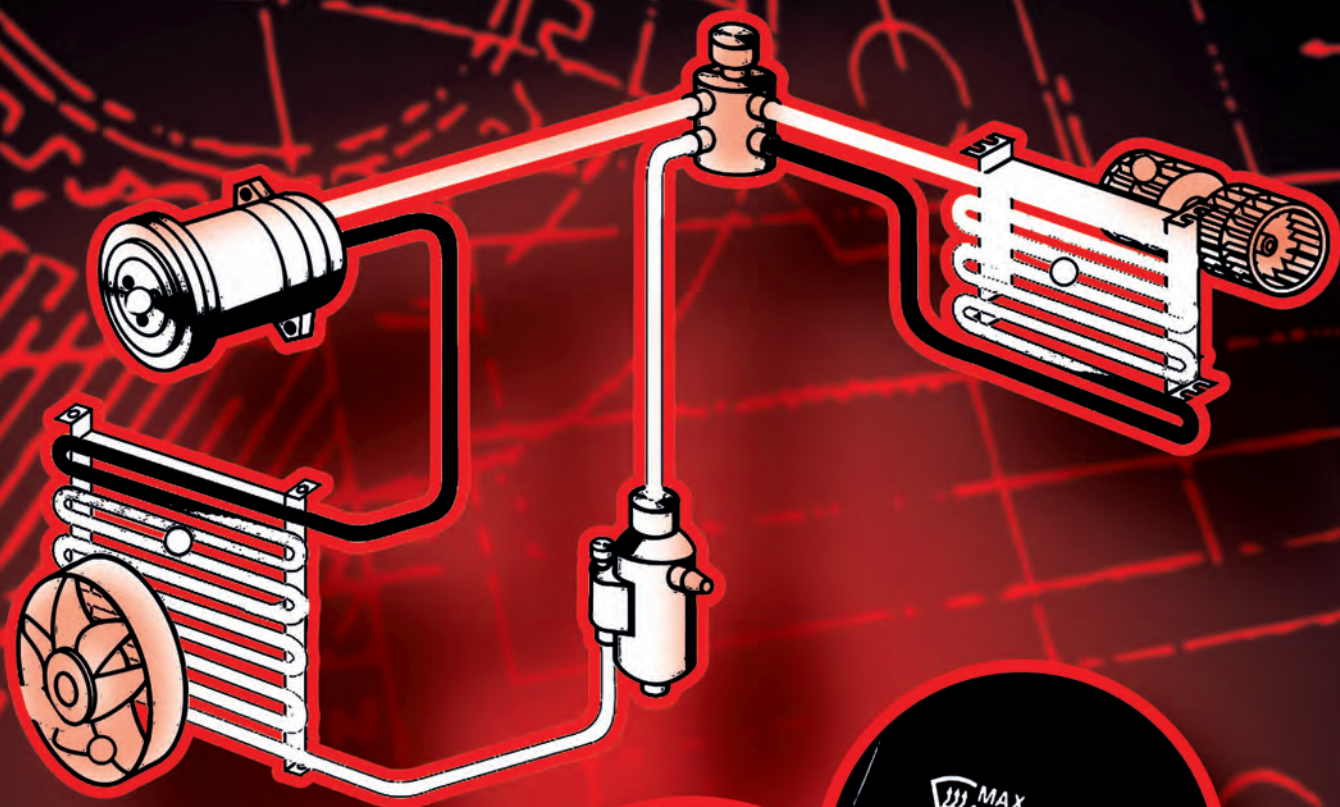
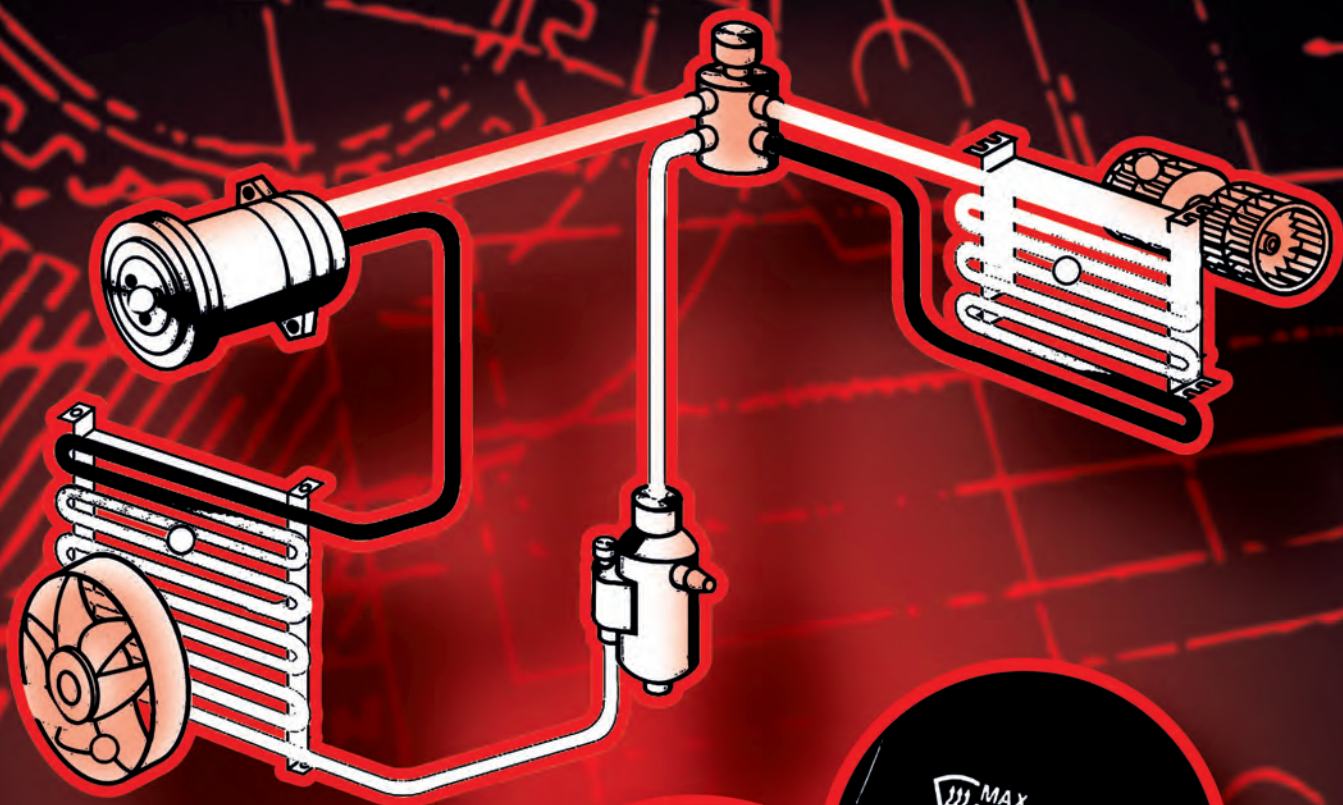


