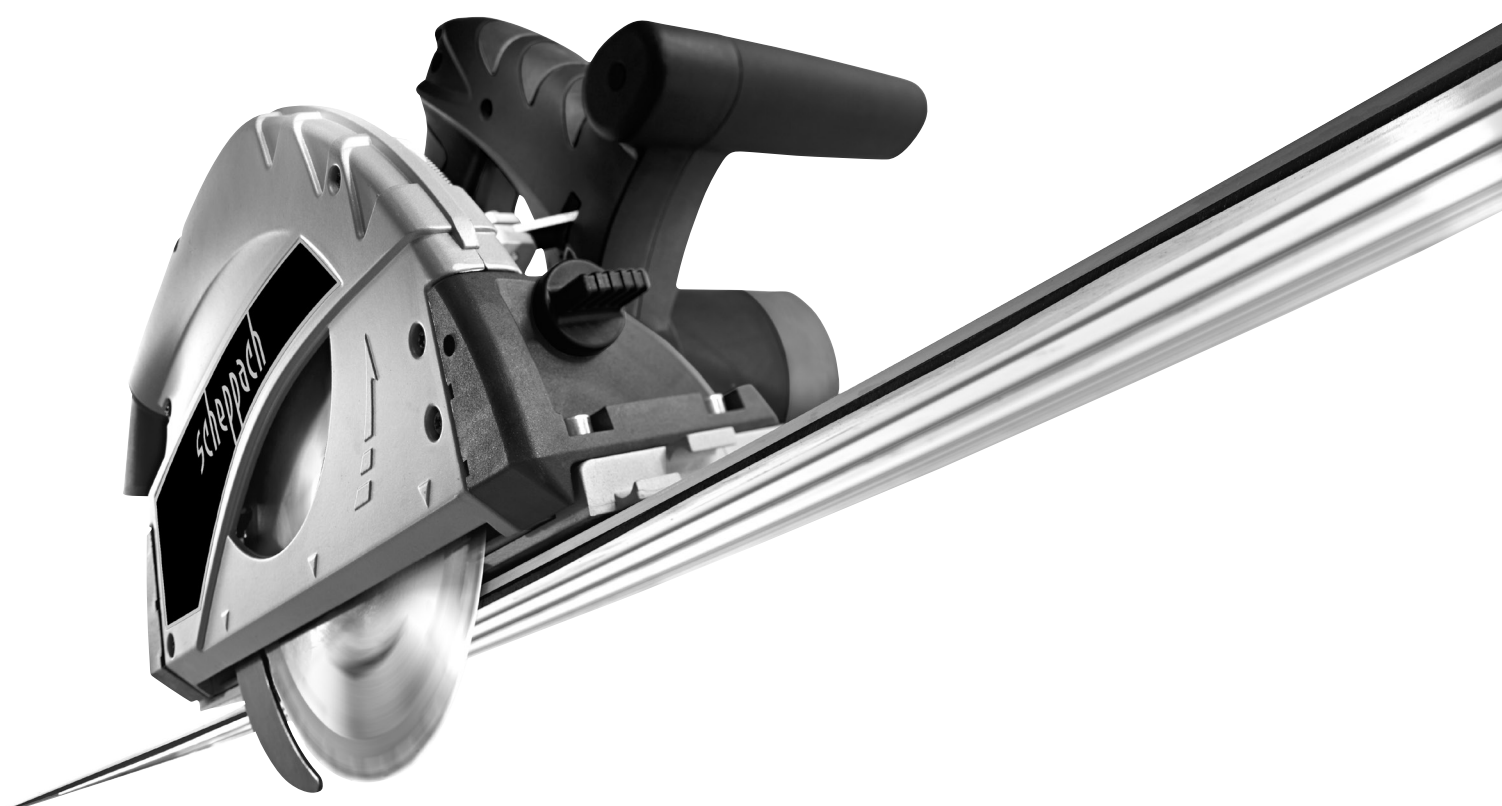


Art.Nr.
5801801985
AusgabeNr.
5801801850
Rev.Nr.
29/04/2016

























PL5500

