDCi engines (engine code: HXADA)



			€
400.1200	17 pcs Engine Timing Tool Set for Ford	2,26	317,90

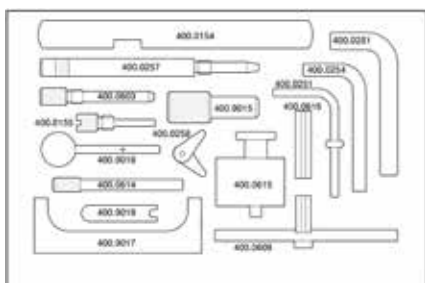
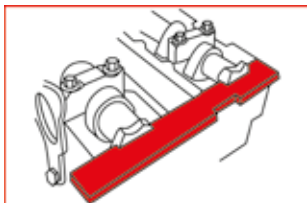
consists of:

			€
400.0252	Camshaft locking pin 6.0 mm	26	
400.1107	Chain cover alignment tool	497	
400.1108	Fuel sprocket remover for Ford, 106 mm	80	
400.1105	Camshaft sprocket puller	552	
400.1101	Camshaft setting strap, 200 mm	140	
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33	
400.0904	Camshaft/injection pump locking pin	26	
400.0903	Crankshaft locking pin	85	
400.0902	Camshaft locking tool	384	
400.0901	Tensioning locking pin, 45 mm	4	
400.0257	Crankshaft TDC locking pin Ø 5 mm, 160 mm	124	
400.0609	Flywheel locking tool 133 x 40 mm	308	
400.0616	Flywheel locking adaptor 50 mm	74	
400.1309	Flywheel locking adaptor 20 mm	13	

Engine Timing Tool Kit for Ford / Mazda

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford and Mazda vehicles with 1.2 / 1.3 / 1.4 / 1.6 SOHC and 1.6 / 1.8 / 2.0 16V petrol engines, 1.8 / 1.9 D/TD / 1.9 TDi / 2.5 TDi diesel engines and Zetec engines



			€
400.0600	20 pcs	Engine Timing Tool Kit for Ford / Mazda	1,48 173,50

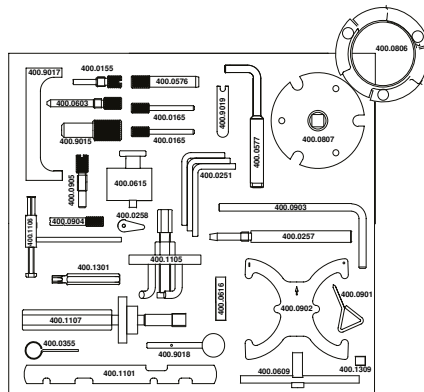
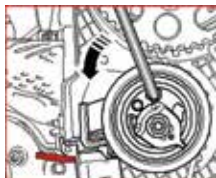
consists of:

			€
400.0154	Camshaft setting strap 200 mm	130	
400.0155	Crankshaft locking pin Ø 5 mm	25	
400.0251	Injection pump locking pin Ø 6.0 mm	30	
400.0254	Locking pin Ø 9.5 mm	60	
400.0257	Crankshaft TDC locking pin Ø 5 mm, 160 mm	124	
400.0258	Shim tool (2)	3	
400.0281	Timing pin Ø 12.7 mm	569	
400.0603	Crankshaft timing pin, 83 mm	51	
400.0609	Flywheel locking tool 133 x 40 mm	308	
400.0614	Locking pin, Ø 8.25 mm	40	
400.0615	Crankshaft pulley setting tool, 60 mm	190	
400.0616	Flywheel locking adaptor 50 mm	74	
400.9015	Injection pump locking pin Ø 15.4 mm	126	
400.9017	Camshaft setting strap for VAG	120	
400.9018	Injection pump wheel - locking pin Ø 6.0 mm	20	
400.9019	Tensioner locking tool	20	

Engine Timing Tool Kit for Ford / VAG

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford vehicles with TDDi / TDCi and Duratorq engines and Ford Galaxy with similar engines to Volkswagen



			€
400.1300	34 pcs	Engine Timing Tool Kit for Ford / VAG	6,68 514,90

consists of:

			€
400.0155	Crankshaft locking pin Ø 5 mm	25	
400.9019	Tensioner locking tool	20	
400.9018	Injection pump wheel - locking pin Ø 6.0 mm	20	
400.9017	Camshaft setting strap for VAG	120	
400.9015	Injection pump locking pin Ø 15.4 mm	126	
400.1309	Flywheel locking adaptor 20 mm	13	
400.1301	Torx T45 bit, 75 mm	31	
400.1107	Chain cover alignment tool	497	
400.1106	Fuel sprocket remover for Ford, 106 mm	80	
400.1105	Camshaft sprocket puller	552	
400.1101	Camshaft setting strap, 200 mm	140	
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33	
400.0904	Camshaft/injection pump locking pin	26	
400.0903	Crankshaft locking pin	85	
400.0902	Camshaft locking tool	384	
400.0901	Tensioning locking pin, 45 mm	4	
400.0807	Pump cover locking tool	2	
400.0806	Locking tool	45	

consists of:

			€
400.0616	Flywheel locking adaptor 50 mm	74	
400.0615	Crankshaft pulley setting tool, 60 mm	190	
400.0609	Flywheel locking tool 133 x 40 mm	308	
400.0603	Crankshaft timing pin, 83 mm	51	
400.0165	Camshaft locking pin 5.0 mm	19	
400.0251	Injection pump locking pin Ø 6.0 mm	30	
400.0257	Crankshaft TDC locking pin Ø 5 mm, 160 mm	124	
400.0258	Shim tool (2)	3	
400.0355	Tensioner pushrod retension pin	1	
400.0576	Flywheel locking pin Ø 12 mm	64	
400.0577	Flywheel locking tool Ø 8 mm, 126 mm	124	
400.0578	Flywheel locking pin	122	

GM

Engine Timing Tool Set for GM / Opel

- For the professional engine repair
- For locking the cam shaft or chain tensioner
- Very high degree of accuracy

Application range: Opel Astra-G, Vectra-B, Vectra-C, Signum, Zafira-A (engine code: Z22SE / Z22YH)



			€
400.2325	2 pcs	Engine Timing Tool Set for GM / Opel	787 68,50

consists of:

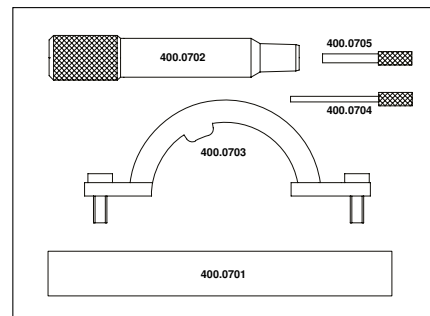
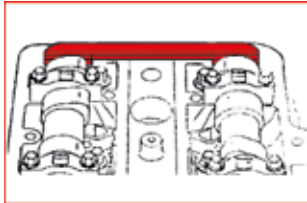
			€
400.2326	Camshaft locking tool, 260 mm	786	
400.2327	Timing chain tensioner locking pin	1	



Engine Timing Tool Set for GM / Isuzu / Opel / Saab

- For the professional engine repair
- Especially for chain-driven vehicles
- For locking dual cam shafts
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Astra-G, Astra-H, Combo-C, Corsa-B, Corsa-C, Corsa-D, Meriva-A, Tigra-B (1993-2010) with 1.0 12V / 1.2 16V engines (engine code: X10XE / Z10XE / Z10 XEP / X12XE / Z12XE / Z12 XEP / Z14XEL / Z14XEA) and similar **Isuzu-** and **Saab-**engines



				€
400.0700	5 pcs	Engine Timing Tool Set for GM / Isuzu / Opel / Saab	1060	79,50

consists of:

400.0701	Camshaft timing tool 155 mm	120	
400.0702	Flywheel TDC locking pin Ø 12 mm, 113 mm	205	
400.0703	Camshaft position (CMP) sensor disc setting tool	110	
400.0704	Tensioner retaining pin, Ø2,5mm	5	
400.0705	Tensioner retaining pin, Ø4,0mm	5	

Engine Timing Tool Set for GM / Opel

- For the professional engine repair
- Expansion set
- For engines without thread attachment bore holes
- Very high degree of accuracy

Application range: Opel Astra-F, Astra-G, Cavalier, Vectra-A (1997 - 2001) with 1.7 engines (engine code: 17DR / X17DT / DTL)



				€
400.0650	5 pcs	Engine Timing Tool Set for GM / Opel	380	31,50

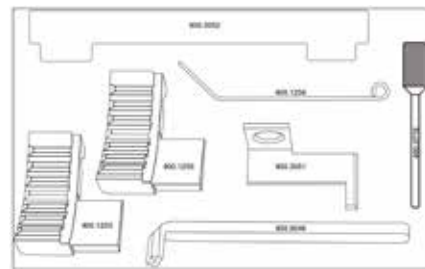
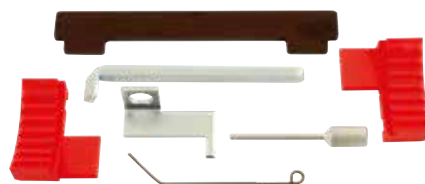
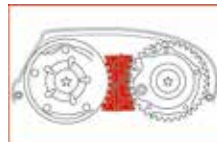
consists of:

400.0651	Camshaft locking tool (3), 110 x 50 mm	169	
400.0652	Flywheel TDC indicator	80	
400.0653	Flywheel locking pin with spring on ring, 103 mm	79	

Engine Timing Tool Set for Alfa Romeo / Fiat / GM / Opel

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Chevrolet Cruze, Orlando with 1.4 / 1.6 / 1.8 engines, Opel Astra-G, Astra-H, Corsa-D, Insignia, Meriva, Signum, Vectra-C, Zafira-B, Fiat Croma, Alfa Romeo 159 (engine code: Z / A / 939A4.000)



				€
400.3050	7 pcs	Engine Timing Tool Set for Alfa Romeo / Fiat / GM / Opel	424	74,90

consists of:

400.0778	Locking pin, 80 mm	20	
400.1255	Camshaft locking tool for Opel (2), red	56	

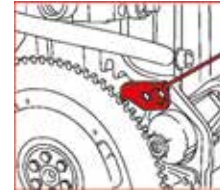
consists of:

400.1256	Tensioner locking pin for 400.1250	3	
400.3051	Flywheel holding tool	32	
400.3052	Camshaft Locking Bar	148	
400.9046	Flywheel locking tool, 130 mm	80	

Flywheel locking tool for GM / Opel

- For locking the fly wheels
- For easily attaching to one of the small fixing pins next to the fly wheel
- Special tool steel

Application range: for all Opel and GM 4 and 6 cylinder CIH, 24V and OHC engines



				€
400.9045	Flywheel locking tool for GM / Opel	80		5,50



HONDA

Crankshaft pulley retainer for Honda

- 6 point
- ideally suited for holding the crankshaft belt pulleys in place when loosening the fastening screw
- Maximum holding force
- Very high degree of accuracy

Application range: Honda Prelude, Accura V6



	mm	Length mm	kg	€
400.0015	45	210,0	0,51	35,50

Crankshaft pulley retainer for Honda

- 6 point
- ideally suited for holding the crankshaft belt pulleys in place when loosening the fastening screw
- Maximum holding force
- Very high degree of accuracy
- One component handle



	mm	Length mm	kg	€
400.0016	50	715,0	1,85	85,50



Engine Timing Tool Set for Honda

- For the professional engine repair
- For locking the belt drive on twin-cam, dual-cam shaft engines
- Very high degree of accuracy

Application range: Honda Civic, Accord, Prelude, Shuttle, Odyssey (engine code: F18A3 / F18B2 / F18B4 / F20AF / F20B3 / F20B5 / F20B6 / F20B7 / F20Z1 / F20Z2 / F22Z2 / F22B5 / F22B8 / F22A2 / H22A5 / H22A7 / H22A8 / F23A7 / F23Z5 / H23A2 / H23A3 / J30A1 / B16A2 / F18A3)



		kg	€
400.2525	5 pcs Engine Timing Tool Set for Honda	194	37,50

consists of:

	X	kg	€
400.0185	2 Camshaft locking pin 5.0 mm	19	
400.0753	1 Locking screw M6 x 30.0 mm	10	
400.2526	1 Tensioner locking pin tool	60	
400.2527	1 Balance shaft locking tool	46	

HYUNDAI

Injection pump pinion puller for Hyundai / Kia

- especially suitable for removing the high-pressure injection pump pinion
- Sturdy design
- Very high degree of accuracy
- Special tool steel

Application range: Hyundai and Kia with 2.0 l or 2.2 l CRDI engines with timing chain

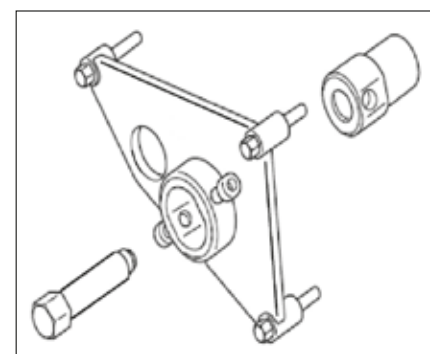


		kg	€
400.0017	Injection pump pinion puller for Hyundai / Kia	350	71,90

Injection pump pinion puller set for Hyundai / Kia

- especially suitable for removing the high-pressure injection pump pinion
- Sturdy design
- Very high degree of accuracy
- Special tool steel
- In durable plastic storage case

Application range: Hyundai and Kia (2001 - 2016) with 1.1 l, 1.4 l, 1.5 l, 1.6 l or 1.7 l CRD engines with timing chain



		kg	€
400.0018	8 pcs Injection pump pinion puller set for Hyundai / Kia	1,53	109,50

consists of:

		kg	€
400.0078	Pressure screw	122	
400.0079	Puller plate with screws	900	
400.0083	Injection pump pinion puller	216	

Engine Timing Tool Set for Hyundai / Mitsubishi / Volvo

- For the professional engine repair
- For actuating belt tensioners
- Very high degree of accuracy

Application range: universal usage on many Hyundai, Mitsubishi, Volvo vehicles



		kg	€
400.0075	2 pcs Engine Timing Tool Set for Hyundai / Mitsubishi / Volvo	131	33,50

consists of:

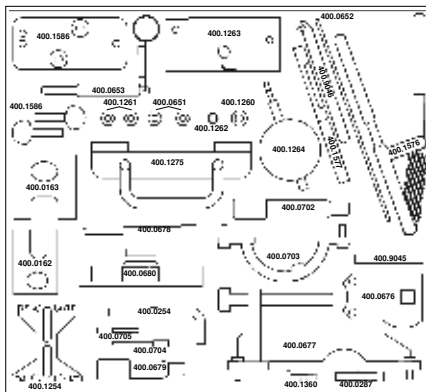
		kg	€
400.0076	Tensioning locking pin, 250 mm	630	
400.0077	Belt tensioner wrench	210	

ISUZU

Engine Timing Tool Kit for Isuzu / GM / Opel / Saab

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Ascona, Astra-F, Astra-G, Corsa-B, Corsa-C, Frontera, Kadett-E, Midi, Monterey, Omega-B, Sintra, Vectra-A, Vectra-B, Vectra-C, Zafira and similar **Isuzu** and **Saab** vehicles



Part No.	Quantity	Description	Weight (kg)	Price (€)
400.1575	32 pcs	Engine Timing Tool Kit for Isuzu / GM / Opel / Saab	3,91	491,50

consists of:

Part No.	Quantity	Description	Weight (kg)
400.0162	1	Camshaft locking tool for Opel / Saab, blue	186
400.0163	1	Camshaft locking tool for GM / Opel, gold	143
400.0254	1	Locking pin Ø 9.5 mm	60
400.0287	1	Screw M8 x 40,0 mm	18
400.0652	1	Flywheel TDC indicator	80
400.0653	1	Flywheel locking pin with spring on ring, 103 mm	79
400.0676	1	Camshaft turning tool	7
400.0677	1	Bracket for timing adjustment wrench	111
400.0678	1	Injection pump locking pin, Ø 6 mm, 110 mm	41
400.0679	1	Flywheel TDC locking pin Ø 12 mm, 86 mm	160
400.0680	1	Camshaft locking tool 120 mm	322
400.0702	1	Flywheel TDC locking pin Ø 12 mm, 113 mm	205
400.0703	1	Camshaft position (CMP) sensor disc setting tool	110
400.0704	1	Tensioner retaining pin, Ø2,5mm	5
400.0705	1	Tensioner retaining pin, Ø4,0mm	5
400.1254	1	Flywheel locking tool, 70 x 54 mm	23
400.1260	1	Screw for 400.1263	9
400.1261	1	Locking screw M6 x 10,0 mm	4
400.1262	1	Special tip	10
400.1263	1	Mounting bracket assy	330
400.1275	1	Camshaft setting strap (TDC)	404
400.1360	1	Flywheel locking tool Ø 7 mm	82

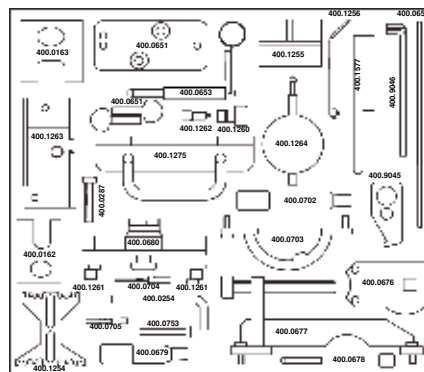
consists of:

Part No.	Quantity	Description	Weight (kg)
400.1576	1	Belt tensioner adjuster	297
400.1577	1	Camshaft setting strap 140 mm	99
400.9045	1	Flywheel locking tool, 62 x 30 mm	80
400.9046	1	Flywheel locking tool, 130 mm	80
400.1264	1	Dial gauge Ø 51 (10 x 0.01 mm) 103 mm	161
400.0651	1	Camshaft locking tool (3), 110 x 50 mm	169

Engine Timing Tool Set for GM / Isuzu / Opel / Saab

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Ascona, Astra-F, Astra-G, Astramax, Belmont, Cavalier, Corsa-B, Corsa-C, Frontera, Kadett-E, Midi, Monterey, Omega-B, Sintra, Vectra-A, Vectra-B, Vectra-C, Zafira with petrol and diesel engines including Eco-Tec engines and similar **Isuzu** and **Saab** engines



Part No.	Quantity	Description	Weight (kg)	Price (€)
400.1250	36 pcs	Engine Timing Tool Set for GM / Isuzu / Opel / Saab	6,18	472,90

consists of:

Part No.	Quantity	Description	Weight (kg)
400.0162	1	Camshaft locking tool for Opel / Saab, blue	186
400.0163	1	Camshaft locking tool for GM / Opel, gold	143
400.0254	1	Locking pin Ø 9.5 mm	60
400.0287	1	Screw M8 x 40,0 mm	18
400.0651	1	Camshaft locking tool (3), 110 x 50 mm	169
400.0652	1	Flywheel TDC indicator	80
400.0653	1	Flywheel locking pin with spring on ring, 103 mm	79
400.0676	1	Camshaft turning tool	7
400.0677	1	Bracket for timing adjustment wrench	111
400.0678	1	Injection pump locking pin, Ø 6 mm, 110 mm	41
400.0679	1	Flywheel TDC locking pin Ø 12 mm, 86 mm	160
400.0680	1	Camshaft locking tool 120 mm	322
400.0702	1	Flywheel TDC locking pin Ø 12 mm, 113 mm	205

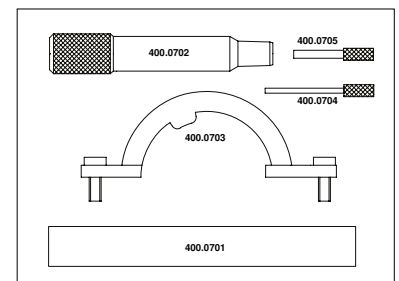
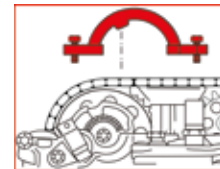
consists of:

Part No.	Quantity	Description	Weight (kg)
400.0703	1	Camshaft position (CMP) sensor disc setting tool	110
400.0704	1	Tensioner retaining pin, Ø2,5mm	5
400.0705	1	Tensioner retaining pin, Ø4,0mm	5
400.0753	1	Locking screw M6 x 30,0 mm	10
400.1254	1	Flywheel locking tool, 70 x 54 mm	23
400.1255	1	Camshaft locking tool for Opel (2), red	56
400.1256	1	Tensioner locking pin for 400.1250	3
400.1260	1	Screw for 400.1263	9
400.1261	4	Locking screw M6 x 10,0 mm	4
400.1262	1	Special tip	10
400.1263	1	Mounting bracket assy	330
400.1264	1	Dial gauge Ø 51 (10 x 0.01 mm) 103 mm	161
400.1275	1	Camshaft setting strap (TDC)	404
400.9045	1	Flywheel locking tool, 62 x 30 mm	80
400.9046	1	Flywheel locking tool, 130 mm	80
400.1577	1	Camshaft setting strap 140 mm	99

Engine Timing Tool Set for GM / Isuzu / Opel / Saab

- For the professional engine repair
- Especially for chain-driven vehicles
- For locking dual cam shafts
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Astra-G, Astra-H, Combo-C, Corsa-B, Corsa-C, Corsa-D, Meriva-A, Tigra-B (1993-2010) with 1.0 12V / 1.2 16V engines (engine code: X10XE / Z10XE / Z10 XEP / X12XE / Z12XE / Z12 XEP / Z14XEL / Z14XE) and similar **Isuzu**- and **Saab**-engines



Part No.	Quantity	Description	Weight (kg)	Price (€)
400.0700	5 pcs	Engine Timing Tool Set for GM / Isuzu / Opel / Saab	1060	79,50

consists of:

Part No.	Quantity	Description	Weight (kg)
400.0701	1	Camshaft timing tool 155 mm	120
400.0702	1	Flywheel TDC locking pin Ø 12 mm, 113 mm	205
400.0703	1	Camshaft position (CMP) sensor disc setting tool	110
400.0704	1	Tensioner retaining pin, Ø2,5mm	5
400.0705	1	Tensioner retaining pin, Ø4,0mm	5

Camshaft locking device for GM / Isuzu / Opel / Saab

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Aluminium
- Very high degree of accuracy

Application range: Opel Tigra 2004 - 2008 (engine code: Z18XE) with 1.8 engines, Frontera, Frontera-B and Sintra-A, Omega-B 1995 - 2004 (engine code: X22SE, X33XE, YEESE, Y22XE Z22XE) with 2.2 16V engines. Saab 9-3 1996 - 2005 with 1.8 engines (engine code: Z18XE) and similar Isuzu and Saab engines



		🔑	€
400.0162	Camshaft locking device for GM / Isuzu / Opel / Saab	186	21,50

IVECO

Engine Timing Tool Set for Fiat / Iveco

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Fiat Ducato, Iveco Daily with 2.3 / 3.0 JTF engines (engine code: F1AE0481C, F1AE0481D, F1AE0481N, F1CE0481D)



		🔑	€
400.0400	5 pcs Engine Timing Tool Set for Fiat / Iveco	518	64,50

consists of:

		🔑	€
400.0161	Crankshaft TDC locking pin, 102 mm	75	
400.0165	Camshaft locking pin 5.0 mm	19	
400.0401	Camshaft aligning tool (2)	70	
400.0402	Crankshaft timing pin, Fiat	200	



Engine Timing Tool Kit for Fiat / Iveco / PSA

- For the professional engine repair
- For locking the cam shaft or fly wheels
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat Ducato 2.8 TD, JTD, Iveco 2.8 D, TD1, Citroën Relay, Jumper, Peugeot Boxer, Boxer II (engine code: 8140,43 / 8140.43N / 8140.43S / 8140,63)



		🔑	€
400.3000	5 pcs Engine Timing Tool Kit for Fiat / Iveco / PSA	200	59,90

consists of:

		🔑	€
400.0165	Camshaft locking pin 5.0 mm	19	
400.1377	Tensioning locking pin Ø 8 mm	35	
400.1388	Tensioner adjuster Ø 30 mm	41	
400.3001	Flywheel holding tool, 45 mm	106	

JAGUAR

Injection Pump Wheel Removal Tool for Jaguar / Land Rover

- Ideal for securing the injection pump for adjustment work on engines
- Simple handling
- Special tool steel

Application range: Jaguar XF, XJ, Land Rover Discovery 4, Range Rover and Range Rover Sports (2009 - 2014) with 3.0 l diesel engines



		🔑	€
400.0004	Injection Pump Wheel Removal Tool for Jaguar / Land Rover	152	37,50

Oil pump locking tool for Ford / Jaguar / Land Rover

- especially suitable for staking out the oil pump
- Sturdy design
- Special tool steel

Application range: Ford Mondeo and Transit, Jaguar X400 and X Type for 2.0 l, 2.2 l, 2.4 l, 3.2 l diesel engines and 2.3 l petrol engines



		🔑	€
400.4455	Oil pump locking tool for Ford / Jaguar / Land Rover	60	7,50

Flywheel locking tool set for Jaguar / Land Rover

- suitable for locking the flywheel
- for mounting and dismantling the front pulley screw
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

Application range: Jaguar F-Type (2013 - 2017), XF (2009 - 2015), XFR/S (2009 - 2015), XJ (2010 - 2017), XJR (2013 - 2017), XK8 (2009 - 2015), XKR (2009 - 2015), Land Rover Discovery (2009 - 2016), Range Rover (2009 - 2017) and Range Rover Sport (2009 - 2017) with 5.0 l petrol engines (engine code: AJ-133/508PS / AJ-133/508PN / 508PS / 508PN)



		🔑	€
400.4470	5 pcs Flywheel locking tool set for Jaguar / Land Rover	863	95,50

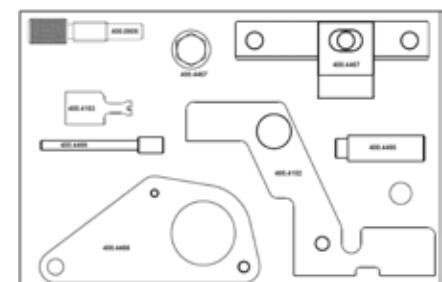
consists of:

		🔑	€
400.4471	Engine support beam with screws	380	
400.4472	Locking tool, slotted	208	
400.4473	Locking tool with wedge	181	

Engine Timing Tool Set for Jaguar / Land Rover

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Jaguar XE (2015 - 2016), XF (2012 - 2015), XJ (2013 - 2016), Land Rover Discovery Sport (2015 - 2016), Freelander 2 (2012 - 2015) and Range Rover Evoque (2011 - 2016) with 2.0 l GTDi and Si4 diesel engines (engine code: 204PT)



		🔑	€
400.4465	8 pcs Engine Timing Tool Set for Jaguar / Land Rover	2,65	215,50

consists of:

400.4152	Cam shaft alignment plate 149 mm	250	
400.4466	Crankshaft alignment tool plate with guides and pins	450	
400.4153	Pin for aligning the cam shaft	30	
400.4467	Flywheel locking tool	700	
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33	



Engine Timing Tool Kit for Land Rover / Jaguar

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

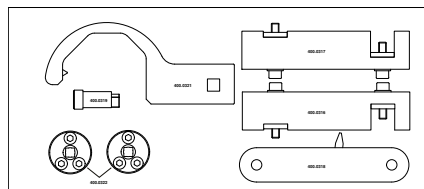
Application range: Land Rover Discovery, Range Rover Sport with 2.7 TDV6 engines and Jaguar S Type with TDV6 engines, including fly wheel locking tool for automatic and manual transmissions (engine code: 276D T)



Engine Timing Tool Kit for Land Rover / Jaguar

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

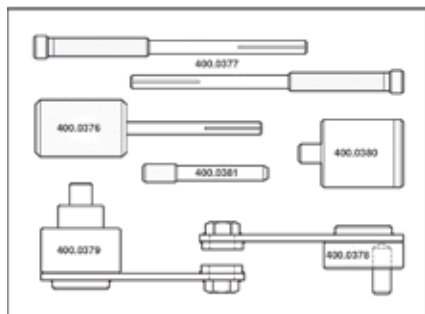
Application range: Land Rover Discovery 4, Range Rover, Range Rover Sport with 5.0 l engines (engine code: 508PN/508PS) and Jaguar XF, XFR, XJ XK8, XKR with 5.0 l engines (engine code: AJ-133/508PN/AJ-133/508PS)



			€
400.0315	7 pcs Engine Timing Tool Kit for Land Rover / Jaguar	5,35	292,50

consists of:

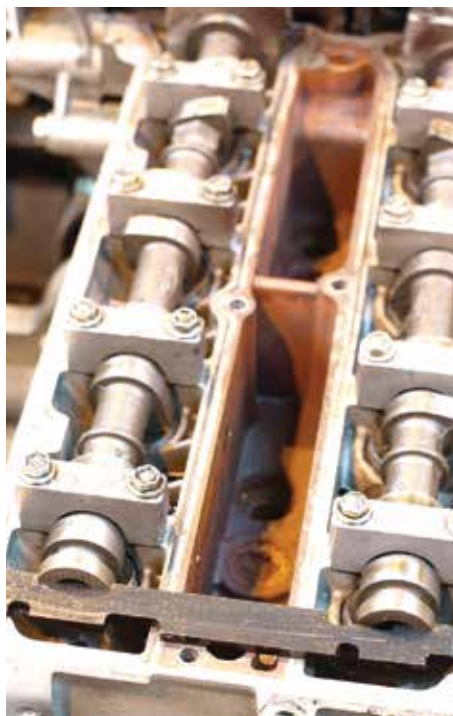
	X		
400.0316	1 Camshaft locking tool Type 1	1,28	
400.0317	1 Camshaft locking tool Type 2	1,28	
400.0318	1 Flywheel locking tool, 175 mm	0,41	
400.0319	1 Crank shaft fixing tool with square drive	0,08	
400.0321	1 Pre-tensioning key with square drive	0,28	
400.0322	2 Cam shaft turning tool Ø 45.0 mm	0,21	



			€
400.0375	7 pcs Engine Timing Tool Kit for Land Rover / Jaguar	912	127,50

consists of:

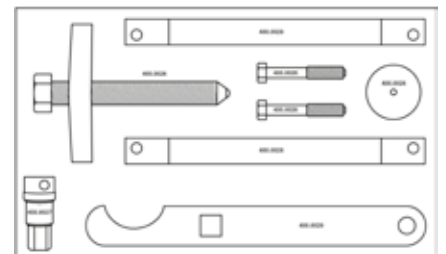
400.0376	Camshaft sprocket locking tool	165	
400.0377	Camshaft sprocket locking pin (2)	68	
400.0378	Flywheel locking tool-automatic tensioner	195	
400.0379	Flywheel locking tool-manual tensioner	268	
400.0380	Flywheel locking tool Ø 30 mm	222	
400.0381	Coolant Pump tensioning locking pin	30	



Engine Timing Tool Kit for Jaguar / Land Rover

- For the professional engine repair
- Especially for chain-driven vehicles
- Very high degree of accuracy
- In durable steel storage case

Application range: Jaguar and Mercedes V8, Sport 4.0 / 3.2 / 4.2 / 3.5, S-Type, XJ8, XJR, XK8, XKR (< 2010) with 4.0 / 4.2 V8 engines (engine code: BC / LB / LC / GC / AC / KC / DC / CC / CE / NC / EG / PA / HB / 1B / RB / SB / TB / 3B / PC / NB), Land Rover Discovery3, Range Rover 4.2, Supercharged 4.4 (engine code: 4PN / 428PS)



			€
400.0025	8 pcs Engine Timing Tool Kit for Jaguar / Land Rover	3,51	344,50

consists of:

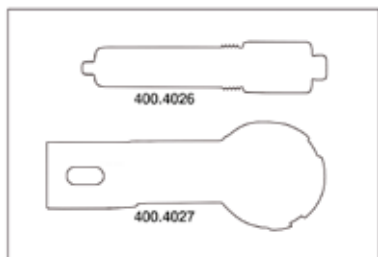
400.0026	Crankshaft pulley puller (4)	530	
400.0027	Crankshaft locking tool	70	
400.0028	Camshaft locking tool (2) , 185 mm	740	
400.0029	Timing chain wrench, 205 mm	200	

JEEP

Engine Timing Tool Set for Chrysler

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: **Jeep** Cherokee (2008-2011) with 2.8 CRD (engine code: ENS(51C), **Chrysler** Grand Voyager (2008-2011) (engine code: VM64C)



		kg	€
400.4025	2 pcs Engine Timing Tool Set for Chrysler	500	59,90

consists of:

		kg	€
400.4026	Crankshaft locking tool 106 mm	160	
400.4027	Camshaft locking tool 102 mm	340	

Flywheel Pegging Tool Set for Chrysler / Jeep

- ideal for fixing the flywheel
- Simple handling
- for use with 400.2450 Engine Timing Tool Set for Chrysler
- Special tool steel

Application range: **Chrysler / Jeep** Cherokee (2001 - 2008) with 2.5 l and 2.8 l diesel engines



		kg	€
400.4405	2 pcs Flywheel Pegging Tool Set for Chrysler / Jeep	72	20,50

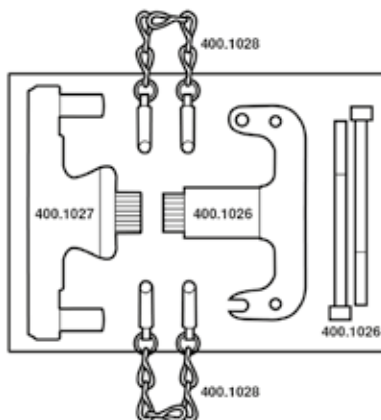
consists of:

		kg	€
400.4406	Flywheel Pegging Tool, 2.5 l	35	
400.4407	Flywheel Pegging Tool, 2.8 l	35	

Engine Timing Tool Kit for Chrysler / Mercedes

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: **Mercedes** vehicles with 2.2 / 2.7 CRD engines, **Chrysler** PT Cruiser with 2.2 CRD engines, **Jeep** Grand Cherokee with 2.7 CRD engines



		kg	€
400.1025	6 pcs Engine Timing Tool Kit for Chrysler / Mercedes	1,46	173,50

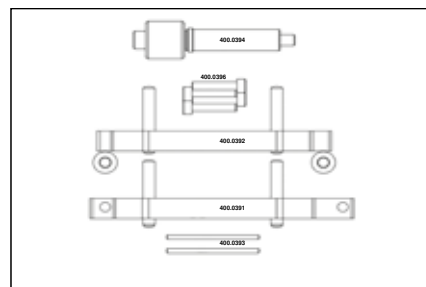
consists of:

		kg	€
400.1026	Flywheel locking tool (3) 105 mm	197	
400.1027	Flywheel locking tool 125 mm	436	
400.1028	Camshaft locking tool (2) Ø 6 mm	36	

Engine Timing Tool Set for Jeep

- For the professional engine repair
- For blocking the cam and balance shafts
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: **Jeep** Grand Cherokee with 3.0 CRD/Multi-jet engines (engine code: EXF VM23D/EXF VM44D)



		kg	€
400.0390	9 pcs Engine Timing Tool Set for Jeep	2,15	247,50

consists of:

		X	kg	€
400.0391	1	Opel Camshaft locking tool (right), 176 mm	375	
400.0392	1	Camshaft locking tool left, 162 mm	393	
400.0393	2	Tension locking pin Ø 3,0 mm	4	
400.0394	1	Crank shaft locking pin with screw M8x1.25, 2 pcs	192	
400.0396	4	Screw M6x30	32	

Riveting tool for timing chains for Mercedes / Chrysler / Jeep

- For the professional engine repair
- for mounting and dismantling the timing chain
- Provisional chain links facilitate installation
- Very high degree of accuracy
- Special tool steel

