

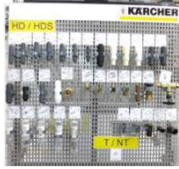
## Special Tools





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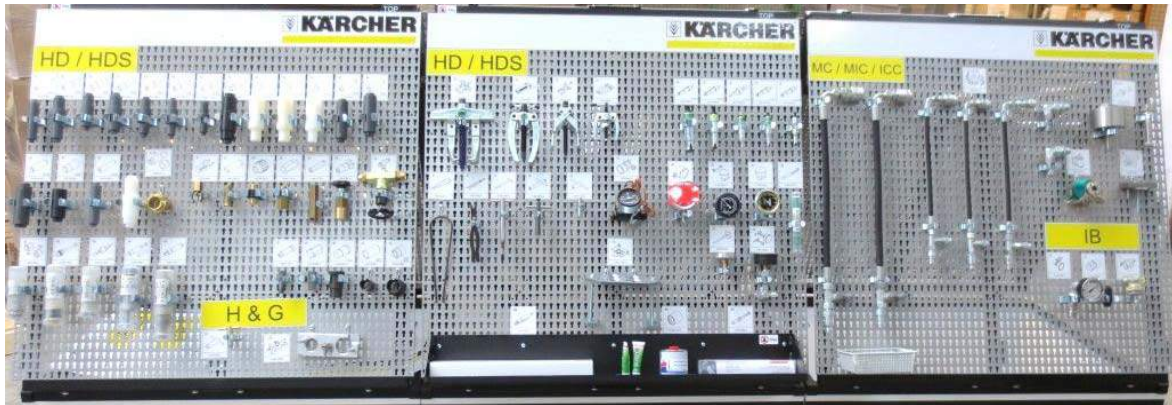
# DISISplus

- Suitable tools for each machine in DISIS
- Detailed Information concerning the application on the data sheet

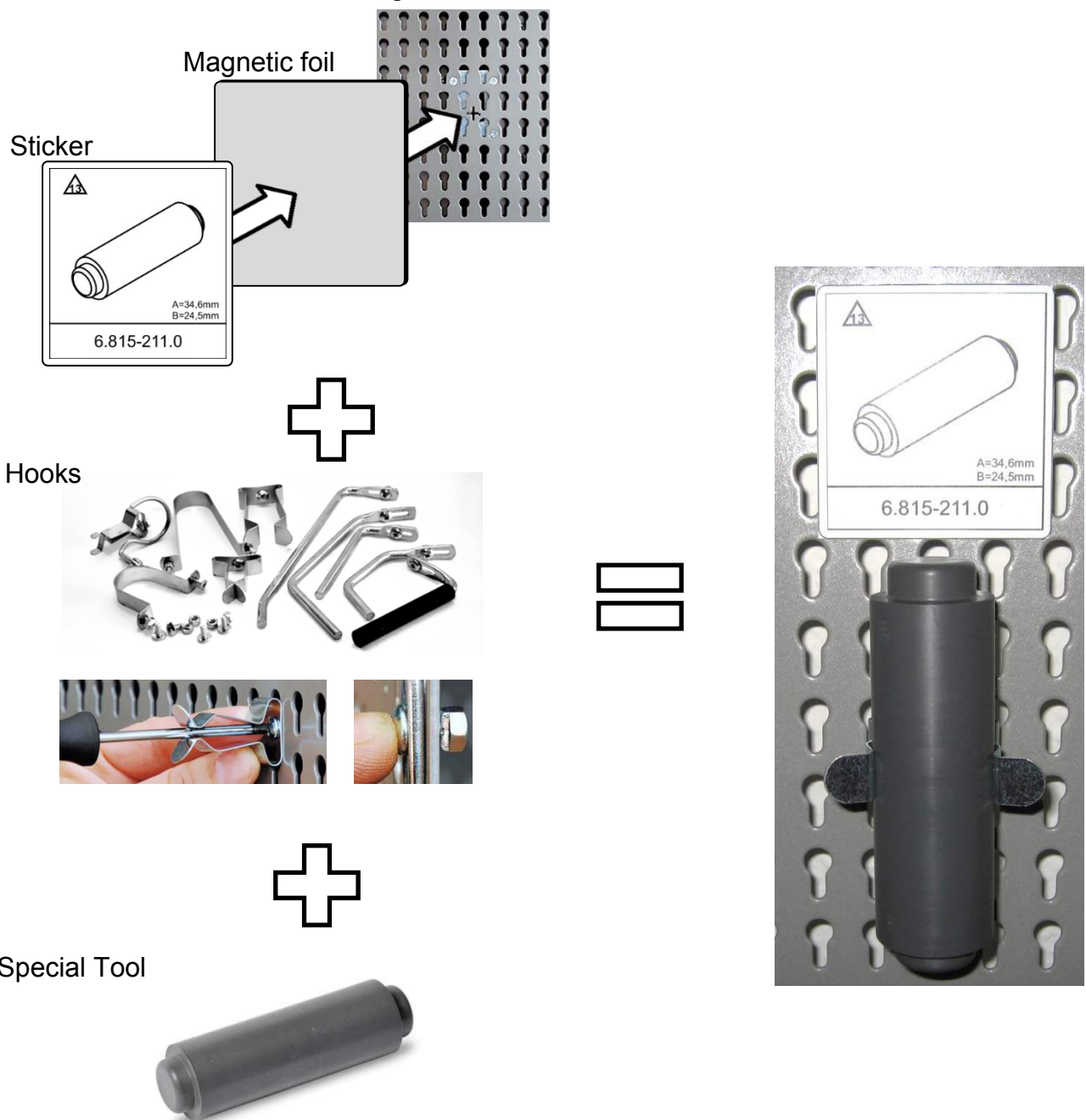
**Information**  
 Magnetic field tester (6.803-003.0)  
 Material #: 6.803-003.0  
 Name: Magnetic field tester  
 Product data sheet: [6.803-003.0\\_P1\\_en\\_int.pdf](#)

**Data Sheet**  
**6.803-003.0**  
 Magnetic field tester  
 Usage: Tool for the function test of magnetic coils, e.g. solenoid valves  
 Barcode: 68030030  
 Sticker Pegboard: 6.803-003.0  
 Hook Pegboard: 25...40mm