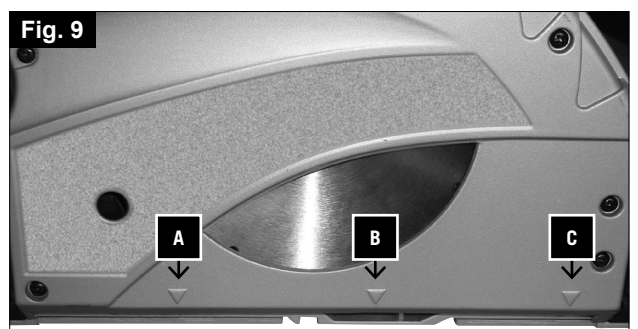
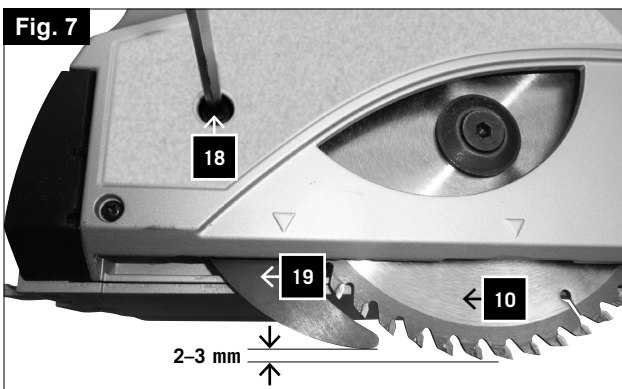
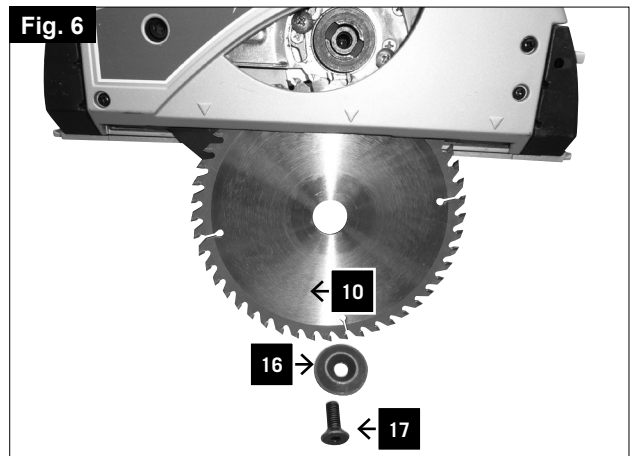
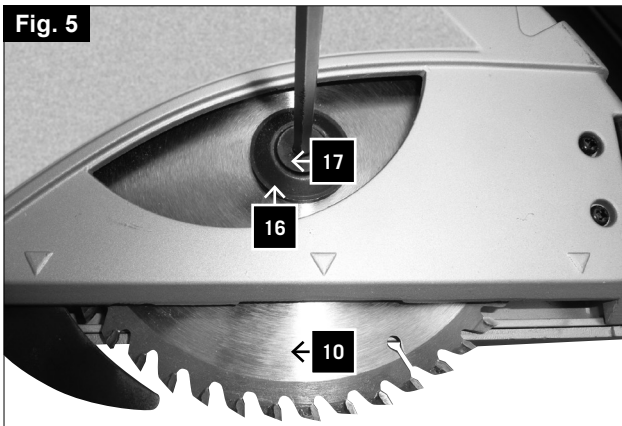