Application range: **Mercedes** 1.7 D, 2.1 D, 2.2 D, 2.7 D, 3.0 D, 3.2 D, 3.9 D, 4.0 CDI, **Chrysler** and **Jeep** 2.2 D, 2.7 D, 3.0 CRD



		kg	€
400.4605	17 pcs Riveting tool for timing chains for Mercedes / Chrysler / Jeep	2,90	418,50

consists of:

X			
400.4606	1	Press-out tool for chain links	900
400.4607	1	Press-in tool for chain links	950
400.4608	1	Die for fixing	46
400.4609	1	Die for flanging and pressing	62
400.4610	1	Die jaw for flanging or pressing	62
400.4611	1	Die for fixing	70
400.4612	2	Press-out pin for chain link, Ø 2.75 mm	3
400.4613	1	Mounting element set (provisional)	20
400.4614	1	Die for fixing	52
400.4615	1	Chain link press-out spindle	106
400.4616	1	Einzugsglied set (provisional)	14
400.4617	1	Fixing screw for die	5
400.4618	1	Dies for fixing	46
400.4619	1	Dies for fixing	66
400.4621	2	Press-out pin for chain link, Ø 4.0 mm	5

KIA

Injection pump pinion puller for Hyundai / Kia

- especially suitable for removing the high-pressure injection pump pinion
- Sturdy design
- Very high degree of accuracy
- Special tool steel

Application range: Hyundai and Kia with 2.0 l or 2.2 l CRDI engines with timing chain



			€
400.0017	Injection pump pinion puller for Hyundai / Kia	350	71,90

Injection pump pinion puller set for Hyundai / Kia

- especially suitable for removing the high-pressure injection pump pinion
- Sturdy design
- Very high degree of accuracy
- Special tool steel
- In durable plastic storage case

Application range: Hyundai and Kia (2001 - 2016) with 1.1 l, 1.4 l, 1.5 l, 1.6 l or 1.7 l CRD engines with timing chain



			€
400.0018	8 pcs Injection pump pinion puller set for Hyundai / Kia	1,53	109,50

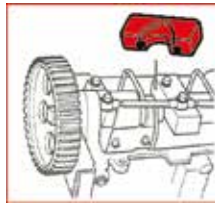
consists of:

X			
400.0078	1	Pressure screw	122
400.0079	1	Puller plate with screws	900
400.0083	1	Injection pump pinion puller	216

LANCIA

Camshaft alignment tools for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For locking the cam shaft wheels (TDC position)
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

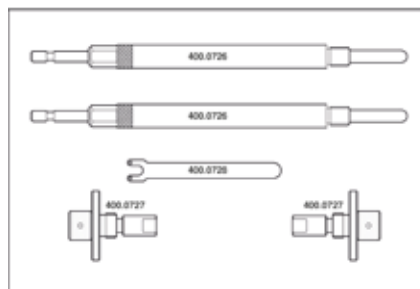


X		Suitable for		€
400.9034	1	Brava, Bravo 1.4 12v (> 1995) Lancia Ypsilon 1.4 12v (1996 - 1999)	178	27,90
400.9035	2	Lancia Kappa 2.0 2.4 20v (1994 - 1997), Stilo 2.4 20v (> 2001)	269	43,90

Engine adjustment tool set for Alfa Romeo / Fiat

- For the professional engine repair
- For locking the cam shaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Alfa Romeo Giulietta, Mito, Fiat 500, Brava, Bravo, Grande Punto, Marea, Marea Weekend, Marengo, Palio Weekend, Panda, Punto Classic, Ritmo, Stilo, Idea, Lancia Delta, Susa, Ypsilon with 1.2 16V engines



			€
400.0725	5 pcs	Engine adjustment tool set for Alfa Romeo / Fiat	989 142,50

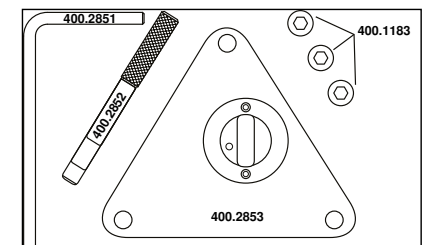
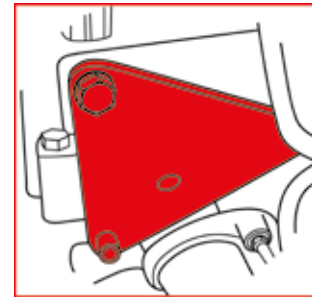
consists of:

400.0726	1	Piston height gauge (2)	250
400.0727	1	Camshaft locking tool (2) Ø 45 mm	130
400.0728	1	Tensioner adjusting tool	30

Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- Especially for chain-driven engines
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat Panda, Punto, 500, 500c, Alfa Romeo Mito, Lancia Ypsilon (engine code: 313A2.000)



			€
400.2850	6 pcs	Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia	1,60 86,90

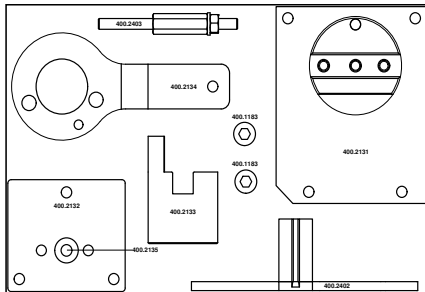
consists of:

X			
400.2851	1	Flywheel locking tool 115 mm	460
400.2853	1	Camshaft Locking Plate	490
400.2852	1	Pulley locking pin	550
400.1183	3	Camshaft alignment tool bolt M8 x 25 mm	15

Engine Timing Tool Set for Alfa Romeo / Lancia

- For the professional engine repair
- For blocking the cam and crank shafts
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

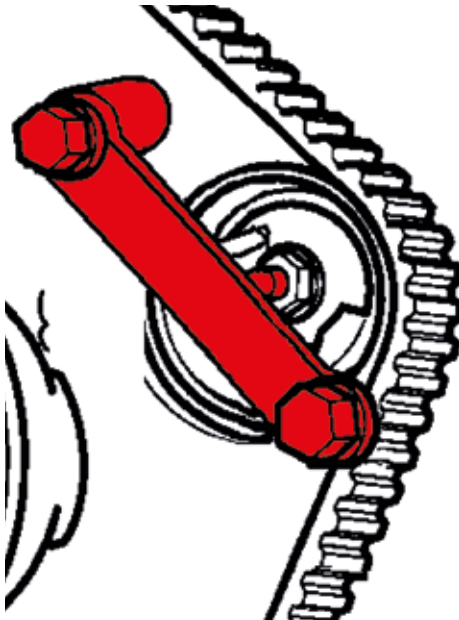
Application range: Alfa Romeo 159, Brera, Giulietta, Spider, Lancia Delta with 1.75 Tbi engines >2009 (engine code: 939B1.000/940A1.000)



			€
400.2130	9 pcs Engine Timing Tool Set for Alfa Romeo / Lancia	3,08	233,50

consists of:

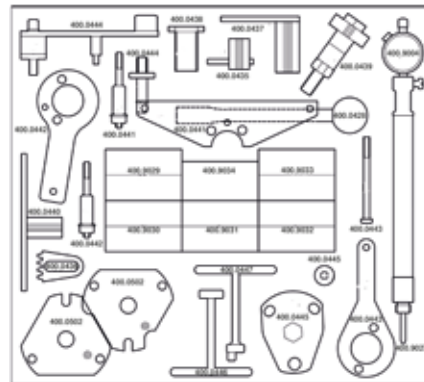
X		
400.2402	1 Flywheel sprocket alignment tool 134 mm	130
400.2403	1 Stud assembly	33
400.1183	2 Camshaft alignment tool bolt M8 x 25 mm	15
400.2134	1 Crankshaft locking tool 130 mm	271
400.2135	1 Countersunk screw, M6x16	10
400.2131	1 Cam shaft arresting tool with plate	892
400.2132	1 Cam shaft alignment plate with pins	362
400.2133	1 Cam shaft alignment tool for alignment plate	193



Engine Timing Tool Set for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For locking the crank shaft and cam shaft
- Suitable for pre-tensioning timing belt tensioner on the automatic pulley
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: universal usage on many Italian vehicles, in particular Alfa Romeo, Fiat, Lancia vehicles with 1.4 / 1.6 / 1.8 / 2.0 / Twinspark 1.2 / 1.4 / 1.6 / 1.8 16 V petrol engines 1.6 / 1.8 / 1.9D / TD / 2.0 / 2.1 12V / 2.4 diesel engines



			€
400.0425	36 pcs Engine Timing Tool Set for Alfa Romeo / Fiat / Lancia	7,57	885,90

consists of:

400.0428	Tensioning tool-pry 180 mm	170
400.0435	Flywheel locking tool 45 x 30 mm	57
400.0436	Flywheel locking tool, 28 x 45 mm	135
400.0437	Flywheel locking tool 77 x 60 mm	100
400.0438	Flywheel locking tool 44 x 35 mm	51
400.0439	Flywheel locking tool 87 x 40 mm	317
400.0440	Flywheel locking tool 135 x 40 mm	136
400.0441	Crankshaft timing tool (3) 175 mm	154
400.0442	Crankshaft timing tool (2) 130 mm	154
400.0443	Crankshaft timing tool (3)	160
400.0444	Tensioning tool	240
400.0445	Camshaft locking tool (2), Alfa Romeo, Fiat, Lancia	530
400.0446	Balancer shaft belt tensioning tool	97
400.0447	Tensioning tool-pry 93 mm	70
400.0502	Camshaft locking tool (2) 86 x 78 mm	400
400.9004	Precision-dial indicator gauge 0-10 mm, Ø 40 mm	78
400.9027	TDC determining pin Ø 5,0 mm / dial indicator bracket M14 x 1.25	288

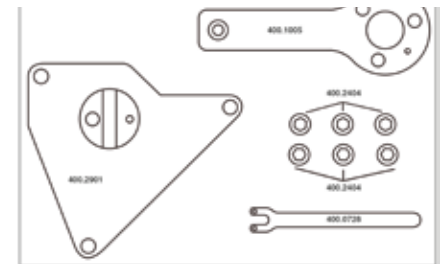
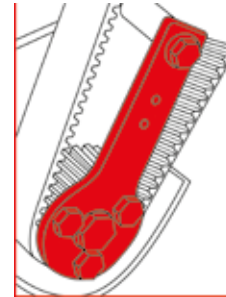
consists of:

400.9029	Camshaft locking tool (2), B	276
400.9030	Camshaft locking tool (2), C	251
400.9031	Camshaft locking tool (2), D	272
400.9032	Camshaft locking tool (2), E	269
400.9033	Camshaft locking tool (2), F	276
400.9034	Crankshaft timing tool, G	178

Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For locking the crank shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Alfa Romeo Mito, Giulietta MultiAir 105, MultiAir Turbo 135, 163 / 170 (2009-2013) Fiat Punto Evo, Punto, Bravo (2009-2013) Lancia Delta (2010-2013) - (engine code: 955A6.000 / 955A7.000 / 955A8.000 / 955A2.000 / 940A2.000)



			€
400.2900	10 pcs Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia	1,40	124,50

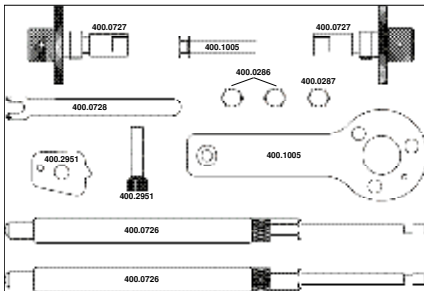
consists of:

X		
400.0728	1 Tensioner adjusting tool	30
400.1005	1 Crankshaft locking tool Ø 22 mm	7
400.2403	1 Stud assembly	33
400.2404	6 Socket head screw M8 x 20 mm	13
400.2901	1 Tensioner adjusting tool 130 mm	504

Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

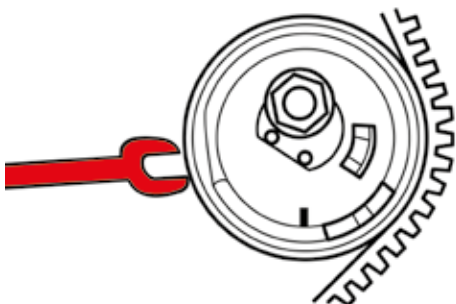
Application range: Alfa Romeo Giulietta, MiTo Fiat 500, Brava, Bravo, Grande Punto, Marea, Marea Weekend, Marengo, Palio Weekend Panda, Punto, Punto Classic, Ritmo, Stilo, Idea Lancia Delta, Musa, Ypsilon



Part No.	Description	Qty	Price (€)
400.2950	10 pcs Engine Timing Tool Kit for Alfa Romeo / Fiat / Lancia	1,22	202,50

consists of:

Part No.	Description	Qty
400.0726	Piston height gauge (2)	250
400.2951	Camshaft pulley holding tool, 35 mm	126
400.1005	Crankshaft locking tool Ø 22 mm	7
400.0728	Tensioner adjusting tool	30
400.0727	Camshaft locking tool (2) Ø 45 mm	130
400.0286	Screw M8 x 35 mm (2)	16
400.0287	Screw M8 x 40,0 mm	18

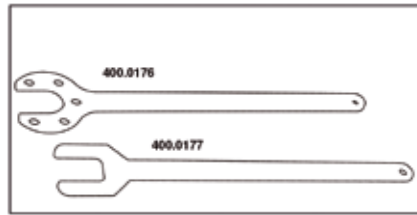


LAND ROVER

Fan hub wrench set for Land Rover

- For counter holding the Visco coupling drive shaft
- Makes it possible to secure the pulley wheel of the water pump and at the same time release the heating filter
- Also suitable for the removal of the viscous connecting socket on the cooler ventilator
- Special tool steel

Application range: Land Rover Discovery II, Range Rover, Defender 1990-2006 with Td5 or V8 engines



Part No.	Description	Qty	Price (€)
400.4175	2 pcs Fan hub wrench set for Land Rover	1,80	120,90

consists of:

Part No.	Description	Qty	Price (€)
400.0176	Holding wrench for Visco fan for Land Rover	1,05	
400.0177	Visco fan wrench 36.0 mm for Land Rover	0,78	

Selector lever locking tool for Land Rover / Range Rover

- for professional gearbox repair
- ideally suited for locking and aligning the XYZ switch on automatic transmissions
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

Application range: Land Rover V8 Defender (1990 - 2005), Discovery I (1990 - 2005), Discovery II (1990 - 2005), Range Rover Classic (1994 - 2002), P38 (1994 - 2002) (transmission code: ZF4HP22 / ZF4HP 24 / ZF4HP 44)



Part No.	Description	Qty	Price (€)
400.0081	2 pcs Selector lever locking tool for Land Rover / Range Rover	400	50,50

consists of:

Part No.	Description	Qty	Price (€)
400.0082	Selector lever locking tool	200	
400.0086	Marking pin, Ø 4 mm	80	

Injection Pump Wheel Removal Tool for Jaguar / Land Rover

- Ideal for securing the injection pump for adjustment work on engines
- Simple handling
- Special tool steel

Application range: Jaguar XF, XJ, Land Rover Discovery 4, Range Rover and Range Rover Sports (2009 - 2014) with 3.0 l diesel engines



Part No.	Description	Qty	Price (€)
400.0004	Injection Pump Wheel Removal Tool for Jaguar / Land Rover	152	37,50

Oil pump locking tool for Ford / Jaguar / Land Rover

- especially suitable for staking out the oil pump
- Sturdy design
- Special tool steel

Application range: Ford Mondeo and Transit, Jaguar X400 and X Type for 2.0 l, 2.2 l, 2.4 l, 3.2 l diesel engines and 2.3 l petrol engines



Part No.	Description	Qty	Price (€)
400.4455	Oil pump locking tool for Ford / Jaguar / Land Rover	60	7,50

Locking pins for Land Rover

- For the professional engine repair
- ideally suited for locking the camshaft, crankshaft and flywheel
- Especially for chain-driven engines
- Very high degree of accuracy

Application range: Land Rover Defender (1999 - 2007), Discovery II (1999 - 2007) for 5-cylinder diesel engines (engine code: 10P, 15P, 16P)



Part No.	Description	Qty	Price (€)
400.0019	Locking pins for Land Rover	200	8,50

Engine Timing Tool Kit for Land Rover / Rover

- For the professional engine repair
- For locking the crank shaft or fly disc
- For changing the timing belt
- Very high degree of accuracy

Application range: Land Rover Freelander 1.8 , Rover Metro, 214, 216, 218 16V, 414, 416 16V, 216, 416 GTi, Rover Diesel 218, 418



			kg	€
400.2600	3 pcs	Engine Timing Tool Kit for Land Rover / Rover	1,50	150,90

consists of:

			kg	€
400.2601		Flywheel locking tool 133 x 43,5 mm	470	
400.2602		Flywheel locking tool 140 mm	480	
400.2603		Flywheel locking tool 130 mm	460	

Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot

- For the professional engine repair
- For locking the cam shaft
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Land Rover Discovery (2009 – 2015), Discovery Sport (2009 – 2015), Freelander 2 (2009 – 2015), eD4 (2009 – 2015), TD4 (2009 – 2015), TD4e (2009 – 2015), Citroën C5 (2002 – 2015), C5 II (2002 – 2015), C5 III (2002 – 2015), C6 (2002 – 2015), C8 (2002 – 2015), C-Crosse (2002 – 2015), Mitsubishi Outlander DI-D (2007 – 2013), DI-DC (2007-2013), Peugeot 4007 (2000 – 2015), 407 (2000- 2015), 607 (2000 – 2015), 807 (2000 – 2015), 406 (2000 – 2015), 508 (2000 – 2015), 607 (2000 – 2015), GT (2000-2015), Ford Galaxy (2008 - 2015), Mondeo (2008 - 2015), S-Max (2008 - 2015) for 2.2 l diesel engines (engine codes: 224DT / DW12CTED4 224DT / DW12BTED4 224DT / 4HX (DW12CT-ED4) / 4HP (DW12BTED4) / 4HX (DW12TED4) / 4HW (DW12TED4/L4) / 4HK, 4HN / DW12MTED4 (4HK) / DW12MT-ED4 (4HN) / DW12BTED4 (4HP) / DW12BTED4 (4HR) / DW-12BTED4 (4HT) / DW12TED4/L4 (4HW) / DW12BTED4 (4HS) / DW12ATED (4HZ) / DW12ATED4 (4HX) / DW12ATED (4HZ) / DW12CTED4 (4HL), KNBB, KNBA, KNWA, Q4BA)



			kg	€
400.4450	3 pcs	Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot	680	83,50

consists of:

			kg	€
400.4451		Balance shaft locking tool	190	
400.4452		Balance shaft tool	140	
400.4453		Balance shaft adjustment tool	230	

Engine Timing Tool Set for Ford / Land Rover / PSA / Volvo

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford, Land Rover, PSA, Volvo vehicles with 2.0 / 2.2 DOHC Common-Rail Diesel engines



			kg	€
400.1625	6 pcs	Engine Timing Tool Set for Ford / Land Rover / PSA / Volvo	473	67,50

consists of:

			kg	€
400.0580		Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.0609		Flywheel locking tool 133 x 40 mm	308	
400.0903		Crankshaft locking pin	85	

Flywheel locking tool set for Jaguar / Land Rover

- suitable for locking the flywheel
- for mounting and dismounting the front pulley screw
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

Application range: Jaguar F-Type (2013 - 2017), XF (2009 - 2015), XFR/S (2009 - 2015), XJ (2010 - 2017), XJR (2013 - 2017), XK8 (2009 - 2015), XKR (2009 - 2015), Land Rover Discovery (2009 - 2016), Range Rover (2009 - 2017) and Range Rover Sport (2009 - 2017) with 5.0 l petrol engines (engine code: AJ-133/508PS / AJ-133/508PN / 508PS / 508PN)



			kg	€
400.4470	5 pcs	Flywheel locking tool set for Jaguar / Land Rover	863	95,50

consists of:

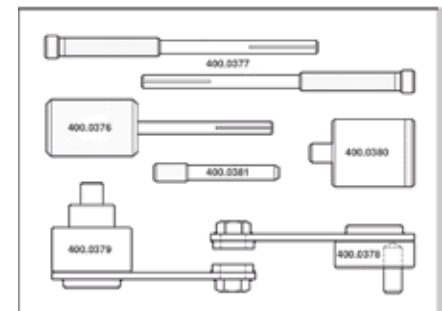
			kg	€
400.4471		Engine support beam with screws	380	
400.4472		Locking tool, slotted	208	
400.4473		Locking tool with wedge	181	



Engine Timing Tool Kit for Land Rover / Jaguar

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Land Rover Discovery, Range Rover Sport with 2.7 TDV6 engines and Jaguar S Type with TDVi V6 engines, including fly wheel locking tool for automatic and manual transmissions (engine code: 276D T)



			kg	€
400.0375	7 pcs	Engine Timing Tool Kit for Land Rover / Jaguar	912	127,50

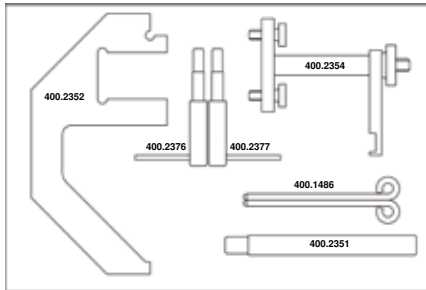
consists of:

			kg	€
400.0376		Camshaft sprocket locking tool	165	
400.0377		Camshaft sprocket locking pin (2)	68	
400.0378		Flywheel locking tool-automatic tensioner	195	
400.0379		Flywheel locking tool-manual tensioner	268	
400.0380		Flywheel locking tool Ø 30 mm	222	
400.0381		Coolant Pump tensioning locking pin	30	

Engine Timing Tool Kit for BMW / Land Rover / Rover

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt or the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: BMW 1, 3, 5, X3, Land Rover Freelander, Rover 75 (engine code: M47)



				€
400.2350	7 pcs	Engine Timing Tool Kit for BMW / Land Rover / Rover	1,03	134,90

consists of:

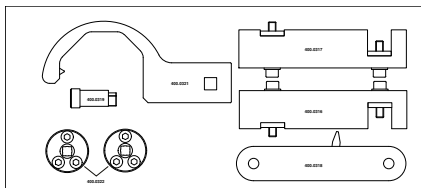
400.2351	Crankshaft TDC locking pin 130 mm	108
400.2352	Camshaft locking tool 167 x 90 mm	461
400.2354	Camshaft locking holding tool	240
400.1486	Tensioner locking pin (2)	29
400.2376	Crankshaft timing tool 73 mm	52
400.2377	Crankshaft timing tool 78,5 mm	55



Engine Timing Tool Kit for Land Rover / Jaguar

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Land Rover Discovery 4, Range Rover, Range Rover Sport with 5.0 l engines (engine code: 508PN/508PS) and Jaguar XF, XFR, XJ XK8, XKR with 5.0 l engines (engine code: AJ-133/508PN/AJ-133/508PS)



				€
400.0315	7 pcs	Engine Timing Tool Kit for Land Rover / Jaguar	5,35	292,50

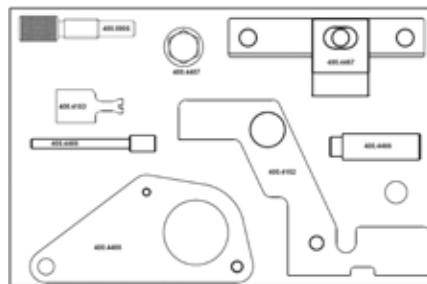
consists of:

	X	
400.0316	1 Camshaft locking tool Type 1	1,28
400.0317	1 Camshaft locking tool Type 2	1,28
400.0318	1 Flywheel locking tool, 175 mm	0,41
400.0319	1 Crank shaft fixing tool with square drive	0,08
400.0321	1 Pre-tensioning key with square drive	0,28
400.0322	2 Cam shaft turning tool Ø 45.0 mm	0,21

Engine Timing Tool Set for Jaguar / Land Rover

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Jaguar XE (2015 - 2016), XF (2012 - 2015), XJ (2013 - 2016), Land Rover Discovery Sport (2015 - 2016), Freelander 2 (2012 - 2015) and Range Rover Evoque (2011 - 2016) with 2.0 l GTDi and Si4 diesel engines (engine code: 204PT)



				€
400.4465	8 pcs	Engine Timing Tool Set for Jaguar / Land Rover	2,65	215,50

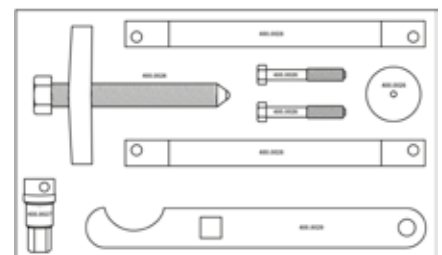
consists of:

400.4152	Cam shaft alignment plate 149 mm	250
400.4466	Crankshaft alignment tool plate with guides and pins	450
400.4153	Pin for aligning the cam shaft	30
400.4467	Flywheel locking tool	700
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33

Engine Timing Tool Kit for Jaguar / Land Rover

- For the professional engine repair
- Especially for chain-driven vehicles
- Very high degree of accuracy
- In durable steel storage case

Application range: Jaguar and Mercedes V8, Sport 4.0 / 3.2 / 4.2 / 3.5, S-Type, XJ8, XJR, XK8, XKR (< 2010) with 4.0 / 4.2 V8 engines (engine code: BC / LB / LC / GC / AC / KC / DC / CC / CE / NC / EG / PA / HB / 1B / RB / SB / TB / 3B / PC / NB), Land Rover Discovery3, Range Rover 4.2, Supercharged 4.4 (engine code: 4PN / 428PS)



				€
400.0025	8 pcs	Engine Timing Tool Kit for Jaguar / Land Rover	3,51	344,50

consists of:

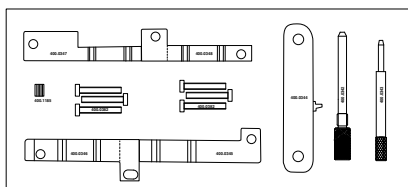
400.0026	Crankshaft pulley puller (4)	530
400.0027	Crankshaft locking tool	70
400.0028	Camshaft locking tool (2) , 185 mm	740
400.0029	Timing chain wrench, 205 mm	200



Engine Timing Tool Set for Land Rover / Range Rover

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Land Rover and Range Rover with 3.6 V8 diesel engines (engine code: 368DT)



		kg €	
400.0340	19 pcs Engine Timing Tool Set for Land Rover / Range Rover	2,84	364,90

consists of:

		kg	
X			
400.0342	1 Crank shaft locking pin, 223 mm	90	
400.0343	1 Cam shaft tommy bar 125 mm	71	
400.0344	1 Fly wheel locking plate, 150 mm	250	
400.0345	1 Camshaft alignment tool B1	240	
400.0346	1 Camshaft alignment tool B2	164	
400.0347	1 Camshaft alignment tool A1	223	
400.0348	1 Camshaft alignment tool A2	127	
400.0382	6 Screw M6x40, 45,0 mm	10	
400.0339	6 Washers M6	2	

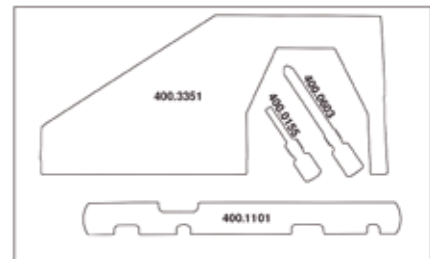
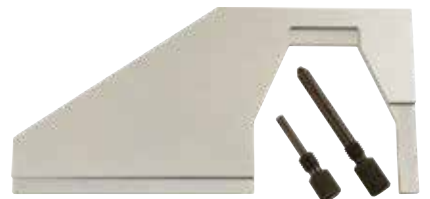
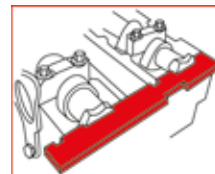


MAZDA

Engine Timing Tool Set for Ford / Mazda

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy

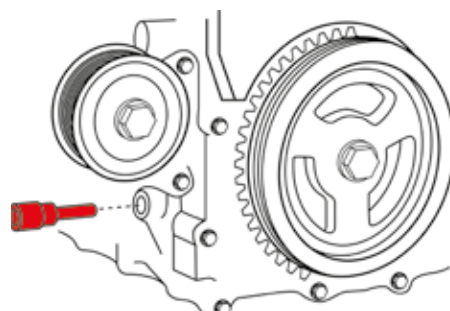
Application range: Ford Mondeo with 1.8 engines and Mazda 3, 5, 6, CV7, MX5, MPV, Tribute with Zetec/Duratec or DISI engines



		kg €	
400.3350	4 pcs Engine Timing Tool Set for Ford / Mazda	1,05	64,50

consists of:

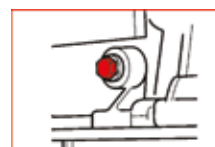
		kg	
400.0155	Crankshaft locking pin Ø 5 mm	25	
400.0603	Crankshaft timing pin, 83 mm	51	
400.1101	Camshaft setting strap, 200 mm	140	
400.3351	Camshaft Locking Plate, 220 mm	780	



Engine Timing Tool Kit for Ford / Mazda

- For the professional engine repair
- For locking the crank shaft
- Especially for Ford 16V vehicles
- Very high degree of accuracy

Application range: Ford Fiesta 1.25 / 1.4 engines, Puma 1.4 / 1.7 engines, Mondeo 1.6 / 1.8 / 2.0 engines, Mazda 121 with 1.25 engines



		kg €	
400.0175	2 pcs Engine Timing Tool Kit for Ford / Mazda	175	10,90

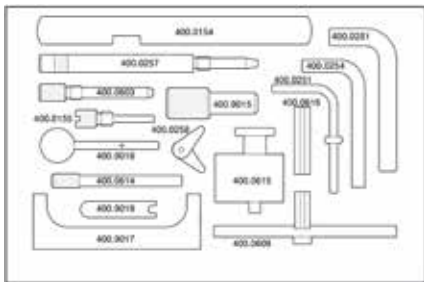
consists of:

400.0154	Camshaft setting strap 200 mm	130	
400.0155	Crankshaft locking pin Ø 5 mm	25	

Engine Timing Tool Kit for Ford / Mazda

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Ford and Mazda vehicles with 1.2 / 1.3 / 1.4 / 1.6 SOHC and 1.6 / 1.8 / 2.0 16V petrol engines, 1.8 / 1.9 D/TD / 1.9 TDi / 2.5 TDi diesel engines and Zetec engines



400.0600	20 pcs Engine Timing Tool Kit for Ford / Mazda	1,48	173,50

consists of:

400.0154	Camshaft setting strap 200 mm	130	
400.0155	Crankshaft locking pin Ø 5 mm	25	
400.0251	Injection pump locking pin Ø 6.0 mm	30	
400.0254	Locking pin Ø 9.5 mm	60	
400.0257	Crankshaft TDC locking pin Ø 5 mm, 160 mm	124	
400.0258	Shim tool (2)	3	
400.0281	Timing pin Ø 12,7 mm	569	
400.0603	Crankshaft timing pin, 83 mm	51	
400.0609	Flywheel locking tool 133 x 40 mm	308	
400.0614	Locking pin, Ø 8,25 mm	40	
400.0615	Crankshaft pulley setting tool, 60 mm	190	
400.0616	Flywheel locking adaptor 50 mm	74	
400.9015	Injection pump locking pin Ø 15.4 mm	126	
400.9017	Camshaft setting strap for VAG	120	
400.9018	Injection pump wheel - locking pin Ø 6.0 mm	20	
400.9019	Tensioner locking tool	20	

MERCEDES

Vibration damper clamps for Mercedes

- suitable for mounting and dismantling the V-ribbed belt
- Quick, problem-free and correct changing of the belt
- No damage to the pulley wheel and the belt
- for vehicles with air conditioning and start-stop function
- Minimal force required
- Special tool steel

Application range: Mercedes A-Class (W169) 2004 - 2012, B-Class (W245) 2005 - 2011



	Length mm	Width mm	Height mm		€
150.3345	182,0	40,0	20,0	360	72,90

Belt disc wrench for Mercedes 8.0 mm

- Suitable for the installation and removal of the fan coupling and the belt disc
- Required when changing the water pump
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: Mercedes engines M102, M103, OM601, OM602, OM603, OM605, OM606



150.1303	2 pcs Belt disc wrench for Mercedes 8.0 mm	460	23,50

consists of:

150.1227	Special wrench with 8.0 mm hexagonal drive, 450 mm	440	
150.1307	Bit with 8.0 mm hexagonal drive for internal hexagonal screws 8.0 mm	20	

Compressor belt disc wrench for Mercedes 10.0 mm

- Suitable for releasing the screws on the compressor belt disc
- Required when changing the water pump
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: Mercedes engines M102, M103, OM601, OM602, OM603, OM605, OM606



150.1304	2 pcs Compressor belt disc wrench for Mercedes 10.0 mm	460	25,90

consists of:

150.1227	Special wrench with 8.0 mm hexagonal drive, 450 mm	440	
150.1308	Bit with 8.0 mm hexagonal drive for internal hexagonal screws 10.0 mm	20	

V belt wrench Torx for BMW and Mercedes T60

- suitable for assembly and disassembly of the fan belt
- necessary to relieve the automatic tension pulley for pulling the fan belt
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: BMW 5 series (E60) 2.0 L petrol engine M54 and Mercedes C class (W203, W204) 1.8 L petrol engine M271 etc.