# Kärcher Special Tools Peg Board



- Systematic arrangement - overview  
Peg Board

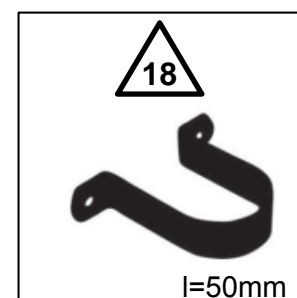
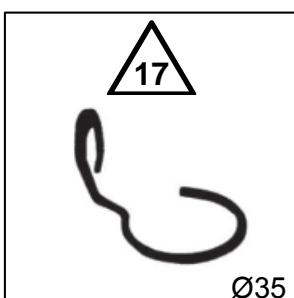
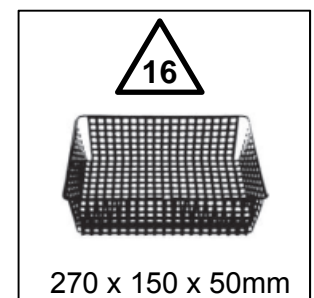
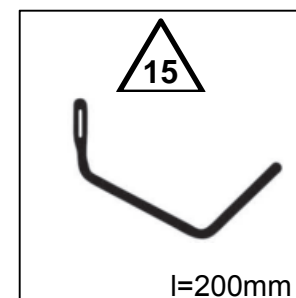
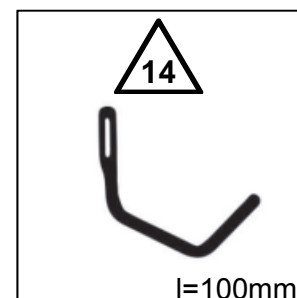
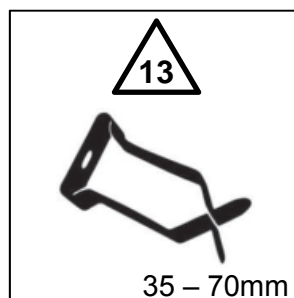
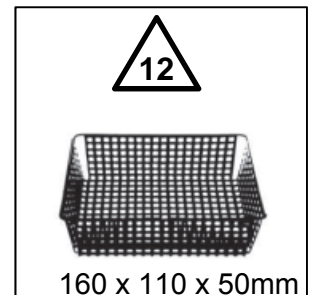
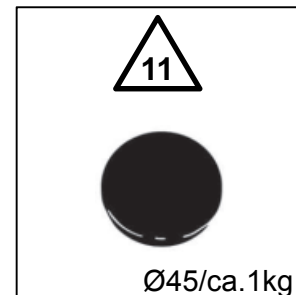
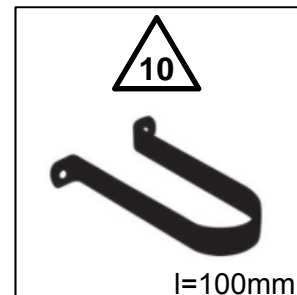
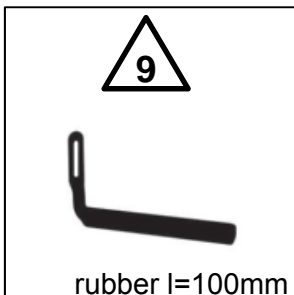
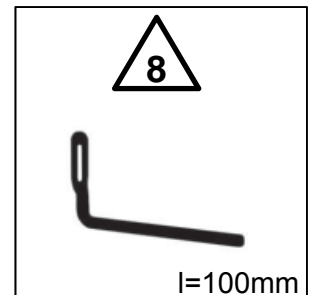
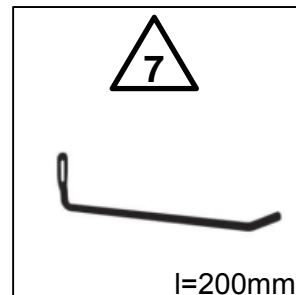
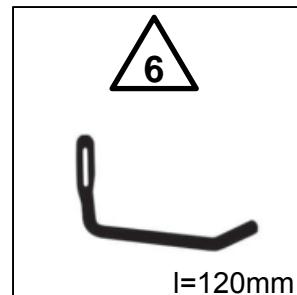
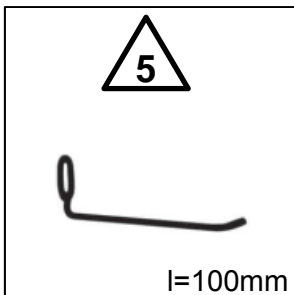
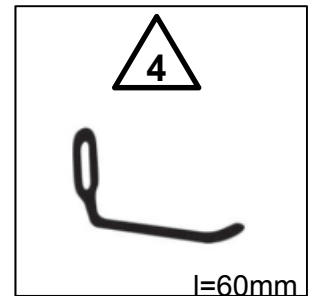
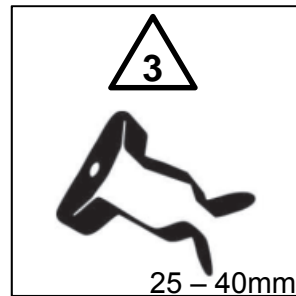
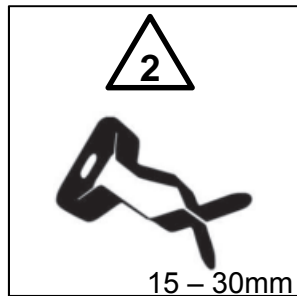
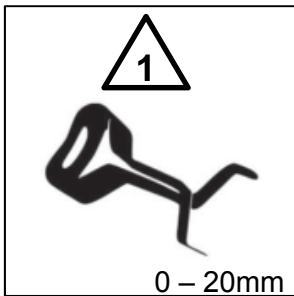


# Special Tools Peg Board




No.	Description	Info	Picture
<b>0.023-850.0</b>	<p>Set 1 : Tools display rack, basis (HD/HDS/T/NT/H&amp;G) without tools</p> <p>3 pcs. Peg Board 1050 x 1000 x 2 mm; 3 pcs. Header with Kärcher logo; 3 pcs. Foil sheets with 107 pcs of labels 70 x 75 mm; 120 pcs. Magnetic stickers 70 x 75 mm; Set of Hooks; Without tools!!</p>		
<b>0.023-855.0</b>	<p>Tools package for Set 1</p> <p>107pcs. Of Special tools fitting to Set 1 for repairing HD/HDS/T/NT/H&amp;G</p> <p>Find details at page 44</p>		
<b>0.023-851.0</b>	<p>Set 2 : Tools display rack, extension 1 (BR/KM) without tools</p> <p>1 x Peg Board 1050 x 1000 x 2 mm; 1 x Header with Kärcher logo; 1 x Foil sheets with 11 x labels 70 x 75 mm; 15 x Magnetic stickers 70 x 75 mm; Set of Hooks; Without tools!!</p>		
<b>0.023-856.0</b>	<p>Tools package for Set 2</p> <p>11pcs. of special tools fitting to Set 2 for repairing BR/KM</p> <p>Find details at page 47</p>		
<b>0.023-852.0</b>	<p>Set 3 : Tools display rack, extension 2 (MIC/IB) without tools</p> <p>1 x Peg Board 1050 x 1000 x 2 mm; 1 x Header with Kärcher logo ; 1 x Foil sheets with 7 x labels 70 x 75 mm; 10 x Magnetic stickers 70 x 75 mm; Set of Hooks; Without tools!!</p>		
<b>0.023-857.0</b>	<p>Tools package for Set 3</p> <p>7 pcs. Of Special tools fitting to Set 3 for repairing MIC/IB</p> <p>Find details at page 48</p>		