K15



KS TOOLS





Innovation is our mission!



	PAGE
WIRE CONNECTOR UNLOCKING DEVICE	380
THERMOMETER	381
UV LEAK DETECTION LAMPS	381
LEAK DETECTION DEVICES	382
AIR CONDITIONING SYSTEM TOOLS	382 - 383
SEALING RINGS	383
SEALING RING HOOK TOOLS	383 - 384
CLEANING DEVICES	384

WIRE CONNECTOR UNLOCKING DEVICE

Pipe connection release clip set for CLIC spring closing pipe coupling

- For the assembly and disassembly of hard to open CLIC spring closure pipe coupling for fuel, air-conditioning, air and hydraulic pipes
- No damage to the compression coupling, fuel pipes and fuel hoses
- Quick and easy separation of the pipes
- Ideally suited to passenger cars, transporters and MPVs
- Suitable for metric couplings
- Special plastic

Application range: Mitsubishi, Honda, Volvo, Nissan



	Ø mm	g
115.1095 6 pcs	6 - 8 - 10 - 12 - 15 - 16	60

Pipe connection release clip set for CLIC spring closing pipe coupling

- For the assembly and disassembly of hard to open CLIC spring closure pipe coupling for fuel, air-conditioning, air and hydraulic pipes
- No damage to the compression coupling, fuel pipes and fuel hoses
- Quick and easy separation of the pipes
- Ideally suited to passenger cars, transporters, MPVs, commercial vehicles, tractors, agricultural and construction machinery
- For almost all pipe connections on European, Asian and American vehicle types
- Suitable for metric and imperial couplings
- Special plastic

Application range: Chrysler, Ford, GM, Daihatsu, Honda, Mercedes, Mitsubishi, Nissan, Opel, Saab, Scania, Volvo, Volkswagen, etc.