150.1234	2 pcs V belt wrench Torx for BMW and Mercedes T60	460	24,90

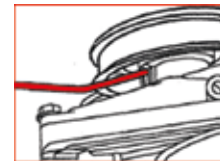
consists of:

150.1227	Special wrench with 8.0 mm hexagonal drive, 450 mm	440	
150.1236	Bit with 8.0 mm hexagonal drive for Torx screws T60, 22mm long	20	

Ventilator coupling counter hold for Mercedes

- Ideally suited to securing the ventilator coupling
- Especially slim design
- Enables easy access
- Especially curved for use
- Special tool steel

Application range: Mercedes (engine: M 103, 104)



		Length mm		€
150.3009	Ventilator coupling counter hold for Mercedes	300,0	105	6,50

Visco ventilator wrench

- For removing the hubs and bleeding with viscous couplings
- Especially slim design
- Enables easy access
- specially bent
- With hanging hole
- Special tool steel

Application range: Mercedes (engine: M 111.979, 112, 113, 119.985)



		Length mm		€
150.3008	Visco ventilator wrench	410,0	370	33,50

Visco ventilator wrench

- For removing the hubs and bleeding with viscous couplings
- Especially slim design
- Enables easy access
- With hanging hole
- Special tool steel

Application range: Mercedes engines M103 (6 cylinder), M104 (6 cylinder 4 valve), M119 (8 cylinder 4 valve), M120 (12 cylinder 4 valve)



	mm	Length mm	g	€
150.3301	65	400,0	472	39,50

Belt disc counter hold tool set for Mercedes

- For counter holding the crank shaft belt drive when releasing or tightening the crank shaft central screw
- Required when changing the belt disc or repairing the engine
- Special tool steel

Application range: Mercedes engines, e.g. M112, M113 and OM 642 etc.



			g	€
150.3310	7 pcs	Belt disc counter hold tool set for Mercedes	2,24	157,50

consists of:

	X		g
150.3311	1	Perforated disc	1219
150.3312	3	Bolts, Ø 15 mm	126
150.3313	3	Bolts, Ø 20 mm	215

Belt disc counter hold tool for Mercedes

- Damage-free and secure counter holding of the belt disc
- Long lever
- With hanging hole
- Chrome vanadium

Application range: Mercedes engines 602, 603, 604, 605, 606



	Length mm	g	€
150.1252	350,0	440	39,50

V belt tension wrench for Mercedes

- suitable for assembly and disassembly of the fan belt
- Required to pull back the automatic tension pulley and to relax the V wedge
- For hard to reach places
- Special tool steel

Application range: Mercedes Transporter 208 D and 410 D range (engine code: OM601 and OM602), also for Mercedes passenger cars with hydraulic pump for the new regulations



3/8"

		g	€
150.1239	V belt tension wrench for Mercedes	60	17,50

V wedge assembly lever for Mercedes

- suitable for assembly and disassembly of the fan belt
- Required to operate the automatic pulley
- For hard to reach places
- Bronzed bolts
- Chrome vanadium

Application range: Mercedes Type 168, 169 (A class) and Type 245 (B class)



	Ø mm	Length mm	g	€
150.1238	15,0	610,0	620	28,90

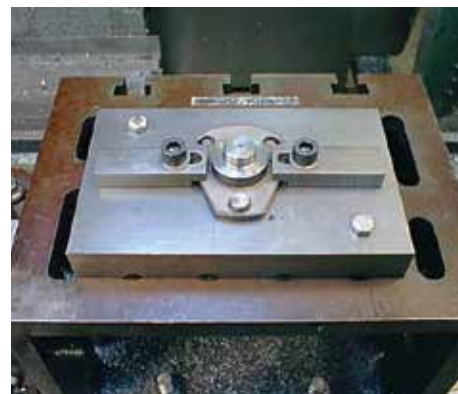
Cam shaft locking tool for Mercedes

- For the professional engine repair
- For locking the cam shaft wheels when removing the cylinder head
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

Application range: for Mercedes A-, B-, C-, CLC-, CLK-, CLS-, E-, G-, GL-, M-, R-, S-, SLK-, V classes, Sprinter, Vito and Viano with petrol engines (engine code: M104, M111, M112, M119, M120, M272, M273) and diesel engines with 4 valve technology (engine code: OM605, OM606, OM611, OM612, OM613, OM614, OM628, OM629, OM640, OM642, OM643, OM646, OM646 EVO, OM647, OM648, OM649)



	Suitable for	Ø mm	Length mm	g	€
550.1193	Mercedes	5,8 x 6,0	212,0	38	12,90



Special Torx® bit socket for Mercedes camshaft adjuster

- ideally suited for loosening and tightening the fastening screw of the camshaft adjuster
- For tamperproof Torx
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For manual operation
- Matt finish
- Chrome vanadium

Application range: Mercedes C-Class Type 203, 204, 205, CLK 209, E-Class Type 211, 212, Coupé Type 207, SLK Type 171, 172, G-Class Type 463, Sprinter Type 906

Petrol engines: M133, M157, M176, M177, M270, M271, M271.8, M271.9, M272, M273, M274, M276, M278



1/2"

	D1 mm	D2 mm	L mm	g	€
400.0001	25,0	22,0	78	180	10,90

Torx e-key for camshaft socket screw connections for Mercedes

- ideal for loosening and tightening the fastening screws on the camshaft wheels, e.g. when changing the control chain
- suitable for narrow spaces before the bulkhead
- Bevel ensures simply application
- Internal square drive to DIN 3121 / ISO 1174
- For manual operation
- Matt finish
- Chrome vanadium

Application range: Mercedes A-Class Type 176, C-Class Type 204, 205, E-Class Type 212, S-Class Type 221, 222, V-Class Type 639, 447, CLA Type 117, GLA Type X156, GLK Type X204, CLS Type C/X218, ML Type 166, SLK / SLC Type 172, GLC Type X253 and Sprinter Type 206 with 1.8l and 2.2l diesel engines



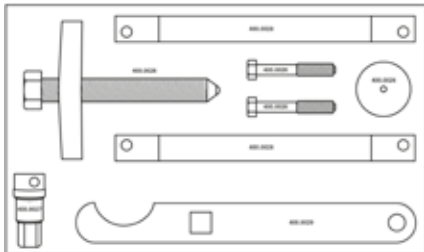
1/2"

		Length mm	g	€
150.3036	E14	97,0	222	21,50

Engine Timing Tool Kit for Jaguar / Land Rover

- For the professional engine repair
- Especially for chain-driven vehicles
- Very high degree of accuracy
- In durable steel storage case

Application range: Jaguar and Mercedes V8, Sport 4.0 / 3.2 / 4.2 / 3.5, S-Type, XJ8, XJR, XK8, XKR (< 2010) with 4.0 / 4.2 V8 engines (engine code: BC / LB / LC / GC / AC / KC / DC / CC / CE / NC / EG / PA / HB / 1B / RB / SB / TB / 3B / PC / NB), Land Rover Discovery3, Range Rover 4.2, Supercharged 4.4 (engine code: 4PN / 428PS)



			kg	€
400.0025	8 pcs	Engine Timing Tool Kit for Jaguar / Land Rover	3,51	344,50

consists of:

		kg
400.0026	Crankshaft pulley puller (4)	530
400.0027	Crankshaft locking tool	70
400.0028	Camshaft locking tool (2), 185 mm	740
400.0029	Timing chain wrench, 205 mm	200



Riveting tool for timing chains for Mercedes / Chrysler / Jeep

- For the professional engine repair
- for mounting and dismounting the timing chain
- Provisional chain links facilitate installation
- Very high degree of accuracy
- Special tool steel

Application range: Mercedes 1.7 D, 2.1 D, 2.2 D, 2.7 D, 3.0 D, 3.2 D, 3.9 D, 4.0 CDI, Chrysler and Jeep 2.2 D, 2.7 D, 3.0 CRD



			kg	€
400.4605	17 pcs	Riveting tool for timing chains for Mercedes / Chrysler / Jeep	2,90	418,50

consists of:

X		kg
400.4606	1 Press-out tool for chain links	900
400.4607	1 Press-in tool for chain links	950
400.4608	1 Die for fixing	46
400.4609	1 Die for flanging and pressing	62
400.4610	1 Die jaw for flanging or pressing	62
400.4611	1 Die for fixing	70
400.4612	2 Press-out pin for chain link, Ø 2.75 mm	3
400.4613	1 Mounting element set (provisional)	20
400.4614	1 Die for fixing	52
400.4615	1 Chain link press-out spindle	106
400.4616	1 Einzugsglied set (provisional)	14
400.4617	1 Fixing screw for die	5
400.4618	1 Dies for fixing	46
400.4619	1 Dies for fixing	66
400.4621	2 Press-out pin for chain link, Ø 4.0 mm	5

Timing chain assembly tool for Mercedes

- For the professional engine repair
- for mounting and dismounting the timing chain unit
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Mercedes A-Class (2012 – 2015), B-Class (2012 – 2015), C-Class (2009 – 2015), C-Class Coupé (2011 – 2016), CLA Coupé (2013 – 2015), CLA Shooting Brake (2015 – 2015), CLS (2014 – 2015), E-Class (2009 – 2016), E-Class Coupé/Cabriolet (2009 – 2016), GLA (2014 – 2015), GLK (2008 – 2015), M-Class (2011 – 2016), S-Class (2010 – 2016), SLK (2012 – 2015), Sprinter (2009 – 2016), V-Class (2014 – 2015), Viano (2010 – 2015) and Vito (2010 – 2015) with 1.8 l and 2.1 l diesel engines (engine code: 651.901 / 651 / 651.9 / 651.91 / 651.911 / 651.912 / 651.913 / 651.916 / 651.921 / 651.922 / 651.924 / 651.925 / 651.93 / 651.93 / 651.94 / 651.95 / 651.955 / 651.956 / 651.957 / 651.96 / 651.961)

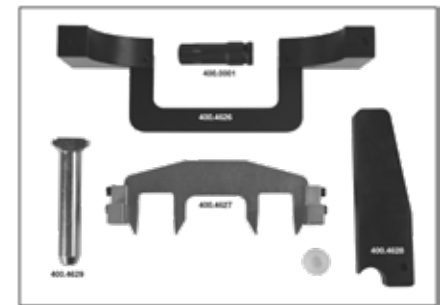


	Substitue for	kg	€
400.0008	Mercedes	520	

Engine Timing Tool Set for Mercedes

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable plastic storage case

Application range: Mercedes C-Class (2002 - 2015), C-Class Coupé (2011 - 2015), CLC (2008 - 2012), CLK-Class (2002 - 2009), E-Class Coupé / Cabriolet (2004 - 2013), SLK (2004 - 2015) and Sprinter (2009 - 2015) with 1.8 l petrol engines (engine code: 271.861 / 271.820 / 271.860 / 271.921 / 271.946 / 271.942 / 271.940 / 271.948 / 271.952 / 271.958 / 271.950 / 271.944 / 271.955 / 271.954 / 271.957 / 271.941 / 271.951 / 271.956 / 271.943)



			kg	€
400.4625	5 pcs	Engine Timing Tool Set for Mercedes	3,15	405,50

consists of:

		kg
400.0001	1/2" Special Torx® bit socket for Mercedes camshaft adjuster, TB100	180
400.4626	Camchain retaining bridge	385
400.4627	Camshaft locking tool	802
400.4628	Camchain tensioner rail wedge	157
400.4629	Camchain tensioner drift	408

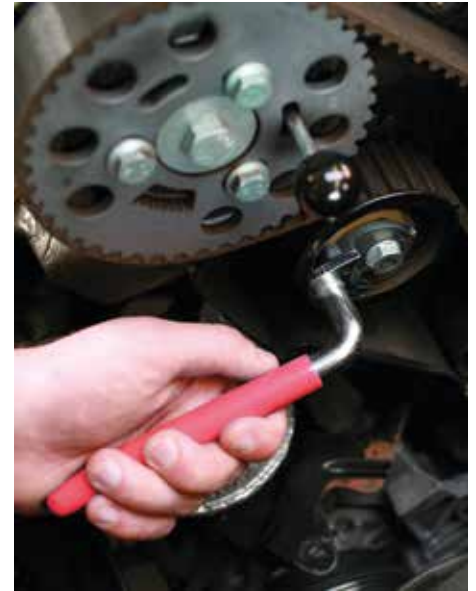




Engine Timing Tool Kit for Chrysler / Mercedes

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Mercedes vehicles with 2.2 / 2.7 CRD engines, Chrysler PT Cruiser with 2.2 CRD engines, Jeep Grand Cherokee with 2.7 CRD engines



Engine adjustment Tool Set for Mercedes / Opel / Renault / Nissan

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

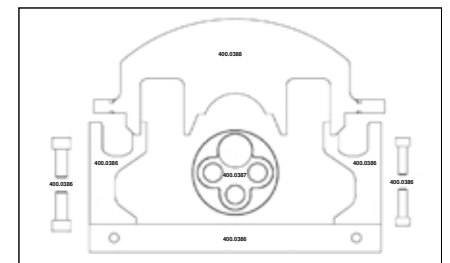
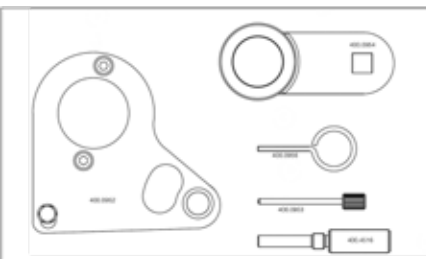
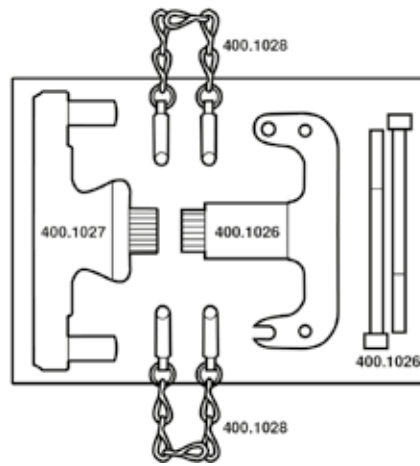
Application range: Mercedes C-Klasse (2014 – 2016), Vito (2014 – 2016), Opel Vivaro B (2013 – 2016), Renault Scenic / Grand Scenic 3 (2011 – 2016), Megane 3 (2012 – 2015), Trafic 3 (2014 – 2016), Espace 5 (2015 – 2016), Nissan Qashqai (2011 – 2016), X-Trail (2014 – 2016) with 1.6 l C180 BlueTEC, C200 BlueTEC, CDTi, CDTi BiTurbo, XMOD dCi, dCi Diesel engines (engine code: 626.951 (R9M) / 622.951 / LWX / R9M 408 / LWZ/R9M 408 / LWU/R9M 450 / LWY/R9M 450 / R9M / R9M 410 / R9M 402 / R9M 404 / R9M 408 / R9M 450 / R9M 409 / R9M 452 / R9M 413)



Engine Timing Tool Set for Mercedes

- For the professional engine repair
- For blocking the cam and balance shafts
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Mercedes A-, B-, C-, M-, S-class, Vito, Viano and Sprinter with 1.8 and 2.1 diesel engines (engine code: 651.901/651.911/651.912/951.913/651.916/651.922/651.924/651.925/651.930/651.940/651.955/651.956/651.957/651.960/651.961/651.980)



				€
400.4515	6 pcs	Engine adjustment Tool Set for Mercedes / Opel / Renault / Nissan	2,12	213,90

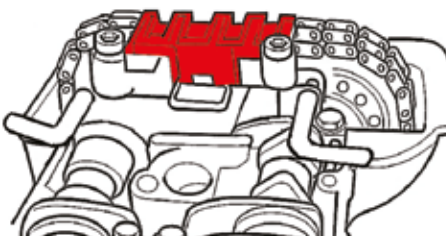
consists of:

400.0952	Camshaft locking tool	398
400.0954	Crankshaft pulley holding tool	424
400.0956	Timing chain tensioner locking pin Ø 3 mm, 65 mm	6
400.0953	Auxiliary drive belt tensioning locking pin	13
400.4516	Locking pin for crankshaft	70

				€
400.1025	6 pcs	Engine Timing Tool Kit for Chrysler / Mercedes	1,46	173,50

consists of:

400.1026	Flywheel locking tool (3) 105 mm	197
400.1027	Flywheel locking tool 125 mm	436
400.1028	Camshaft locking tool (2) Ø 6 mm	36



				€
400.0385	7 pcs	Engine Timing Tool Set for Mercedes 3.5l	3,55	208,90

consists of:

400.0386	Balancer shaft locking tool with screws, 203 mm, 5 pcs	1,26
400.0387	Crank shaft holding turning tool, 19 mm	0,46
400.0388	Crank shaft alignment tool for Mercedes	0,33

MINI

V-ribbed belt wrench set for Mini

- suitable for installation and removal of the V-ribbed belt
- required to relieve the automatic tension pulley and the V-ribbed belt
- 12 point
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: Mini (R56 / R57), Coupé ((R58), Roadster (R59), Clubman (R55), Countryman (R60), Paceman (R61) and Clubvan (R55) >2007, (engine code: N12, N14, N16, N18)



			€
150.3340	2 pcs V-ribbed belt wrench set for Mini	890	66,50

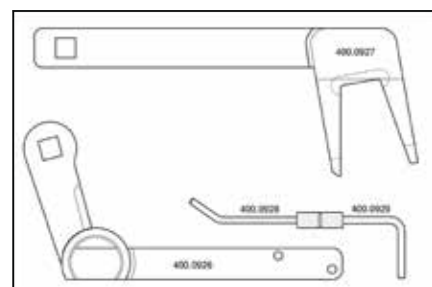
consists of:

			€
150.3341	1/2" V-ribbed belt wrench, 21 mm	451	
150.3342	1/2" V-ribbed belt wrench, 30 mm	439	

Engine Timing Tool Set for BMW / Mini

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: BMW Mini One, Cooper, Cooper S with 1.6 petrol engines (engine code: W10816AA / W10816BA / W11816AA)



			€
400.0925	4 pcs Engine Timing Tool Set for BMW / Mini	2,03	262,50

consists of:

			€
400.0926	Serpentine belt tensioner	435	
400.0927	Camshaft pulley loosening tools	400	
400.0928	Tensioning locking pin, Ø 4 mm	15	
400.0929	Locking pin, Ø 4,5 mm	18	

timing chain testing tool for mini

- ideally suited to assess the chain elongation of the camshaft timing chain
- is used instead of the belt tensioner
- Removal of the engine is not necessary
- Enormous time and cost saving

Application range: Mini Clubman R55 (2007 - 2014), Clubvan R55 (2012 - 2014), Countryman R60 (2010 - 2017), Coupé R58 (2011 - 2015), Mini R56/R57 (2006 - 2015), Paceman R61 (2013 - 2017) and Roadster R59 (2012 - 2015) with 1.4 l and 1.6 l petrol engines (engine code: N12 B14AB / N12 B14 / N12 B16A / N16 B16A / N16 B16M0 / N16 B16U0 / N16 B16A/M0 / N16 B16K0 / N16 B16A/MO / N18 B16A / N18 B16A/M0 / N18 B16C / N18 B16A/MO / N18 / N18 B16M0 / N18 B16C/TO)



		mm		€
400.4400	timing chain testing tool for mini	27	185	108,50

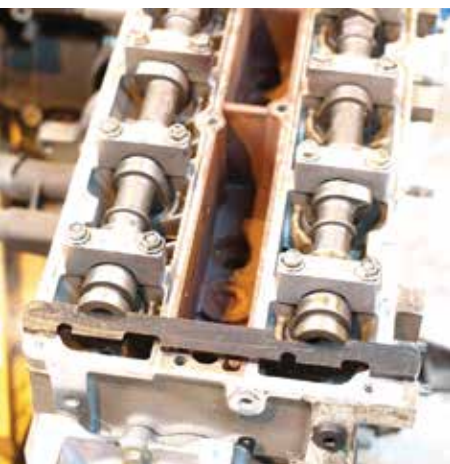
Special socket with special profile

- special profile
- ideally suited to operate the new central screw connection on the central valve of the camshaft adjuster
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Extra short execution
- replaces the old 6-sided screw connection
- For manual operation
- Matt finish
- Chrome vanadium

Application range: Central bolting of the Vanos unit for BMW, Mini and the CVT module for Ford



		Length mm	Ø mm		€
400.0002		30,0	30	103	20,90



Special socket with special profile

- special profile
- ideally suited to operate the new central screw connection on the central valve of the camshaft adjuster
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Extra short execution
- replaces the old 6-sided screw connection
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: Central bolting of the Vanos unit for BMW, Mini and the CVT module for Ford



		Length mm	Ø mm		€
400.0003		30,0	30	95	27,90

Camshaft alignment tool for Opel / BMW / Mini

- For the professional engine repair
- ideally suited for locking the intake camshaft gear wheel
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

Application range: Opel Corsa E (>2015), BMW 1 Series (>2015), 2 Series (>2014), X1 (>2015), Mini One (>2014) for 1.3 l and 1.5 l diesel engines (engine code: LKU/B13DTE / LKU/B13DTR / LKV/B13DTC / B37 C15A / B367 D15A)



			€
400.0009	Camshaft alignment tool for Opel / BMW / Mini	400	130,50

Balancer shaft alignment tool for BMW / Mini

- For the professional engine repair
- ideally suited for aligning the balancer shaft
- Very high degree of accuracy
- In durable plastic case

Application range: BMW 1 Series (20 - 2016), 2 Series (2014 - 2016), 3 Series (2007 - 2016), 4 Series (2013 - 2016), 5 Series (2007 - 2016), X1 (2009 - 2016), X3 (2007 - 2016), X4 (2014 - 2016), X5 (2013 - 2016), Mini Clubman (2015 - 2016) and Mini hatchback (2014 - 2016) with 2.0 l diesel engines (engine code: B47 D20A / B47 C20A / B48 A20B / B47 / B47 C20 / B48 A20A / N47 D20A/K0 / N47 D20A / N47S D20B/D/T0 / N47 D16C / N47 D16 / N47 D20C/K1 / N47 D20C / N47 D20C/U1 / N47 D20C/O1 / N47 D20D/T1 / N47 D20D / N47 D20A/U0 / N47T D20K1 / N47 D20U0 / N47T D20U1 / N47T D20O1 / N47 D20C/O / N47 D20C/O1 / N47 D20C/O0 / N47S D20D/T0 / N47 D20A/O0)



			€
400.4390	Balancer shaft alignment tool for BMW / Mini	2,93	227,90

Balancer shaft removal tool set for BMW / Mini

- For the professional engine repair
- ideally suited for dismantling the balancer shaft
- Very high degree of accuracy
- In durable plastic storage case

Application range: **BMW** 1 Series F20/F21 (2015 - 2017), 2 Series F22/F23/F45/F46 (2014 - 2017), 3 Series F30/F31 (2015 - 2017), i8 I12 (2014 - 2017), X1 F48 (2015 - 2017), **Mini** Clubman F54 (2015 - 2017), Convertible F57 (2016 - 2017) and Mini hatchback F55/F56 (2014 - 2017) with 1.2 l and 1.5 l petrol or 1.5 l diesel engines (engine code: B38 A12A / B37 D15A / B37 C15A / B38 B15A / B38 A15A / B38 K15A)



		kg		€
400.4380	4 pcs	Balancer shaft removal tool set for BMW / Mini	1,55	239,90

consists of:

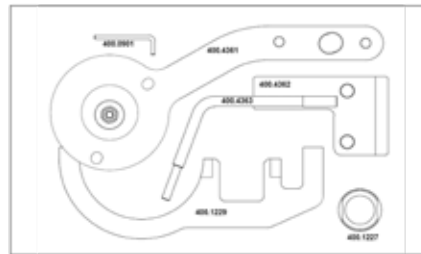
		g	
400.4381	Balance shaft locking tool, Diesel	255	
400.4382	Balance shaft locking tool, Diesel	190	
400.4383	Balance shaft disassembly tool	710	
400.4384	Assembly plate for alignment tools	215	



Engine adjustment tool set for BMW / Mini

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: **BMW** 1 Series F20/F21 (2015 - 2017), 2 Series F22/F23/F45/F46 (2014 - 2017), 3 Series F30/F31/34 (2015 - 2017), 4 Series F32/F33/F36 (2015 - 2017), 5 Series F10/F11 (2014 - 2017), X1 F48 (2015 - 2017), X3 F25 (2014 - 2017), X4 F26 (2014 - 2017), X5 F15 (2015 - 2017), **Mini** Clubman F54 (2015 - 2017), Cabrio F57 (2016 - 2017) and Mini hatchback F55/F56 (2014 - 2017) with 1.5 l or 2.0 l diesel engines (engine code: B37 D15A / B37 C15A / B47 D20A / B47 D20B / B47 C20A / B47 / B47 C20B)



		kg		€
400.4360	6 pcs	Engine adjustment tool set for BMW / Mini	980	177,90

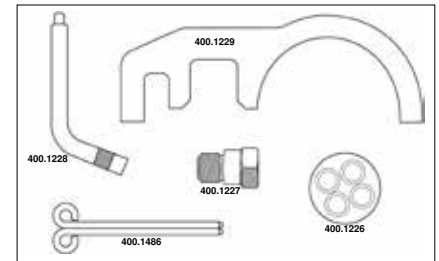
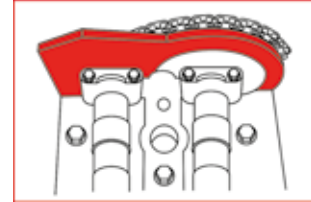
consists of:

		g	
400.0901	Tensioning locking pin, 45 mm	4	
400.4361	Crankshaft holding tool	320	
400.4362	A/T Drive plate timing pin adaptor	490	
400.4363	Flywheel drive plate timing pin	70	
400.1227	High pressure pump sprocket removal tool	89	
400.1229	Camshaft alignment tool Ø 93 mm	242	

Engine adjustment tool set for BMW / Mini

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

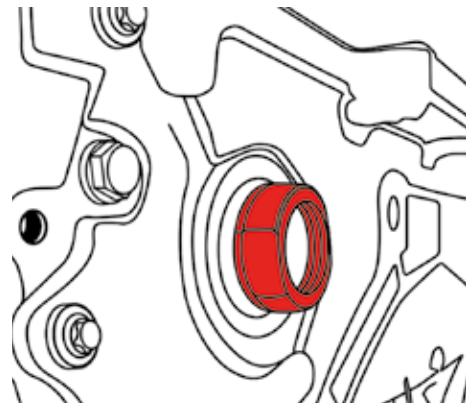
Application range: **BMW** with 2.0 engines (2007-2010) (engine codes: N47 / N47S), **BMW Mini** Countryman, Clubman (>2007) (engine code: R55 / R56 / R57 / R60). Contains pumps / pulley wheels disassembly tool



		kg		€
400.1225	6 pcs	Engine adjustment tool set for BMW / Mini	1,91	130,50

consists of:

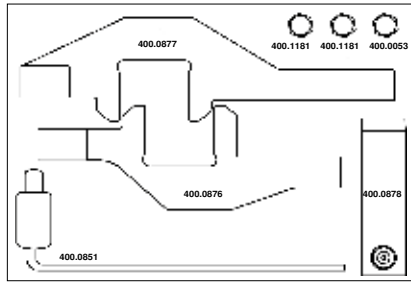
		g	
400.1226	Crankshaft pulley turning tool	183	
400.1227	High pressure pump sprocket removal tool	89	
400.1228	Flywheel plate timing pin	109	
400.1229	Camshaft alignment tool Ø 93 mm	242	
400.1486	Tensioner locking pin (2)	29	



Engine Timing Tool Kit for BMW / Mini / PSA

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- For locking the cam shaft
- For changing the timing chain

Application range: **BMW Mini** with 1.6 engines (engine code: N14 / R56), **Peugeot** 207, 308 with 1.6 engines (engine code: EP6 / EP6DT / DTS), **Citroën** with 1.6 engines (engine code: EP6 / EP6DT / DTS)



		kg	€
400.0875	7 pcs Engine Timing Tool Kit for BMW / Mini / PSA	1,49	215,50

consists of:

X		kg
400.0851	1 Crankshaft locking pin Ø 8 mm	52
400.0878	1 Support clamp	93
400.0877	1 Camshaft alignment tool (exhaust)	423
400.0876	1 Camshaft alignment tool (inlet)	270
400.1181	2 Bolt M6x30	8
400.0053	1 Screw M6 x 20,0 mm	6

Engine Timing Tool Set for BMW / Mini / PSA

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy

Application range: **BMW Mini** with 1.4 / 1.6 Valvetronic engines (engine code: N12), **Peugeot** 207, 308 with 1.4 / 1.6 engines (engine code: EP3 / EP6), **Citroën** with 1.4 / 1.6 engines (engine code: EP3 / EP6)



		kg	€
400.0850	7 pcs Engine Timing Tool Set for BMW / Mini / PSA	1,40	232,50

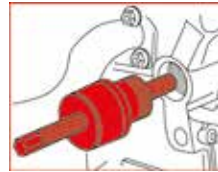
consists of:

X		kg
400.0851	1 Crankshaft locking pin Ø 8 mm	52
400.0852	1 Camshaft locking tool inlet (2)	812
400.0853	1 Camshaft locking tool (EX)	358
400.1181	3 Bolt M6x30	8

Engine Timing Tool Set for BMW / Mini

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy

Application range: **BMW Mini** (2001-2006) (engine code: W10B16AA/BA)



		kg	€
400.9090	7 pcs Engine Timing Tool Set for BMW / Mini	1,93	139,50

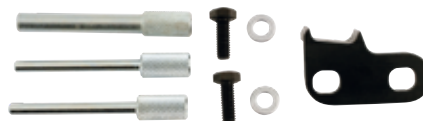
consists of:

X		kg
400.9091	Camshaft locking tool 187 mm	575
400.9092	Engine support bracket (4)	615
400.9093	Timing chain pre-tensioning tool, 140 mm (2)	215

Engine Timing Tool Set for BMW / Mini

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: **BMW Mini** with 16V engines (engine code: W16D)



		kg	€
400.2475	8 pcs Engine Timing Tool Set for BMW / Mini	126	75,90

consists of:

X		kg
400.0185	2 Camshaft locking pin 5.0 mm	19
400.2476	1 Flywheel locking pin, BMW-Mini	40
400.0580	1 Crankshaft locking pin Ø 8,0 mm, 70 mm	30
400.1185	2 Washer M6	1
400.3204	2 Screw 6 point M6x16mm	5

Crankshaft fixing tool for BMW / Mini

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: **BMW** 1 Series F20/F21 (2011 - 2015), 2 Series F22 (2014 - 2016), 3 Series E90/E91/E92/E93/F30/F31/F34 (2010 - 2016), 4 Series F33/F32/F36 (2013 - 2016), 5 Series F07/F10/F11 (2010 - 2017), X1 E84 (2009 - 2015), X3 F25 (2012 - 2014), X5 F15 (2014 - 2016), X5 F15 (2014 - 2016), Mini Clubman R55 (2010 - 2014), Clubvan R55 (2012 - 2014), Countryman R60 (2010 - 2017), Mini R56/R57 (2010 - 2015), Paceman R61 (2013 - 2017), Clubman R55 (2011 - 2014), Coupé R58 (2011 - 2015) and Roadster R59 (2012 - 2015) with 1.6 l and 2.0 l petrol engines (engine code: N47 C16U1 / N47 C16K1 / N47 C16A/U1 / N47 D16C / N47 D16 N47 / C20K1 / N47 C20U1 / N47 C20A/K1 / N47S D20B/D/T0 / N47 D20C/K1 / N47 D20C, N47 D20C/U1 / N47 D20C/O1 / N47 D20D / N47 D20D/T1 / N47T D20O1 / N47 D20C/O / N47 D20A / N47 D20C/O1 / N47 D20U0)



		kg	€
400.4395	Crankshaft fixing tool for BMW / Mini	465	34,50

Crankshaft pulley locking tool for BMW / Mini

- For the professional engine repair
- Simple assembly and disassembly of the crank shaft pulley wheel
- Special profiles allows for counter holding when releasing or securing the crank shaft central screw
- Very high degree of accuracy

Application range: **BMW** 1 Series (2007 - 2016), 2 Series Coupé (2007 - 2016), 3 Series (2007 - 2016), 4 Series (2007 - 2016), 5 Series (2007 - 2016), 6 Series (2007 - 2016), 7 Series (2007 - 2016), X1 (2007 - 2016), X3 (2007 - 2016), X4 (2007 - 2016), X5 (2007 - 2016), X6 (2007 - 2016), **Mini** Clubman (2007 - 2016), Clubvan (2007 - 2016), Countryman (2007 - 2016), Coupe (2007 - 2016), Mini (2007 - 2016), Paceman (2007 - 2016), Roadster (2007 - 2016) for 1.6 l, 2.0 l, 3.0 l diesel engines (engine code: N47 D20A/K0 / N47 D20A / N47 D16C / N47 D16 / N47S D20B/D/T0 / N47 D20C/K1 / N47 D20C / N47 D20C/U1 / N47 D20D/T1 / N47 D20D / N47 D20C/O1 / N47 D20A/U0 / N47 D20K1 / N47 D20U0 / N47T D20O1 / N47D20C/O / N47 D20U1 / N47 / N47 D20C/O1 / N47 D20O0 / N47S D20D/T0 / N47 D20A/O0 / N47 C16U1 / N47 C16K1 / N47 C20K1 / N47 C20U1 / N47 C16A/U1 / N47 C20A/K1 / N57 D30A/O0 / D57 D30A/O1 / N57 D30U0 / N57 D30B / N57 D30A / N57 D30U0 / N57 D30B / N57 D30A / N57 D30U0 / N57 D30O0 / N57 D30O1 / N57 D30B/T1 / N57 D30T0 / N57 D30C/S1 / N57 D30A0 / N57 D30T0 / N57 D30C / N57D30B/T0)



		kg	€
400.4370	6 pcs Crankshaft pulley locking tool for BMW / Mini	1,24	83,50

consists of:

X		kg
400.4371	Retainer plate	830
400.4372	Retaining mandrel set 5 pcs	390

Engine Timing Tool Set for BMW / Mini

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

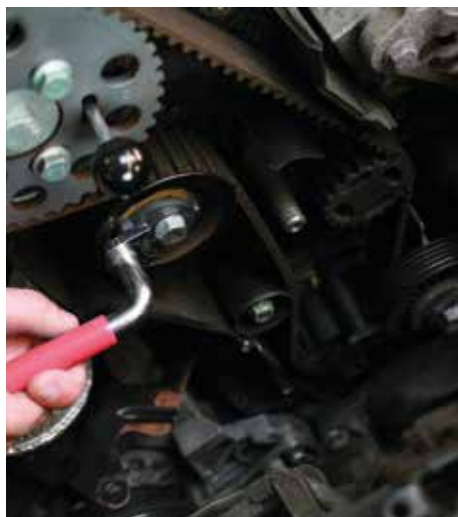
Application range: BMW 1 Series F20/F21 (2015 - 2017), 2 Series F22/F23/F45/F46 (2014 - 2017), 3 Series F30/F31/34/36 (2015 - 2017), 4 Series F32/F33/F36 (2015 - 2017), 7 Series G11/G12 (2015 - 2017), i8 I112 (2014 - 2017), X1 F48 (2015 - 2017), Mini Clubman F54 (2015 - 2017), Cabrio F57 (2016 - 2017) and Mini Schrägheck F55/F56 (2014 - 2017) with 1.2 l, 1.5 l, 2.0 l and 3.0 l petrol engines (engine code: B38 A12A / B38 B15A / B38 A15A / B38 K15A / B48 B20A / B48 B20B / B48 A20A / B48 A20B / B48 / B58 B30A)



Article No.	Quantity	Description	Weight (kg)	Price (€)
400.4375	5 pcs	Engine Timing Tool Set for BMW / Mini	4,68	309,50

consists of:

Article No.	Description	Weight (kg)
400.4376	Camshaft alignment tool with screws	1,94
400.4377	Crankshaft holding tool	0,21
400.4362	A/T Drive plate timing pin adaptor	0,49
400.4363	Flywheel drive plate timing pin	0,07
400.4378	Locking pin for spanner	0,01



MITSUBISHI

Engine Timing Tool Set for Hyundai / Mitsubishi / Volvo

- For the professional engine repair
- For actuating belt tensioners
- Very high degree of accuracy

Application range: universal usage on many Hyundai, Mitsubishi, Volvo vehicles



Article No.	Quantity	Description	Weight (kg)	Price (€)
400.0075	2 pcs	Engine Timing Tool Set for Hyundai / Mitsubishi / Volvo	131	33,50

consists of:

Article No.	Description	Weight (kg)
400.0076	Tensioning locking pin, 250 mm	630
400.0077	Belt tensioner wrench	210

Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot

- For the professional engine repair
- For locking the cam shaft
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Land Rover Discovery (2009 – 2015), Discovery Sport (2009 – 2015), Freelander 2 (2009 – 2015), eD4 (2009 – 2015), TD4 (2009 – 2015), TD4e (2009 – 2015), Citroën C5 (2002 – 2015), C5 II (2002 – 2015), C5 III (2002 – 2015), C6 (2002 – 2015), C8 (2002 – 2015), C-Crosse (2002 – 2015), Mitsubishi Outlander DI-D (2007 – 2013), DI-DC (2007-2013), Peugeot 4007 (2000 – 2015), 407 (2000-2015), 607 (2000 – 2015), 807 (2000 – 2015), 406 (2000 – 2015), 508 (2000 – 2015), 607 (2000 – 2015), GT (2000-2015), Ford Galaxy (2008 - 2015), Mondeo (2008 - 2015), S-Max (2008 - 2015) for 2.2 l diesel engines (engine codes: 224DT / DW12CTED4 224DT / DW12BTED4 224DT /4HX (DW12CTED4) / 4HP (DW12BTED4) / 4HX (DW12TED4) / 4HW (DW12TED4/L4) / 4HK, 4HN / DW12MTED4 (4HK) / DW12MTED4 (4HN) / DW12BTED4 (4HP) / DW12BTED4 (4HR) / DW12BTED4 (4HT) / DW12TED4/L4 (4HW) / DW12BTED4 (4HS) / DW12ATED (4HZ) / DW12ATED4 (4HX) / DW12ATED (4HZ) / DW12CTED4 (4HL), KNBB, KNBA, KNWA, Q4BA)