- Overview Hooks















# Filling and emptying



No.	Description	Info	Picture
<b>6.417-023.0</b> 	Grease gun - DIN71412  For greasing lubricating points		
<b>2.851-290.0</b> 	Add-on kit filling system hydraulic oil  For filling the hydraulic system		
<b>4.901-090.0</b> 	Filling funnel -WRP  Funnel for filling in filter sand		
<b>4.063-132.0</b> 	Cover separator -WRP  For vacuuming off the filter sand from a barrel by means of a NT		
<b>6.902-051.0</b> 	Intermediate ring separator - WRP  Intermediate ring, in order to place 4.063- 132.0 onto 200 l barrel		













No.	Description	Info	Picture
<b>5.035-344.0</b> 	Key yellow KIK  User key for using the appliance		
<b>5.035-337.0</b> 	Key red KIK  Service key for inspection of the appliance		
<b>5.035-348.0</b> 	Key grey KIK  Supervisor key for using the appliance		
<b>5.035-943.0</b> 	KIK-Key yellow KM  User key for using the appliance		
<b>5.035-945.0</b> 	KIK-Key red KM  Service key for inspection of the appliance		
<b>5.035-944.0</b> 	KIK-Key grey KM  Supervisor key for using the appliance		
















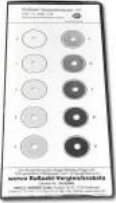








No.	Description	Info	Picture
<b>6.631-000.0</b> 	Test control unit robot station - RC3000  For checking the functionality of the robot station		
<b>6.648-857.0</b> 	Test control unit battery charger simula  Simulation of the charge and suction unit		
<b>6.648-853.0</b> 	Cable interface -RC3000  Interface cable for hardware check (SEDIS)		
<b>6.630-345.0</b> 	Inspection software - SEDIS,RC3000  For checking the functionality of the appliance - to download in Kärcher Inside		
<b>2.816-117.0</b> 	Service module A9  For loading or reading software		
<b>6.682-895.0</b> 	Service module  Connecting module between laptop and machine		

No.	Description	Info	Picture
<b>4.822-526.0</b> 	Test cable service module  Connection cable between service module and machine		
<b>6.600-338.0</b> 	D-SUB Data cable nine-pole plug-jack  Extension for interface cable, 180 cm		
<b>5.953-324.0</b> 	CD service program  Software for installing the service programme		
<b>9.659-537.0</b> 			
<b>9.655-468.0</b> 			
<b>4.422-065.0</b> 	Service plug -IB  Plug for permanently switching on the jet function		





























No.	Description	Info	Picture
<b>4.822-417.0</b> 	Bus cable set Bus-Kabelset 2 St. per 200  Cable for checking the bus cables		
<b>4.822-866.0</b> 	Connection cable service interface  Connection service module with laptop		
<b>6.600-337.0</b> 	USB-Cable  Connection cable between PC and appliance		
<b>6.600-517.0</b> 	Test cable Kompact CP2  Connection cable between service module and machine		
<b>6.640-339.0</b> 	Interface cable WPD 100  Interface cable WPD laptop for software updates		
<b>6.642-120.0</b> 	Bus cable 800mm  Connection cable between the modules		

No.	Description	Info	Picture
<b>6.643-836.0</b> 	Data cable  Cable software update for K-flash		
<b>6.649-065.0</b> 	Cable  Data cable for BT		
<b>6.682-559.0</b> 	Data cable  Data cable for TSX		
<b>6.682-560.0</b> 	Data cable  Data cable for XBT		
<b>6.682-808.0</b> 	Cable configuration control panel UniOP  For connecting the plant control and the service control station		









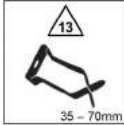



No.	Description	Info	Picture
<b>6.775-001.0</b>  	Soot pump  Tool for measuring the soot number in the exhaust of HDS appliances		
<b>6.775-003.0</b> 	SOOT FORMATION SCALE  Soot number comparison table		
<b>6.775-002.0</b> 	Paper filter  Filter paper for soot pump		
<b>6.491-361.0</b> 	RPM Meter mechanical  For measuring the speed		
<b>6.803-012.0</b> 	RPM Meter digital  Digital rev counter (all petrol and LPG engines)		
<b>4.742-025.0</b>  	Test pressure gauge 0-250 bar  Test equipment for the set system pressure		








No.	Description	Info	Picture
<b>4.742-040.0</b>  	Test pressure gauge 0-80MPa/800bar  Test manometer 0-800 bar (for HD 9/50; 13/35)		
<b>4.901-035.0</b>  	Negative pressure measuring instrument 1  Tool for measuring the vacuum on the vacuum cleaners		
<b>6.421-224.0</b>  	Pressure gauge digital 0-600bar  Pressure gauge for measuring the pressure		
<b>4.901-060.0</b>  	Pressure gauge fuel pressure  For measuring the fuel pressure of all HDS appliances		
<b>4.422-064.0</b>  	Pressure gauge with plug nipple 2,5MPa  Test manometer for leakage test		
<b>6.645-197.0</b> 	Holder pressure gauge and pressure reduc  Test device for leakage test		














No.	Description	Info	Picture
<b>6.390-608.0</b> 	High pressure hose for pressure gauge 63  For connecting the pressure gauge and measuring adapter		
<b>4.901-065.0</b> 	COUPLING PART  For connecting the pressure gauge and measuring adapter		
<b>6.473-400.0</b>  	Pneumatic vacuum pump - 1bar  For checking the vacuum		
<b>4.580-034.0</b>  	Stop valve  Stop valve to 2.901-030.0 for regulating the pressure and for checking the water volume		
<b>6.803-029.0</b> 	Conductivity measuring instrument  For checking the osmosis water		
<b>6.768-355.0</b> 	Check kit pH-value  Test set for determining the pH-value of water, detergents, etc.		















No.	Description	Info	Picture
<b>6.768-354.0</b> 	Check kit peracetic acid 0-50mg/l  Set for checking the peracetic proportion in the water (indicator strips)		
<b>6.803-015.0</b>  	Battery hydrometer 1,10-1,30kg/l  For checking the acid density of wet batteries		
<b>6.768-004.0</b> 	Hardness indicator A  For the measurement of the gross water hardness		
<b>6.768-003.0</b> 	Hardness indicator B  For the measurement of the residual water hardness		
<b>6.419-070.0</b> 	Antifreeze tester Antifrogen N  For the determination of the anti-freeze proportion in the floor heating (Antifrogen N)		
<b>2.639-387.0</b> 	Hydraulic service set 0-250bar  For measuring the pressure in the hydraulic system		








No.	Description	Info	Picture
<b>2.642-462.0</b> 	Hydraulic measuring kit service MC50  Adapter connections for platform C		
<b>2.642-856.0</b> 	Service kit hydraulic KM Industrial  For a pressure test in the hydraulic system		
<b>6.803-003.0</b>  	Magnetic field tester  Tool for the function test of magnetic coils, e.g. solenoid valves		
<b>5.901-137.0</b>  	Test fixture M18x1  Tool for the examination of the circuit pressure (HDS 755/795/995/1295), in connection with 6.389-635 and 6.421-103		
<b>6.645-199.0</b> 	Adapter for leakage test SPP 33		
<b>6.645-200.0</b> 	Adapter for leakage test SPP 56&60		<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Keine Abbildung verfügbar /                          no image available /                          pas d'image disponible /                          ninguna imagen disponible /                          Иллюстрации нет</p> </div>