	Ø mm	g
115.1089 7 pcs	6,35 (1/4") - 7,9 (5/16") - 9,5 (3/8") - 12,7 (1/2") - 15,9 (5/8") - 19,0 (3/4") - 22,2 (7/8")	90

Disassembly tool set for CLIC spring closure pipe coupling

- For the disassembly of hard to open CLIC spring closure pipe coupling for fuel, air-conditioning, air and hydraulic pipes
- No damage to the compression coupling, fuel pipes and fuel hoses
- Quick and easy separation of the pipes
- Ideally suited to passenger cars, transporters, MPVs, commercial vehicles, tractors, agricultural and construction machinery
- For almost all pipe connections on European, Asian and American vehicle types
- Suitable for metric and imperial couplings
- Aluminium

Application range: Chrysler, Ford, GM, Daihatsu, Honda, Mercedes, Mitsubishi, Nissan, Opel, Saab, Scania, Volvo, Volkswagen, etc.



	Ø mm	g
115.1285 6 pcs	7,9 (5/16") - 9,5 (3/8") - 12,7 (1/2") - 15,9 (5/8") - 19,0 (3/4") - 22,2 (7/8")	250

consists of:

		g
115.1274	Unlocking-Ring, 5/16", aluminum gold, oil and fuel lines, etc	35
115.1275	Unlocking-Ring, 3/8", aluminum blue, oil and fuel lines, etc	36
115.1276	Unlocking-Ring, 1/2", aluminum yellow, oil and fuel lines, etc	36
115.1277	Unlocking-Ring, 5/8", aluminum green, oil and fuel lines, etc	41
115.1278	Unlocking-Ring, 3/4", aluminum black, oil and fuel lines, etc	42
115.1279	Unlocking-Ring, 7/8", aluminum red, oil and fuel lines, etc	43
115.1282	Replacement-Rubber ring-Set, 6- pcs for Unlocking-Rings	1



MASTER pipe connector release clip set for CLIC spring clamp pipe coupling

- For the assembly and disassembly of hard to open CLIC spring closure pipe coupling for fuel, air-conditioning, air and hydraulic pipes
- No damage to the compression coupling, fuel pipes and fuel hoses
- Quick and easy separation of the fuel pipes
- Ideally suited to passenger cars, transporters, MPVs, commercial vehicles, tractors, agricultural and construction machinery
- For almost all pipe connections on European, Asian and American vehicle types
- Suitable for metric and imperial couplings
- Special plastic

Application range: Air-conditioning, fuel and air lines as well as hydraulics lines



		g
115.1260 22 pcs	MASTER pipe connector release clip set for CLIC spring clamp pipe coupling	1.00

consists of:

		g
115.1261	Unlocking clip 1/4", plastic white, for air conditioning and fuel lines	1
115.1262	Unlocking clip 5/16", plastic white, for air conditioning and fuel lines	1
115.1263	Unlocking clip 3/8", plastic white, for air conditioning and fuel lines	1
115.1264	Unlocking clip 1/2", plastic white, for air conditioning and fuel lines	5
115.1265	Unlocking clip 5/8", plastic white, for air conditioning and fuel lines	7
115.1266	Unlocking clip 3/4", plastic white, for air conditioning and fuel lines	8
115.1267	Unlocking clip 7/8", plastic white, for air conditioning and fuel lines	9
115.1268	Unlocking clip open 5/16", steel black, hydraulic lines	37
115.1269	Barrel-Unlocking with spring, red 3/4", Air conditioning lines 3/8" Nominal size: 6er	12
115.1270	Barrel-Unlocking with spring, blue 1/2", Air conditioning lines 3/8" Nominal size: 8er	13
115.1271	Barrel-Unlocking with spring, black 5/8", Air conditioning lines 3/8" Nominal size: 10	12
115.1272	Barrel-Unlocking with spring, white 3/4", Air conditioning lines 3/8" Nominal size: 12	12
115.1273	Double Unlocking Ring, 5/16"x3/8", for use on air conditioning lines	54
115.1274	Unlocking-Ring, 5/16", aluminum gold, oil and fuel lines, etc	35
115.1275	Unlocking-Ring, 3/8", aluminum blue, oil and fuel lines, etc	36
115.1276	Unlocking-Ring, 1/2", aluminum yellow, oil and fuel lines, etc	36
115.1277	Unlocking-Ring, 5/8", aluminum green, oil and fuel lines, etc	41
115.1278	Unlocking-Ring, 3/4", aluminum black, oil and fuel lines, etc	42
115.1279	Unlocking-Ring, 7/8", aluminum red, oil and fuel lines, etc	43
115.1280	Lever -Release open 5/16", Steel black	84
115.1281	Fork plug-Unlocking, metal black	15
115.1282	Replacement-Rubber ring-Set, 6- pcs for Unlocking-Rings	1