Article No.	Quantity	Description	Weight (kg)	Price (€)
400.4450	3 pcs	Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot	680	83,50

consists of:

Article No.	Description	Weight (kg)
400.4451	Balance shaft locking tool	190
400.4452	Balance shaft tool	140
400.4453	Balance shaft adjustment tool	230

NISSAN

Fixing mandrel injection pump wheel for Nissan

- For the professional engine repair
- Ideally suited to securing the injection pump
- Simple handling
- Special tool steel
- Very high degree of accuracy

Application range: Nissan Almera, Almera Tino, Cabstar, Navara, Pathfinder, Primera, X-Trail with 2.2 and 2.5 Diesel engines



Article No.	Description	Weight (kg)	Price (€)
400.9047	Fixing mandrel injection pump wheel for Nissan	18	12,90

Diesel pump adjustment tool

- Secure stand for the pump wheel when assembling and disassembling the high pressure pump
- exact positioning of the pump wheel
- no need to disassemble the tooth belt
- saves work of making further adjustments to the pump
- Saves a lot of time
- Special tool steel

Application range: Diesel engines F9Q for Opel, Renault, and Nissan vehicles



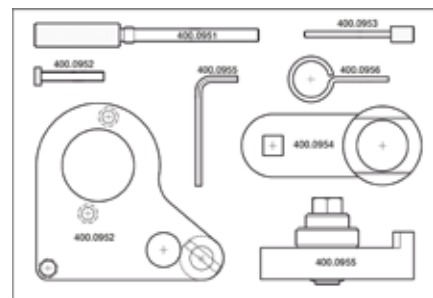
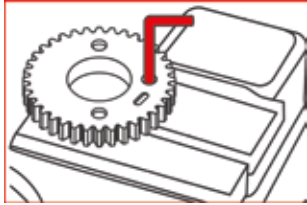
Article No.	Description	Weight (kg)	Price (€)
400.9051	Diesel pump adjustment tool	420	32,50



Engine Timing Tool Kit for Nissan / Renault

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

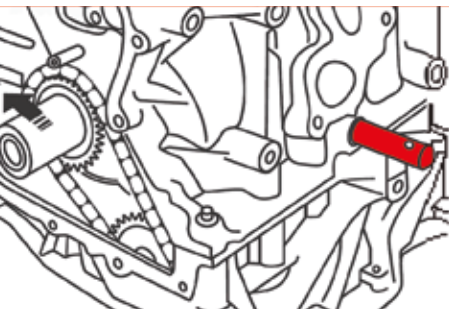
Application range: Renault Megane, Vel Satis, Espace, Scenic, Trafic, Laguna, Koleos, Nissan Qashqai, Opel Vivaro with 2.0 dCi engine (engine code: M9R)



		kg	€
400.0950	8 pcs Engine Timing Tool Kit for Nissan / Renault	2,73	235,50

consists of:

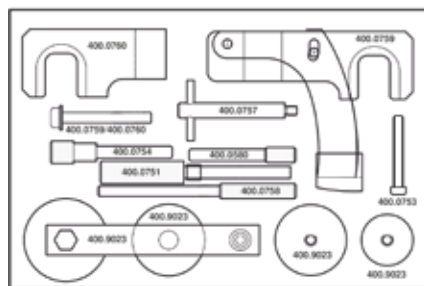
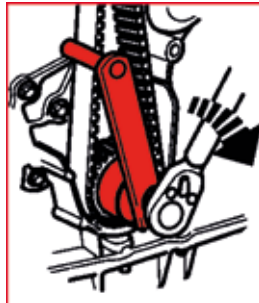
		kg	€
400.0951	Crankshaft locking pin Ø 8 mm, 144 mm	103	
400.0952	Camshaft locking tool	398	
400.0953	Auxilliary drive belt tensioning locking pin	13	
400.0954	Crankshaft pulley holding tool	424	
400.0955	Camshaft gear alignment tool (2)	593	
400.0956	Timing chain tensioner locking pin Ø 3 mm, 65 mm	6	
400.0957	Key hex, 4.0 mm	1	
400.0958	Locking screw M6 x 40.0 mm	18	



Engine adjustment tool kit for Nissan / Opel / Renault

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Renault Clio 1.5 / 1.9 / 2.3 / 2.5 dCi, Laguna II, Espace, Trafic, Master with 2.2 DTI (2000-2005) G9 engines, Opel Movano 2.2 Tdi, Nissan Kubistar, Primastar, Interstar and Micra with 1.5 / 2.2 / 2.5 dCi engines



		kg	€
400.0750	15 pcs Engine adjustment tool kit for Nissan / Opel / Renault	1,69	254,90

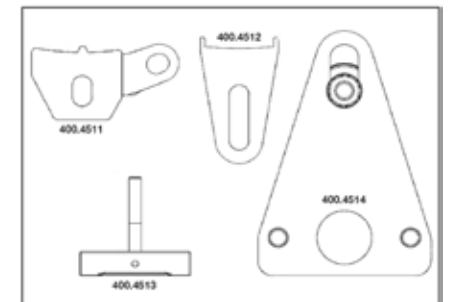
consists of:

		kg	€
400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.0751	Crankshaft locking pin Ø 7,5 mm	102	
400.0752	Washers M8	1	
400.0753	Locking screw M6 x 30.0 mm	10	
400.0754	Camshaft locking pin	51	
400.0757	Hi-Pressure pump locking pin	43	
400.0758	Flywheel locking pin Ø 7 mm	55	
400.0759	Camshaft setting tool (exhaust) (2)	20	
400.0760	Camshaft setting tool (inlet)	223	
400.9023	Cam belt tensioning tool for Renault	669	

Flywheel locking tool set for Renault / Nissan

- For the professional engine repair
- For locking the fly wheels
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Renault Espace V (2015 - 2016), Clio (2006 - 2016), Fluence (2009 - 2015), Laguna (2005 - 2015), Latitude (2010 - 2016), Megane (2006 - 2015), Scenic/Grand Scenic (2006 - 2015), Espace/Grand Espace IV (2002 - 2015), Koleos (2008 - 2016), Trafic II (2007 - 2015), Vel Satis (2000 - 2010), Master III (2010 - 2016), Nissan Primastar (2006 - 2015), Qashqai/Qashqai+2 (2007 - 2014), X-Trail (2007 - 2014), NP300 Navara (2015 - 2016) and NV400 (2011 - 2016) with 1.4 I, 1.6 I, 2.0 I, 2.3 I, 2.5 I and 3.5 I petrol engines (engine code: H4JT 700 / M5M 400 / M5M / M5M 450 / M4R 700 / M4R 701 / M4R 714 / M4R 750 / M4R 751 / M4R 752 / M4R 753 / M4R 737 / M4R 704 / M4R 726 / M4R 730 / M4R 735 / M4R 746 / M4R / M4R 711 / M4R 713 / M9R 740 / M9R 760 / M9R 761 / M9R 812 / M9R 814 / M9R 815 / M9R 830 / M9R 832 / M9R 833 / M9R 834 / M9R 835 / M9R 836 / M9R 838 / M9R 855 / M9R 856 / M9R 865 / M9R 866 / M9R 742 / M9R 800 / M9R 805 / M9R 700 / M9R 721 / M9R 722 / M9R 724 / M9R 613 / M9R 615 / M9R 610 / M9R 630 / M9R 780 / M9R 782 / M9R 750 / M9R 762 / M9R 763 / M9R 858 / M9R 859 / M9R 8 / M9R 744 / M9R 746 / M9R 748 / M9R 754 / M9R 802 / M9R 803 / M9R 806 / M9R 808 / M9R 809 / M9R 820 / M9R 828 / M9R 845 / M9R 849 / M9R 854 / M9R 857 / M9R 816 / M9R 756 / M9R 804 / M9R 811 / M9R 817 / M9R 824 / M9R 839 / M9R 844 / M9R 846 / M9R 692 / M9R 784 / M9R 786 / M9R 788 / M9R M9T 670 / M9T 672 / M9T 676 / M9T 678 / M9T 680 / M9T 686 / M9T 690 / M9T 692 / M9T 694 / M9T 696 / M9T 698 / M9T 700 / M9T 702 / M9T 870 / M9T 880 / M9T 890 / M9T 896 / M9T 898 / M9T C6 / YS23DDT / YS23DDTT / M9T 706 / M9T 708 / 2TR 700 / 2TR 700 / 2TR 702 / 2TR 703 / 2TR 704 / 2TR 705 / 22V 604 / V4U 604 / VQ25 V4Y 711 / V4Y 715 / V4Y 701 / V4Y 713)



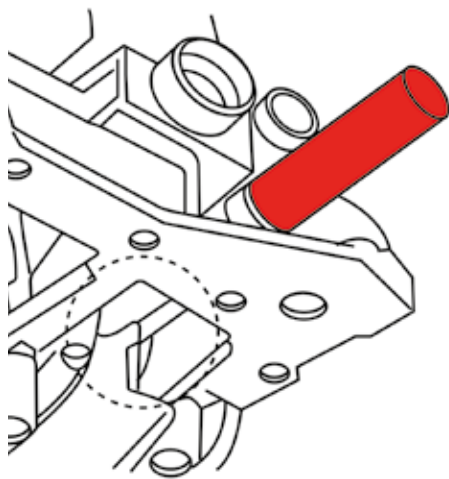
		kg	€
400.4510	4 pcs Flywheel locking tool set for Renault / Nissan	1,27	154,50

consists of:

		kg	€
400.4511	Flywheel locking tool, 80 mm	250	
400.4512	Flywheel locking tool, 90 mm	180	
400.4513	Sump separator tool	180	
400.4514	Crankshaft pulley holding tool	840	



OPEL



Counter hold wrench, 39.0 mm

- For turning the water pump
- To tighten / depressurize the drive belt
- Internal square drive adaptor
- Burnished
- Chrome molybdenum

Application range: Opel/Vauxhall, GM OHC engines



	mm	Length mm	g	€
516.1004	39	90,0	100	11,90

Counter hold wrench, 41.0 mm

- For turning the water pump
- To tighten / depressurize the drive belt
- Internal square drive adaptor
- Burnished
- Chrome molybdenum

Application range: Opel/Vauxhall, GM OHC engines 1.2, 1.3, 1.4 and 1.6 l



	mm	Length mm	g	€
516.1002	41	90,0	110	11,90

Counter hold wrench, 46.0 mm

- For turning the water pump
- To tighten / depressurize the drive belt
- Internal square drive adaptor
- Burnished
- Chrome molybdenum

Application range: Suitable for Opel and GM OHC engines

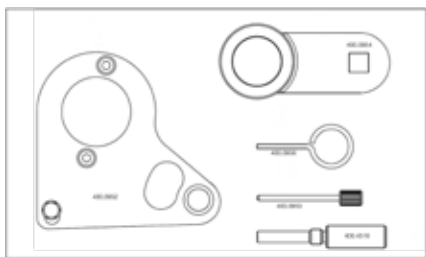


	mm	Length mm	g	€
516.1001	46	90,0	120	12,90

Engine adjustment Tool Set for Mercedes / Opel / Renault / Nissan

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Mercedes C-Klasse (2014 – 2016), Vito (2014 – 2016), Opel Vivaro B (2013 – 2016), Renault Scenic / Grand Scenic 3 (2011 – 2016), Megane 3 (2012 – 2015), Trafic 3 (2014 – 2016), Espace 5 (2015 – 2016), Nissan Qashqai (2011 – 2016), X-Trail (2014 – 2016) with 1.6 l C180 BlueTEC, C200 BlueTEC, CDTi, CDTi BiTurbo, XMOD dCi, dCi Diesel engines (engine code: 626.951 (R9M) / 622.951 / LWX/ R9M 408 / LWZ/R9M 408 / LWU/R9M 450 / LWY/R9M 450 / R9M / R9M 410 / R9M 402 / R9M 404 / R9M 408 / R9M 450 / R9M 409 / R9M 452 / R9M 413)



		g	€
400.4515	6 pcs Engine adjustment Tool Set for Mercedes / Opel / Renault / Nissan	2,12	213,90

consists of:

		g
400.0952	Camshaft locking tool	398
400.0954	Crankshaft pulley holding tool	424
400.0956	Timing chain tensioner locking pin Ø 3 mm, 65 mm	6
400.0953	Auxiliary drive belt tensioning locking pin	13
400.4516	Locking pin for crankshaft	70

Engine Timing Tool Set for GM / Opel

- For the professional engine repair
- For locking the cam shaft or chain tensioner
- Very high degree of accuracy

Application range: Opel Astra-G, Vectra-B, Vectra-C, Signum, Zafira-A (engine code: Z22SE / Z22YH)



		g	€
400.2325	2 pcs Engine Timing Tool Set for GM / Opel	787	68,50

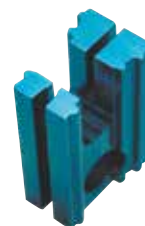
consists of:

		g
400.2326	Camshaft locking tool, 260 mm	786
400.2327	Timing chain tensioner locking pin	1

Camshaft locking device for GM / Isuzu / Opel / Saab

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Aluminium
- Very high degree of accuracy

Application range: Opel Tigra 2004 - 2008 (engine code: Z18XE) with 1.8 engines, Frontera, Frontera-B and Sintra-A, Omega-B 1995 - 2004 (engine code: X22SE, X33XE, YEESE, Y22XE Z22XE) with 2.2 16V engines. Saab 9-3 1996 - 2005 with 1.8 engines (engine code: Z18XE) and similar Isuzu and Saab engines



	X	g	€
400.0162	1 Camshaft locking device for GM / Isuzu / Opel / Saab	186	21,50

Camshaft locking tool for GM / Opel

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Aluminium
- Very high degree of accuracy

Application range: Opel Omega-B 1995 – 2004 (engine code: X22SE, X22XE, Y22SE, Y22XE, Z22XE) with 2.2 16V and Astra-G 2.0 16V and Vectra 1.8/2.0 16V 1995 – 2000 (engine code: X18XE, C20SEL, X20XEV)



X					
400.0163	1	Camshaft locking tool for GM / Opel	143		17,50

Camshaft locking tool for GM / Opel (right)

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Aluminium
- Very high degree of accuracy

Application range: Opel Vectra-B, Omega-B, Sintra, Calibra (engine code: X25XE, X30XE, Y26SE, Y32SE)



X					
400.0103	1	Camshaft locking tool for GM / Opel (right)	119		18,50

Flywheel locking tool for GM / Opel / Saab

- For locking the fly wheels
- Secure hold thanks to optimal positioning
- Special tool steel

Application range: Opel and Saab vehicles (1996 - 2005, engine code: Z18XE)

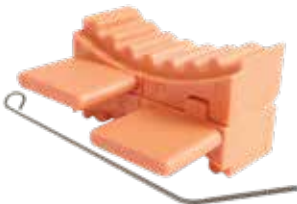


X					
400.9046		Flywheel locking tool for GM / Opel / Saab	80		14,90

Camshaft locking tool for GM / Opel

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Aluminium
- Very high degree of accuracy

Application range: Opel Astra G, Astra H, Meriva, Zafira 2003 - 2007 (engine code: Z16LET, Z16XEP) with 1.6 16V engines



X					
400.2800	2	Camshaft locking tool for GM / Opel	590		31,50

Crankshaft holding key for Opel

- For counter holding the crank shaft belt drive when releasing or tightening the crank shaft central screw
- Prevents slipping whilst holding
- The handle can be lengthened via the 1/2" internal square
- Very high degree of accuracy

Application range: Opel Adam (2012 - 2017), Ampera (2011 - 2015), Astra (2009 - 2017), Cascada (2013 - 2017) Corsa (2009 - 2017), GTC (2015 - 2017), Insignia (2011 - 2017), Meriva B (2010 - 2017), Mocha (2012 - 2016), Zafira (2011 - 2017), Chevrolet Aveo (2011 - 2015), Cruze (2012 - 2015), Orlando (2012 - 2015), Trax (2013 - 2015) LE1/B10XFL / LE1/B10XFT / LE1/B10XHL / A10XEP / LWD/A12XEL / LWD/B12XEL / A12XEL / A12XER / LDC/B12XEL / L2Q/A12XEL / LDC/A12XER / L2Z/A14XEL / LDD/A14XER / LDD/B14XEL / LDD/B14XER / LUJ/B14NEH / LUJ/A14XFL / LDD/A14XEL / LUJ/A14NEL / LUJ/A14NET / LUJ/B14NEL / LUJ/B14NET / A14XEL / A14XER / A14NEL / LDD/B14XEJ / LUJ/B14NEJ / LUH/A14NEL / LUH/B14NEL / L2I / LDD / LUJ / LUV / LUJ)

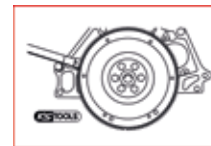


X					
400.0010		Crankshaft holding key for Opel	2,66		147,90

Flywheel holding key

- To lock the flywheel
- Required for the removal and installation of disc flywheels, clutch pressure plates and belt pulleys
- Sturdy design

Application range: Opel with front-wheel drive



Suitable for	Length mm	Width mm	Total depth mm		€	
150.2438	Opel	255,0	26,0	26,0	500	24,90

Camshaft locking tool for GM / Opel (left)

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Aluminium
- Very high degree of accuracy

Application range: Opel Vectra-B, Omega-B, Sintra, Calibra (engine code: X25XE, X30XE, Y26SE, Y32SE)

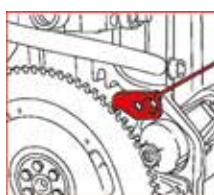


X					
400.0104	1	Camshaft locking tool for GM / Opel (left)	120		18,50

Flywheel locking tool for GM / Opel

- For locking the fly wheels
- For easily attaching to one of the small fixing pins next to the fly wheel
- Special tool steel

Application range: for all Opel and GM 4 and 6 cylinder CIH, 24V and OHC engines



X					
400.9045		Flywheel locking tool for GM / Opel	80		5,50



Universal fly wheel locking tool set

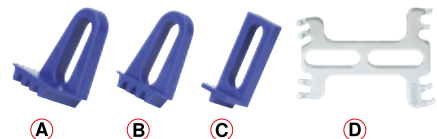
- For the professional engine repair
- For locking the fly wheels
- Secure hold thanks to optimal positioning
- Special plastic
- Very high degree of accuracy

A Fly wheel Locking device for:Citroën: Synergie 2.0/Turbo. ZX 1.9D/TD, Xantia 1.9D/TD, Berlingo 1.9D, Dispatch 1.9D/TD, Synergie 1.9D, Relay 1.9D/TD, **Fiat:** Ulysse, 2.0/Turbo Ducato 2.0, FSO: 1.9D, LDV: 200 1.9D, Pilot 1.9D, **Peugeot:** 205 1.6/1.9, 305 1.6/1.9, 309 1.6/1.9, 405 1.6/1.9, 405 1.8/2.0 (92-), 605 2.0, Boxer 2.0, c205 1.8/1.9D, 305 1.8/1.9D, 306 1.8/1.9D/TD, 309 1.8/1.9D 1.8TD, 405 1.8TD, 405 1.9D, 406 1.9D, Partner 1.9D, Talbot / Horizon / Solara 1.9D, J5/Talbot Express 1.9D, 605D/TD, 806 1.9TD, Expert 1.9D, Boxer 1.9D/TD, **Renault:** R5, 1.6D, R9 1.6D, 411 1.6D Express/Extra 1.6D-F8M diesel engines, Clio, Express/Extra, 1.9D earlier F8Q diesel engines, Espace 2.1D, R21 2.1D, R25 2.1D, Trafic/Master 2.1D-J8S diesel engines, Clio 1.2/1.4, Express/Extra, R19 1.4, Megane/Scenic 1.4/1.6-E7F/E7J petrol engines, R5 1.7, Clio 1.7/1.8, R19 1.7, R21 1.7 1.7 Megane/Scenic 2.0, Laguna 1.8/2.0, Trafic 1.7-F3N/F3P/F2R petrol engines, Clio, Williams, R19, Megane 2.0 16V Twin-Cam F7P/F7R engines, Laguna/ Safrane 2.0 16V Twin-Cam N7Q/N7U engines

B Fly wheel Locking device for:Renault: Clio, Twingo, Kangoo, Megane/Scenic, 1.2/1.6 D7F + K7M Petrol engine, Megane/Scenic, Kangoo 1.9D FBQ + F9Q Diesel engine (direct injection)

C Fly wheel Locking device for:Citroën: Xsara, Xantia 1.8/2.0XU7 JP/JB petrol engines, Xsara 1.8 16V XU7 JP4 twin cam shaft engines, ZX.Xantia, XM2.0 16V XU10J4 twin cam shaft engines, Xantia 1.9D/TD XUD9BTF diesel engines, Xantia, XM2.1TD XUD 11BTE diesel engines, **Peugeot:** 406, 1.8/2.0 XU7 JP/JB Petrol engine, 406 1.8 16V XU7 JP4 Double cam shaft engines, 306, 405, 605 2.0 16V XU10J4 Double cam shaft engines, 406, 1.9D/TD XUD9BTF Diesel engines, 406, 605 2.1 TD XUD 11BTE Diesel engines

D Fly wheel Locking device forVauxhall/Opel: 1.2, 1.4, 1.6, 1.8, 2.0 OHC Petrol engines, 1.6D & 1.7, OHC Diesel engines, 1.5 & 1.7 OHE Diesel(Isuzu)-Engines



			g	€
150.3025	4 pcs	Universal fly wheel locking tool set	30	10,90

Camshaft alignment tool for Opel / BMW / Mini

- For the professional engine repair
- ideally suited for locking the intake camshaft gear wheel
- Secure hold thanks to optimal positioning
- Very high degree of accuracy

Application range: Opel Corsa E (>2015), **BMW** 1 Series (>2015), 2 Series (>2014), X1 (>2015), **Mini** One (>2014) for 1.3 l and 1.5 l diesel engines (engine code: LKU/B13DTE / LKU/B13DTR / LKV/B13DTC / B37 C15A / B367 D15A)



			g	€
400.0009		Camshaft alignment tool for Opel / BMW / Mini	400	130,50

Camshaft locking tool set for Opel

- For the professional engine repair
- Ideally suited to fixing the cam shaft
- Simple handling
- Very high degree of accuracy

Application range: Opel Cascada (2015 - 2017), Insignia (2014 - 2017), Insignia Country Tourer (2014 - 2017), Zafira C Tourer (2014 - 2017) for 2.0 l diesel engines (engine code: B20DTH)



			g	€
400.4490	2 pcs	Camshaft locking tool set for Opel	690	149,90

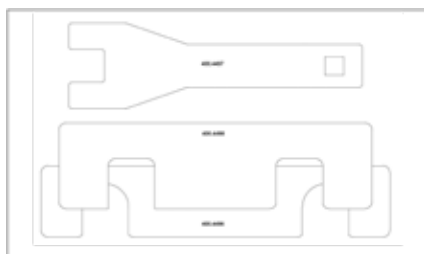
consists of:

			g	€
400.0901		Tensioning locking pin, 45 mm	4	
400.4491		Camshaft alignment tool	690	

Engine adjustment tool set for Opel

- For the professional engine repair
- for locking the camshaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Adam (2014 - 2017), Astra K (2014 - 2017) and Corsa E (2014 - 2017) with 1.0 l and 1.4 l turbo, SIDI or Ecoflex engines (engine code: LE1/B10XFL, LE1/B10XFT, LE1/B10XHL, LV7/B14XE, LE2/B14XHL, LE2/B14XHT)



			g	€
400.4495	3 pcs	Engine adjustment tool set for Opel	1,44	102,90

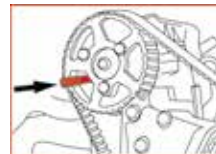
consists of:

			g	€
400.4496		Camshaft alignment tool 1,0 l and 1,4 l Turbo	470	
400.4497		Balance shaft holding tool	460	
400.4498		Camshaft alignment plate 1,4 l without turbo system	510	

Engine Timing Tool Set for Fiat / GM / Opel / PSA / Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Fiat, PSA, Renault, Opel vehicles with 2.5 / 2.8D engines



			g	€
400.1775	4 pcs	Engine Timing Tool Set for Fiat / GM / Opel / PSA / Renault	143	23,50

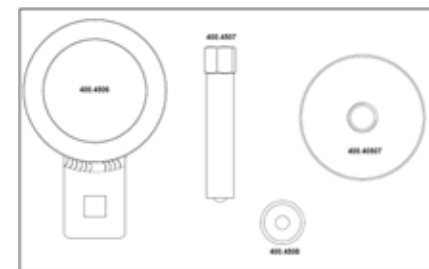
consists of:

			g	€
400.0165	2	Camshaft locking pin 5.0 mm	19	
400.0754	1	Camshaft locking pin	51	
400.1388	1	Tensioner adjuster Ø 30 mm	41	

Engine adjustment tool set for Opel

- For the professional engine repair
- to hold the crankshaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Karl (2015 - 2017), Viva (2015 - 2017) and Astra K (2015 - 2017) with 1.0 l and 1.4 l turbo or Ecoflex petrol engines (engine code: L5Q/B10XE / LWT/B10XL / LV7/B14XE / LE2/B14XHL / LE2/B14XHT)



			g	€
400.4505	4 pcs	Engine adjustment tool set for Opel	1,83	201,50

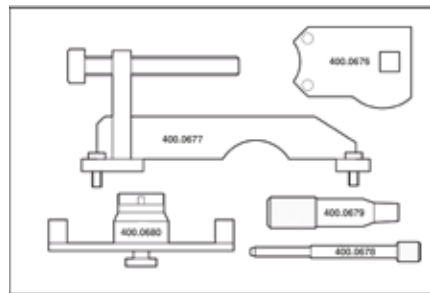
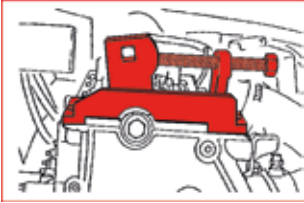
consists of:

			g	€
400.4506		Crankshaft pulley holding tool	720	
400.4507		Pressure plate with puller screw	360	
400.4508		Crankshaft protector	70	

Engine Timing Tool Set for GM / Opel / Saab

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Astra-G (1998-2006), Vectra-B, Vectra-C (1997 - 2005), Signum (2003-2005), Omega-B (1998-2003), Zafira-A (1999-2005), Sintra (1998-1999), Frontera-B (1998-2004) with 2.0 / 2.2 DTi engines (engine code: Z20DTH / Z20DTL / Z22DTH / Z22DTR) and Saab 9-3 (1998-2004) with 2.2 TID, 9-5 (2002-2007) with 2.2 TID engines (engine code: D223L)



		kg	€
400.0675	5 pcs Engine Timing Tool Set for GM / Opel / Saab	1,36	149,90

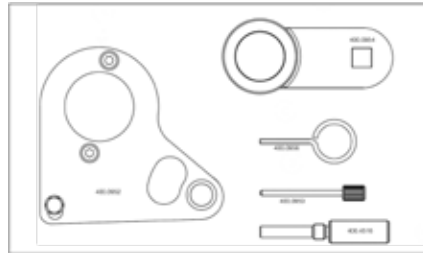
consists of:

		kg	€
400.0676	Camshaft turning tool	7	
400.0677	Bracket for timing adjustment wrench	111	
400.0678	Injection pump locking pin, Ø 6 mm, 110 mm	41	
400.0679	Flywheel TDC locking pin Ø 12 mm, 86 mm	160	
400.0680	Camshaft locking tool 120 mm	322	

Engine adjustment Tool Set for Mercedes / Opel / Renault / Nissan

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

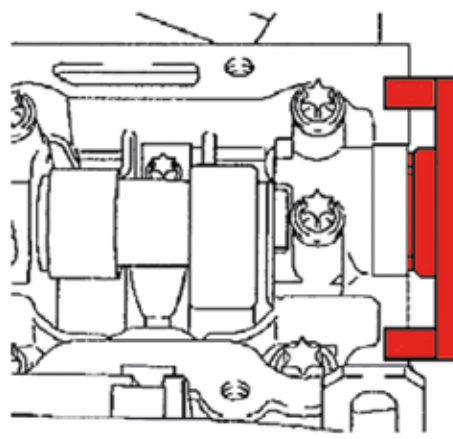
Application range: Mercedes C-Klasse (2014 – 2016), Vito (2014 – 2016), Opel Vivaro B (2013 – 2016), Renault Scenic / Grand Scenic 3 (2011 – 2016), Megane 3 (2012 – 2015), Trafic 3 (2014 – 2016), Espace 5 (2015 – 2016), Nissan Qashqai (2011 – 2016), X-Trail (2014 – 2016) with 1.6 I C180 BlueTEC, C200 BlueTEC, CDTi, CDTi BiTurbo, XMOD dCi, dCi Diesel engines (engine code: 626.951 (R9M) / 622.951 / LWX/ R9M 408 / LWZ/R9M 408 / LWU/R9M 450 / LWY/R9M 450 / R9M / R9M 410 / R9M 402 / R9M 404 / R9M 408 / R9M 450 / R9M 409 / R9M 452 / R9M 413)



		kg	€
400.4515	6 pcs Engine adjustment Tool Set for Mercedes / Opel / Renault / Nissan	2,12	213,90

consists of:

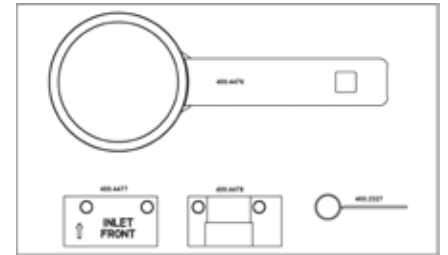
		kg	€
400.0952	Camshaft locking tool	398	
400.0954	Crankshaft pulley holding tool	424	
400.0956	Timing chain tensioner locking pin Ø 3 mm, 65 mm	6	
400.0953	Auxiliary drive belt tensioning locking pin	13	
400.4516	Locking pin for crankshaft	70	



Engine adjustment tool set for Opel / Saab

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Signum Turbo (2002 - 2008), Vectra C Turbo (2002 - 2008), Saab 9-3 1.8 Turbo (2002 - 2011), 9-3 1.8 Turbo BioPower (2002 - 2011), 9-3 2.0 Turbo (2002 - 2012), 9-3 2.0 Turbo BioPower (2010 - 2012) and 9-3XT (2009 - 2011) with petrol engines (engine code: Z20NET / B207E / B207L / B207)



		kg	€
400.4475	4 pcs Engine adjustment tool set for Opel / Saab	780	154,50

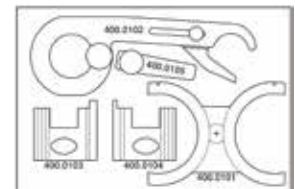
consists of:

		kg	€
400.2327	Timing chain tensioner locking pin	1	
400.4476	Crankshaft holding tool	550	
400.4477	Camshaft alignment block - inlet	90	
400.4478	Camshaft alignment block - exhaust	90	

Engine Timing Tool Set for GM / Opel / Saab

- For the professional engine repair
- For engines with bevel on the automatic pulley
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Vectra-B, Omega-B, Sintra, Calibra with 2.5 / 2.6 / 3.0 V6 engines (1998-2003) (engine code: X25XE, X30XE, Y26SE, Y32SE), Saab 9-5 with 3.0 V6 engines (engine code: B308E)



		kg	€
400.0100	5 pcs Engine Timing Tool Set for GM / Opel / Saab	2,44	200,50

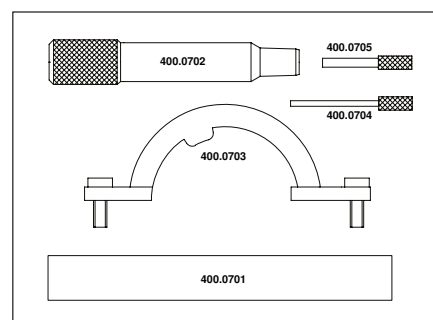
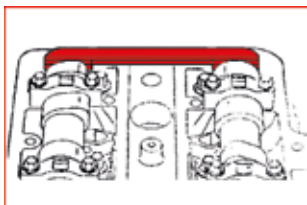
consists of:

		kg	€
400.0101	Crankshaft locking tool 137 mm	812	
400.0102	Camshaft locking tool Ø 29-50 mm	585	
400.0103	Opel Camshaft locking tool (right)	119	
400.0104	Camshaft locking tool left	120	
400.0105	Belt holding wedge	100	

Engine Timing Tool Set for GM / Isuzu / Opel / Saab

- For the professional engine repair
- Especially for chain-driven vehicles
- For locking dual cam shafts
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Astra-G, Astra-H, Combo-C, Corsa-B, Corsa-C, Corsa-D, Meriva-A, Tigra-B (1993-2010) with 1.0 12V / 1.2 16V engines (engine code: X10XE / Z10XE / Z10 XEP / X12XE / Z12XE / Z12 XEP / Z14XEL / Z14XEA) and similar Isuzu- and Saab-engines



			€
400.0700	5 pcs Engine Timing Tool Set for GM / Isuzu / Opel / Saab	1060	79,50

consists of:

			€
400.0701	Camshaft timing tool 155 mm	120	
400.0702	Flywheel TDC locking pin Ø 12 mm, 113 mm	205	
400.0703	Camshaft position (CMP) sensor disc setting tool	110	
400.0704	Tensioner retaining pin, Ø2,5mm	5	
400.0705	Tensioner retaining pin, Ø4,0mm	5	

Engine Timing Tool Set for GM / Opel

- For the professional engine repair
- Expansion set
- For engines without thread attachment bore holes
- Very high degree of accuracy

Application range: Opel Astra-F, Astra-G, Cavalier, Vectra-A (1997 - 2001) with 1.7 engines (engine code: 17DR / X17DT / DTL)



			€
400.0650	5 pcs Engine Timing Tool Set for GM / Opel	380	31,50

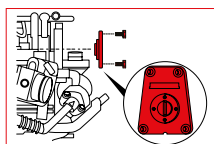
consists of:

			€
400.0651	Camshaft locking tool (3), 110 x 50 mm	169	
400.0652	Flywheel TDC indicator	80	
400.0653	Flywheel locking pin with spring on ring, 103 mm	79	

Engine Timing Tool Set for GM / Opel

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Opel Antara, Chevrolet Captiva, Curze, Epica, Lacetti with 2.0 SOHC 16V Common-Rail diesel engine (engine code: Z20DM / Z20DMH / LLWZ20DMH / RA420 / Z20SI / Z20S3 / Z20S4 / Z20S5)



			€
400.0050	6 pcs Engine Timing Tool Set for GM / Opel	748	62,50

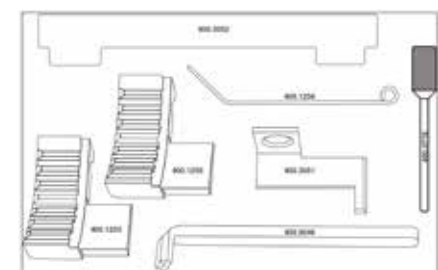
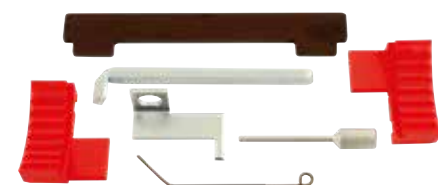
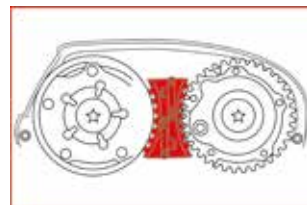
consists of:

			€
X			
400.0051	1 Crankshaft locking pin, 80 mm	70	
400.0052	1 Camshaft locking tool, 113 mm	650	
400.0053	4 Screw M6 x 20,0 mm	6	

Engine Timing Tool Set for Alfa Romeo / Fiat / GM / Opel

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

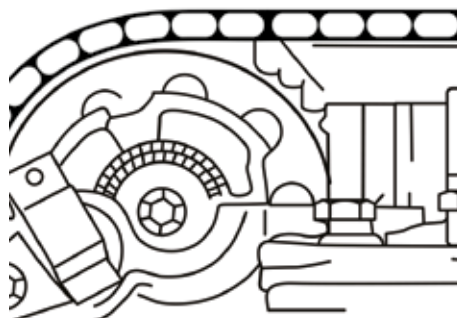
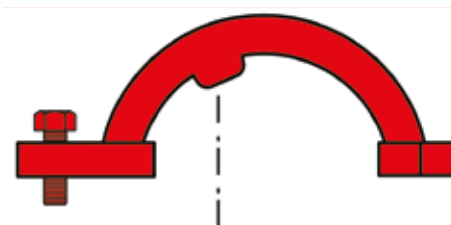
Application range: Chevrolet Cruze, Orlando with 1.4 / 1.6 / 1.8 engines, Opel Astra-G, Astra-H, Corsa-D, Insignia, Meriva, Signum, Vectra-C, Zafira-B, Fiat Croma, Alfa Romeo 159 (engine code: Z / A / 939A4.000)



			€
400.3050	7 pcs Engine Timing Tool Set for Alfa Romeo / Fiat / GM / Opel	424	74,90

consists of:

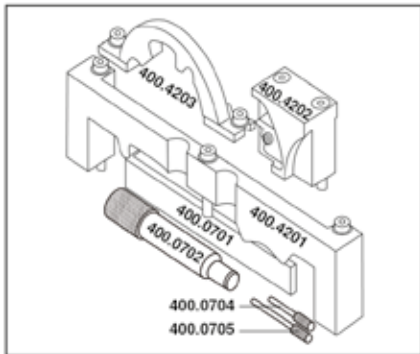
			€
400.0778	Locking pin, 80 mm	20	
400.1255	Camshaft locking tool for Opel (2), red	56	
400.1256	Tensioner locking pin for 400.1250	3	
400.3051	Flywheel holding tool	32	
400.3052	Camshaft Locking Bar	148	
400.9046	Flywheel locking tool, 130 mm	80	



Engine Timing Tool Set for GM / Opel

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Adam, Ampera, Astra-J, Aveo, Corsa-D, Insignia, Meriva-B, Mokka, Zafira-C Tourer with 1.0 / 1.2 / 1.4 engines (engine code: LWD / L2Z / LDD / LUU/A14XFL / LDD/A14XER / LDD/A14XEL / LUJ/A14NET / LUJ/A14NEL / A10XEP / A12XEL / A12XER / A14XEL / A14XER / A14NEL / LUJ/A14NET / LDD/A14XER / LUJ/A14NET / LUH/A14NEL / LUJ/A14NET / LUJ/A14NEL / L2Q/A12XEL / LDC/A12XER / LWD/A12XEL / LDD/A14XEL / LDD/A14XER)



		kg	€
400.4200	7 pcs Engine Timing Tool Set for GM / Opel	2,18	225,90

consists of:

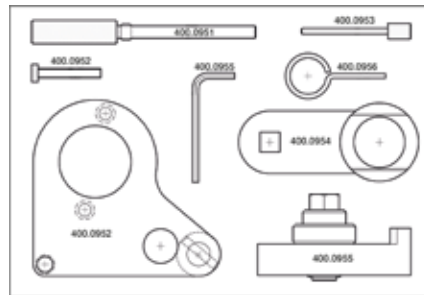
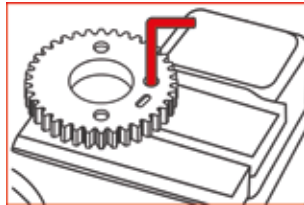
		kg	€
400.0701	Camshaft timing tool 155 mm	120	
400.0702	Flywheel TDC locking pin Ø 12 mm, 113 mm	205	
400.0704	Tensioner retaining pin, Ø2,5mm	5	
400.0705	Tensioner retaining pin, Ø4,0mm	5	
400.4201	Cam shaft sensor disc adjustment tool	340	
400.4202	Camshaft adjustment tool (inlet)	340	
400.4203	Cam shaft sensor locking tool	180	



Engine Timing Tool Kit for Nissan / Renault

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Renault Megane, Vel Satis, Espace, Scenic, Trafic, Laguna, Koleos, Nissan Qashqai, Opel Vivaro with 2.0 dCi engine (engine code: M9R)



		kg	€
400.0950	8 pcs Engine Timing Tool Kit for Nissan / Renault	2,73	235,50

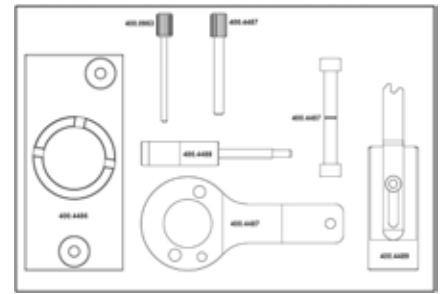
consists of:

		kg	€
400.0951	Crankshaft locking pin Ø 8 mm, 144 mm	103	
400.0952	Camshaft locking tool	398	
400.0953	Auxiliary drive belt tensioning locking pin	13	
400.0954	Crankshaft pulley holding tool	424	
400.0955	Camshaft gear alignment tool (2)	593	
400.0956	Timing chain tensioner locking pin Ø 3 mm, 65 mm	6	
400.0957	Key hex, 4.0 mm	1	
400.0958	Locking screw M6 x 40.0 mm	18	

Engine adjustment tool set for Opel

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

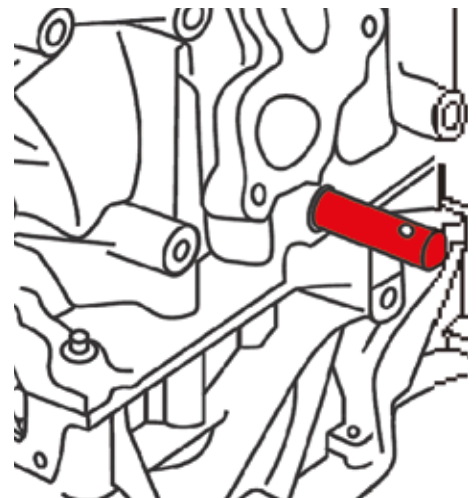
Application range: Opel Cascada (2015 - 2017), Insignia (2014 - 2017), Insignia Country Tourer (2014 - 2017) and Zafira C Tourer (2014 - 2017) with 2.0 I CDTi ecoFLEX and CDTi diesel engines (engine code: LFS/B20DTH)

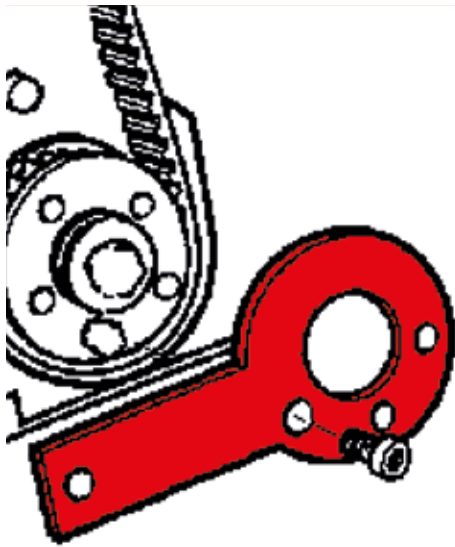


		kg	€
400.4485	8 pcs Engine adjustment tool set for Opel	403	230,50

consists of:

		kg	€
400.0953	Auxiliary drive belt tensioning locking pin	13	
400.4486	High pressure fuel pump sprocket locking tool	170	
400.4487	Crankshaft timing tool with screws and pin	240	
400.4488	Locking pin for camshaft	80	
400.4489	Crankshaft holding tool (Auto Transmission)	45	





Engine Timing Tool Set for GM / Opel / Saab

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Corsa-C, Combo-C (2003-2007), Tigra-B, Meriva, Astra-H (2004-2007), Corsa-D (2006-2007) with 1.3 CDTi engines (engine code: Z13DT / Z13DTH / Z13DTJ), Opel Astra-H, Vectra-C, Signum, Zafira-B with 1.9 CDTi engines (engine code: Z19DT / Z19DTL), Saab 9-3, 905 with 1.9 CDTi engines (engine code: Z19DT / Z19DTH)



Engine adjustment tool set for Opel

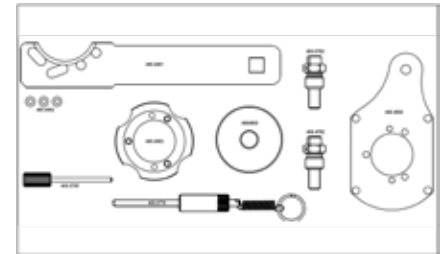
- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Cascada (2013 - 2016), Astra J (2013 - 2016), Zafira C (2013 - 2016) and Insignia (2013 - 2016) with 1.6 I SIDI Turbo engines (engine code: LVP/A16X-HT, LWC/A16SHT, LVP/B16XHT, LWC/B16SHT, LWC/B16SHL)

Engine adjustment tool set for Opel

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

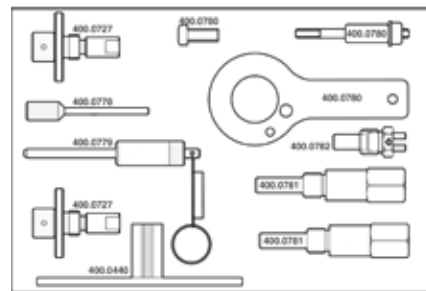
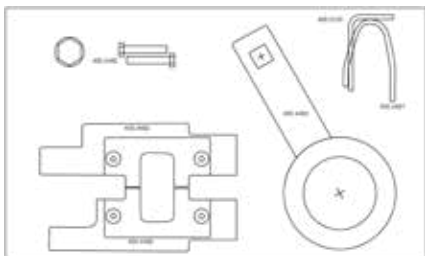
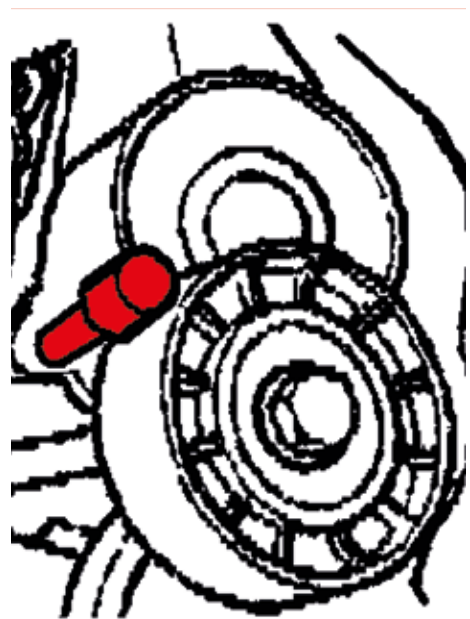
Application range: Opel Corsa-E (2015 - 2017) with 1.3 I CDTi engines (engine code: LKU/B13DTE, LKU/B13DTR, LKV/B13DTC)



			kg	€
400.4500	11 pcs	Engine adjustment tool set for Opel	1,93	269,90

consists of:

	X		kg	
400.0705	1	Tensioner retaining pin, Ø4,0mm	5	
400.0779	1	Crankshaft locking tool Ø 6 mm	80	
400.0782	2	Camshaft alignment screw	40	
400.4501	1	Crankshaft pulley hub holding tool	570	
400.4502	1	Camshaft position sensor disc setting tool with screws (5)	420	
400.4503	1	Timing chain front cover alignment	350	



			kg	€
400.0775	11 pcs	Engine Timing Tool Set for GM / Opel / Saab	1,29	201,50

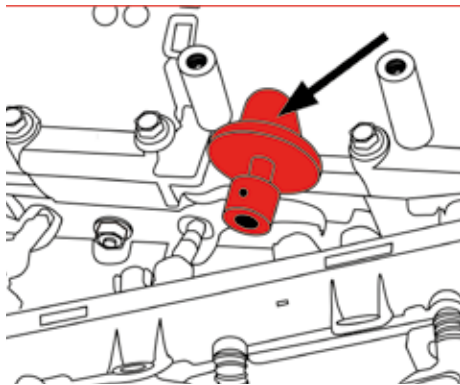
consists of:

			kg	
400.0440		Flywheel locking tool 135 x 40 mm	136	
400.0727		Camshaft locking tool (2) Ø 45 mm	130	
400.0778		Locking pin, 80 mm	20	
400.0779		Crankshaft locking tool Ø 6 mm	80	
400.0780		Crankshaft pulley setting tool (3)	260	
400.0781		Camshaft timing pin set (2)	180	
400.0782		Camshaft alignment screw	40	

			kg	€
400.4480	11 pcs	Engine adjustment tool set for Opel	2,06	303,90

consists of:

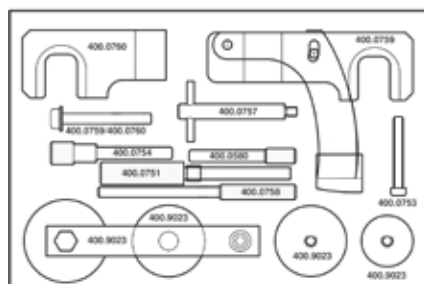
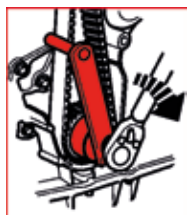
	X		kg	
400.4481	2	Balance shaft sprocket locking	10	
400.0120	2	Tensioner pin for valve control chain	3	
400.4482	1	Camshaft holding and alignment tools with screws (6)	960	
400.4483	1	Crankshaft pulley holding tool	1100	



Engine adjustment tool kit for Nissan / Opel / Renault

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Renault Clio 1.5 / 1.9 / 2.3 / 2.5 dCi, Laguna II, Espace, Trafic, Master with 2.2 DTI (2000-2005) G9 engines, Opel Movano 2.2 Tdi, Nissan Kubistar, Primastar, Interstar and Micra with 1.5 / 2.2 / 2.5 dCi engines



			€
400.0750	15 pcs Engine adjustment tool kit for Nissan / Opel / Renault	1,69	254,90

consists of:

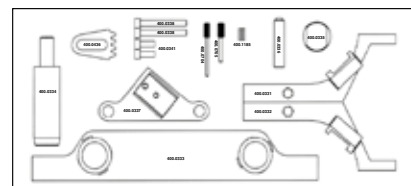
400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30
400.0751	Crankshaft locking pin Ø 7,5 mm	102
400.0752	Washers M8	1
400.0753	Locking screw M6 x 30,0 mm	10
400.0754	Camshaft locking pin	51
400.0757	Hi-Pressure pump locking pin	43
400.0758	Flywheel locking pin Ø 7 mm	55
400.0759	Camshaft setting tool (exhaust) (2)	20
400.0760	Camshaft setting tool (inlet)	223
400.9023	Cam belt tensioning tool for Renault	669



Engine Timing Tool Set for Opel / Saab / Chevrolet

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

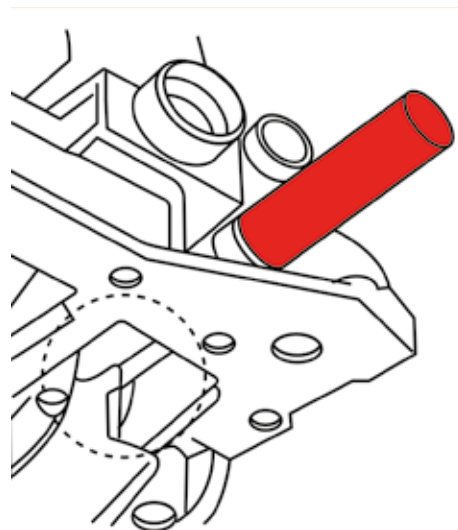
Application range: Opel Astra, Insignia, Antara with 2.0 I and 2.4 I engines (engine code: LHU/A20NFT/LTG/A20N-HT/162(220)5300); Saab 9-5 with 2.0 I engines (engine code: LHU/A20NFT/LE5/LE9) and Chevrolet Captiva, HHR, Malibu with 2.0 I engines (engine code: LHU/A20NFT)



			€
400.0330	18 pcs Engine Timing Tool Set for Opel / Saab / Chevrolet	3,68	380,90

consists of:

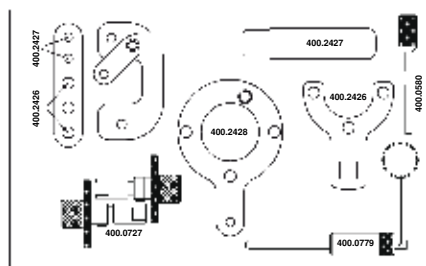
	X		
400.0331	1	Cam shaft locking device left	360
400.0332	1	Cam shaft locking device right	360
400.0333	1	Cam shaft adjustment holding tool, 310 mm	459
400.0334	1	Crankshaft locking pin Ø 15 mm	55
400.0335	1	Piston holder tension pin, 11 mm	162
400.0336	1	Piston holder remover, 16 mm	36
400.0337	1	Fly wheel holding tool bottom	502
400.0338	2	Screw M6x50, 55,0 mm	13
400.0341	2	Screw M6x16, 22,0 mm	10
400.0436	1	Flywheel locking tool, 28 x 45 mm	135
400.0704	1	Tensioner retaining pin, Ø2,5mm	5
400.0705	1	Tensioner retaining pin, Ø4,0mm	5
400.1185	4	Washer M6	1



Engine Timing Tool Kit for Fiat / Ford / Opel / Suzuki

- For the professional engine repair
- Especially for chain-driven engines
- For changing the steering chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat 1.3 JTD, Opel 1.3 CDTI, Ford 1.3 TDCi, Suzuki (engine code: Z13DT)



			€
400.2425	12 pcs Engine Timing Tool Kit for Fiat / Ford / Opel / Suzuki	1,12	174,50

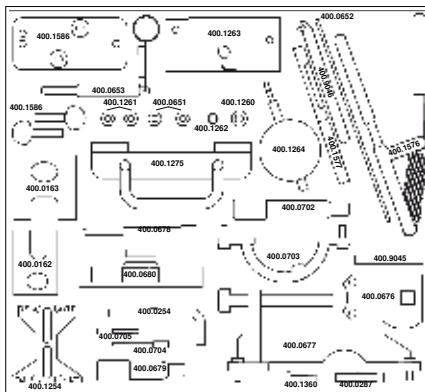
consists of:

400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30
400.0727	Camshaft locking tool (2) Ø 45 mm	130
400.0779	Crankshaft locking tool Ø 6 mm	80
400.2426	Crankshaft pulley flange holding tool (4)	88
400.2427	Timing chain tensioning tool (3)	171
400.2428	Flywheel timing position tool	398

Engine Timing Tool Kit for Isuzu / GM / Opel / Saab

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Ascona, Astra-F, Astra-G, Corsa-B, Corsa-C, Frontera, Kadett-E, Midi, Monterey, Omega-B, Sintra, Vectra-A, Vectra-B, Vectra-C, Zafira and similar **Isuzu** and **Saab** vehicles



			€
400.1575	32 pcs Engine Timing Tool Kit for Isuzu / GM / Opel / Saab	3,91	491,50

consists of:

			€
400.0162	Camshaft locking tool for Opel / Saab, blue	186	
400.0163	Camshaft locking tool for GM / Opel, gold	143	
400.0254	Locking pin Ø 9.5 mm	60	
400.0287	Screw M8 x 40,0 mm	18	
400.0652	Flywheel TDC indicator	80	
400.0653	Flywheel locking pin with spring on ring, 103 mm	79	
400.0676	Camshaft turning tool	7	
400.0677	Bracket for timing adjustment wrench	111	
400.0678	Injection pump locking pin, Ø 6 mm, 110 mm	41	
400.0679	Flywheel TDC locking pin Ø 12 mm, 86 mm	160	
400.0680	Camshaft locking tool 120 mm	322	
400.0702	Flywheel TDC locking pin Ø 12 mm, 113 mm	205	
400.0703	Camshaft position (CMP) sensor disc setting tool	110	
400.0704	Tensioner retaining pin, Ø2,5mm	5	
400.0705	Tensioner retaining pin, Ø4,0mm	5	
400.1254	Flywheel locking tool, 70 x 54 mm	23	

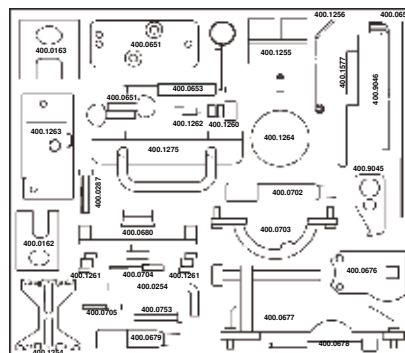
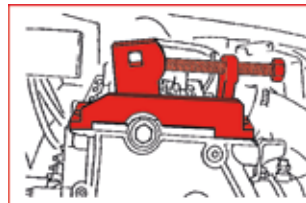
consists of:

			€
400.1260	Screw for 400.1263	9	
400.1261	Locking screw M6 x 10,0 mm	4	
400.1262	Special tip	10	
400.1263	Mounting bracket assy	330	
400.1275	Camshaft setting strap (TDC)	404	
400.1360	Flywheel locking tool Ø 7 mm	82	
400.1576	Belt tensioner adjuster	297	
400.1577	Camshaft setting strap 140 mm	99	
400.9045	Flywheel locking tool, 62 x 30 mm	80	
400.9046	Flywheel locking tool, 130 mm	80	
400.1264	Dial gauge Ø 51 (10 x 0.01 mm) 103 mm	161	
400.0651	Camshaft locking tool (3), 110 x 50 mm	169	

Engine Timing Tool Set for GM / Isuzu / Opel / Saab

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Ascona, Astra-F, Astra-G, Astramax, Belmont, Cavalier, Corsa-B, Corsa-C, Frontera, Kadett-E, Midi, Monterey, Omega-B, Sintra, Vectra-A, Vectra-B, Vectra-C, Zafira with petrol and diesel engines including Eco-Tec engines and similar **Isuzu** and **Saab** engines



			€
400.1250	36 pcs Engine Timing Tool Set for GM / Isuzu / Opel / Saab	6,18	472,90

consists of:

			€
400.0162	1 Camshaft locking tool for Opel / Saab, blue	186	
400.0163	1 Camshaft locking tool for GM / Opel, gold	143	
400.0254	1 Locking pin Ø 9.5 mm	60	
400.0287	1 Screw M8 x 40,0 mm	18	
400.0651	1 Camshaft locking tool (3), 110 x 50 mm	169	
400.0652	1 Flywheel TDC indicator	80	
400.0653	1 Flywheel locking pin with spring on ring, 103 mm	79	
400.0676	1 Camshaft turning tool	7	
400.0677	1 Bracket for timing adjustment wrench	111	
400.0678	1 Injection pump locking pin, Ø 6 mm, 110 mm	41	
400.0679	1 Flywheel TDC locking pin Ø 12 mm, 86 mm	160	
400.0680	1 Camshaft locking tool 120 mm	322	
400.0702	1 Flywheel TDC locking pin Ø 12 mm, 113 mm	205	
400.0703	1 Camshaft position (CMP) sensor disc setting tool	110	
400.0704	1 Tensioner retaining pin, Ø2,5mm	5	
400.0705	1 Tensioner retaining pin, Ø4,0mm	5	
400.0753	1 Locking screw M6 x 30,0 mm	10	
400.1254	1 Flywheel locking tool, 70 x 54 mm	23	
400.1255	1 Camshaft locking tool for Opel (2), red	56	
400.1256	1 Tensioner locking pin for 400.1250	3	
400.1260	1 Screw for 400.1263	9	
400.1261	4 Locking screw M6 x 10,0 mm	4	
400.1262	1 Special tip	10	
400.1263	1 Mounting bracket assy	330	
400.1264	1 Dial gauge Ø 51 (10 x 0.01 mm) 103 mm	161	
400.1275	1 Camshaft setting strap (TDC)	404	
400.9045	1 Flywheel locking tool, 62 x 30 mm	80	
400.9046	1 Flywheel locking tool, 130 mm	80	
400.1577	1 Camshaft setting strap 140 mm	99	

Diesel pump adjustment tool

- Secure stand for the pump wheel when assembling and disassembling the high pressure pump
- exact positioning of the pump wheel
- no need to disassemble the tooth belt
- saves work of making further adjustments to the pump
- Saves a lot of time
- Special tool steel

Application range: Diesel engines F9Q for **Opel**, **Renault**, and **Nissan** vehicles



			€
400.9051	Diesel pump adjustment tool	420	32,50



PSA

High pressure fuel pump alignment mandrel for PSA

- For the professional engine repair
- Ideally suited for aligning the high-pressure fuel pump at Citroen and Peugeot with Blue Technology
- Simple handling
- Very high degree of accuracy

Application range: Citroën Berlingo III (2014 - 2017), C3 (2014 - 2017), C4 (2014 - 2017), C4 Picasso/Grand Picasso II (2014 - 2017), C-Elysee (2014 - 2017), DS3/DS3 Convertible (2014 - 2015), DS4 (2014 - 2015), DS5 (2014 - 2015), Peugeot 2008 (2014 - 2017), 208 (2014 - 2017), 3008 (2014 - 2016), 301 (2014 - 2017), 308 (2014 - 2017), 5008 (2014 - 2017), 508 (2014 - 2017), Partner III (2014 - 2017) for 1.6 l diesel engines (engine code: BHW (DV6FE) / BHY (DV6FD) / BHZ (DV6FC) / BHX (DV6FC) / DV6FC (BHX) / DV6FC (BHZ) / DV6FD (BHY) / DV6FE (BHW) / DV6FD)



		g	€
400.0011	High pressure fuel pump alignment mandrel for PSA	30	13,90

Timing belt tensoning tool for PSA

- For the professional engine repair
- 8.0 mm square
- Suitable for pre-tensioning timing belt tensoner on the automatic pulley
- Chrome vanadium
- Very high degree of accuracy

Application range: universal usage on many Peugeot vehicles



	Suitable for	Length mm	g	€
150.3014	PSA	157,0	100	20,50

Timing belt tensoning tool for PSA / Toyota

- For the professional engine repair
- 7.0 mm square
- Suitable for pre-tensioning timing belt tensoner on the automatic pulley
- Chrome vanadium
- Very high degree of accuracy

Application range: universal usage on many Peugeot and Toyota vehicles

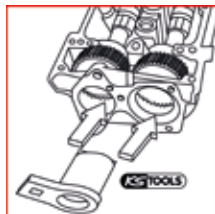


	Suitable for	Length mm	g	€
150.3011	PSA, Toyota	157,0	80	20,50

Camshaft locking tool for PSA

- For the professional engine repair
- To counter hold when loosening and tightening the cam shaft wheel screws
- Square drive 1/2"
- Very high degree of accuracy

Application range: Citroën, Peugeot, Fiat, Ford, Alfa Romeo with 1.3 JTD engines



1/2"

		g	€
400.2429	Camshaft locking tool for PSA	485	37,50

Valve spring compressor for PSA

- For the professional engine repair
- For retaining the valve springs
- Universal usage
- Includes 8 screws with pressure cone and 2 locking screws
- Chrome vanadium
- Very high degree of accuracy

Application range: Citroën Berlingo, Xsara petrol engines with 1.0, 1.1, 1.4, 1.6l, and Peugeot 106, 205, 206, 306, 307, 405 with petrol engines



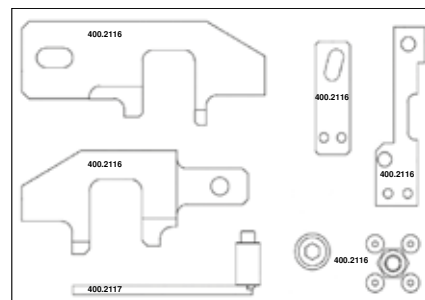
	Suitable for	Length mm	kg	€
400.9001	PSA	390,0	3,80	109,50



Engine Timing Tool Set for PSA

- For the professional engine repair
- For blocking the cam and crank shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Citroën, Peugeot with 1.0 and 1.2 petrol engines (engine code: ZMZ (EBO)/HMZ (EB2)/HMY (EB2M)/EB2 (HMZ)/EBO (ZMZ)/EB2 (HMW)/EB2DTS (HNY)



		kg	€
400.2115	11 pcs Engine Timing Tool Set for PSA	1,99	212,90

consists of:

		g	
400.2116	Cam shaft adjustment tool	740	
400.2117	Crank shaft locking pin, 105 mm	70	

Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot

- For the professional engine repair
- For locking the cam shaft
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Land Rover Discovery (2009 – 2015), Discovery Sport (2009 – 2015), Freelander 2 (2009 – 2015), eD4 (2009 – 2015), TD4 (2009 – 2015), TD4e (2009 - 2015), Citroën C5 (2002 – 2015), C5 II (2002 – 2015), C5 III (2002 – 2015), C6 (2002 – 2015), C8 (2002 – 2015), C-Crosse (2002 - 2015), Mitsubishi Outlander DI-D (2007 – 2013), DI-DC (2007-2013), Peugeot 4007 (2000 – 2015), 407 (2000- 2015), 607 (2000 – 2015), 807 (2000 – 2015), 406 (2000 – 2015), 508 (2000 – 2015), 607 (2000 – 2015), GT (2000-2015), Ford Galaxy (2008 - 2015), Mondeo (2008 - 2015), S-Max (2008 - 2015) for 2.2 l diesel engines (engine codes: 224DT / DW12CTED4 224DT / DW12BTED4 224DT /4HX (DW12CTED4) / 4HP (DW12BTED4) / 4HX (DW12TED4) / 4HW (DW12TED4/L4) / 4HK, 4HN / DW12MTED4 (4HK) / DW12MTED4 (4HN) / DW12BTED4 (4HP) / DW12BTED4 (4HR) / DW12BTED4 (4HT) / DW12TED4/L4 (4HW) / DW12BTED4 (4HS) / DW12ATED (4HZ) / DW12ATED4 (4HX) / DW12ATED (4HZ) / DW12CTED4 (4HL), KNBB, KNBA, KNWA, Q4BA)

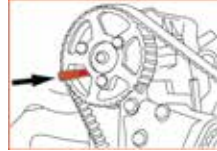
consists of:

400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.0609	Flywheel locking tool 133 x 40 mm	308	
400.0903	Crankshaft locking pin	85	

Engine Timing Tool Set for Fiat / GM / Opel / PSA / Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Fiat, PSA, Renault, Opel vehicles with 2.5 / 2.8D engines



			€
400.4450	3 pcs Assembly tool set for Citroën / Ford / Land Rover / Mitsubishi / Peugeot	680	83,50

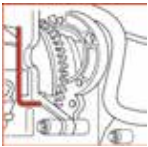
consists of:

400.4451	Balance shaft locking tool	190	
400.4452	Balance shaft tool	140	
400.4453	Balance shaft adjustment tool	230	

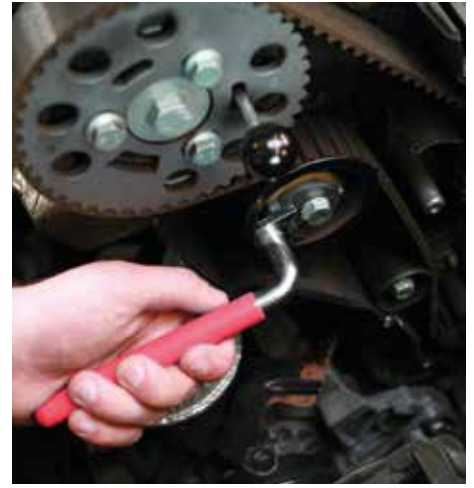
Engine Timing Tool Set for Ford / Land Rover / PSA / Volvo

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford, Land Rover, PSA, Volvo vehicles with 2,0 / 2,2 DOHC Common-Rail Diesel engines



			€
400.1625	6 pcs Engine Timing Tool Set for Ford / Land Rover / PSA / Volvo	473	67,50



Universal fly wheel locking tool set

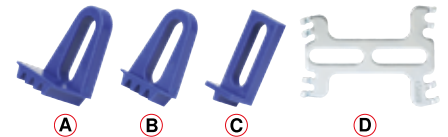
- For the professional engine repair
- For locking the fly wheels
- Secure hold thanks to optimal positioning
- Special plastic
- Very high degree of accuracy

A Fly wheel Locking device for:Citroën: Synergie 2.0/Turbo, ZX 1.9D/TD, Xantia 1.9D/TD, Berlingo 1.9D, Dispatch 1.9D/TD, Synergie 1.9D, Relay 1.9D/TD, Fiat: Ulysse, 2.0/Turbo Ducato 2.0, FSO: 1.9D, LDV: 200 1.9D, Pilot 1.9D, Peugeot: 205 1.6/1.9, 305 1.6/1.9, 309 1.6/1.9, 405 1.6/1.9, 405 1.8/2.0 (92-), 605 2.0, Boxer 2.0, c205 1.8/1.9D, 305 1.8/1.9D, 306 1.8/1.9D/TD, 309 1.8/1.9D 1.8TD, 405 1.8TD, 405 1.9D, 406 1.9D, Partner 1.9D, Talbot / Horizon / Solara 1.9D, J5/Talbot Express 1.9D, 605D/TD, 806 1.9TD, Expert 1.9D, Boxer 1.9D/TD, Renault: R5, 1.6D, R9 1.6D, 411 1.6D Express/Extra 1.6D-F8M diesel engines, Clio, Express/Extra, 1.9D earlier F8Q diesel engines, Espace 2.1D, R21 2.1D, R25 2.1D, Trafic/Master 2.1D-J8S diesel engines, Clio 1.2/1.4, Express/Extra, R19 1.4, Megane/Scenic 1.4/1.6-E7F/E7J petrol engines, R5 1.7, Clio 1.7/1.8, R19 1.7, R21 1.7 1.7 Megane/Scenic 2.0, Laguna 1.8/2.0, Trafic 1.7-F3N/F3P/F2R petrol engines, Clio, Williams, R19, Megane 2.0 16V Twin-Cam F7P/F7R engines, Laguna/ Safrane 2.0 16V Twin-Cam N7Q/N7U engines

B Fly wheel Locking device for:Renault: Clio, Twingo, Kangoo, Megane/Scenic, 1.2/1.6 D7F + K7M Petrol engine, Megane/Scenic, Kangoo 1.9D FBQ + F9Q Diesel engine (direct injection)

C Fly wheel Locking device for:Citroën: Xsara, Xantia 1.8/2.0XU7 JP/JPB petrol engines, Xsara 1.8 16V XU7 JP4 twin cam shaft engines, ZX.Xantia, XM2.0 16V XU10J4 twin cam shaft engines, Xantia 1.9D/TD XUD9BTF diesel engines, Xantia, XM2.1TD XUD 11BTE diesel engines, Peugeot: 406, 1.8/2.0 XU7 JP/JPB Petrol engine, 406 1.8 16V XU7 JP4 Double cam shaft engines, 306, 405, 605 2.0 16V XU10J4 Double cam shaft engines, 406, 1.9D/TD XUD9BTF Diesel engines, 406, 605 2.1 TD XUD 11BTE Diesel engines