No.	Description	Info	Picture
<b>6.682-951.0</b> 	Interface adapter RS232,HDC  Interface adapter for the control HDC Classic		
<b>4.421-739.0</b>  	Adapter pipelines AVS- M22x1,5  Connection high-pressure hose M22x1.5 to plug connection D11 mm		
<b>4.422-063.0</b>  	Connecting piece -IB  Pressure gauge for measuring the jet pressure		
<b>5.116-199.0</b>  	Mounting plate brake  Mounting plate for the adjustment of the magnetic brake		
<b>4.403-002.0</b>  	Coupler -2xM22x1,5  For overriding the dismantled heating coil for cleaning		
<b>6.645-198.0</b>  	Adapter for leakage test SxP  Adapter for checking the tightness		

No.	Description	Info	Picture
<b>4.901-077.0</b>  	Jet destroyer  Jet destroyer for safe working while the high-pressure nozzle is installed		
<b>6.600-199.0</b> 	Power amplifier  Light barrier amplifier 24V DC		
<b>6.600-200.0</b> 	Power amplifier  Light barrier amplifier 230V AC		
<b>6.681-037.0</b> 	Hand multimeter V,dB,Ohm,F,Hz,C,Diode		
<b>6.803-001.0</b> 	ELEC TESTER		
<b>6.681-026.0</b> 	Measurement cables  Measuring lines for digital measuring device		

No.	Description	Info	Picture
<b>6.803-034.0</b> 	Test control unit Metrel MI 3309 Delta G		
<b>6.803-025.0</b> 	Voltage regulator discharge protection  Voltage regulator for checking the total discharge protection setting		
<b>6.803-022.0</b> 	Clamp meter AC/DC,A,V,Ohm		
<b>3.900-003.0</b>  	Testing thermometer  Test thermometer to 2.901-030.0 for measuring the water temperature		
<b>2.901-030.0</b> 	Tool temperature gauge stop cock HD/HDS  Test device for water output temperature and water volume		
<b>6.423-029.0</b>  	Temperature gauge exhaust gas measuremen  Tool for measuring the exhaust gas temperature of HDS appliances		

No.	Description	Info	Picture
<b>6.491-359.0</b> 	Ignition spark tester  For checking the ignition spark (all petrol and LPG engines)		
<b>6.491-360.0</b>   0-20mm	Tool adjustment motor  Tool for adjusting the idling speed on Briggs&Stratton engine		


# Assembly-/dismounting tool



No.	Description	Info	Picture
<b>2.642-573.0</b>  	Extraction tool articulated joint  For pulling the bearing off the articulated joint		
<b>2.860-166.0</b>  	Toolkit steering wheel blower ICC1/ICC2  Puller for steering wheel ICC		
<b>4.640-038.0</b>  	Tool - extractor diaphragm RO- Filter  Lever for dismantling membranes (WPC/WTC)		
<b>4.640-079.0</b>  	Auxiliary angle tool - extractor membran  Auxiliary angle section for dismantling membranes (WPC/WTC)		
<b>4.901-038.0</b>  	Tool - extractor wobble plate  For disassembly of the swash plate M30 x 1.5		
<b>4.901-053.0</b>  	Tool - extractor wobble plate  For disassembly of the swash plate M34 x 1.5		



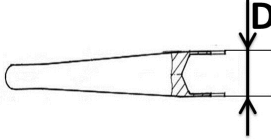



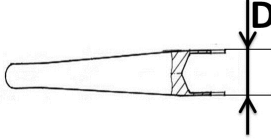



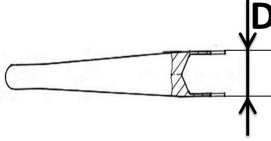



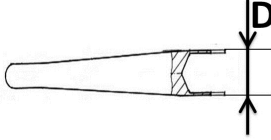


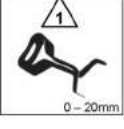
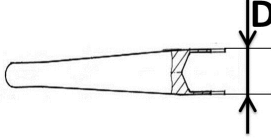



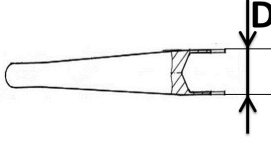

# Assembly-/dismounting tool



No.	Description	Info	Picture
<b>4.901-054.0</b>  	Tool valve seat excess-current  Tool for the assembly/disassembling of the overflow valve seat - K570; K695; HD appliances of the middle and super class		
<b>6.815-019.0</b>  	Tool - extractor blower wheel 22x10mm  For disassembly of the fan wheel		
<b>6.816-069.0</b>  	Tool - extractor  Two-arm extractor for fan wheel		
<b>6.815-010.0</b>  	Tool - extractor -Size 2  Two-arm extractor for fan wheels and flange bearings		
<b>4.122-130.0</b>  	Flange tool - extractor  For transmission, shafts and flanges for CB (with spindle)		
<b>5.901-069.0</b>  	Support mandrel D=6,6mm  Tool for the assembly of O-ring on the piston		

# Assembly-/dismounting tool







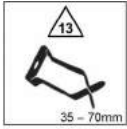





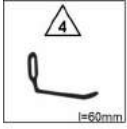





No.	Description	Info	Picture
<b>5.901-047.0</b>  	Support mandrel D=6,7mm  Tool for the assembly of O-ring on the piston		
<b>5.901-076.0</b>  	Support mandrel D=9,0mm  Tool for the assembly of O-ring/support ring on the piston of the overflow valve		
<b>5.901-163.0</b>  	Support mandrel D=9,4mm  Tool for the assembly of O-ring on the piston		
<b>5.901-048.0</b>  	Support mandrel D=11mm  Tool for the assembly of O-ring on the piston		
<b>5.901-102.0</b>  	Support mandrel D=11mm  Tool for the assembly of O-ring on the piston		
<b>5.901-127.0</b>  	Support mandril D=11,1mm  Tool for the assembly of O-ring/support ring on the piston in the overflow passage		



No.	Description	Info	Picture
<b>5.901-109.0</b>  	Support mandrel D=13,5mm  Tool for the assembly of O-ring on the piston		
<b>5.901-104.0</b>  	Support mandrel D=18,7mm  Tool for the assembly of O-ring on the piston		
<b>6.815-159.0</b>  	Internal puller D5-8mm  Tool for the disassembly of valve seats etc., D5-8 mm		
<b>6.815-029.0</b>  	Internal puller D8-12mm  Tool for the disassembly of valve seats etc., D8-12 mm		
<b>6.815-023.0</b>  	Internal puller D=12-16mm  Tool for the disassembly of valve seats etc., D12-16 mm		
<b>6.815-013.0</b>  	Internal puller D14-19mm  Tool for the disassembly of valve seats etc., D14-19 mm		