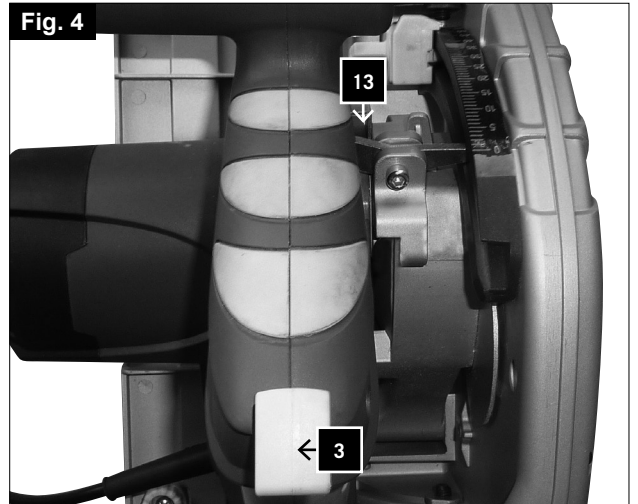
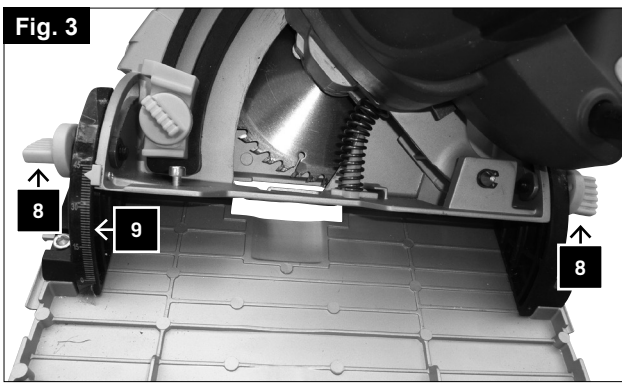
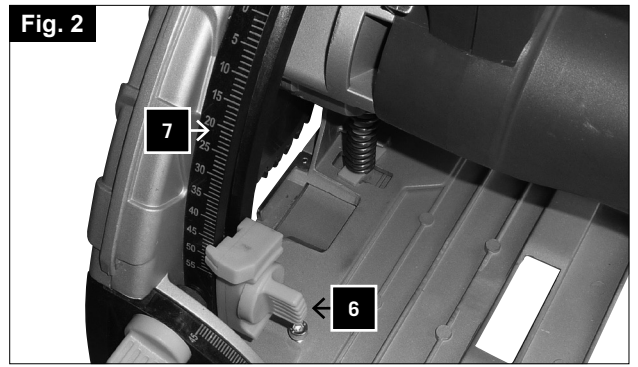
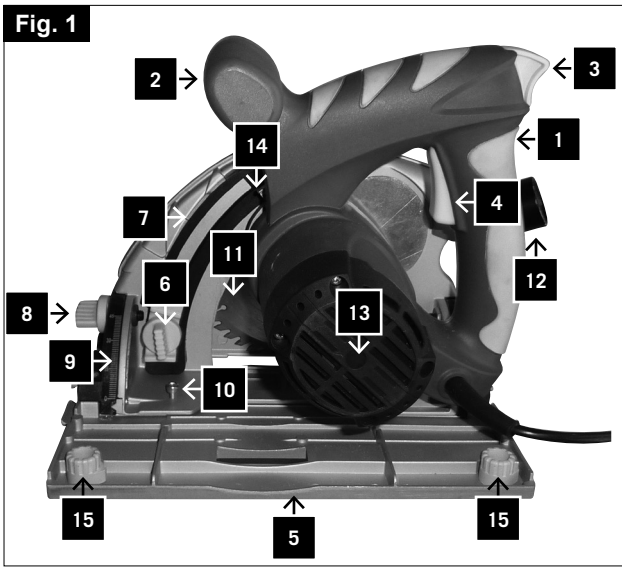
GB