D Fly wheel Locking device for:Vauxhall/Opel: 1.2, 1.4, 1.6, 1.8, 2.0 OHC Petrol engines, 1.6D & 1.7, OHC Diesel engines, 1.5 & 1.7 OHE Diesel (Isuzu)-Engines



			€
150.3025	4 pcs Universal fly wheel locking tool set	30	10,90

Crankshaft locking tool set for PSA

- For the professional engine repair
- For fixing the crank shaft
- Contains special square wrench for adjusting the timing belt on the automatic pulley
- For changing the timing belt
- Secure hold for changing the timing belt or engine repairs
- Very high degree of accuracy

Application range: Citroën AX with 1.0/1.1 and 1.4 engines, BX 16, BX 19, BX 16 valve, Peugeot 106, 205, 405 with 1.0/1.1 and 1.4 engines, Peugeot 205, 305, 309, 405 with 1.6 and 1.9 engines, 309 GTI, 405 Mi1,6



			kg	€
400.0200	6 pcs	Crankshaft locking tool set for PSA	235	24,90

consists of:

			kg	€
400.0153	1	Tensioner adjuster, square 8.0 mm	6	
400.0156	1	Crankshaft timing pin Ø 6.0 mm	23	
400.0157	2	Crankshaft locking pin Ø 10.0 mm, short (2)	120	
400.0158	2	Crankshaft locking pin (2) Ø 8,5 mm	30	

Engine Timing Tool Kit for Fiat / Iveco / PSA

- For the professional engine repair
- For locking the cam shaft or fly wheels
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat Ducato 2.8 TD, JTD, Iveco 2.8 D, TDI, Citroën Relay, Jumper, Peugeot Boxer, Boxer II (engine code: 8140,43 / 8140.43N / 8140.43S / 8140,63)



			kg	€
400.3000	5 pcs	Engine Timing Tool Kit for Fiat / Iveco / PSA	200	59,90

consists of:

			kg	€
400.0165	1	Camshaft locking pin 5.0 mm	19	
400.1377	1	Tensioning locking pin Ø 8 mm	35	
400.1388	1	Tensioner adjuster Ø 30 mm	41	
400.3001	1	Flywheel holding tool, 45 mm	106	

Engine Timing Tool Set for BMW / Mini / PSA

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy

Application range: BMW Mini with 1.4 / 1.6 Valvetronic engines (engine code: N12), Peugeot 207, 308 with 1.4 / 1.6 engines (engine code: EP3 / EP6), Citroën with 1.4 / 1.6 engines (engine code: EP3 / EP6)



			kg	€
400.0850	7 pcs	Engine Timing Tool Set for BMW / Mini / PSA	1,40	232,50

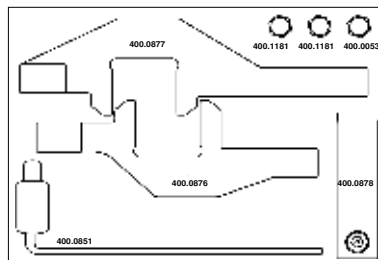
consists of:

			kg	€
400.0851	1	Crankshaft locking pin Ø 8 mm	52	
400.0852	1	Camshaft locking tool inlet (2)	812	
400.0853	1	Camshaft locking tool (EX)	358	
400.1181	3	Bolt M6x30	8	

Engine Timing Tool Kit for BMW / Mini / PSA

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- For locking the cam shaft
- For changing the timing chain

Application range: BMW Mini with 1.6 engines (engine code: N14 / R56), Peugeot 207, 308 with 1.6 engines (engine code: EP6 / EP6DT / DTS), Citroën with 1.6 engines (engine code: EP6 / EP6DT / DTS)



			kg	€
400.0875	7 pcs	Engine Timing Tool Kit for BMW / Mini / PSA	1,49	215,50

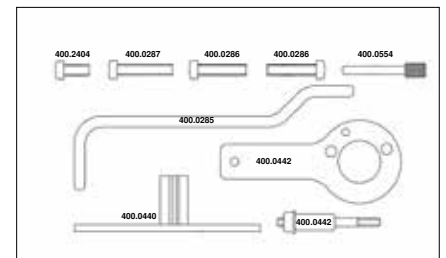
consists of:

			kg	€
400.0851	1	Crankshaft locking pin Ø 8 mm	52	
400.0878	1	Support clamp	93	
400.0877	1	Camshaft alignment tool (exhaust)	423	
400.0876	1	Camshaft alignment tool (inlet)	270	
400.1181	2	Bolt M6x30	8	
400.0053	1	Screw M6 x 20,0 mm	6	

Engine Timing Tool Set for Fiat / Peugeot

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Fiat Brava, Bravo, Marea, Marea (sic) and Peugeot with 1.9 D/TD engines (> 1996)



			kg	€
400.0550	9 pcs	Engine Timing Tool Set for Fiat / Peugeot	1,25	68,50

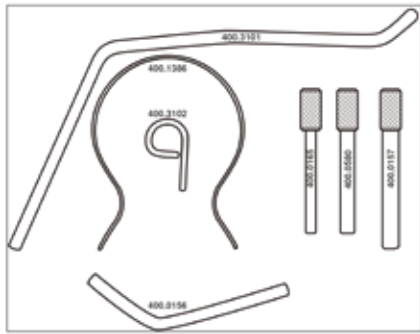
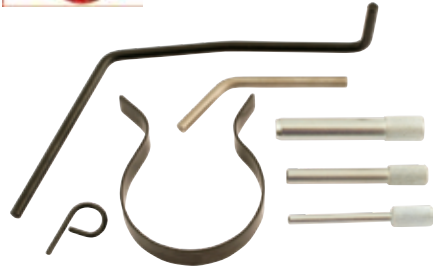
consists of:

			kg	€
400.0285	1	Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286	2	Screw M8 x 35 mm (2)	16	
400.0287	1	Screw M8 x 40,0 mm	18	
400.0440	1	Flywheel locking tool 135 x 40 mm	136	
400.0442	1	Crankshaft timing tool (2) 130 mm	154	
400.0554	1	Locking pin Ø 6.0 mm	19	
400.2404	1	Socket head screw M8 x 20 mm	13	

Engine Timing Tool Set for PSA

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy

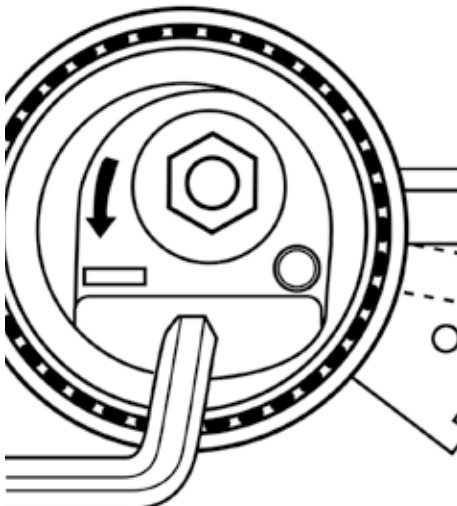
Application range: PSA vehicles with 1.4 8V and 16V engines (engine code: KFV)



		g	€
400.3100	8 pcs Engine Timing Tool Set for PSA	362	72,90

consists of:

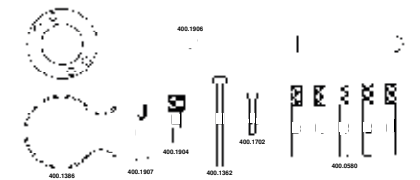
		g	€
400.0156	Crankshaft timing pin Ø 6,0 mm	23	
400.0157	Crankshaft locking pin Ø 10,0 mm, short (2)	120	
400.0165	Camshaft locking pin 5,0 mm	19	
400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.1386	Belt retaining tool, Ø 70 mm	50	
400.3101	Flywheel locking pin Ø 6,0 mm, long	58	
400.3102	Tensioner locking pin, 37 mm	4	



Engine adjustment tool set for PSA / Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Citroën XM, Peugeot 605, Renault Safrane, Espace (engine code: L7X 700 / 701 / 713 / 727 / 731 / XFZ / ES9J4)



		g	€
400.1900	11 pcs Engine adjustment tool set for PSA / Renault	2,31	142,50

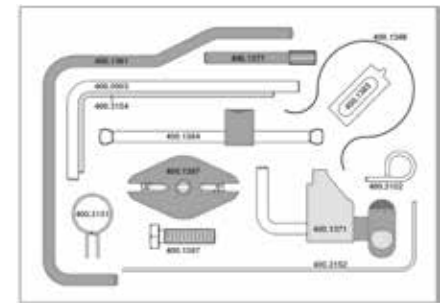
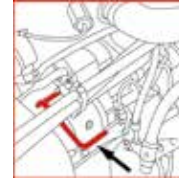
consists of:

		g	€
400.0580	5 Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.1362	1 Locking screw M8 x 80,0 mm	31	
400.1386	1 Belt retaining tool, Ø 70 mm	50	
400.1904	1 Gauge pin	14	
400.1906	1 Camshaft locking tool	896	
400.1907	1 Tensioning fork	35	
400.0286	1 Screw M8 x 35 mm (2)	16	

Engine Timing Tool Kit for Fiat / PSA

- For the professional engine repair
- For adjusting the valve controls
- For twin cam shaft systems with timing belt/chain combinations
- Very high degree of accuracy
- In durable steel storage case

Application range: Citroën and Fiat with 2.0 / 2.2 SOHC and DOHC engines (engine code: DW10 / DW12)



		g	€
400.3150	15 pcs Engine Timing Tool Kit for Fiat / PSA	814	186,50

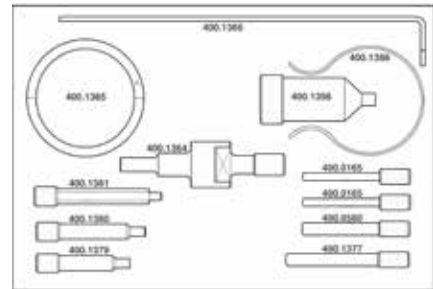
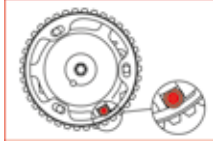
consists of:

		g	€
400.0903	Crankshaft locking pin	85	
400.1361	Flywheel locking tool Ø 8 mm	146	
400.1371	Belt retaining tool Ø 25 mm	99	
400.1377	Tensioning locking pin Ø 8 mm	35	
400.1383	Flywheel locking tool 50 mm	30	
400.1384	Tensioner adjuster Ø 9 mm, 155 x 20 mm	118	
400.1386	Belt retaining tool, Ø 70 mm	50	
400.1387	Crankshaft pulley remover (4)	153	
400.3102	Tensioner locking pin, 37 mm	4	
400.3151	Crankshaft pulley centralisation tool	2	
400.3152	Tensioner locking pin, 210 mm	7	
400.3154	Auxiliary drive belt tensioner locking pin Ø 4,0 mm	18	

Engine adjustment tool set for PSA

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Citroën Xsara, Picasso, C5, C4, Evasion, Synergie, C8, Jumpy, Dispatch, Peugeot 206, 307, 406, 607, 806, 807, Expert (engine code: EW12J4(3FC) / EW10D-HP(RLZ) / EW10J4S(RFK) / EW10J4(RFN/RFR) / EW7J4(6FZ)



			€
400.1750	12 pcs Engine adjustment tool set for PSA	1,26	173,50

consists of:

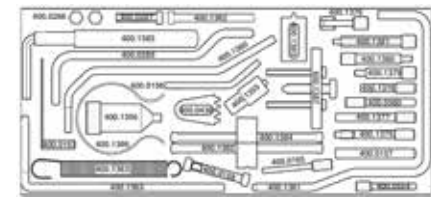
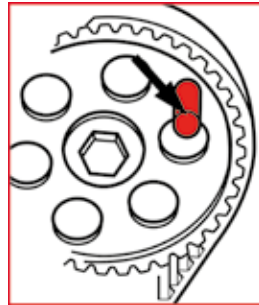
X		€
400.0165 2 Camshaft locking pin 5.0 mm	19	
400.0580 1 Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.1356 1 Flywheel locking tool Ø 8 mm x 28 mm	252	
400.1364 1 Flywheel locking pin Ø 9 mm x 15 mm	215	
400.1365 1 Tensioner pulley adjusting tool	330	
400.1366 1 Tensioner adjuster, square, 4.0 mm	44	
400.1377 1 Tensioning locking pin Ø 8 mm	35	
400.1379 1 Camshaft locking pin Ø 6 mm	37	
400.1380 1 Camshaft locking pin, 71,0 mm	43	
400.1381 1 Camshaft locking pin (VTC)	50	
400.1386 1 Belt retaining tool, Ø 70 mm	50	



Engine Timing Tool Set for PSA

- In durable steel storage case
- For the professional engine repair
- Very high degree of accuracy
- For changing the timing belt

Application range: Citroën, Peugeot vehicles with HPi and HDi engines



			€
400.1650	39 pcs Engine Timing Tool Set for PSA	2,17	315,90

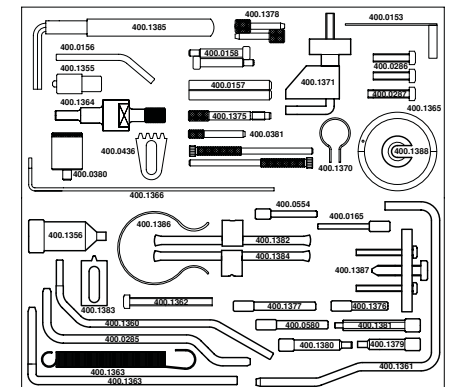
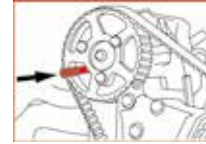
consists of:

X		€
400.0153 Tensioner adjuster, square 8.0 mm	6	
400.0156 Crankshaft timing pin Ø 6,0 mm	23	
400.0157 Crankshaft locking pin Ø 10.0 mm, short (2)	120	
400.0158 Crankshaft locking pin (2) Ø 8,5 mm	30	
400.0165 Camshaft locking pin 5.0 mm	19	
400.0285 Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286 Screw M8 x 35 mm (2)	16	
400.0287 Screw M8 x 40,0 mm	18	
400.0436 Flywheel locking tool, 28 x 45 mm	135	
400.0554 Locking pin Ø 6.0 mm	19	
400.0580 Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.1355 Flywheel locking pin	80	
400.1356 Flywheel locking tool Ø 8 mm x 28 mm	252	
400.1360 Flywheel locking tool Ø 7 mm	82	
400.1361 Flywheel locking tool Ø 8 mm	146	
400.1362 Locking screw M8 x 80.0 mm	31	
400.1363 Flywheel locking pin with spring (2)	126	
400.1375 Injection pump timing pin, M8	32	
400.1376 Camshaft locking pin Ø 8 mm	24	
400.1377 Tensioning locking pin Ø 8 mm	35	
400.1378 Camshaft locking pin (2) Ø 6 mm	21	
400.1379 Camshaft locking pin Ø 6 mm	37	
400.1380 Camshaft locking pin, 71,0 mm	43	
400.1381 Camshaft locking pin (VTC)	50	
400.1382 Tensioner adjuster Ø 9 mm, 155 x 30 mm	115	
400.1383 Flywheel locking tool 50 mm	30	
400.1384 Tensioner adjuster Ø 9 mm, 155 x 20 mm	118	
400.1385 Tensioner adjuster, hex 8.0 mm	177	
400.1386 Belt retaining tool, Ø 70 mm	50	
400.1387 Crankshaft pulley remover (4)	153	

Engine Timing Tool Set for PSA

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: PSA vehicles including 2nd generation with EW 16V and 2.5 / 2.7 / 2.8 diesel engines



			€
400.1350	49 pcs Engine Timing Tool Set for PSA	5,93	469,90

consists of:

X		€
400.0153 1 Tensioner adjuster, square 8.0 mm	6	
400.0156 1 Crankshaft timing pin Ø 6,0 mm	23	
400.0157 1 Crankshaft locking pin Ø 10.0 mm, short (2)	120	
400.0158 1 Crankshaft locking pin (2) Ø 8,5 mm	30	
400.0165 2 Camshaft locking pin 5.0 mm	19	
400.0285 1 Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286 1 Screw M8 x 35 mm (2)	16	
400.0287 1 Screw M8 x 40,0 mm	18	
400.0377 1 Camshaft sprocket locking pin (2)	68	
400.0380 1 Flywheel locking tool Ø 30 mm	222	
400.0381 1 Coolant Pump tensioning locking pin	30	
400.0436 1 Flywheel locking tool, 28 x 45 mm	135	
400.0554 1 Locking pin Ø 6.0 mm	19	
400.0580 1 Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.1355 1 Flywheel locking pin	80	
400.1356 1 Flywheel locking tool Ø 8 mm x 28 mm	252	
400.1360 1 Flywheel locking tool Ø 7 mm	82	

consists of:

X		g
400.1361	1 Flywheel locking tool Ø 8 mm	146
400.1362	1 Locking screw M8 x 80.0 mm	31
400.1363	1 Flywheel locking pin with spring (2)	126
400.1364	1 Flywheel locking pin Ø 9 mm x 15 mm	215
400.1365	1 Tensioner pulley adjusting tool	330
400.1366	1 Tensioner adjuster, square, 4.0 mm	44
400.1370	1 Crankshaft sprocket centraliser	2
400.1371	1 Belt retaining tool Ø 25 mm	99
400.1375	1 Injection pump timing pin, M8	32
400.1376	1 Camshaft locking pin Ø 8 mm	24
400.1377	1 Tensioning locking pin Ø 8 mm	35
400.1378	1 Camshaft locking pin (2) Ø 6 mm	21
400.1379	1 Camshaft locking pin Ø 6 mm	37
400.1380	1 Camshaft locking pin, 71,0 mm	43
400.1381	1 Camshaft locking pin (VTC)	50
400.1382	1 Tensioner adjuster Ø 9 mm, 155 x 30 mm	115
400.1383	1 Flywheel locking tool 50 mm	30
400.1384	1 Tensioner adjuster Ø 9 mm, 155 x 20 mm	118
400.1385	1 Tensioner adjuster, hex 8.0 mm	177
400.1386	1 Belt retaining tool, Ø 70 mm	50
400.1387	1 Crankshaft pulley remover (4)	153
400.1388	1 Tensioner adjuster Ø 30 mm	41

consists of:

X		g
400.0159	1 Crankshaft timing pin	120
400.4536	2 Camshaft alignment plates	400
400.4537	1 Crankshaft pulley holding tool	870
400.4538	1 Fuel pump sprocket locking tool (with mech fuel pump)	170
400.4539	1 Fuel pump sprocket locking tool (without mech fuel pump)	110

RENAULT

Engine Timing Tool Kit for Nissan / Renault

- For the professional engine repair
- For locking the cam shaft
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Renault Megane, Vel Satis, Espace, Scenic, Trafic, Laguna, Koleos, Nissan Qashqai, Opel Vivaro with 2.0 dCi engine (engine code: M9R)

V belt wrench Torx T45 for Renault

- suitable for assembly and disassembly of the fan belt
- necessary to relieve the automatic tension pulley for pulling the fan belt
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: Renault 2.2 L Diesel engines (G8T), e.g. Safrane, Laguna, Espace etc.



		g	€
150.1226	2 pcs	V belt wrench Torx T45 for Renault	460 23,50

consists of:

		g
150.1227	Special wrench with 8.0 mm hexagonal drive, 450 mm	440
150.1228	Bit with 8.0 mm hexagonal drive for Torx screws T45	20

Guide roller wrench for Renault Torx T50

- Suitable for the installation and removal of the guide rollers
- Required when changing the timing belt
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: Renault 1.4 and 1.6 petrol engines (K4J, K4M), e.g. Clio III, Megane, Scenic II



		g	€
150.1302	2 pcs	Guide roller wrench for Renault Torx T50	460 22,50

consists of:

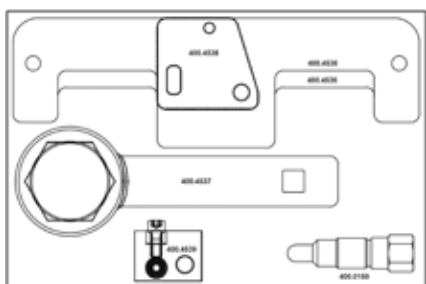
		g
150.1227	Special wrench with 8.0 mm hexagonal drive, 450 mm	440
150.1306	Bit with 8.0 mm hexagonal drive for Torx screws T50	20

PORSCHE

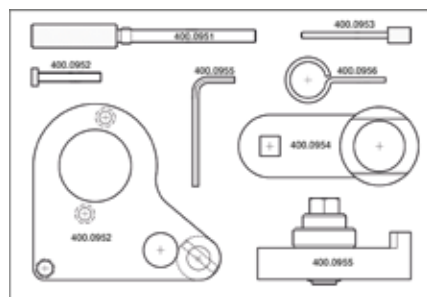
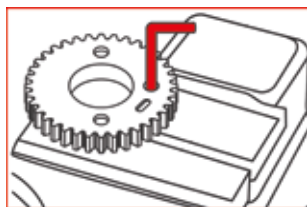
Engine adjustment tool set for VAG

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi A8 (2002 – 2011), S8 (2001 – 2015), Q7 (2003 – 2010), A3 (2005 – 2015), TT (2011 – 2012), Porsche Cayenne (2001 – 2004), Škoda Superb 2 (2010 – 2016), Volkswagen Phaeton (2007 – 2015), Touareg (2003 – 2012), Passat (2005 – 2014), Passat CC (2010 – 2014), Eos (2010 – 2014), Golf 4 (2001 – 2004), Golf 5 (2006 – 2009), Bora (2001 – 2004), Sharan (2000 – 2010) and T4 (2000 – 2003) with 2.8 l, 3.2 l, 3.6 l, 4.0 l, 6.0 l and 6.3 l petrol engines (engine code: BDE / AYL / AMV / CBRA / AXZ / BDB / BMJ / BUB / M55/02 / M55/01 / CDVA / BWS / CHNA / BHK / BHL / CGRA / CMTA / BDN / BDP / BAN / BAP / BRN / BRP / BTT / BJJ / CEJA / CTNA)



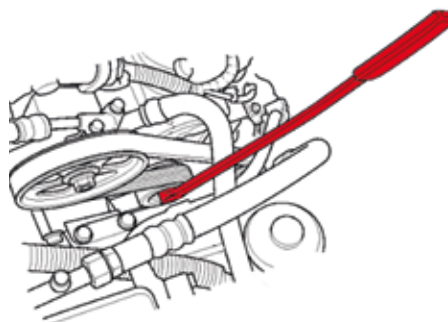
		g	€
400.4535	6 pcs	Engine adjustment tool set for VAG	3,20 201,50



		g	€
400.0950	8 pcs	Engine Timing Tool Kit for Nissan / Renault	2,73 235,50

consists of:

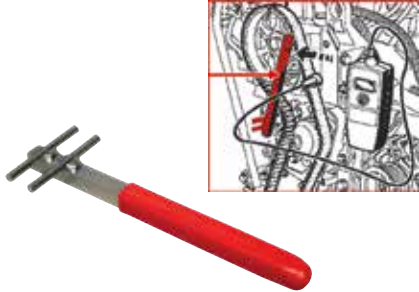
		g
400.0951	Crankshaft locking pin Ø 8 mm, 144 mm	103
400.0952	Camshaft locking tool	398
400.0953	Auxiliary drive belt tensioning locking pin	13
400.0954	Crankshaft pulley holding tool	424
400.0955	Camshaft gear alignment tool (2)	593
400.0956	Timing chain tensioner locking pin Ø 3 mm, 65 mm	6
400.0957	Key hex, 4.0 mm	1
400.0958	Locking screw M6 x 40.0 mm	18



Automatic pulley wrench for Renault

- For the professional engine repair
- Suitable for the assembly and disassembly of the timing belt
- For adjusting the timing belt tension on the automatic pulley
- With plastic-coated handle
- Chrome vanadium
- Very high degree of accuracy

Application range: universal usage on many Renault vehicles

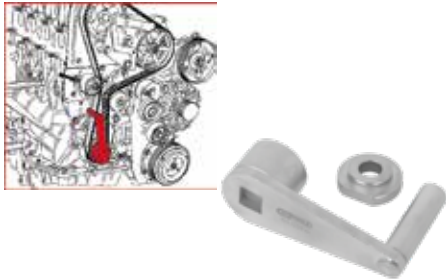


		g	€
400.9021	Automatic pulley wrench for Renault	168	13,90

Timing belt tensioning tool for Renault

- For the professional engine repair
- Suitable for pre-tensioning timing belt tensioner on the automatic pulley
- Chrome vanadium
- Very high degree of accuracy

Application range: Renault Twingo, Clio, Kangoo 1995 - 2006, engine code: D7F



	Suitable for	Length mm	g	€
150.1259	Renault	105,0	340	27,90

Injection pump impeller fixing tool for Renault

- For the professional engine repair
- Ideal for locking the sprocket wheel of the injection pump
- Simple handling
- Very high degree of accuracy
- Special tool steel

Application range: Renault Clio, Mégane, Laguna, Kangoo with 1.9 dTi engines (engine code: F9Q)

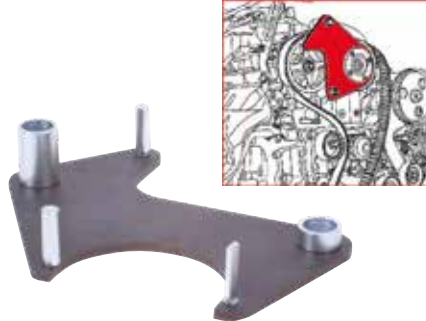


		g	€
400.9016	Injection pump impeller fixing tool for Renault	166	32,50

Camshaft fixing tool for Renault

- For the professional engine repair
- For locking the cam shafts
- Allows for correct engine adjustment
- Very high degree of accuracy

Application: Renault Clio II and III, Kangoo, Laguna, Mégane II, Modus, Scénic, Scénic II 2001 - 2010 with 1.4 and 1.6 16V engines (engine code: K4M)

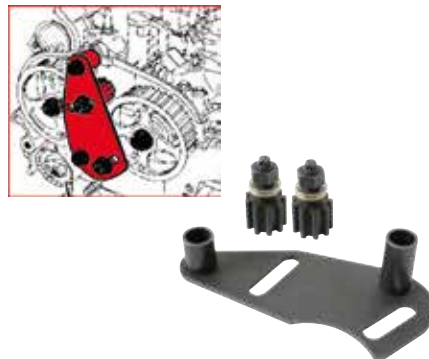


		g	€
400.9022	Camshaft fixing tool for Renault	592	38,50

Camshaft fixing tool for Renault

- For the professional engine repair
- For locking the cam shafts
- Allows for correct engine adjustment
- Very high degree of accuracy

Application: Renault Laguna II, Mégane II, Scénic II 2002 - 2008 with 2.0T engines (engine code: F4R770/771, F4Rt776, F4Rt784, F4Rt786, F4Rt787)

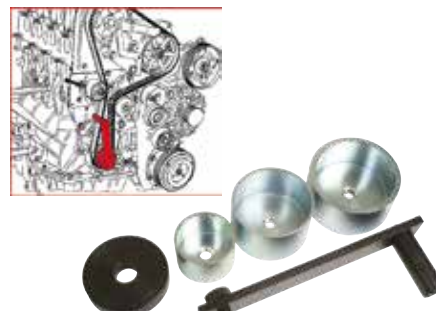


		g	€
400.9025	Camshaft fixing tool for Renault	840	141,50

Timing belt tensioning tool for Renault

- For the professional engine repair
- Contains adapter and tensioning device
- For adjusting the belt tension
- For putting on the crank shaft wheel
- Very high degree of accuracy

Application: Renault Mégane, Laguna, Laguna II and Espace with 1.9 dCi engines

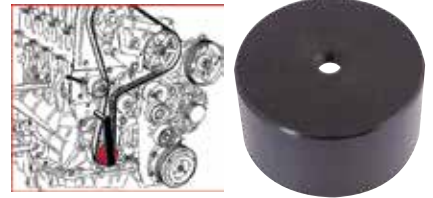


		g	€
400.9023	Timing belt tensioning tool for Renault	669	119,90

Extension sleeve for timing belt tensioning tool for Renault

- For the professional engine repair
- Adapter for expanding the use for the sets 400.9023 and 400.0750
- For adjusting the belt tension
- For putting on the crank shaft wheel
- Very high degree of accuracy

Application: Renault Kangoo, Clio II, Megane II, Scenic II, Laguna, Laguna II, Espace III, Espace iV, Acanthime, Trafic II, Master II (engine code: F9Q, X56, X64, X65, X66-J66, X66-J66/F9Q, X70, X74, X76, X81, X83 and X84)



		g	€
400.9024	Extension sleeve for timing belt tensioning tool for Renault	182	22,50

Engine Timing Tool Set for Renault

- For the professional engine repair
- For locking the cam shaft
- Very high degree of accuracy

Application range: Renault Laguna, Megane (engine code: F5R)



		g	€
400.1925	2 pcs Engine Timing Tool Set for Renault	567	44,90

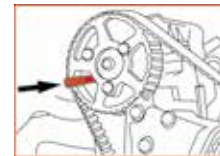
consists of:

		g	€
400.0754	Camshaft locking pin	51	
400.1926	Camshaft timing tool, 190 mm	459	

Engine Timing Tool Set for Fiat / GM / Opel / PSA / Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Fiat, PSA, Renault, Opel vehicles with 2.5 / 2.8D engines



		g	€
400.1775	4 pcs Engine Timing Tool Set for Fiat / GM / Opel / PSA / Renault	143	23,50

consists of:

	X	g	€
400.0165	2 Camshaft locking pin 5.0 mm	19	
400.0754	1 Camshaft locking pin	51	
400.1388	1 Tensioner adjuster Ø 30 mm	41	



Universal fly wheel locking tool set

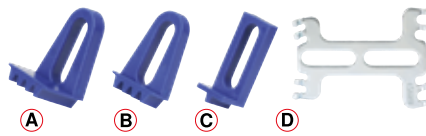
- For the professional engine repair
- For locking the fly wheels
- Secure hold thanks to optimal positioning
- Special plastic
- Very high degree of accuracy

A Fly wheel Locking device for:Citroën: Synergie 2.0/Turbo. ZX 1.9D/TD, Xantia 1.9D/TD, Berlingo 1.9D, Dispatch 1.9D/TD, Synergie 1.9D, Relay 1.9D/TD, **Fiat:** Ulysse, 2.0/Turbo Ducato 2.0, FSO: 1.9D, LDV: 200 1.9D, Pilot 1.9D, **Peugeot:** 205 1.6/1.9, 305 1.6/1.9, 309 1.6/1.9, 405 1.6/1.9, 405 1.8/2.0 (92-), 605 2.0, Boxer 2.0, c205 1.8/1.9D, 305 1.8/1.9D, 306 1.8/1.9D/TD, 309 1.8/1.9D 1.8TD, 405 1.8TD, 405 1.9D, 406 1.9D, Partner 1.9D, Talbot / Horizon / Solara 1.9D, J5/Talbot Express 1.9D, 605D/TD, 806 1.9TD, Expert 1.9D, Boxer 1.9D/TD, **Renault:** R5, 1.6D, R9 1.6D, 411 1.6D Express/Extra 1.6D-F8M diesel engines, Clio, Express/Extra, 1.9D earlier F8Q diesel engines, Espace 2.1D, R21 2.1D, R25 2.1D, Trafic/ Master 2.1D-J8S diesel engines, Clio 1.2/1.4, Express/Extra, R19 1.4, Megane/Scenic 1.4/1.6-E7F/E7J petrol engines, R5 1.7, Clio 1.7/1.8, R19 1.7, R21 1.7 1.7 Megane/Scenic 2.0, Laguna 1.8/2.0, Trafic 1.7-F3N/F3P/F2R petrol engines, Clio, Williams, R19, Megane 2.0 16V Twin-Cam F7P/F7R engines, Laguna/ Safrane 2.0 16V Twin-Cam N7Q/N7U engines

B Fly wheel Locking device for:Renault: Clio, Twingo, Kangoo, Megane/Scenic, 1.2/1.6 D7F + K7M Petrol engine, Megane/Scenic, Kangoo 1.9D FBQ + F9Q Diesel engine (direct injection)

C Fly wheel Locking device for:Citroën: Xsara, Xantia 1.8/2.0XU7 JP/JB petrol engines, Xsara 1.8 16V XU7 JP4 twin cam shaft engines, ZX.Xantia, XM2.0 16V XU10J4 twin cam shaft engines, Xantia 1.9D/TD XUD9BTF diesel engines, Xantia, XM2.1TD XUD 11BTE diesel engines, **Peugeot:** 406, 1.8/2.0 XU7 JP/JB Petrol engine, 406 1.8 16V XU7 JP4 Double cam shaft engines, 306, 405, 605 2.0 16V XU10J4 Double cam shaft engines, 406, 1.9D/TD XUD9BTF Diesel engines, 406, 605 2.1 TD XUD 11BTE Diesel engines

D Fly wheel Locking device forVauxhall/Opel: 1.2, 1.4, 1.6, 1.8, 2.0 OHC Petrol engines, 1.6D & 1.7, OHC Diesel engines, 1.5 & 1.7 OHE Diesel(Isuzu)-Engines



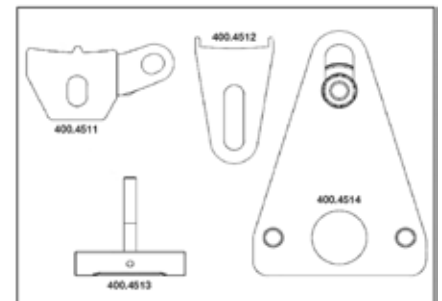
Part No.	Quantity	Description	Unit Price (€)	Total Price (€)
150.3025	4 pcs	Universal fly wheel locking tool set	30	10,90



Flywheel locking tool set for Renault / Nissan

- For the professional engine repair
- For locking the fly wheels
- Secure hold thanks to optimal positioning
- Very high degree of accuracy
- In durable plastic storage case

Application range: Renault Espace V (2015 - 2016), Clio (2006 - 2016), Fluence (2009 - 2015), Laguna (2005 - 2015), Latitude (2010 - 2016), Megane (2006 -2015), Scenic/ Grand Scenic (2006 - 2015), Espace/Grand Espace IV (2002 -2015), Koleos (2008 - 2016), Trafic II (2007 - 2015), Vel Satis (2000 - 2010), Master III (2010 - 2016), **Nissan** Primastar (2006 - 2015), Qashqai/Qashqai+2 (2007 -2014), X-Trail (2007 - 2014), NP300 Navara (2015 - 2016) and NV400 (2011 - 2016) with 1.4 l, 1.6 l, 2.0 l, 2.3 l, 2.5 l and 3.5 l petrol engines (engine code: H4JT 700 / M5M 400 / M5M / M5M 450 / M4R 700 / M4R 701 / M4R 714 / M4R 750 / M4R 751 / M4R 752 / M4R 753 / M4R 737 / M4R 704 / M4R 726 / M4R 730 / M4R 735 / M4R 746 / M4R / M4R 711 / M4R 713 / M9R 740 / M9R 760 / M9R 761 / M9R 812 / M9R 814 / M9R 815 / M9R 830 / M9R 832 / M9R 833 / M9R 834 / M9R 835 / M9R 836 / M9R 838 / M9R 855 / M9R 856 / M9R 865 / M9R 866 / M9R 742 / M9R 800 / M9R 805 / M9R 700 / M9R 721 / M9R 722 / M9R 724 / M9R 613 / M9R 615 / M9R 610 / M9R 630 / M9R 780 / M9R 782 / M9R 750 / M9R 762 / M9R 763 / M9R 858 / M9R 859 / M9R 8 / M9R 744 / M9R 746 / M9R 748 / M9R 754 / M9R 802 / M9R 803 / M9R 806 / M9R 808 / M9R 809 / M9R 820 / M9R 828 / M9R 845 / M9R 849 / M9R 854 / M9R 857 / M9R 816 / M9R 756 / M9R 804 / M9R 811 / M9R 817 / M9R 824 / M9R 839 / M9R 844 / M9R 846 / M9R 692 / M9R 784 / M9R 786 / M9R 788 / M9R M9T 670 / M9T 672 / M9T 676 / M9T 678 / M9T 680 / M9T 686 / M9T 690 / M9T 692 / M9T 694 / M9T 696 / M9T 698 / M9T 700 / M9T 702 / M9T 870 / M9T 880 / M9T 890 / M9T 896 / M9T 898 / M9T C6 / YS23DDT / YS23DDTT / M9T 706 / M9T 708 / 2TR 700 / 2TR 700 / 2TR 702 / 2TR 703 / 2TR 704 / 2TR 705 / 2ZV 604 / V4U 604 / VQ25 V4Y 711 / V4Y 715 / V4Y 701 / V4Y 713)