# Assembly-/dismounting tool





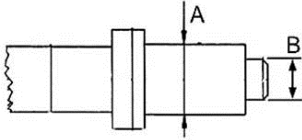



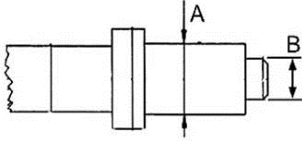



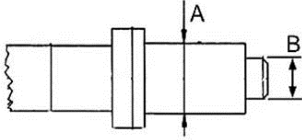


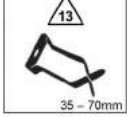
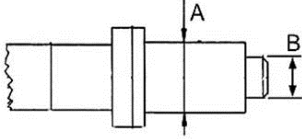



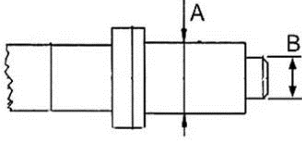



No.	Description	Info	Picture
<b>6.815-008.0</b>  	Internal puller D20-30mm  Tool for the disassembly of valve seats etc., D20-30 mm		
<b>6.815-007.0</b>  	Internal puller D28-40mm  Removal tool for the disassembly of valve seats D28 - 40 mm		
<b>6.815-009.0</b>  	Countersupport internal puller  Counter support for interior extractor		
<b>5.901-003.0</b>  	Extraction tool  Removal tool for high-pressure/low-pressure seal sets		
<b>5.900-010.0</b>  	Mounting bolt main column TB  Auxiliary tool for installation TB		
<b>5.900-011.0</b>  	Mounting bolt auxiliary column TB  Auxiliary tool for installation TB		

# Assembly-/dismounting tool



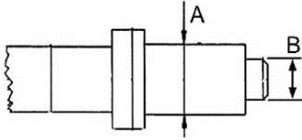



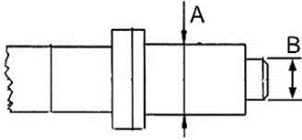


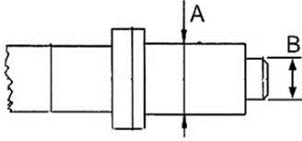



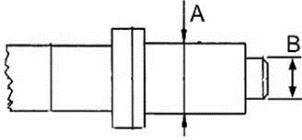



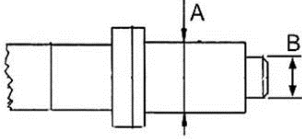



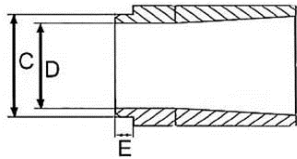



No.	Description	Info	Picture
<b>7.304-033.0</b>  	Hexagonal head screw M 8X100-A4-70 ISO 4  Screw M8x100 for assembly and disassembly of the piston guide		
<b>7.304-408.0</b>  	Hexagonal head screw M 8x80-8.8-A2E ISO  Screw M8x80 for assembly and disassembly of the piston guide		
<b>7.304-434.0</b>  	Hexagonal head screw M12x90-8.8-A3E ISO  Screw M12x90 for assembly and disassembly of the piston guide		
<b>7.304-467.0</b>  	Hexagonal head screw M 6X110-8.8-A2E DIN  Screw M6x110 for assembly and disassembly of the piston guide		
<b>7.304-529.0</b>  	Hexagonal head screw M12x50 -A4-70 ISO 4  Screw M12x50 for disassembly of the suction valve sleeves		
<b>7.307-355.0</b>  	Threaded pin M 8X 16-A2-21H ISO 4029  HDR ET adapter stirring axle		

No.	Description	Info	Picture
<b>5.574-073.0</b> 	Bolt disassembly tool -TB  For the disassembly of flanged shaft TB		
<b>5.901-141.0</b>  	Assembly mandril A=19,8mm; B=11,5mm  Tool for the assembly of the grooved ring		
<b>5.314-149.0</b>  	Assembly mandril A=23,6; B=13,5mm  Tool for the assembly of the high-pressure/low-pressure seals, for piston D14 mm		
<b>5.901-124.0</b>  	Assembly mandril A=21,6mm; B=14mm  Tool for the assembly of the grooved ring		
<b>6.815-229.0</b>  	Assembly mandril A=25,6; B=15,5mm  Tool for the assembly of the high-pressure and low-pressure seals, for piston D16 mm		
<b>5.901-106.0</b>  	Assembly mandril A=23,5mm; B=16mm  Tool for the assembly of the high-pressure seal and oil seal, for piston D16 mm		

No.	Description	Info	Picture
<b>5.901-062.0</b>  	Assembly mandril A=25,5mm;B=18mm  Tool for the assembly of the high-pressure seal and oil seal, for piston D18 mm		
<b>5.901-055.0</b>  	Assembly mandril A=27,6mm;B=19,5mm  Tool for the assembly of high-pressure seals and oil seals, for piston D20 mm		
<b>6.815-210.0</b>  	Assembly mandril A=31,6;B=21,5mm  Tool for the assembly of the high-pressure and low-pressure seals, for piston D22 mm (HD 22/15; HDC)		
<b>5.901-064.0</b>  	Assembly mandril A=29,2mm;B=21,6mm  Tool for the assembly of the grooved ring		
<b>5.901-018.0</b>  	Assembly mandril A=29,8;B=22mm  For the assembly of high-pressure seals and oil seals on 907 pump		
<b>5.317-246.0</b>  	Assembly mandril A=33,8;B=22mm  Assembly tool oil side shaft seal HD-C		



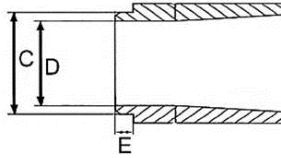



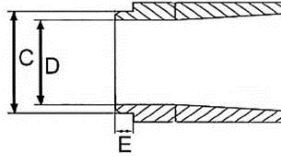



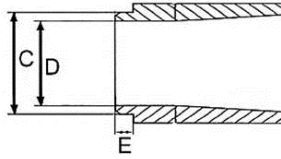



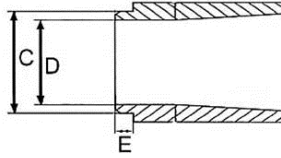



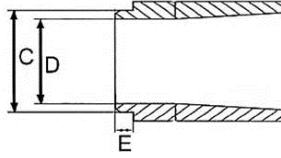



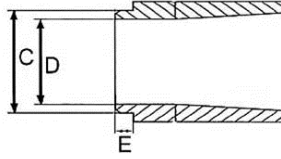

No.	Description	Info	Picture
<b>6.815-223.0</b>  	Assembly mandril A=33,8mm;B=22mm  Tool for the assembly of the oil seal, for piston D22 mm		
<b>5.901-078.0</b> 	Assembly mandril A=33,2;B=23,6mm  For assembly of the grooved rings 6.367-347.0 on the oil side		
<b>6.815-211.0</b>  	Assembly mandril A=34,6mm;B=24,5mm  Tool for the assembly of the high-pressure and low-pressure seals, for piston D25 mm (HD 25/15; HDC Adv.)		
<b>5.901-217.0</b>  	Assembly mandril A=25mm  Tool for the assembly of the grooved ring		
<b>6.815-258.0</b>  	Assembly mandril A=30mm;B=25mm  Tool for the assembly of the grooved ring		
<b>5.901-195.0</b>  	Assembly mandril A=27mm  Tool for the assembly of the grooved ring		