THERMOMETER

Rod thermometer

- Controls temperature of air streams through air channels
- Controls the water temperature
- With long and narrow measuring instruments
- Scale with °C and °F measurements



L mm	Working range °C	Working range °F	
150.1963	1600.0	0 - 220	27



Digital rod thermometer

- Controls temperature of air streams through air channels
- Controls the water temperature
- With long, narrow measuring instruments
- Good readability
- Includes 9V block battery
- Includes hold function
- Includes LCD display



Length mm	Working range °C		
150.1968	125.5	-50 - 150	145

Infrared thermometer

- Laser pistol for non contact temperature measurement
- Ideally suited for the automotive sector, industrial, and construction usage Chemical and foodstuffs industry
- Laser measuring beam with a red measuring point
- Illuminating Display
- LCD Digital display
- Automatic switching off
- Includes 9V block battery
- Stable plastic housing

Application range: In turning motors, difficult to access places, fluids, under current line directions, in heating appliances, gas and, air-conditioning, coolant systems, brake discs aggressive chemicals and groceries



- Technical data:**
- Switchable: °C / °F
 - Working range: -50° - 550 °C
 - Emission factor: adjust to 0.95
 - Power output max: 1mW
 - Power requirement: 9V block battery

L	D	Spare bulb	
150.3040	Infrared thermometer	250	

UV LEAK DETECTION LAMPS

Flexible UV inspection lamp

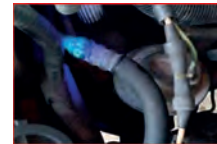
- LED UV lamp
- Flexible shaft
- Localizes leaks in air conditioning systems
- Clip for the breast pocket
- Approx. 60 hours lamp duration
- Includes 3 x AAAAA batteries
- Impact proof housing



L mm	D mm	Spare bulb		
550.1165	450.0	7.5	550.1167	150

Cordless UV leak detection light set

- Wireless design
- LED UV lamp
- Extremely high light power
- Ideal for locating leaks in air conditioning pipes
- Great for detecting leaks at close range
- With long cable for flexible use
- Includes UV glasses
- Compatible with all industry-standard leak detection additives
- Includes 3 x AAA batteries
- Impact-proof casing



L	D	Spare bulb	
550.1190	2 pcs	Cordless UV leak detection light set	400

consists of:

L	D	Spare bulb	
550.1191	Battery-powered UV leak detection lamp	150	
550.1182	UV glasses	42	

UV leak detection light set

- UV lamp
- Extremely high light power
- Ideal for locating leaks in air conditioning pipes
- Great for detecting leaks at close range
- Revolving head
- Self-powering by attaching crocodile clips to a 12V battery
- With long cable for flexible use
- Includes UV glasses
- Compatible with all industry-standard leak detection additives
- Impact-proof casing



L	D	Spare bulb	
550.1180	2 pcs	UV leak detection light set	460

consists of:

L	D	Spare bulb	
550.1181	UV leak detection lamp	360	
550.1182	UV glasses	42	

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LEAK DETECTION DEVICES

Air condition leak detector

- Ideal for locating leaks in air conditioning pipes
- Detects cooling agent concentration in the surrounding air
- Reacts to R134a, R12, R11, R500, R503, R22, R123, R124, R502, R404a, R125, AZ-50, HP62 and MP39
- No cross-sensitivity in the presence of carrier gas and air movement
- With flexible stainless steel tube neck (355 mm) for places that are hard to access
- Visual and aural signal upon detection of a leak
- Adjustable sensitivity
- Leak detection rate up to 5 g/year
- Approximately 10 seconds waiting time
- Service life of the sensor is approximately 100 hours
- Impact-proof casing
- Includes 2 x D batteries
- Includes replacement sensor
- In durable plastic storage case

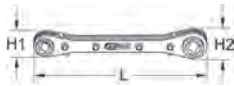


	Length mm	Height mm	Width mm	replacement sensor	
550.1192	229.0	65.0	65.0	550.1194	560

AIR CONDITIONING SYSTEM TOOLS

4in1 Air conditioning ratchet spanner, reversing

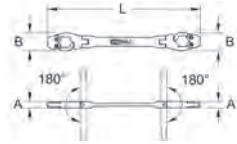
- For 3/16", 1/4", 5/16" + 3/8"
- Clockwise and anticlockwise switch
- Special steel



	H1 mm	H2 mm	L mm	
130.0122	22.0	22.0	140.0	120

CHROMEplus® ratchet spanner with revolving head

- 6 point
- Straight form
- 180° revolving head
- Ratchet function
- Suitable for force fit applications
- Chrome plated and mirror polished
- Chrome vanadium



		A mm	B mm	L mm	
518.0332	8x9	8.5	14.8	123.0	56
518.0334	10x11	10.0	18.4	156.0	116
518.0336	12x13	11.2	21.1	179.0	170
518.0338	14x15	12.1	24.6	208.0	240

CHROMEplus® ratchet spanner set with revolving head

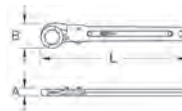
- 6 point
- Straight form
- 180° revolving head
- Ratchet function
- Suitable for force fit applications
- Chrome plated and mirror polished
- Chrome vanadium



518.0330	4 pcs 8x9 - 10x11 - 12x13 - 14x15 mm 600

Ratchet ring spanner, clamp head

- 12 point
- Straight form
- Hanging hole
- From 27 mm with rubber handle
- Chrome plated handle
- Head phosphate finish
- Chrome vanadium



		A mm	B mm	L mm	
500.5007	7	7.0	21.0	137.0	81
500.5008	8	7.0	21.0	137.0	83
500.5009	9	7.0	22.0	137.0	83
500.5010	10	7.0	22.0	137.0	82
500.5011	11	7.0	24.0	139.0	200
500.5012	12	7.0	28.0	140.0	88
500.5013	13	7.0	28.0	140.0	200
500.5014	14	7.0	28.0	140.0	88

Air condition service socket set

- 8 edge
- Ideally suited for assembly of 8-edge service valves (R 134a) for low and high pressure
- Can be used for factory-fitted air conditioning systems
- Extra-thin
- Internal square in accordance with DIN 3120/ISO 1174
- For manual operation
- Chrome-plated and mirror-polished
- Chrome vanadium

Areas of application: Audi, BMW, DaimlerChrysler, Porsche, Volkswagen, etc.



1/4"

550.1170	2 pcs Air condition service socket set 116

consists of:

550.1171	Air conditioning system low pressure valve socket, 12 mm 50
550.1172	Air conditioning system high pressure valve socket, 15 mm 67

Air conditions valve bit socket set

- Ideally suited for the assembly and dismantling of the throttle valve for low pressure and high pressure
- Can be used for factory-fitted air conditioning systems
- Extra-thin
- Female square in accordance with DIN 3120/ISO 1174
- For manual operation
- Phosphated
- Chrome molybdenum

Areas of application: Audi, BMW, DaimlerChrysler, Porsche, Volkswagen, etc.