Part No.	Quantity	Description	Unit Price (€)	Total Price (€)
400.4510	4 pcs	Flywheel locking tool set for Renault / Nissan	1,27	154,50

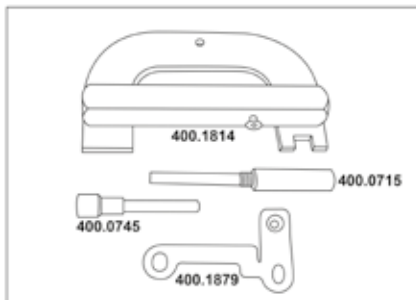
consists of:

Part No.	Description	Unit Price (€)
400.4511	Flywheel locking tool, 80 mm	250
400.4512	Flywheel locking tool, 90 mm	180
400.4513	Sump separator tool	180
400.4514	Crankshaft pulley holding tool	840

Engine Timing Tool Set for Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Renault vehicles (engine code: K4J / K4M / F4P / F4R)



			€
400.1875	4 pcs Engine Timing Tool Set for Renault	1,20	80,50

consists of:

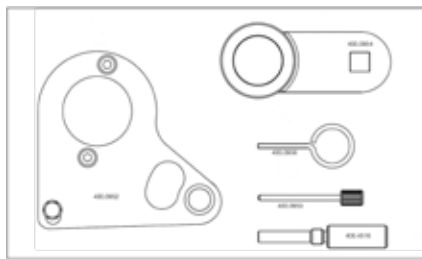
400.0751	Crankshaft locking pin Ø 7,5 mm	102	
400.0754	Camshaft locking pin	51	
400.1814	Camshaft timing tool 165 mm	897	
400.1879	Mounting bracket	80	



Engine adjustment Tool Set for Mercedes / Opel / Renault / Nissan

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Mercedes C-Klasse (2014 – 2016), Vito (2014 – 2016), Opel Vivaro B (2013 – 2016), Renault Scenic / Grand Scenic 3 (2011 – 2016), Megane 3 (2012 – 2015), Trafic 3 (2014 – 2016), Espace 5 (2015 – 2016), Nissan Qashqai (2011 – 2016), X-Trail (2014 – 2016) with 1.6 I C180 BlueTEC, C200 BlueTEC, CDTi, CDTi BiTurbo, XMOD dCi, dCi Diesel engines (engine code: 626.951 (R9M) / 622.951 / LWX/ R9M 408 / LWZ/R9M 408 / LWU/R9M 450 / LWY/R9M 450 / R9M / R9M 410 / R9M 402 / R9M 404 / R9M 408 / R9M 450 / R9M 409 / R9M 452 / R9M 413)



			€
400.4515	6 pcs Engine adjustment Tool Set for Mercedes / Opel / Renault / Nissan	2,12	213,90

consists of:

400.0952	Camshaft locking tool	398	
400.0954	Camshaft pulley holding tool	424	
400.0956	Timing chain tensioner locking pin Ø 3 mm, 65 mm	6	
400.0953	Auxiliary drive belt tensioning locking pin	13	
400.4516	Locking pin for crankshaft	70	

Engine Timing Tool Set for Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Renault Laguna, Safrane (engine code: N7U / N7Q)



			€
400.1850	5 pcs Engine Timing Tool Set for Renault	1,41	129,50

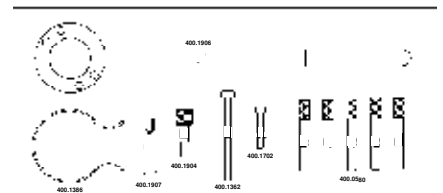
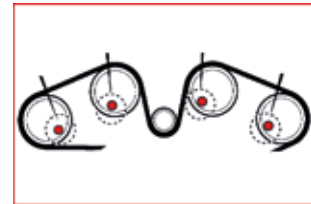
consists of:

400.1808	Flywheel locking pin 112 mm	225	
400.1811	Tensioner adjuster 245 mm	239	
400.1812	Camshaft locking tool (3)	498	

Engine adjustment tool set for PSA / Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Citroën XM, Peugeot 605, Renault Safrane, Espace (engine code: L7X 700 / 701 / 713 / 727 / 731 / XFZ / ES9J4)



			€
400.1900	11 pcs Engine adjustment tool set for PSA / Renault	2,31	142,50

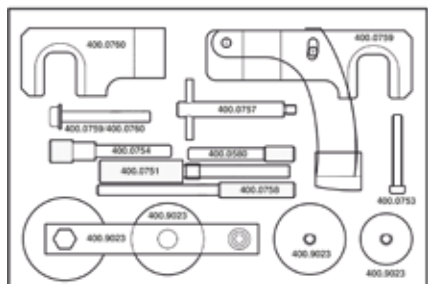
consists of:

	X			
400.0580	5	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.1362	1	Locking screw M8 x 80,0 mm	31	
400.1386	1	Belt retaining tool, Ø 70 mm	50	
400.1904	1	Gauge pin	14	
400.1906	1	Camshaft locking tool	896	
400.1907	1	Tensioning fork	35	
400.0286	1	Screw M8 x 35 mm (2)	16	

Engine adjustment tool kit for Nissan / Opel / Renault

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Renault Clio 1.5 / 1.9 / 2.3 / 2.5 dCi, Laguna II, Espace, Trafic, Master with 2.2 DTI (2000-2005) G9 engines, Opel Movano 2.2 Tdi, Nissan Kubistar, Primastar, Interstar and Micra with 1.5 / 2.2 / 2.5 dCi engines



				€
400.0750	15 pcs	Engine adjustment tool kit for Nissan / Opel / Renault	1,69	254,90

consists of:

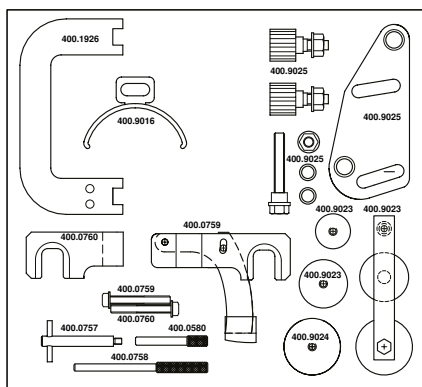
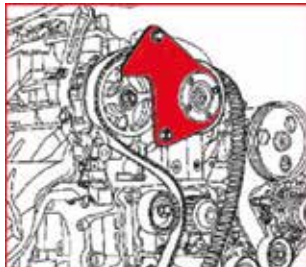
400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.0751	Crankshaft locking pin Ø 7,5 mm	102	
400.0752	Washers M8	1	
400.0753	Locking screw M6 x 30,0 mm	10	
400.0754	Camshaft locking pin	51	
400.0757	Hi-Pressure pump locking pin	43	
400.0758	Flywheel locking pin Ø 7 mm	55	
400.0759	Camshaft setting tool (exhaust) (2)	20	
400.0760	Camshaft setting tool (inlet)	223	
400.9023	Cam belt tensioning tool for Renault	669	



Engine Timing Tool Set for Renault

- For the professional engine repair
- Expansion set for use in connection with 400.1800
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Renault vehicles with dCi engines



				€
400.1450	15 pcs	Engine Timing Tool Set for Renault	5,82	463,50

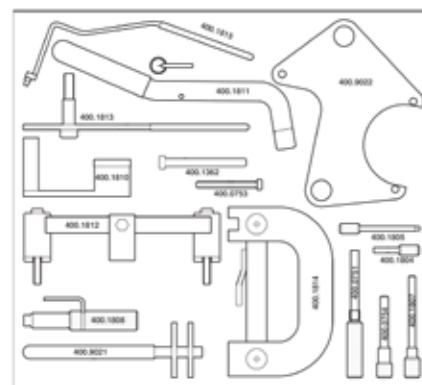
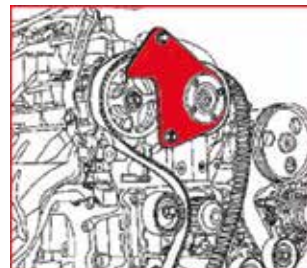
consists of:

400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.9025	Camshaft wheel fixing tool	840	
400.9024	Tensioning device additional adapter	182	
400.9023	Cam belt tensioning tool for Renault	669	
400.9016	Injection pump wheel fixing tool	166	
400.0757	Hi-Pressure pump locking pin	43	
400.0758	Flywheel locking pin Ø 7 mm	55	
400.0759	Camshaft setting tool (exhaust) (2)	20	
400.0760	Camshaft setting tool (inlet)	223	
400.1926	Camshaft timing tool, 190 mm	459	

Engine Timing Tool Set for Renault

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Renault with 1.2 / 1.4 / 1.6 / 1.7 / 1.8 / 2.0 16V / 2.2 8V / 2.5 20V petrol engines and 1.2 / 1.4 / 1.7 / 1.4 / 1.6 / 1.8 / 2.0 16V / 2.2 8V / 2.5 20V diesel engines



				€
400.1800	18 pcs	Engine Timing Tool Set for Renault	4,01	433,50

consists of:

400.0751	Crankshaft locking pin Ø 7,5 mm	102	
400.0753	Locking screw M6 x 30,0 mm	10	
400.0754	Camshaft locking pin	51	
400.1362	Locking screw M8 x 80,0 mm	31	
400.1804	Flywheel locking pin 45 mm, Ø 5 mm	16	
400.1805	Injection pump locking pin	20	
400.1807	Flywheel locking pin 95 mm, Ø 7 mm	57	
400.1808	Flywheel locking pin 112 mm	225	
400.1810	Tensioner adjuster	50	
400.1811	Tensioner adjuster 245 mm	239	
400.1812	Camshaft locking tool (3)	498	
400.1813	Tensioner adjuster	188	
400.1814	Camshaft timing tool 165 mm	897	
400.1815	Tensioner adjuster 217 mm	138	
400.9021	Tensioner adjuster for Renault	168	
400.9022	Camshaft locking tool for Renault	592	

Diesel pump adjustment tool

- Secure stand for the pump wheel when assembling and disassembling the high pressure pump
- exact positioning of the pump wheel
- no need to disassemble the tooth belt
- saves work of making further adjustments to the pump
- Saves a lot of time
- Special tool steel

Application range: Diesel engines F9Q for **Opel, Renault,** and **Nissan** vehicles



			€
400.9051	Diesel pump adjustment tool	420	32,50

ROVER

Camshaft Sprocket Locking Tool for Rover

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Aluminium
- Very high degree of accuracy

Application range: **Rover** 214, 216, 400, 25, Streetwise, 75 and MGF Trophy with 1.6 and 1.8 K16 engines with and without PG1 transmission housing



	Length mm	Width mm		€
400.0151	60,0	32,0	125	9,90

Engine Timing Tool Kit for Land Rover / Rover

- For the professional engine repair
- For locking the crank shaft or fly disc
- For changing the timing belt
- Very high degree of accuracy

Application range: **Land Rover** Freelander 1.8, **Rover** Metro, 214, 216, 218 16V, 414, 416 16V, 216, 416 GTI, **Rover** Diesel 218, 418



			€
400.2600	3 pcs Engine Timing Tool Kit for Land Rover / Rover	1,50	150,90

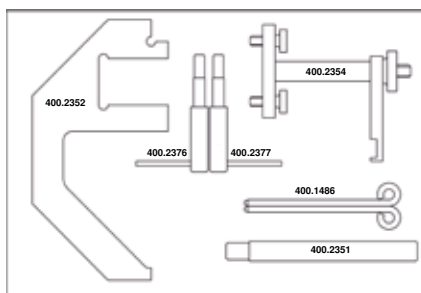
consists of:

400.2601	Flywheel locking tool 133 x 43,5 mm	470	
400.2602	Flywheel locking tool 140 mm	480	
400.2603	Flywheel locking tool 130 mm	460	

Engine Timing Tool Kit for BMW / Land Rover / Rover

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt or the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: **BMW** 1, 3, 5, X3, **Land Rover** Freelander, **Rover** 75 (engine code: M47)



			€
400.2350	7 pcs Engine Timing Tool Kit for BMW / Land Rover / Rover	1,03	134,90

consists of:

400.2351	Crankshaft TDC locking pin 130 mm	108	
400.2352	Camshaft locking tool 167 x 90 mm	461	
400.2354	Camshaft locking holding tool	230	
400.1486	Tensioner locking pin (2)	29	
400.2376	Crankshaft timing tool 73 mm	52	
400.2377	Crankshaft timing tool 78,5 mm	55	



SAAB

Flywheel locking tool for GM / Opel / Saab

- For locking the fly wheels
- Secure hold thanks to optimal positioning
- Special tool steel

Application range: Opel and Saab vehicles (1996 - 2005, engine code: Z18XE)

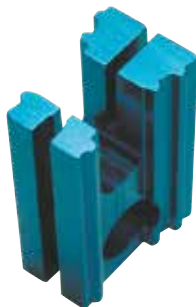


			€
400.9046	Flywheel locking tool for GM / Opel / Saab	80	14,90

Camshaft locking device for GM / Isuzu / Opel / Saab

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Aluminium
- Very high degree of accuracy

Application range: Opel Tigra 2004 - 2008 (engine code: Z18XE) with 1.8 engines, Frontera, Frontera-B and Sintra-A, Omega-B 1995 - 2004 (engine code: X22SE, X33XE, YEESE, Y22XE Z22XE) with 2.2 16V engines. Saab 9-3 1996 - 2005 with 1.8 engines (engine code: Z18XE) and similar Isuzu and Saab engines



			€
400.0162	Camshaft locking device for GM / Isuzu / Opel / Saab	186	21,50



Camshaft locking tool for Subaru

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Very high degree of accuracy
- Special tool steel

Application range: Subaru Impreza (STI) 2.0 / 2.5 (>2002), Forester XT (2004-2011), Outback (2005-2010), Legacy GT (2005-2010), Baja (2004-2006), Phase 1 (1996-1998), Saab 9-2 X Aero (2005-2006)



			€
400.0055	2 pcs Camshaft locking tool for Subaru	554	78,50

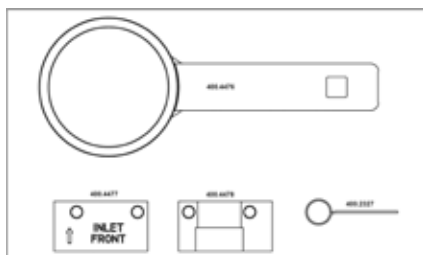
consists of:

			€
400.0057	Camshaft locking tool for Subaru with external hexagon	250	
400.0058	Camshaft locking tool for Subaru with internal hexagon	304	

Engine adjustment tool set for Opel / Saab

- For the professional engine repair
- For changing the timing chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Signum Turbo (2002 - 2008), Vectra C Turbo (2002 - 2008), Saab 9-3 1.8 Turbo (2002 - 2011), 9-3 1.8 Turbo BioPower (2002 - 2011), 9-3 2.0 Turbo (2002 - 2012), 9-3 2.0 Turbo BioPower (2010 - 2012) and 9-3XT (2009 - 2011) with petrol engines (engine code: Z20NET / B207E / B207L / B207)



			€
400.4475	4 pcs Engine adjustment tool set for Opel / Saab	0,78	154,50

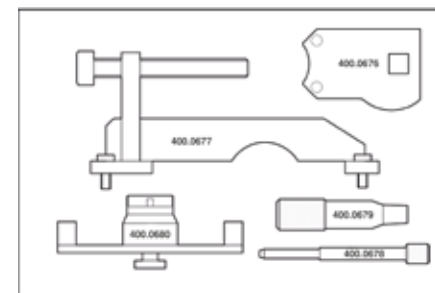
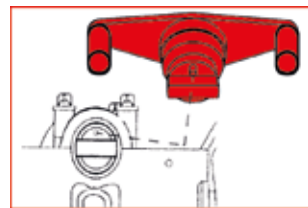
consists of:

			€
400.2327	Timing chain tensioner locking pin	1	
400.4476	Crankshaft holding tool	550	
400.4477	Camshaft alignment block - inlet	90	
400.4478	Camshaft alignment block - exhaust	90	

Engine Timing Tool Set for GM / Opel / Saab

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Astra-G (1998-2006), Vectra-B, Vectra-C (1997 - 2005), Signum (2003-2005), Omega-B (1998-2003), Zafira-A (1999-2005), Sintra (1998-1999), Frontera-B (1998-2004) with 2.0 / 2.2 DTi engines (engine code: Z20DTH / Z20DTL / Z22DTH / Z22DTR) and Saab 9-3 (1998-2004) with 2.2 TID, 9-5 (2002-2007) with 2.2 TID engines (engine code: D223L)



			€
400.0675	5 pcs Engine Timing Tool Set for GM / Opel / Saab	1,36	149,90

consists of:

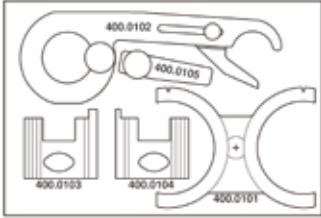
			€
400.0676	Camshaft turning tool	7	
400.0677	Bracket for timing adjustment wrench	111	
400.0678	Injection pump locking pin, Ø 6 mm, 110 mm	41	
400.0679	Flywheel TDC locking pin Ø 12 mm, 86 mm	160	
400.0680	Camshaft locking tool 120 mm	322	



Engine Timing Tool Set for GM / Opel / Saab

- For the professional engine repair
- For engines with bevel on the automatic pulley
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Vectra-B, Omega-B, Sintra, Calibra with 2.5 / 2.6 / 3.0 V6 engines (1998-2003) (engine code: X25XE, X30XE, Y26SE, Y32SE), Saab 9-5 with 3.0 V6 engines (engine code: B308E)



		kg	€
400.0100	5 pcs Engine Timing Tool Set for GM / Opel / Saab	2,44	200,50

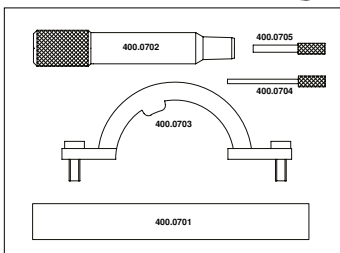
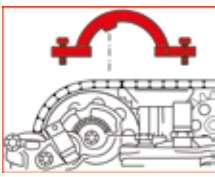
consists of:

		kg	€
400.0101	Crankshaft locking tool 137 mm	812	
400.0102	Camshaft locking tool Ø 29-50 mm	585	
400.0103	Opel Camshaft locking tool (right)	119	
400.0104	Camshaft locking tool left	120	
400.0105	Belt holding wedge	100	

Engine Timing Tool Set for GM / Isuzu / Opel / Saab

- For the professional engine repair
- Especially for chain-driven vehicles
- For locking dual cam shafts
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Astra-G, Astra-H, Combo-C, Corsa-B, Corsa-C, Corsa-D, Meriva-A, Tigra-B (1993-2010) with 1.0 12V / 1.2 16V engines (engine code: X10XE / Z10XE / Z10 XEP / X12XE / Z12XE / Z12 XEP / Z14XEL / Z14XEA) and similar Isuzu- and Saab-engines



		kg	€
400.0700	5 pcs Engine Timing Tool Set for GM / Isuzu / Opel / Saab	1060	79,50

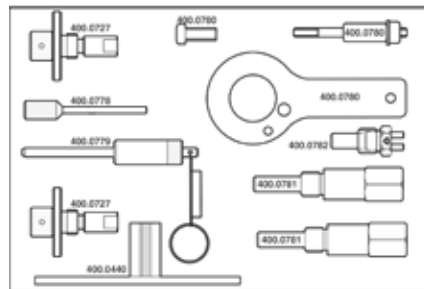
consists of:

		kg	€
400.0701	Camshaft timing tool 155 mm	120	
400.0702	Flywheel TDC locking pin Ø 12 mm, 113 mm	205	
400.0703	Camshaft position (CMP) sensor disc setting tool	110	
400.0704	Tensioner retaining pin, Ø2,5mm	5	
400.0705	Tensioner retaining pin, Ø4,0mm	5	

Engine Timing Tool Set for GM / Opel / Saab

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt or the chain
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Corsa-C, Combo-C (2003-2007), Tigra-B, Meriva, Astra-H (2004-2007), Corsa-D (2006-2007) with 1.3 CDTi engines (engine code: Z13DT / Z13DTH / Z13DTJ), Opel Astra-H, Vectra-C, Signum, Zafira-B with 1.9 CDTi engines (engine code: Z19DT / Z19DTL), Saab 9-3, 905 with 1.9 CDTi engines (engine code: Z19DT / Z19DTH)



		kg	€
400.0775	11 pcs Engine Timing Tool Set for GM / Opel / Saab	1,29	201,50

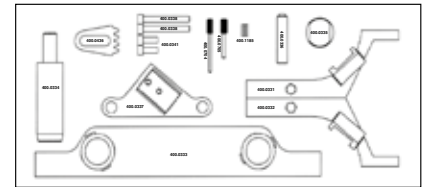
consists of:

		kg	€
400.0440	Flywheel locking tool 135 x 40 mm	136	
400.0727	Camshaft locking tool (2) Ø 45 mm	130	
400.0778	Locking pin, 80 mm	20	
400.0779	Crankshaft locking tool Ø 6 mm	80	
400.0780	Crankshaft pulley setting tool (3)	260	
400.0781	Camshaft timing pin set (2)	180	
400.0782	Camshaft alignment screw	40	

Engine Timing Tool Set for Opel / Saab / Chevrolet

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

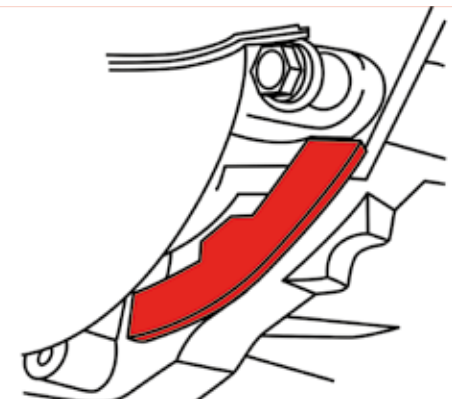
Application range: Opel Astra, Insignia, Antara with 2.0 I and 2.4 I engines (engine code: LHU/A20NFT/LTG/A20NHT/162(220)5300); Saab 9-5 with 2.0 I engines (engine code: LHU/A20NFT/LE5/LE9) and Chevrolet Captiva, HHR, Malibu with 2.0 I engines (engine code: LHU/A20NFT)



		kg	€
400.0330	18 pcs Engine Timing Tool Set for Opel / Saab / Chevrolet	3,68	380,90

consists of:

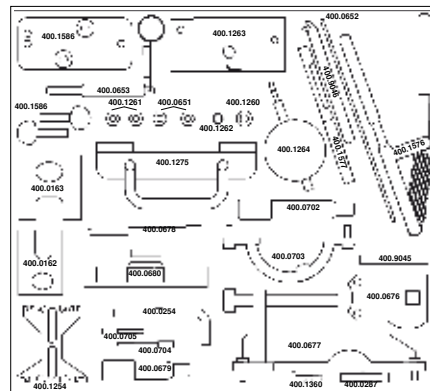
		kg	€
400.0331	1 Cam shaft locking device left	360	
400.0332	1 Cam shaft locking device right	360	
400.0333	1 Cam shaft adjustment holding tool, 310 mm	459	
400.0334	1 Crankshaft locking pin Ø 15 mm	55	
400.0335	1 Piston holder tension pin, 11 mm	162	
400.0336	1 Piston holder remover, 16 mm	36	
400.0337	1 Fly wheel holding tool bottom	502	
400.0338	2 Screw M6x50, 55,0 mm	13	
400.0341	2 Screw M6x16, 22,0 mm	10	
400.0436	1 Flywheel locking tool, 28 x 45 mm	135	
400.0704	1 Tensioner retaining pin, Ø2,5mm	5	
400.0705	1 Tensioner retaining pin, Ø4,0mm	5	
400.1185	4 Washer M6	1	



Engine Timing Tool Kit for Isuzu / GM / Opel / Saab

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Opel Agila, Ascona, Astra-F, Astra-G, Corsa-B, Corsa-C, Frontera, Kadett-E, Midi, Monterey, Omega-B, Sintra, Vectra-A, Vectra-B, Vectra-C, Zafira and similar **Isuzu** and **Saab** vehicles



			€
400.1575	32 pcs Engine Timing Tool Kit for Isuzu / GM / Opel / Saab	3,91	491,50

consists of:

400.0162	1	Camshaft locking tool for Opel / Saab, blue
400.0163	1	Camshaft locking tool for GM / Opel, gold
400.0254	1	Locking pin Ø 9.5 mm
400.0287	1	Screw M8 x 40,0 mm
400.0652	1	Flywheel TDC indicator
400.0653	1	Flywheel locking pin with spring on ring, 103 mm
400.0676	1	Camshaft turning tool
400.0677	1	Bracket for timing adjustment wrench
400.0678	1	Injection pump locking pin, Ø 6 mm, 110 mm
400.0679	1	Flywheel TDC locking pin Ø 12 mm, 86 mm
400.0680	1	Camshaft locking tool 120 mm
400.0702	1	Flywheel TDC locking pin Ø 12 mm, 113 mm
400.0703	1	Camshaft position (CMP) sensor disc setting tool
400.0704	1	Tensioner retaining pin, Ø2,5mm
400.0705	1	Tensioner retaining pin, Ø4,0mm
400.1254	1	Flywheel locking tool, 70 x 54 mm
400.1260	1	Screw for 400.1263
400.1261	4	Locking screw M6 x 10,0 mm
400.1262	1	Special tip
400.1263	1	Mounting bracket assy
400.1275	1	Camshaft setting strap (TDC)
400.1360	1	Flywheel locking tool Ø 7 mm

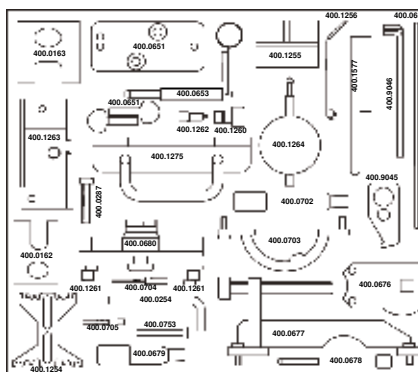
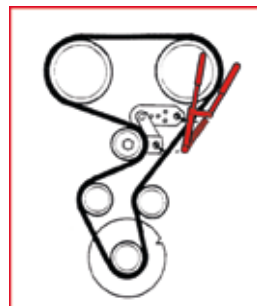
consists of:

400.1576	1	Belt tensioner adjuster
400.1577	1	Camshaft setting strap 140 mm
400.9045	1	Flywheel locking tool, 62 x 30 mm
400.9046	1	Flywheel locking tool, 130 mm
400.1264	1	Dial gauge Ø 51 (10 x 0.01 mm) 103 mm
400.0651	1	Camshaft locking tool (3), 110 x 50 mm

Engine Timing Tool Set for GM / Isuzu / Opel / Saab

- For the professional engine repair
- For locking the cam shaft
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

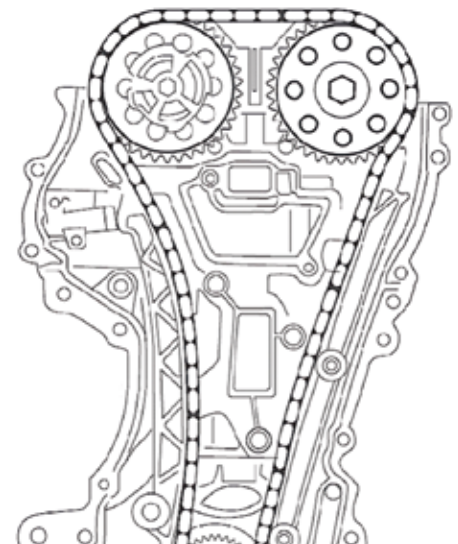
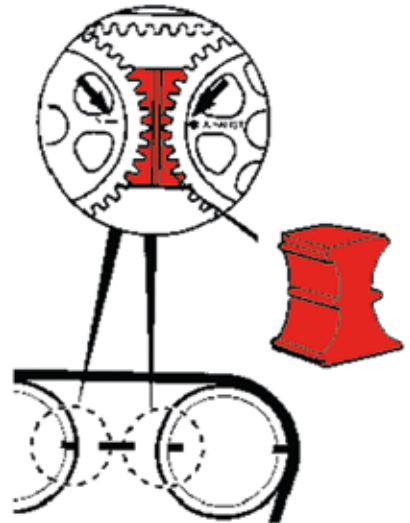
Application range: Opel Agila, Ascona, Astra-F, Astra-G, Astramax, Belmont, Cavalier, Corsa-B, Corsa-C, Frontera, Kadett-E, Midi, Monterey, Omega-B, Sintra, Vectra-A, Vectra-B, Vectra-C, Zafira with petrol and diesel engines including Eco-Tec engines and similar **Isuzu** and **Saab** engines



			€
400.1250	36 pcs Engine Timing Tool Set for GM / Isuzu / Opel / Saab	6,18	472,90

consists of:

	X		
400.0162	1	1	Camshaft locking tool for Opel / Saab, blue
400.0163	1	1	Camshaft locking tool for GM / Opel, gold
400.0254	1	1	Locking pin Ø 9.5 mm
400.0287	1	1	Screw M8 x 40,0 mm
400.0651	1	1	Camshaft locking tool (3), 110 x 50 mm
400.0652	1	1	Flywheel TDC indicator
400.0653	1	1	Flywheel locking pin with spring on ring, 103 mm
400.0676	1	1	Camshaft turning tool
400.0677	1	1	Bracket for timing adjustment wrench
400.0678	1	1	Injection pump locking pin, Ø 6 mm, 110 mm
400.0679	1	1	Flywheel TDC locking pin Ø 12 mm, 86 mm
400.0680	1	1	Camshaft locking tool 120 mm
400.0702	1	1	Flywheel TDC locking pin Ø 12 mm, 113 mm
400.0703	1	1	Camshaft position (CMP) sensor disc setting tool
400.0704	1	1	Tensioner retaining pin, Ø2,5mm
400.0705	1	1	Tensioner retaining pin, Ø4,0mm
400.0753	1	1	Locking screw M6 x 30,0 mm
400.1254	1	1	Flywheel locking tool, 70 x 54 mm
400.1255	1	1	Camshaft locking tool for Opel (2), red
400.1256	1	1	Tensioner locking pin for 400.1250
400.1260	1	1	Screw for 400.1263
400.1261	4	1	Locking screw M6 x 10,0 mm
400.1262	1	1	Special tip
400.1263	1	1	Mounting bracket assy
400.1264	1	1	Dial gauge Ø 51 (10 x 0.01 mm) 103 mm
400.1275	1	1	Camshaft setting strap (TDC)
400.9045	1	1	Flywheel locking tool, 62 x 30 mm
400.9046	1	1	Flywheel locking tool, 130 mm
400.1577	1	1	Camshaft setting strap 140 mm



SUBARU

Camshafts pulley retainer for Subaru

- 12 point
- ideally suited for holding the pulleys in place when loosening the fastening screw
- Maximum holding force
- Very high degree of accuracy

Application range: Subaru Impreza, Legacy and Forester



	mm	Length mm	g	€
400.0021	69	400,0	730	52,50

Camshafts pulley retainer for Subaru

- ideally suited for holding the pulleys in place when loosening the fastening screw
- With four pins
- Maximum holding force
- Very high degree of accuracy

Application range: Subaru Impreza and Forester (engine code: EJ20J/EJ202)



	Length mm	g	€
400.0022	770,0	1737	111,50

Crankshaft pulley retainer for Subaru

- ideally suited for holding the pulleys in place when loosening the fastening screw
- With 4 support rollers
- Maximum holding force
- Very high degree of accuracy

Application range: Subaru Impreza with 1.8 l petrol engine



	Length mm	g	€
400.0023	480,0	0,93	71,90

Camshaft locking tool for Subaru

- For the professional engine repair
- Clamping device for a secure hold to change the timing belt
- Very high degree of accuracy
- Special tool steel

Application range: Subaru Impreza (STI) 2.0 / 2.5 (>2002), Forester XT (2004-2011), Outback (2005-2010), Legacy GT (2005-2010), Baja (2004-2006), Phase 1 (1996-1998), Saab 9-2 X Aero (2005-2006)



		g	€
400.0055	2 pcs Camshaft locking tool for Subaru	554	78,50

consists of:

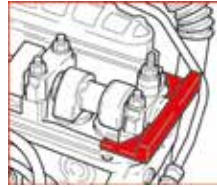
		g	€
400.0057	Camshaft locking tool for Subaru with external hexagon	250	
400.0058	Camshaft locking tool for Subaru with internal hexagon	304	

VOLVO

Engine Timing Tool Set for VAG / Volvo

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Audi, Seat, Volkswagen, Volvo vehicles



		g	€
400.1725	2 pcs Engine Timing Tool Set for VAG / Volvo	251	12,90

consists of:

		g	€
400.9015	Injection pump locking pin Ø 15.4 mm	126	
400.9017	Camshaft setting strap for VAG	120	

Vibration damper wrench for Volvo and Ford

- For clamping the crank shaft when loosening and tightening the crankshaft central screw
- Prevents slipping whilst holding
- The handle can be lengthened via the 1/2" internal square
- Matt finish
- Chrome vanadium

Application range: Volvo C30, C70, S40, S60, S70, S80, V40, V50, V60, V70, XC60, XC70, XC90, XC90 (1.6 / 1.8 / 1.9 / 2.0 / 2.3 / 2.4 / 2.5 / 2.8 / 2.9 with 4- and 5-cylinder petrol and diesel engines as well as 2.0 and 2.4 with 5-cylinder diesel engines), Ford Focus, Galaxy, Kuga, Mondeo, S-Max with 2.5 Duratec (V15) petrol engine (>2004)



	Total length mm	g	€
400.9070	255,0	550	49,50

Engine Timing Tool Set for Hyundai / Mitsubishi / Volvo

- For the professional engine repair
- For actuating belt tensioners
- Very high degree of accuracy

Application range: universal usage on many Hyundai, Mitsubishi, Volvo vehicles



		g	€
400.0075	2 pcs Engine Timing Tool Set for Hyundai / Mitsubishi / Volvo	131	33,50

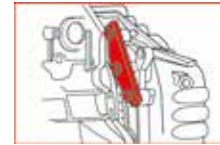
consists of:

		g	€
400.0076	Tensioning locking pin, 250 mm	630	
400.0077	Belt tensioner wrench	210	