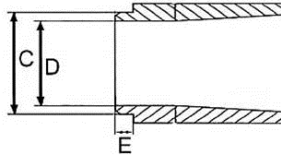


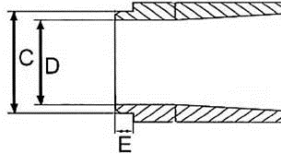


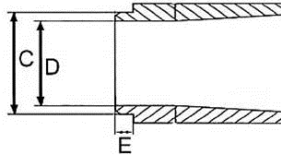


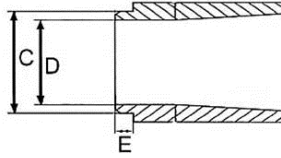



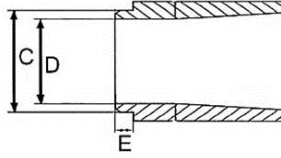



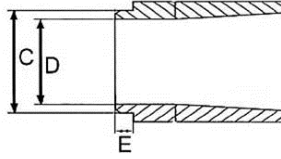

No.	Description	Info	Picture
<p><b>6.815-212.0</b></p>  	<p>Assembly mandril A=37,6;B=27,5mm</p> <p>Tool for the assembly of the high-pressure and low-pressure seals, for piston D22 mm (HD 60/6 2K)</p>		
<p><b>5.901-146.0</b></p>  	<p>Assembly mandril rotary shaft seal</p> <p>Oil side seal HD-C HD 3000/6000 C</p>		
<p><b>5.317-242.0</b></p> 	<p>Assembly mandril A=36;B=28mm</p> <p>Assembly tool oil side shaft seal HD-C (swash-plate pump)</p>		
<p><b>5.901-216.0</b></p>  	<p>Assembly mandril A=29mm</p> <p>Tool for the assembly of the grooved ring</p>		
<p><b>6.815-257.0</b></p>  	<p>Assembly mandril A=32mm</p> <p>Tool for the assembly of the grooved ring</p>		
<p><b>5.901-143.0</b></p>  	<p>Fitting case C=23,8;D=19,9;E=3mm</p> <p>Tool for the assembly of the grooved ring</p>		


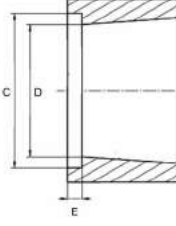



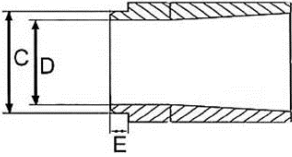



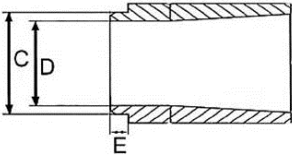








No.	Description	Info	Picture
<b>5.901-181.0</b>  	Fitting case $C=27,5; D=19,9; E=7,5\text{mm}$  Tool for the assembly of the high-pressure seal, for piston D12 mm		
<b>5.901-123.0</b>  	Fitting case $C=28; D=21,7; E=12\text{mm}$  Tool for the assembly of the grooved ring		
<b>5.901-105.0</b>  	Fitting case $C=30; D=23,7; E=12\text{mm}$  Tool for the assembly of the high-pressure seal, for piston D16 mm		
<b>5.111-128.0</b>  	Fitting case $C=42; D=23,7; E=26\text{mm}$  Tool for the assembly of the high-pressure seal, for piston D14 mm		
<b>5.901-118.0</b>  	Fitting case $C=33,9; D=25,7; E=12\text{mm}$  Tool for the assembly of the high-pressure seal, for piston D18 mm		
<b>6.815-228.0</b>  	Fitting case $C=42; D=25,7; E=26\text{mm}$  Tool for the assembly of the high-pressure seal, for piston D16 mm (HD 13/35)		



No.	Description	Info	Picture
<b>5.901-218.0</b>  	Fitting case C=31;D=25,8;E=7mm  Tool for the assembly of the grooved ring		
<b>5.901-056.0</b>  	Fitting case C=35;D=27,7;E=3,5mm  Tool for the assembly of the high-pressure seal, for piston D20 mm		
<b>5.901-219.0</b>  	Fitting case C=34;D=27,7;E=9mm  Tool for the assembly of the grooved ring		
<b>5.901-135.0</b>  	Fitting case C=37,5;D=27,7;E=13,5mm  Tool for the assembly of the high-pressure seal, for piston D20 mm		
<b>5.901-193.0</b>  	Fitting case C=32;D=27,8;E=7mm  Tool for the assembly of the high-pressure seal, for piston D20 mm		
<b>5.901-194.0</b>  	Fitting case C=34;D=29,7;E=7mm  Tool for the assembly of the high-pressure seal, for piston D20 mm		



















No.	Description	Info	Picture
<b>5.901-065.0</b>  	Fitting case C=34,8;D=29,7;E=13,5mm  Tool for the assembly of the grooved ring		
<b>5.901-136.0</b>  	Fitting case C=37,9;D=29,7;E=13,5mm  Tool for the assembly of the high-pressure seal, for piston D22 mm		
<b>5.901-144.0</b>  	Fitting case C=39,9;D=29,7;E=7mm  Tool for the assembly of the grooved ring		
<b>5.901-220.0</b>  	Fitting case C=36;D=29,8;E=7mm  Tool for the assembly of the grooved ring		
<b>5.901-182.0</b>  	Fitting case C=34;D=30;E=13,5mm  Tool for the assembly of the high-pressure seal, for piston D20 mm		
<b>5.901-221.0</b>  	Fitting case C=38;D=31,7;E=9mm  Tool for the assembly of the grooved ring		



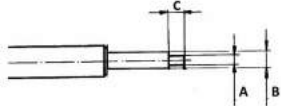



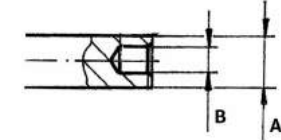















No.	Description	Info	Picture
<b>6.815-213.0</b>  	Fitting case C=42;D=31,7;E=26mm  Tool for the assembly of the high-pressure seal, for piston D22 mm		
<b>5.901-022.0</b> 	Fitting case C=37,9;D=31,8;E=7mm  Tool for the assembly of the high-pressure seal, for piston D20 mm		
<b>5.111-072.0</b> 	Fitting case C=40;D=32;E=11mm  Assembly tool oil side shaft seal HD-C (swash-plate pump)		
<b>5.901-077.0</b> 	Fitting case C=42;D=33;E=11mm  Tool for the assembly of the grooved ring		
<b>6.815-214.0</b>  	Fitting case C=42;D=34,7;E=26mm  Tool for the assembly of the high-pressure seal, for piston D25 mm		
<b>6.815-256.0</b>  	Fitting case C=39,8;D=35;E=25mm  Tool for the assembly of the grooved ring		