Plunge Cut Saw







Translation from the original instruction manual

Nachdrucke, auch auszugsweise, bedürfen der Genehmigung. Technische Änderungen vorbehalten. Abbildungen beispielhaft!

<p>DE</p> 	<p>Nur für EU-Länder. Werfen Sie Elektrowerkzeuge nicht in den Hausmüll! Gemäß europäischer Richtlinie 2012/19/EU über Elektro- und Elektronik-Altgeräte und Umsetzung in nationales Recht müssen verbrauchte Elektrowerkzeuge getrennt gesammelt und einer umweltgerechten Wiederverwertung zugeführt werden.</p>	<p>SK</p> 	<p>Kun for EU-lande. Elvæktøj må ikke bortskaffes som almindeligt affald! I henhold til det europæiske direktiv 2012/19/EU om bortskaffelse af elektriske og elektroniske produkter og gældende national lovgivning skal brugt elvæktøj indsamles separat og bortskaffes på en måde, der skåner miljøet mest muligt.</p>
<p>GB</p> 	<p>Only for EU countries. Do not dispose of electric tools together with household waste material! In observance of European directive 2012/19/EU on wasted electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.</p>	<p>SI</p> 	<p>Samo za države EU. Električnega orodja ne odstranjujete s hišnimi odpadki! V skladu z Evropsko direktivo 2012/19/EU o odpani električni in elektronski opremi in z njenim izvajanjem v nacionalni zakonodaji je treba električna orodja ob koncu njihove življenjske dobe ločeno zbirati in jih predati v postopek okolju prijaznega recikliranja.</p>
<p>FR</p> 	<p>Pour les pays européens uniquement Ne pas jeter les appareils électriques dans les ordures ménagères! Conformément à la directive européenne 2012/19/EU relative aux déchets d'équipements électriques ou électroniques (DEEE), et à sa transposition dans la législation nationale, les appareils électriques doivent être collectés à part et être soumis à un recyclage respectueux de l'environnement.</p>	<p>HU</p> 	<p>Csak EU-oroszágok számára. Az elektromos kéziszerszámokat ne dobja a háztartási szeméttbe! A használt villamos és elektronikai készülékekről szóló 2012/19/EU irányelv és annak a nemzeti jogba való átültetése szerint az elhasznált elektromos kéziszerszámokat külön kell gyűjteni, és környezetbarát módon újra kell hasznosítani.</p>
<p>IT</p> 	<p>Solo per Paesi EU. Non gettare le apparecchiature elettriche tra i rifiuti domestici! Secondo la Direttiva Europea 2012/19/EU sui rifiuti di apparecchiature elettriche ed elettroniche e la sua attuazione in conformità alle norme nazionali, le apparecchiature elettriche esauste devono essere raccolte separatamente, al fine di essere reimpiegate in modo eco-compatibile.</p>	<p>HR</p> 	<p>Samo za EU-države. Električne alate ne odlažite u kućne otpatke! Prema Europskoj direktivi 2012/19/EU o starim električnim i elektroničkim strojevima i usklađivanju s hrvatskim pravom istrošeni električni alati moraju se sakupljati odvojeno i odvesti u pogon za reciklažu.</p>
<p>NL</p> 	<p>Allen voor EU-landen. Geef elektrisch gereedschap niet met het huisvuil mee! Volgens de Europese richtlijn 2012/19/EU inzake oude elektrische en elektronische apparaten en de toepassing daarvan binnen de nationale wetgeving, dient gebruikt elektrisch gereedschap gescheiden te worden ingezameld en te worden afgevoerd naar een recycle bedrijf dat voldoet aan de geldende milieu-eisen.</p>	<p>CZ</p> 	<p>Jen pro státy EU. Elektrické nářadí nevyhazujte do komunálního odpadu! Podle evropské směrnice 2012/19/EU o nakládání s použitými elektrickými a elektronickými zařízeními a odpovídajících ustanovení právních předpisů jednotlivých zemí se použité elektrické nářadí musí sbírat odděleně od ostatního odpadu a podrobit ekologicky šetrnému recyklování.</p>