550.1175	2 pcs Air conditions valve bit socket set 46

consists of:

550.1176	Throttle valve bit socket, 2.2 mm 22
550.1177	Throttle valve bit socket, 3.2 mm 23

Torque valve screwdriver 0,25 Ncm, long

- Ideal for short or long rubber sealing valve usage (VG5)
- Prevents the over tightening and damage of the rubber seal
- When torques is achieved, skips and can also be held audably
- Also suitable for use as a socket cap driver
- With single component handle



	Ncm	L mm	
150.2029	0,25	120.0	50

Slide hammer puller for dryer cores

- Ideally suited for removing sealing plugs for dryer cores
- Necessary tool for new capacitor constructions
- Due to strong oxidation, it is not possible to disassemble the dryer
- Therefore, the entire capacitor must be dismantled
- Universally applicable for sealing plugs with 5,0 mm internal threads
- Enormous time and cost savings
- Special steel

Areas of application: Audi, Seat, Škoda, Opel, Ford, Volkswagen, etc.



	Length mm	Ø mm	
550.1178	370,0	5,0	500

Bit socket set for tamperproof five star screws

- Five star with front drill holes
- For the assembly and disassembly of safety bolts on temperature sensors and air volume measuring instruments
- For modern diesel injection systems (pump-nozzle device, pump and electricity nozzle, common rail), e.g. Bosch injection systems
- Internal square drive to DIN 3120/ISO 1174 with ball stop groove
- For manual operation
- Matt finish
- Chrome vanadium
- Includes storage rail



	Length mm	Ø mm	
911.1470	7 pcs	TS10 - TS15 - TS20 - TS25 - TS27 - TS30 - TS40	160

CLASSIC Bit set for tamperproof five star screws

- Five star with front drill holes
- For the assembly and disassembly of safety bolts on temperature sensors and air volume measuring instruments
- For modern diesel injection systems (pump-nozzle device, pump and electricity nozzle, common rail), e.g. Bosch injection systems
- With external hexagon drive to DIN 3126/ISO 1173 - E 6.3
- For manual operation and electric screwdriver
- With a 1/4" bit adaptor socket
- Ideally suited for fittings in trade and industry
- Nickel-plated
- Special steel



	Length mm	Ø mm	
911.1480	8 pcs	TS10 - TS15 - TS20 - TS25 - TS27 - TS30 - TS40	50

Special socket for expansion valves

- Ideally suited for the assembly and dismantling of expansion valves
- Can be used for factory-fitted air conditioning systems
- TX
- Internal square drive to DIN 3120/ISO 1174 with ball stop groove
- With press fitted nickel-plated bit lining
- For manual operation
- Matt finish
- Chrome vanadium

Areas of application: Audi, Volkswagen, etc.



	D mm	L mm	T mm		
911.3885	T45	18,0	50,0	24,0	50

SEALING RINGS

O-rings assortment for HNBR air-conditioning

- In accordance with DIN 3771
- Made from HNBR: Specially for use on air conditioning lines
- In plastic storage case



	Quantity	Material	
970.0260	225 pcs	O-rings assortment for HNBR air-conditioning	120
20 x		3,0x1,0 mm / DIN 3771	
20 x		4,0x1,0 mm / DIN 3771	
20 x		4,5x2,0 mm / DIN 3771	
20 x		5,0x2,0 mm / DIN 3771	
20 x		6,0x2,0 mm / DIN 3771	
20 x		6,0x2,5 mm / DIN 3771	
20 x		6,0x3,0 mm / DIN 3771	
20 x		7,0x2,0 mm / DIN 3771	
20 x		8,0x2,0 mm / DIN 3771	
5 x		9,0x2,0 mm / DIN 3771	
5 x		10,0x2,0 mm / DIN 3771	
5 x		12,0x3,0 mm / DIN 3771	
5 x		13,0x3,0 mm / DIN 3771	
5 x		14,0x2,5 mm / DIN 3771	
5 x		17,0x2,5 mm / DIN 3771	
5 x		18,0x4,0 mm / DIN 3771	
5 x		20,0x2,0 mm / DIN 3771	
5 x		22,0x2,0 mm / DIN 3771	

O-rings assortment for HNBR air conditioning

- Made from HNBR: Specially for use in air conditioning lines
- In plastic storage case