No.	Description	Info	Picture
<b>5.111-068.0</b> 	Fitting case C=42,1;D=36;E=4mm  Assembly tool oil side shaft seal HD-C (swash-plate pump)		
<b>6.815-215.0</b>  	Fitting case C=42;D=37,7;E=26mm  Tool for the assembly of the high-pressure seal, for piston D28 mm (HD 60/6 2K)		
<b>5.901-145.0</b>  	Fitting case C=42;D=38;E=11mm  Suitable for 5.901-146.0 high-pressure seal HD 3000/6000 C		
<b>4.901-098.0</b> 	Assembly tool complete UHP  Complete set of disassembly and assembly tools		
<b>4.901-074.0</b>  	Tightening device  Clamping device for disassembly of the Wapu pistons Plunger springs HD 3000/6000 C		
<b>2.901-049.0</b> 			

# Assembly-/dismounting tool



No.	Description	Info	Picture
<b>5.901-083.0</b>  	Mandril assembly valve seat	Tools for inserting the valve seat 5.581-086.0	
<b>5.901-084.0</b>  	Mandril caulking valve seat	Tool for press-fitting the valve seat 5.581-086.0	
<b>5.901-116.0</b>  	Assembly tool valve seat	Tool for the disassembly and assembly of the valve seat of the pressure/quantity regulation, e.g. HDS 690, HDS 890, HDS 990, HDS 790C,...	
<b>5.901-161.0</b>  	Mounting-/Dismounting tool valve seat	Tool for assembly and disassembly of the valve seat	
<b>4.901-069.0</b>  	Left-hand twist	Removal tool for disassembly of valve seats	
<b>5.901-082.0</b>  	Mandril disassembly valve seat	Tools for driving out the valve seat 5.581-086.0	

No.	Description	Info	Picture
<b>5.901-125.0</b>  	Disassembly tools A=2,9;B=4,9;C=5mm  Tool for the disassembly of the overflow valve seat, e.g. HDS 795, HDS 755, HDS 955, HDS 1295, ...		
<b>5.901-126.0</b>  	Assembly tool A=9,7;B=5mm  Tool for the assembly of the valve seat in the overflow passage , e.g. HDS 795, HDS 755, HDS 995, HDS 1295, ...		
<b>5.901-162.0</b>  	Assembly tool valve seat  Tool for the assembly of the valve seat in the overflow valve, e.g. compact class, ...		
<b>6.815-252.0</b> 	Hook spanner with nip  Assembly groove nut DIN1804, for D40-42 mm		
<b>4.901-046.0</b>  	Special wrench insert  Tool for loosening and tightening the pistons		
<b>4.901-047.0</b> 	Special wrench insert  Tool for loosening and tightening the pistons		















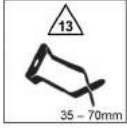
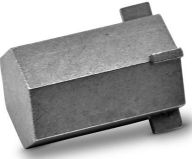
# Assembly-/dismounting tool



No.	Description	Info	Picture
<b>7.815-008.0</b> 	Hook spanner A45-50 DIN 1810  Hook spanner with lug for groove nuts		
<b>7.815-013.0</b> 	Hook spanner A58-62 DIN 1810  Hook spanner with lug for groove nuts		
<b>5.027-026.0</b>  	Steel bar  Bar steel for retightening the packing gland		
<b>6.815-088.0</b>  	Spark spanner  For the assembly of the spark plug		
<b>6.815-090.0</b>  	Torque spanner 2-25Nm  For fastening screws in accordance with torque specification		
<b>6.667-264.0</b>  	Oil filter key  For opening the oil filter		

# Assembly-/dismounting tool



No.	Description	Info	Picture
<b>5.873-009.0</b>  	Key cover -RC3000  For opening the appliance hood		
<b>5.901-140.0</b>  	Tool jet pipe -SB  Tool for replacing the nozzles on the high-pressure spray lance		
<b>6.686-004.0</b> 	Standpipe nut key  SB MU screw connection water distributor		
<b>6.815-162.0</b>  	Socket wrench slotted nut KM8  Assembly groove nut KM8-ST-8		
<b>6.815-032.0</b> 	Hexagon socket screw key set 8- parts  For fastening hexagon socket inch screws		
<b>6.815-209.0</b>  	Screw bit screw plug  Crown wrench for brass bush low- pressure seals		





# Assembly-/dismounting tool



No.	Description	Info	Picture
<b>6.815-253.0</b> 	Strap wrench  Tool with adjustable clamping range for mounting round parts with a large diameter		
<b>4.901-028.0</b> 	Face spanner  Tool for assembly or disassembly of the pistons		
<b>6.816-079.0</b> 	Tool box Inch  Inch design for assembly		
<b>4.901-062.0</b>  	Valve pliers  For the disassembly of pressure and suction valves, sieves, filters, etc.		
<b>4.901-099.0</b> 	Valve pliers long  For disassembly of the pressure and suction valves, especially SB wash		
<b>6.816-086.0</b>  	Pliers Molex  Removal tool for Molex plug		










## Assembly-/dismounting tool













No.	Description	Info	Picture
<b>6.816-094.0</b> 	Disconnect pliers  For clamping water, oil and fuel lines Example: Clamping the anti-freeze line in order to clean the sieve		

## Rolling and lifting device









No.	Description	Info	Picture
<b>2.851-043.0</b> 	Add-on kit support carriage complete -MC  For the removal of the waste container		
<b>4.900-006.0</b> 	Rolling device auxiliary column TB  For installation TB,CB and for repair work		
<b>4.900-011.0</b> 	Rolling and lifting device TB,CB  For installation TB,CB and for repair work		
<b>4.317-040.0</b> 	Transport roll  For setting up the SB-MB SKID version in the utility room		
<b>4.317-100.0</b> 	Adapter transport rollers SB MU for 4.317-040.0  For setting up SB MU plants		

No.	Description	Info	Picture
<b>6.816-091.0</b>  	Sheet metal deburrer  For removing sharp edges; replacement blades 6.816-092.0		
<b>6.816-092.0</b> 	Spare cutting discs HSS-E (cobalt steel) for 6.816-091.0		
<b>4.901-066.0</b>  	Heating coil milling cutter  For cleaning the heating coil connection cone		
<b>6.800-001.0</b> 	Case with cellular plastics inserts  Case for transporting parts for the service module		