<p>ES</p> 	<p>Sólo para países de la EU ¡No deseche los aparatos eléctricos junto con los residuos domésticos! De conformidad con la Directiva Europea 2012/19/EU sobre residuos de aparatos eléctricos y electrónicos y su aplicación de acuerdo con la legislación nacional, las herramientas eléctricas cuya vida útil haya llegado a su fin se deberán recoger por separado y trasladar a una planta de reciclaje que cumpla con las exigencias ecológicas.</p>	<p>PL</p> 	<p>Tylko dla państw UE. Proszę nie wyrzucać elektronarzędzi wraz z odpadami domowymi! Zgodnie z europejską Dyrektywą 2012/19/EU dot. zużytego sprzętu elektrycznego i elektronicznego oraz odpowiednikiem w prawie narodowym zużyte elektronarzędzia muszą być oddzielnie zbierane i wprowadzane do ponownego użytku w sposób nieszkodliwy dla środowiska.</p>
<p>PT</p> 	<p>Apenas para países da UE. Não deite ferramentas eléctricas no lixo doméstico! De acordo com a directiva europeia 2012/19/EU sobre ferramentas eléctricas e electrónicas usadas e a transposição para as leis nacionais, as ferramentas eléctricas usadas devem ser recolhidas em separado e encaminhadas a uma instalação de reciclagem dos materiais ecológica.</p>	<p>RO</p> 	<p>Numai pentru țările din UE. Nu aruncați echipamentele electrice la fel ca reziduurile menajere! Conform Directivei Europene 2012/19/EU privitoare la echipamente electrice și electronice scoase din uz și în conformitate cu legile naționale, echipamentele electrice care au ajuns la finalul duratei de viață trebuie să fie colectate separat și trebuie să fie predate unei unități de reciclare.</p>
<p>SE</p> 	<p>Gäller endast EU-länder. Elektriska verktyg får inte kastas i hushållssoporna! Enligt direktivet 2012/19/EU som avser äldre elektrisk och elektronisk utrustning och dess tillämpning enligt nationell lagstiftning ska uttjänta elektriska verktyg sorteras separat och lämnas till miljövänlig återvinning.</p>	<p>EE</p> 	<p>Kehtib vaid EL maade suhtes. Ärge kasutage elektritööriistu koos majapidamisjäätmetega! Vastavalt EU direktiivile 2012/19/EU elektri- ja elektroonikaseadmete jäätmete osas ja kooskõlas igas riigis kehtivate seadustega, kehtib kohustus koguda kasutatud elektritööriistad eraldi kokku ja suunata need keskkonnasõbralikku taasringlusesse.</p>
<p>FI</p> 	<p>Koskee vain EU-maita. Älä hävittä sähkötyökalua tavallisen kotitalousjätteen mukana! Vanhoja sähkö- ja elektroniikkalaitteita koskevan EU-direktiivin 2012/19/EU ja sen maakohtaisten sovellusten mukaisesti käytetyt sähkötyökalut on toimitettava ongelmajätteen keräyspisteeseen ja ohjattava ympäristöystävälliseen kierrätykseen.</p>	<p>LV</p> 	<p>Tikai attiecībā uz ES valstīm. Neutilizējiet elektriskas ierīces kopā ar sadzīves atkritumiem! Ievērojot Eiropas Direktīvu 2012/19/EU par elektrisko un elektronisko iekārtu atkritumiem un tās ieviešanu saskaņā ar nacionālo likumdošanu, elektriskas ierīces, kas nokalpojušas savu mūžu, ir jāsavāc daļiņi un jāatgriež videi draudzīgās pārstrādes vietās.</p>
<p>NO</p> 	<p>Kun for EU-land. Kast aldri elektroverktøy i husholdningsavfallet! I henhold til EU-direktiv 2012/19/EU om kasserte elektriske og elektroniske produkter og direktivets iverksettning i nasjonal rett, må elektroverktøy som ikke lenger skal brukes, samles separat og returneres til et miljøvennlig gjenvinningsanlegg.</p>	<p>LT</p> 	<p>Tik ES šalims. Nemesti elektros prietaisų kartu su kitomis namų ūkio atliekomis! Pagal Europos Sąjungos direktyvą 2012/19/EU dėl elektros ir elektroninės įrangos atliekų ir jos vykdymo pagal nacionalinius įstatymus elektros įrankius, kurių tinkamumo naudoti laikas pasibaigė, reikia surinkti atskirai ir perduoti aplinkai nekenksmingo pakartotinio perdirbimo įmonei.</p>
<p>DK</p> 	<p>Kun for EU-lande. Elvæktøj må ikke bortskaffes som almindeligt affald! I henhold til det europæiske direktiv 2012/19/EU om bortskaffelse af elektriske og elektroniske produkter og gældende national lovgivning skal brugt elvæktøj indsamles separat og bortskaffes på en måde, der skåner miljøet mest muligt.</p>	<p>IS</p> 	<p>Aðeins fyrir lönd ESB: Ekki henda rafmagnstækjum með heimilisúrgangni! Í fylgni við evrópsku tilskipunina 2012/19/EU um fargaðan rafbúnað og rafrænan búnað og framkvæmd þess í samræmi við innlend lög, verða rafmagnstæki sem úr sér gengin.</p>