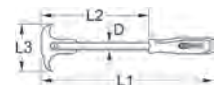


	Quantity	Material	
970.0340	270 pcs	O-rings assortment for HNBR air conditioning	150
20 x		5,29x1,78 mm	
20 x		6,07x1,78 mm	
20 x		6,80x1,90 mm	
20 x		7,65x1,78 mm	
40 x		7,80x1,90 mm	
20 x		8,80x1,90 mm	
20 x		10,00x2,00 mm	
15 x		10,70x2,62 mm	
15 x		11,00x2,00 mm	
15 x		11,00x1,78 mm	
15 x		12,90x2,00 mm	
10 x		13,90x1,78 mm	
10 x		14,00x2,00 mm	
10 x		17,00x1,78 mm	
10 x		17,00x2,00 mm	
10 x		17,00x3,53 mm	

SEALING RING HOOK TOOLS

Gasket ring dismantling tool

- Burnished
- Chrome vanadium



	L1 mm	L2 mm	L3 mm	D mm	
550.1060	300,0	195,0	85,0	12,0	380

Hook tool set

- Ideal for removing and use of O rings and seals
- Special steel



550.1040	2 pcs	Hook tool set	30

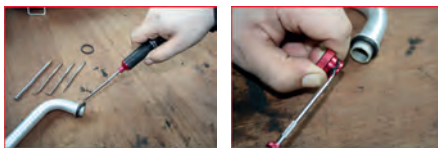
consists of:

550.1041	Hook tool with double blade 90° short// 180° short angled	11	
550.1042	Hook tool with double blade 45° long / 90° long	11	



Magnet and hook tool set

- Ideal for removing and inserting O-rings and seals
- With telescopic magnet attachment and replaceable hook
- Storage compartment in the handle for the various attachments
- Special steel



550.1080	6 pcs	Magnet and hook tool set	70

consists of:

550.1081	Basic unit	35	
550.1082	Telescopic magnet attachment, 90 - 390 mm	13	
550.1083	Hook attachment, straight, 75 mm	5	
550.1084	Hook attachment, 90°, 75 mm	5	
550.1085	Hook attachment, 120°, 75 mm	5	
550.1086	Hook attachment, lateral bend, 75 mm	5	

Hook tool set

- Ideal for removing and use of O rings and seals
- With one component handle
- With hanging hole
- Special steel



550.1045	4 pcs	Hook tool set	120

consists of:

550.1046	Hook tool 120mm blade, straight version	27	
550.1047	Hook tool 120mm blade, 45° angled version	27	
550.1048	Hook tool 120mm blade, 90° angled version	27	
550.1049	Hook tool 120mm blade, 135° angled version	27	

Master hook tool set

- Ideal for removing and use of O rings and seals
- With hanging hole
- Special steel



550.1070	9 pcs	Master hook tool set	680

consists of:

550.1046	Hook tool 120mm blade, straight version	27	
550.1047	Hook tool 120mm blade, 45° angled version	27	
550.1048	Hook tool 120mm blade, 90° angled version	27	
550.1049	Hook tool 120mm blade, 135° angled version	27	
550.1071	Hook tool large, straight	91	
550.1072	Hook tool large, 90° offset	105	
550.1073	Hook tool large, sickle form	88	
550.1074	T-handle hook tool, S-form small	42	
550.1075	T-handle hook tool, S-form big	96	

CLEANING DEVICES

Plasma air-cleaner with ionisator technology

- Eliminates odours and disinfects the interior of the vehicle
- Compact, lightweight, and high ozone emission
- For use in closed passenger compartments
- In odour elimination mode, it switches off automatically after 60 minutes
- In disinfection mode, it automatically switches off after 30 minutes and immediately switches to odour elimination mode for 30 minutes
- Works without chemical additives, guaranteed to leave no residue
- It leaves no traces, even on sensitive surfaces
- Removes mould, bacteria, fungus and mites
- Includes an active carbon HEPA technology replacement filter
- Simple operation



Technical data:

Dimensions:	173x122x49 mm
Battery type:	Lithium-ion
Rechargeable battery:	<850 mA/h
Operational voltage:	DC 12-24V / AC 100-240V / 50/60 Hz
Power consumption:	5
Ozone transformation:	5 mg/h
Negative Ion concentration:	3000 pcs/cm ³
Covering scope:	15m ²

550.1183	Replacement filter	550.1199	360



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