# Kit 1 >> 0.023-855.0



6.775-001.0	Soot pump		6.816-069.0	Tool - extractor	
4.742-025.0	Test pressure gauge 0-250 bar		6.815-010.0	Tool - extractor -Size 2	
4.742-040.0	Test pressure gauge 0-80MPa/800bar		5.901-069.0	Support mandrel D=6,6mm	
4.901-035.0	Negative pressure measuring instrument 1		5.901-047.0	Support mandrel D=6,7mm	
6.421-224.0	Pressure gauge digital 0-600bar		5.901-076.0	Support mandrel D=9,0mm	
4.901-060.0	Pressure gauge fuel pressure		5.901-163.0	Support mandrel D=9,4mm	
4.580-034.0	Stop valve		5.901-048.0	Support mandrel D=11mm	
6.803-003.0	Magnetic field tester		5.901-102.0	Support mandrel D=11mm	
5.901-137.0	Test fixture M18x1		5.901-127.0	Support mandril D=11,1mm	
4.421-739.0	Adapter pipelines AVS-M22x1,5		5.901-109.0	Support mandrel D=13,5mm	
4.403-002.0	Coupler - 2xM22x1,5		5.901-104.0	Support mandrel D=18,7mm	
6.645-198.0	Adapter for leakage test SxP		6.815-159.0	Internal puller D5-8mm	
4.901-077.0	Jet destroyer		6.815-029.0	Internal puller D8-12mm	
3.900-003.0	Testing thermometer		6.815-023.0	Internal puller D=12-16mm	
2.901-030.0	Tool temperature gauge stop cock HD/HDS		6.815-013.0	Internal puller D14-19mm	
6.423-029.0	Temperature gauge exhaust gas measuremen		6.815-008.0	Internal puller D20-30mm	
4.901-038.0	Tool - extractor wobble plate		6.815-007.0	Internal puller D28-40mm	
4.901-053.0	Tool - extractor wobble plate		6.815-009.0	Countersupport internal puller	
4.901-054.0	Tool valve seat excess-current		5.901-003.0	Extraction tool	
6.815-019.0	Tool - extractor blower wheel 22x10mm		7.304-033.0	Hexagonal head screw M 8X100-A4-70 ISO 4	

























# Kit 1 >> 0.023-855.0














7.304-408.0	Hexagonal head screw M 8x80-8.8-A2E ISO		5.901-146.0	Assembly mandril rotary shaft seal	
7.304-434.0	Hexagonal head screw M12x90-8.8-A3E ISO		5.901-216.0	Assembly mandril A=29mm	
7.304-467.0	Hexagonal head screw M 6X110-8.8-A2E DIN		6.815-257.0	Assembly mandril A=32mm	
7.304-529.0	Hexagonal head screw M12x50 -A4-70 ISO 4		5.901-143.0	Fitting case C=23,8;D=19,9;E=3mm	
7.307-355.0	Threaded pin M 8X 16-A2-21H ISO 4029		5.901-181.0	Fitting case C=27,5;D=19,9;E=7,5mm	
5.901-141.0	Assembly mandril A=19,8mm;B=11,5mm		5.901-123.0	Fitting case C=28;D=21,7;E=12mm	
5.314-149.0	Assembly mandril A=23,6;B=13,5mm		5.901-105.0	Fitting case C=30;D=23,7;E=12mm	
5.901-124.0	Assembly mandril A=21,6mm;B=14mm		5.111-128.0	Fitting case C=42;D=23,7;E=26mm	
6.815-229.0	Assembly mandril A=25,6;B=15,5mm		6.815-228.0	Fitting case C=42;D=25,7;E=26mm	
5.901-106.0	Assembly mandril A=23,5mm;B=16mm		5.901-218.0	Fitting case C=31;D=25,8;E=7mm	
5.901-062.0	Assembly mandril A=25,5mm;B=18mm		5.901-056.0	Fitting case C=35;D=27,7;E=3,5mm	
5.901-055.0	Assembly mandril A=27,6mm;B=19,5mm		5.901-219.0	Fitting case C=34;D=27,7;E=9mm	
6.815-210.0	Assembly mandril A=31,6;B=21,5mm		5.901-135.0	Fitting case C=37,5;D=27,7;E=13,5mm	
5.901-064.0	Assembly mandril A=29,2mm;B=21,6mm		5.901-193.0	Fitting case C=32;D=27,8;E=7mm	
6.815-223.0	Assembly mandril A=33,8mm;B=22mm		5.901-194.0	Fitting case C=34;D=29,7;E=7mm	
6.815-211.0	Assembly mandril A=34,6mm;B=24,5mm		5.901-065.0	Fitting case C=34,8;D=29,7;E=13,5mm	
5.901-217.0	Assembly mandril A=25mm		5.901-136.0	Fitting case C=37,9;D=29,7;E=13,5mm	
6.815-258.0	Assembly mandril A=30mm;B=25mm		5.901-144.0	Fitting case C=39,9;D=29,7;E=7mm	
5.901-195.0	Assembly mandril A=27mm		5.901-220.0	Fitting case C=36;D=29,8;E=7mm	
6.815-212.0	Assembly mandril A=37,6;B=27,5mm		5.901-182.0	Fitting case C=34;D=30;E=13,5mm	

# Kit 1 >> 0.023-855.0



5.901-221.0	Fitting case C=38;D=31,7;E=9mm		5.901-140.0	Tool jet pipe - SB	
6.815-213.0	Fitting case C=42;D=31,7;E=26mm		6.815-209.0	Screw bit screw plug	
6.815-214.0	Fitting case C=42;D=34,7;E=26mm		4.901-062.0	Valve pliers	
6.815-256.0	Fitting case C=39,8;D=35;E=25mm		4.901-066.0	Heating coil milling cutter	
6.815-215.0	Fitting case C=42;D=37,7;E=26mm		0.023-855.0	Tools package for Set 1	
5.901-145.0	Fitting case C=42;D=38;E=11mm				
4.901-074.0	Tightening device				
5.901-083.0	Mandril assembly valve seat				
5.901-084.0	Mandril caulking valve seat				
5.901-116.0	Assembly tool valve seat				
5.901-161.0	Mounting-/Dismounting tool valve seat				
4.901-069.0	Left-hand twist				
5.901-082.0	Mandril disassembly valve seat				
5.901-125.0	Disassembly tools A=2,9;B=4,9;C=5mm				
5.901-126.0	Assembly tool A=9,7;B=5mm				
5.901-162.0	Assembly tool valve seat				
4.901-046.0	Special wrench insert				
5.027-026.0	Steel bar				
6.815-090.0	Torque spanner 2- 25Nm				
5.873-009.0	Key cover - RC3000				

# Kit 2 >> 0.023-856.0

6.491-538.0	Oil change pump	
6.491-361.0	RPM Meter mechanical	
6.473-400.0	Pneumatic vacuum pump - 1bar	
6.803-015.0	Battery hydrometer 1,10- 1,30kg/l	
5.116-199.0	Mounting plate brake	
6.491-359.0	Ignition spark tester	
6.491-360.0	Tool adjustment motor	
6.815-088.0	Spark spanner	
6.815-162.0	Socket wrench slotted nut KM8	
6.816-086.0	Pliers Molex	
6.816-091.0	Sheet metal deburrer	



# Kit 3 >> 0.023-857.0

2.851-290.0	Add-on kit filling system hydraulic oil	
4.422-065.0	Service plug - IB	
4.422-064.0	Pressure gauge with plug nipple 2,5MPa	
2.642-462.0	Hydraulic measuring kit service MC50	
4.422-063.0	Connecting piece - IB	
2.642-573.0	Extraction tool articulated joint	
2.860-166.0	Toolkit steering wheel blower ICC1/ICC2	
6.667-264.0	Oil filter key	