Engine Timing Tool Set for Ford / Land Rover / PSA / Volvo

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford, Land Rover, PSA, Volvo vehicles with 2,0 / 2,2 DOHC Common-Rail Diesel engines



		g	€
400.1625	6 pcs Engine Timing Tool Set for Ford / Land Rover / PSA / Volvo	473	67,50

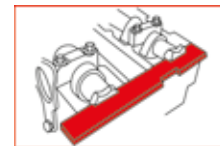
consists of:

		g	€
400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30	
400.0609	Flywheel locking tool 133 x 40 mm	308	
400.0903	Crankshaft locking pin	85	

Engine Timing Tool Set for Ford / Volvo

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Very high degree of accuracy

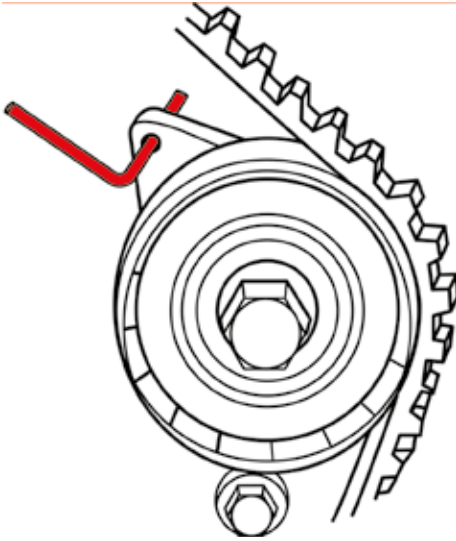
Application range: Ford, Volvo with petrol engines



		g	€
400.1525	4 pcs Engine Timing Tool Set for Ford / Volvo	291	20,50

consists of:

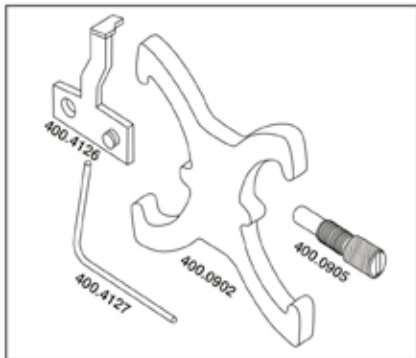
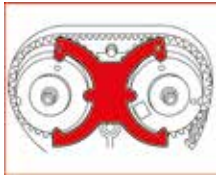
		g	€
400.0155	Crankshaft locking pin Ø 5 mm	25	
400.0603	Crankshaft timing pin, 83 mm	51	
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33	
400.1101	Camshaft setting strap, 200 mm	140	



Engine Timing Tool Set for Ford / Volvo

- For the professional engine repair
- For locking the crank shaft and cam shaft
- For changing the timing belt
- Very high degree of accuracy

Application range: Ford B-Max (2012), C-Max (2010), Focus (2011), Galaxy (2010), Grand-C-Max (2010-2011), Mondeo (2010), S-Max (2010), Volvo S60 (2001), S80 (2010-2011), V60 (2011), V70 (2010-2011) with 1.6 Ti-VCT, 2.0 TDCI engines (engine code: IQJA / JQDA / JQDB / JQDA / JTDB / JQDA / JQDB / JTWA / JTWB / JQDA / JTDA / JTDB / JTBA / JTBB / B4164T3 / B4164T / B41464T2)



			kg	€
400.4125	4 pcs	Engine Timing Tool Set for Ford / Volvo	498	40,90

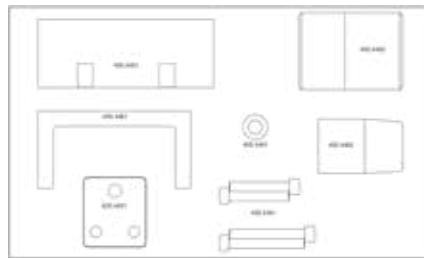
consists of:

			kg	€
400.0902		Camshaft locking tool	384	
400.0905		Crankshaft locking pin, Ø 8 mm, 58 mm	33	
400.4126		Crank shaft discs adjustment tool	50	
400.4127		Pin for chain tensioner	10	

Engine Timing Tool Set for Ford / Volvo

- For the professional engine repair
- for holding the camshaft
- Very high degree of accuracy
- In durable steel storage case

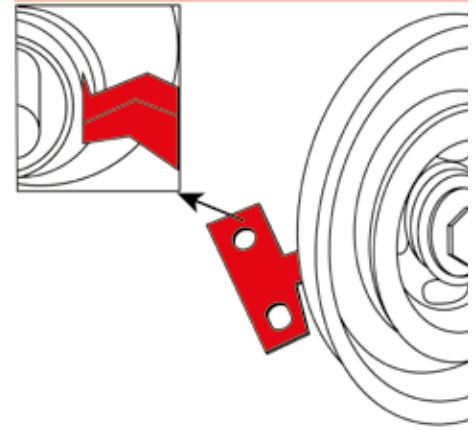
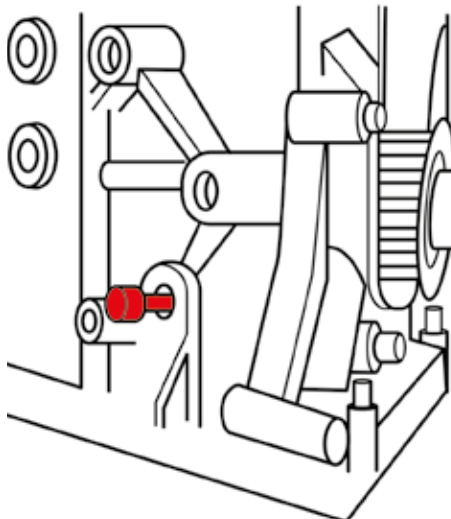
Application range: Ford Focus (2005 – 2011), Galaxy (2006 – 2010), Kuga (2009 – 2013), Mondeo (2007 – 2010), S-Max (2006 – 2010), Volvo C30 (2006 – 2013), C70 (2006 – 2013), S40 (2003 – 2012), S60 (2003 – 2016), S80 (2003 – 2012), V40 (2012 – 2015), V50 (2004 – 2012), V70 (2002 – 2012), XC60 (2014 – 2016), XC70 (2002 – 2007) and XC90 (2002 – 2014) with 2.5 l petrol engines (engine code: HYDA / HYDB / HUBA / B5254T10 / B5254T11 / B5254T12 / B5254T14 / B5254T2 / B5254T3 / B5254T4 / B5254T5 / B5254T6 / B5254T7 / B5254T8 / B5254T9)



			kg	€
400.4460	10 pcs	Engine Timing Tool Set for Ford / Volvo	1,99	186,50

consists of:

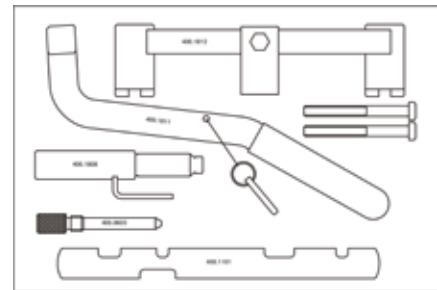
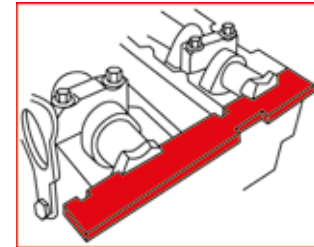
			kg	€
400.4461		Camshaft holding bracket	490	
400.4462		Crankshaft front oil sealer cup	650	



Engine Timing Tool Set for Volvo

- For the professional engine repair
- For changing the timing belt
- Very high degree of accuracy
- In durable steel storage case

Application range: Volvo C30, S40, V50, S60, S70, S80, V70



			kg	€
400.1825	7 pcs	Engine Timing Tool Set for Volvo	1,28	160,50

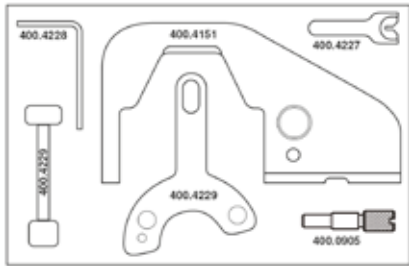
consists of:

			kg	€
400.0603		Crankshaft timing pin, 83 mm	51	
400.1101		Camshaft setting strap, 200 mm	140	
400.1808		Flywheel locking pin 112 mm	225	
400.1811		Tensioner adjuster 245 mm	239	
400.1812		Camshaft locking tool (3)	498	

Engine Timing Tool Set for Volvo

- For the professional engine repair
- For locking the crank shaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Volvo C70 (>2006), S40 (>2004), S60 (>2005), S80 (>2006), V50 (>2004), V60 (>2010), V70 (>2008), V70 XC (>2001), XC60 (>2008), XC70 (>2008), XC90 (>2002), C30 (>2006) with 2.0 GTDi engines (engine code: D5204T2 / D5204T3 / D5204T5 / D5244T / D5244T10 / D5244T11 / D5244T13 / D5244T14 / D5244T15 / D5244T16 / D5244T17 / D5244T18 / D5244T19 / D5244T2 / D5244T3 / D5244T4 / D5244T5 / D5244T6 / D5244T7 / D5244T8 / D5244T9 / D5204T / D4164T / D4162T / D4164T2 / D4192T3 / D4192T4 / D4204T / D4204T2 / D4164T)



Part No.	Description	Weight (kg)	Price (€)
400.4225	6 pcs Engine Timing Tool Set for Volvo	1,14	207,50

consists of:

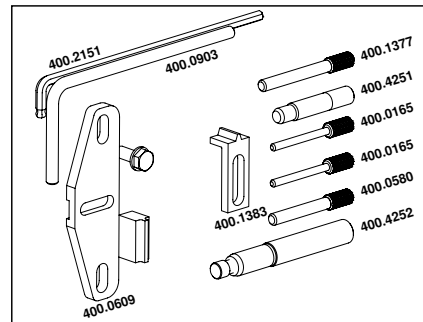
Part No.	Description	Quantity
400.0905	Crankshaft locking pin, Ø 8 mm, 58 mm	33
400.4226	Cam shaft alignment tool for 400.4225	700
400.4227	Crank shaft sensor alignment tool	30
400.4228	Tension pin 3.0 mm	10
400.4229	Crank shaft pulley wheel adjustment tool (2)	290



Engine Timing Tool Set for Volvo

- For the professional engine repair
- For locking the crank shaft or cam shaft
- Very high degree of accuracy
- In durable steel storage case

Application range: Volvo C70 (>2006), S40 (>2004), S60 (>2005), S80 (>2006), V50 (>2004), V60 (>2010), V70 (>2008), V70 XC (>2001), XC60 (>2008), XC70 (>2008), XC90 (>2002), C30 (>2006) (engine code: D5204T2 / D5204T3 / D5204T5 / D5244T / D5244T10 / D5244T11 / D5244T13 / T5244T14 / D5244T15 / D5244T16 / D5244T17 / D5244T18 / D5244T19 / D5244T2 / D5244T3 / D5244T4 / D5244T5 / D5244T6 / D5244T7 / D5244T8 / D5244T9 / D5204T / D4164T / D4162T / D4164T2 / D4192T3 / D4192T4 / D4204T / D4204T2 / D4164T)



Part No.	Description	Weight (kg)	Price (€)
400.4250	13 pcs Engine Timing Tool Set for Volvo	1,14	132,90

consists of:

Part No.	Description	Quantity
400.0165	Camshaft locking pin 5.0 mm	19
400.0580	Crankshaft locking pin Ø 8,0 mm, 70 mm	30
400.0609	Flywheel locking tool 133 x 40 mm	308
400.0752	Washers M8	1
400.0903	Crankshaft locking pin	85
400.1009	Locking screw M8 x 20.0 mm	11
400.1377	Tensioning locking pin Ø 8 mm	35
400.1383	Flywheel locking tool 50 mm	30
400.2151	Tensioner adjuster 6.0 mm, 200 mm	20
400.4251	Crankshaft locking pin 65 mm	102
400.4252	Cam shaft locking pin	160
400.4253	Flywheel locking tool 118 mm	10

UNIVERSAL COUNTER HOLD TOOL

Universal counter holder for V ribbed belt discs

- With strong belt that has an adjustable flexible diameter
- For securing belt discs
- Ideal for water pumps, alternators, drive pulleys for pumps, fans etc.
- Can be used for discs with a diameter 50.00-200.00 mm



Part No.	Length (mm)	Replacement tool	Weight (kg)	Price (€)
150.3152	360,0	150.3153	506	49,50

Universal counter holder for V ribbed discs

- With strong belt that has an adjustable flexible diameter
- 5.0 mm groove spacing
- For securing toothed-belt discs
- Ideal for water pumps, alternators, drive pulleys for pumps, fans etc.
- Can be used for discs with a diameter 50.00-200.00 mm



Part No.	L (mm)	Replacement tool	Weight (kg)	Price (€)
150.3150	375,0	150.3151	542	32,50

Universal belt pulley rotary lever

- Universal adjustable lever
- For the spinning of the engine by means of the belt pulley
- With plastic-coated handle
- Chrome vanadium



Part No.	Length (mm)	Weight (kg)	Price (€)
150.3029	325,0	650	13,90

Universal locking tool / counter tool for crank shaft wheels

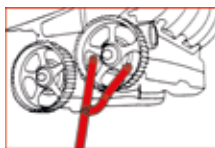
- Ideally suited to almost all vehicle types
- For working areas with gear diameters 45 - 190 mm
- With quick adjustment for setting the working area
- Universally used tool for locking, turning and securing locked pulley wheels
- Allows the crank shaft drive wheels to turn or for releasing the securing screws on the pulley wheel
- Ideal leverage thanks to 390 mm total length
- Very narrow tool for maximum access
- Quick and easy usage
- Maximum holding force
- With plastic-coated handle
- Special tool steel



	Ø mm	Length mm		€
150.2990	45-190	390,0	500	64,50

Pulley wheel counter hold wrench

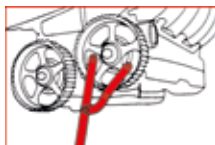
- Suitable for counter holding the timing belt wheel on the cam shaft
- Hole distance can be varied
- Adjustable, universal usage
- With plastic-coated handle
- Chrome vanadium



	Length mm		€
400.9007	410,0	525	35,50

Universal timing gear holder set

- Ideally suited to almost all vehicle types
- Universally used tool for locking, turning and securing locked pulley wheels
- The overall length of 520 mm guarantees an optimal lever for loosening the timing belts reinforcement screws
- Stepless adjustment of Ø 40 - 220 mm - pin height: 35 mm
- Includes 4 pairs of screw on plugs
- With plastic-coated handle
- Special tool steel



		€
150.3000 11 pcs Universal timing gear holder set	2,20	64,50

consists of:

150.3001	Adjustable lever f.150.3000, 520 mm	1,12
150.3002	Locking pin f.150.3000, 2 pcs, 6-10 mm	0,10
150.3003	Locking pin f.150.3000, 2 pcs, 8-11 mm	0,05
150.3004	Locking pin f.150.3000, 2 pcs, 10-12 mm	0,04
150.3005	Locking pin f.150.3000, 2 pcs, 11-16 mm	0,04
150.3006	Knurled nut f.locking pin,150.3000, 2 pcs	0,02

Pin-type face wrench set, seamlessly adjustable with interchangeable pins

- Universal application for common two-hole nuts
- With interchangeable pins
- Each double pin wrench is replacing 4 single key sizes
- Adjustable in diameter
- Phosphate finish
- Special tool steel
- In durable plastic storage case



			€
150.3205	20 pcs Pin-type face wrench set, seamlessly adjustable with interchangeable pins	1,56	136,90

consists of:

150.3206	Pin-type face wrench, adjustable, 263 mm	485
150.3207	Pin-type face wrench, adjustable, 215 mm	293
150.3208	Pin-type face wrench, adjustable, 161 mm	155
150.3209	Pin-type face wrench, adjustable, 115 mm	57
150.3210	Pin pair, Ø 2.37 mm	2
150.3211	Pin pair, Ø 2.90 mm	2
150.3212	Pin pair, Ø 4.87 mm	5
150.3213	Pin pair, Ø 5.91 mm	7
150.3214	Pin pair, Ø 6.87 mm	13
150.3215	Pin pair, Ø 7.92 mm	15
150.3216	Pin pair, Ø 9.87 mm	28
150.3217	Pin pair, Ø 11.90 mm	37



VISCO FAN TOOL

Universal Visco ventilator wrench

- For removing the hubs and bleeding with viscous couplings
- Especially slim design
- Enables easy access
- With PVC dipped handle
- Special tool steel



	mm	Suitable for		€
150.3022	32	for clamping the viscous coupling drive shaft on BMW, Ford	300	19,50
150.3027	36	For counter holding the Visco coupling drive shaft BMW, Ford, GM	340	17,50
150.3023	41	for twisting the water pump on Opel and GM	422	12,90
150.3024	46	for twisting the water pump on Opel and GM	405	12,90

Ventilator hub wrench set

- For counter holding the Visco coupling drive shaft
- Makes it possible to secure the pulley wheel of the water pump and at the same time release the heating filter
- Also suitable for the removal of the viscous connecting socket on the cooler ventilator
- Special tool steel
- In durable plastic storage case



		€
150.3320 12 pcs Ventilator hub wrench set	1,89	217,50

consists of:

150.3008	Visco ventilator wrench	370
150.3009	Ventilator coupling counter hold for Mercedes	105
150.3022	Universal Visco ventilator wrench, 32mm	300
150.3024	Universal Visco ventilator wrench, 46mm	405
150.3027	Universal Visco ventilator wrench, 36mm	340
150.3301	Visco ventilator wrench	472
150.3306	Holding wrench for Visco ventilator	330
150.3321	Adaptor, short, Ø 20 mm	5
150.3322	Adaptor, Ø 8 mm	22
150.3323	Adaptor, Ø 10 mm	29
150.3324	1/2" Holding wrench	635
151.26025	Hexagon key wrench, phosphate finish, short, 2,5mm	10

TENSION PULLEY WRENCH V/V RIBBED BELTS

Bit socket for Torx screws

- suitable for assembly and disassembly of the fan belt
- For operating the tension pulley securing screws
- Torx
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- with press-fitted nickel-plated bit
- For manual operation
- Matt finish
- Chrome vanadium



1/2"

		D mm	L mm	T mm		€
911.1361	T20	22,0	55,0	17,0	70	2,90
911.1362	T25	22,0	55,0	17,0	700	2,90
911.1363	T27	22,0	55,0	17,0	710	2,90
911.1364	T30	22,0	55,0	17,0	710	2,90
911.1365	T40	22,0	55,0	17,0	730	2,90
911.1366	T45	22,0	55,0	17,0	90	3,50
911.1367	T50	22,0	55,0	17,0	90	3,50
911.1368	T55	22,0	55,0	17,0	770	2,90
911.1369	T60	22,0	55,0	17,0	90	3,50

V-belt and tooth belt wrenches

- 12 point
- For loosening the automatic clamping device
- Problem free changing of the belt
- Saves the cooling unit service on VAG
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: Audi A4, Volkswagen Passat > 97 with TDI or pump injector engines Opel, DOHC 4- / 6 cylinder (e.g. Astra F with cooling), Saab V6 engines, Mitsubishi

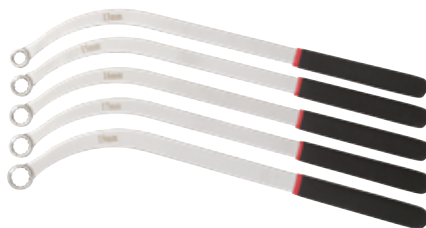


		Length mm		€
150.1206	10	460,0	320	23,50
150.1207	11	460,0	320	23,50
150.1208	12	460,0	320	23,50
150.1201	13	460,0	320	20,50
150.1209	14	460,0	320	23,50
150.1202	15	460,0	320	21,50
150.1203	16	460,0	320	22,50
150.1204	17	460,0	320	22,50
150.1213	18	460,0	320	23,50
150.1205	19	460,0	320	23,50

Universal wedge and timing belt wrench set

- 12 point
- For loosening the automatic clamping device
- Problem free changing of the belt
- Saves the cooling unit service on VAG
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium

Application range: Audi A4, Volkswagen Passat after 97 with TDI or Pump-Nozzle Engine Opel DOHC 4- / 6-Cylinder (e.g. Astra F with air conditioning), Saab V6-Engines, Mitsubishi



			€
150.1200	5 pcs Universal wedge and timing belt wrench set	2,18	109,50

consists of:

150.1201	V-belt+tooth belt wrench, 13mm, L=460mm	320
150.1202	V-belt+tooth belt wrench, 15mm, L=460mm	320
150.1203	V-belt+tooth belt wrench, 16mm, L=460mm	320
150.1204	V-belt+tooth belt wrench, 17mm, L=460mm	320
150.1205	V-belt+tooth belt wrench, 19mm, L=460mm	320

Universal V-belt and tooth belt wrenches

- Torx-E-Profile
- For loosening the automatic clamping device
- Problem free changing of the belt
- For hard to reach places
- With plastic-coated handle
- Chrome vanadium



		Length mm		€
150.1214	E8	460,0	320	23,50
150.1216	E10	460,0	320	24,90
150.1217	E12	460,0	320	24,90
150.1218	E14	460,0	320	25,90
150.1219	E16	460,0	320	25,90
150.1221	E18	460,0	320	25,90
150.1222	E20	460,0	320	27,90
150.1223	E22	460,0	320	27,90

BELT TENSION CHECKER

Timing belt tensions test instrument

- For inspection of the timing post tensioning
- For the timing belt on the combustion engine
- With mm scale
- 10N (~1kp corresponds a revolution)
- Special tool steel

Application range: Can be used everywhere there is the technical data for the allowable through bend of the timing belt in mm in a certain power in N or kp revolutions



Technical data:

Scale division: in mm
Measurement mode: mechanical (spring)
Adjusting nut revolution around 360°: 1,0
Adjusting nut pitch: 1,0/10,0 mm

	Length mm		€	
150.3015	100,0	0,0-20,0 mm	260	72,90

Electronic timing belt tension tester

- For testing the tension of toothed belts and V-ribbed belts
- Measurement using the latest method = frequency measurement in Hertz
- With data log, setting values and correct position of the measuring sensor on the belt drive
- One man operation, easy to use
- LED display and acoustic measuring signal
- Automatic shutdown after 120 seconds
- In durable plastic storage case

Application range: Maintenance of vehicles, replacement of belts, suitable for passenger cars up to commercial vehicles



Technical data:

Power requirement: 9V block battery
Working range: 30-520 Hz
Cable length: 1,2 m

			€
150.3165	8 pcs Electronic timing belt tension tester	1,13	759,90

UNIVERSAL

TDC finder set

- For quickly establishing the TDC point
- Suitable for both petrol and diesel engines
- Is used e.g. when changing the timing belt or when disassembling the cylinder head (seal change)
- Display unit with measuring tube, piston and magnet bracket
- Connection hose with ignition or glow plug thread adapters and universal cone adaptor
- Aluminium lengthener for deep ignition chambers
- In durable plastic storage case



					€
152.2055	11 pcs	TDC finder set	180		48,50

consists of:

					€
152.2056		Hose	31		
152.2057		Hooks with magnet	5		
152.2058		Measuring pipe	13		
152.2059		Lengthener with connection pipe	26		
152.2062		Adaptor set, 6 pcs, Ø 8-10-12-14-18 mm and cone adaptor	13		

TDC determining pin / dial indicator bracket M14 x 1.25

- For the professional engine repair
- For adjusting the crank shaft to the top dead centre (TDC) point
- Used in place of spark plugs
- To be used alongside dial indicator 400.9004
- Special tool steel
- Very high degree of accuracy



		Ø mm	Length mm		€
400.9026	M14 x 1,25	2,0	262,0	288	35,50

TDC determining pin / dial indicator bracket M14 x 1.25

- For the professional engine repair
- For adjusting the crank shaft to the top dead centre (TDC) point
- Used in place of spark plugs
- To be used alongside dial indicator 400.9004
- Special tool steel
- Very high degree of accuracy



		Ø mm	L mm		€
400.9027	M14 x 1,25	5,0	260,0	288	34,50

TDC determining pin M14 x 1,25

- For the professional engine repair
- For adjusting the crank shaft to the top dead centre (TDC) point
- Used in place of spark plugs
- Grooves indicate when the piston is at the TDC point
- Special tool steel
- Very high degree of accuracy



		Ø mm	Length mm		€
400.9006	M14 x 1,25	2,0	262,0	288	17,50



Universal locking pin and marking pin set

- For the professional engine repair
- Versatile usage
- For safe locking of the tensioning element
- Very high degree of accuracy

Application range: Alfa Romeo, Audi, Chrysler, Ford, Honda, Hyundai, Lexus, Mazda, Mitsubishi, Peugeot, Renault, Seat, Škoda, Toyota, Volkswagen, Volvo etc.



		Ø mm		€
150.3019		0,8 - 1,25 - 1,4 - 1,5 - 1,7 - 1,9	20	7,50





Universal twin Camshaft Sprocket Locking Tool

- For the professional engine repair
- For locking cam shafts that are next to each other
- Universal usage for engines with 1, 2 or 4 cam shafts
- Also suitable for chain wheels with flanges
- Enables cam belt change with mounted locking tool
- Ideal for locking of diesel injection pump wheels
- The distance of the timing wheels to each other make no difference
- Also usable in gear cam wheels with different tooth form
- Prevents the timing belt being altered
- Universal tooth profile fits on all current camshafts
- Special metal
- Very high degree of accuracy
- In durable plastic storage case



				€
150.3190	5 pcs	Universal twin Camshaft Sprocket Locking Tool	1,20	132,90

consists of:

150.3171		Cam shaft locking tool, 11 mm	110	
150.3172		Long bridges	70	
150.3196		Cornet screws (2)	40	
150.3197		Cam shaft marking device	95	

Universal - Engine Timing Tool Set

- For the professional engine repair
- Ideal range of common locking tools
- For locking the fly wheels
- For locking of the crank shaft
- For locking the cam shaft
- Secure hold thanks to optimal positioning
- Aluminium
- Very high degree of accuracy

Application range: Audi, Citroën, Peugeot, Fiat, Isuzu, Peugeot, Rover, Saab, Seat, Škoda, Opel, Volkswagen vehicles



				€
400.2650	9 pcs	Universal - Engine Timing Tool Set	1,46	115,50

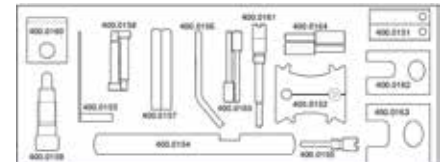
consists of:

400.0103		Opel Camshaft locking tool (right)	119	
400.0104		Camshaft locking tool left	120	
400.0151		Camshaft locking tool, 60 x 32 x 14 mm	125	
400.0162		Camshaft locking tool for Opel / Saab, blue	186	
400.0163		Camshaft locking tool for GM / Opel, gold	143	
400.0436		Flywheel locking tool, 28 x 45 mm	135	
400.0615		Crankshaft pulley setting tool, 60 mm	190	
400.1254		Flywheel locking tool, 70 x 54 mm	23	

Universal - Engine Timing Tool Set

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Also for locking twin-cam, dual cam shaft
- Very high degree of accuracy
- In durable steel storage case

Application range: universal usage on many vehicles, in particular Audi, Citroën, Ford, Honda, Land Rover, Mazda, MG, Peugeot, Rover, Opel with petrol and diesel engines with single or twin cams



				€
400.0150	20 pcs	Universal - Engine Timing Tool Set	1,38	196,90

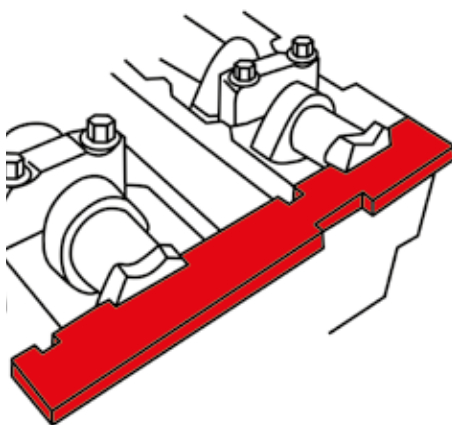
consists of:

	X			
400.0151	1	Camshaft locking tool, 60 x 32 x 14 mm	125	
400.0152	1	Camshaft locking tool 70 mm	150	
400.0153	1	Tensioner adjuster, square 8.0 mm	6	
400.0154	1	Camshaft setting strap 200 mm	130	
400.0155	1	Crankshaft locking pin Ø 5 mm	25	
400.0156	1	Crankshaft timing pin Ø 6,0 mm	23	
400.0157	1	Crankshaft locking pin Ø 10.0 mm, short (2)	120	
400.0158	1	Crankshaft locking pin (2) Ø 8,5 mm	30	
400.0159	1	Crankshaft timing pin	120	
400.0160	1	Camshaft timing tool (2), 38 x 44 mm	118	
400.0161	1	Crankshaft TDC locking pin, 102 mm	75	
400.0162	1	Camshaft locking tool for Opel / Saab, blue	186	
400.0163	1	Camshaft locking tool for GM / Opel, gold	143	
400.0164	1	Timing pin Ø 6,6 mm (2)	74	
400.0165	2	Camshaft locking pin 5.0 mm	19	

Universal - Engine Timing Tool Set

- For the professional engine repair
- For locking the crank shaft or cam shaft
- For changing the timing belt
- Also for servicing the injector pump
- Very high degree of accuracy
- In durable steel storage case

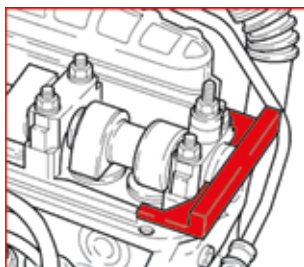
Application range: universal usage on many Audi, Citroën, Ford, Peugeot, Renault, Rover, Volvo, Volkswagen vehicles



Universal - Engine Timing Tool Set for diesel engines

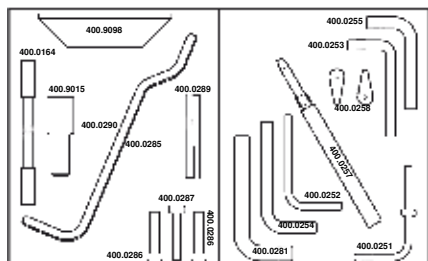
- For the professional engine repair
- Special set for adjusting and locking diesel engines
- Very high degree of accuracy
- In durable steel storage case

Application range: Audi, Citroën, Ford, Opel, Peugeot, Renault, Rover, Volvo, Volkswagen vehicles with diesel engines



consists of:

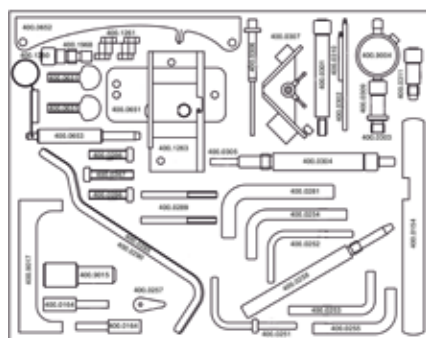
400.0154	Camshaft setting strap 200 mm	130	
400.0164	Timing pin Ø 6,6 mm (2)	74	
400.0251	Injection pump locking pin Ø 6.0 mm	30	
400.0252	Camshaft locking pin 6.0 mm	26	
400.0253	Locking pin Ø 8.0 mm	41	
400.0254	Locking pin Ø 9.5 mm	60	
400.0255	Locking pin Ø 10.0 mm	60	
400.0257	Crankshaft TDC locking pin Ø 5 mm, 160 mm	124	
400.0258	Shim tool (2)	3	
400.0281	Timing pin Ø 12,7 mm	569	
400.0285	Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286	Screw M8 x 35 mm (2)	16	
400.0287	Screw M8 x 40,0 mm	18	
400.0289	Injector pump locking pin (2), Ø 6 mm, 70 mm	14	
400.0290	Crankshaft setting pin Ø 6,0 mm	55	
400.0301	Dial gauge adapter M8 (Bosch), long	71	
400.0302	Dial gauge extension, long 99 mm	9	
400.0303	Converter M8 x M12	12	
400.0304	TDC determining pin / dial indicator bracket M14 x 2.0 mm	135	
400.0305	Extension	460	
400.0306	Dial gauge probe for Lucas-CAV-Roto	17	
400.0307	Dial gauge assy for Lucas-CAV-Roto	125	
400.0309	Dial gauge adapter M8 (Bosch) short, silver	37	
400.0310	Dial gauge extension short	4	
400.0311	Dial gauge adapter M10 (Bosch) short, black	40	
400.0651	Camshaft locking tool (3), 110 x 50 mm	169	
400.0652	Flywheel TDC indicator	80	
400.0653	Flywheel locking pin with spring on ring, 103 mm	79	
400.1260	Screw for 400.1263	9	
400.1261	Locking screw M6 x 10.0 mm	4	
400.1263	Mounting bracket assy	330	
400.1968	Special tip	16	
400.9004	Precision-dial indicator gauge 0-10 mm, Ø 40 mm	78	
400.9015	Injection pump locking pin Ø 15.4 mm	126	
400.9017	Camshaft setting strap for VAG	120	



400.0275	20 pcs	Universal - Engine Timing Tool Set	1,84	94,50

consists of:

400.0164	Timing pin Ø 6,6 mm (2)	74	
400.0251	Injection pump locking pin Ø 6.0 mm	30	
400.0252	Camshaft locking pin 6.0 mm	26	
400.0253	Locking pin Ø 8.0 mm	41	
400.0254	Locking pin Ø 9.5 mm	60	
400.0255	Locking pin Ø 10.0 mm	60	
400.0257	Crankshaft TDC locking pin Ø 5 mm, 160 mm	124	
400.0258	Shim tool (2)	3	
400.0281	Timing pin Ø 12,7 mm	569	
400.0285	Crankshaft locking pin Ø 8,0 mm 200 mm	97	
400.0286	Screw M8 x 35 mm (2)	16	
400.0287	Screw M8 x 40,0 mm	18	
400.0289	Injector pump locking pin (2), Ø 6 mm, 70 mm	14	
400.0290	Crankshaft setting pin Ø 6,0 mm	55	
400.9015	Injection pump locking pin Ø 15.4 mm	126	
400.9098	Alignment ruler	86	



400.1950	41 pcs	Universal - Engine Timing Tool Set for diesel engines	4,74	497,50



PREMIUM-WERKZEUGE



PREMIUM TOOLS

TOP SELLER SET

150.3165

8

pcs

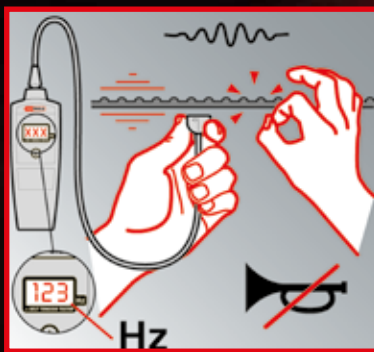
Electronic timing belt tension tester

- For testing the tension of toothed belts and V-ribbed belts
- Measurement using the latest method = frequency measurement in Hertz
- With data log, setting values and correct position of the measuring sensor on the belt drive

Application range: Maintenance of vehicles, replacement of belts, suitable for passenger cars up to commercial vehicles

Technical data:

Power requirement: 9V block battery
 Working range: 30-520 Hz
 Cable length: 1.2 m



759,90 €

Your Local Distributor:

PREMIUM-WERKZEUGE



PREMIUM TOOLS

KS Tools Werkzeuge - Maschinen GmbH
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 Print mistakes, errors and technical alterations excepted. Prices valid up to 30.09.2024.