Explanation of the symbols on the equipment

	 GB	Caution - Read the operating instructions to reduce the risk of injury
	 GB	Wear safety goggles!
	 GB	Wear ear-muffs!
	 GB	Wear a breathing mask!
	 GB	Protection class II

Introduction

MANUFACTURER:

scheppach
Fabrikation von Holzbearbeitungsmaschine GmbH
Günzburger Straße 69
D-89335 Ichenhausen

DEAR CUSTOMER,

We hope your new tool brings you much enjoyment and success.

NOTE:

According to the applicable product liability laws, the manufacturer of the device does not assume liability for damages to the product or damages caused by the product that occurs due to:

- Improper handling,
- Non-compliance of the operating instructions,
- Repairs by third parties, not by authorized service technicians,
- Installation and replacement of non-original spare parts,
- Application other than specified,
- A breakdown of the electrical system that occurs due to the non-compliance of the electric regulations and VDE regulations 0100, DIN 57113 / VDE0113.

⚠ Important!

When using electric tools safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury including the following. Read all these instructions before attempting to operate this product and save these instructions. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure

In addition to the safety regulations in the operating instructions, you have to meet the applicable regulations that apply for the operation of the machine in your country. Keep the operating instructions package with the machine at all times and store it in a plastic cover to protect it from dirt and moisture. Read the instruction manual each time before operating the machine and carefully follow its information. The machine can only be operated by persons who were instructed concerning the operation of the machine and who are informed about the associated dangers. The minimum age requirement must be complied with.

In addition to the safety notes contained in the present operating instructions and the special regulations of your country, the generally recognized technical rules for the operation of wood working machines must be observed.

Device description (Fig. 1-19)

1. Handle/hand grip
2. Front handle
3. Plunge-cut trigger
4. On/off switch
5. Base plate
6. Adjustment screw for depth of cut
7. Scale for depth of cut
8. Mitre adjustment screw
9. Mitre square
10. 90-degree adjustment screw
11. Saw blade
12. Suction nozzle
13. Motor
14. Shaft locking mechanism
15. Adjustment screw for guide rail

Unpacking

- Open the packaging and remove the device carefully.
- Remove the packaging material as well as the packaging and transport bracing (if available).
- Check that the delivery is complete.
- Check the device and accessory parts for transport damage.
- If possible, store the packaging until the warranty period has expired.

ATTENTION

The device and packaging materials are not toys! Children must not be allowed to play with plastic bags, film and small parts! There is a risk of swallowing and suffocation!

Intended use

Plunge cut saws are intended to be used for sawing wood, materials similar to wood, plaster and cement bonded fibre materials and plastics.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

The equipment is to be operated only with suitable saw blades. To use the equipment properly you must also observe the safety information, the assembly instructions and the operating instructions to be found in this manual.

All persons who use and service the equipment have to be acquainted with this manual and must be informed about the equipment's potential hazards. It is also imperative to observe the accident prevention regulations in force in your area. The same applies for the general rules of health and safety at work.

The manufacturer will not be liable for any changes made to the equipment nor for any damage resulting from such changes. Even when the equipment is used as prescribed it is still impossible to eliminate certain residual risk factors. The following hazards may arise in connection with the machine's construction and design:

- Contact with the saw blade in the uncovered saw zone.

- Reaching into the running saw blade (cut injuries).
- Kick-back of workpieces and parts of workpieces.
- Saw blade fracturing.
- Catapulting of faulty carbide tips from the saw blade.
- Damage to hearing if ear-muffs are not used as necessary.
- Harmful emissions of wood dust when used in closed rooms.

Suitable use

To cut:

- Hard and soft, domestic and exotic wood both longitudinally and transversally and with appropriate adjustments (specific blade and clamps);

Unsuitable use

Do not cut:

- Ferrous materials, steel and cast iron or any other material not mentioned above and in particular food-stuffs.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the equipment is used in commercial, trade or industrial businesses or for equivalent purposes.

Safety information

Attention! The following basic safety measures must be observed when using electric tools for protection against electric shock, and the risk of injury and fire. Read all these notices before using the electric tool and keep the safety instructions for later reference.

1) Workplace safety

- Keep your working area clean and well lit. Cluttered or dimly lit workspaces can lead to accidents.
- Do not operate power tools in areas where explosions could take place, or in which flammable liquids, gases or dust are present. Power tools can create sparks, which can cause dust or fumes to ignite.
- Keep children and bystanders away from the power tool when it is being used. Distractions could cause you to lose control over the equipment.

2) Electrical safety

- The terminal plug of the tool must fit into the outlet. The plug may not be modified in any way. Do not use an adaptor plug together with grounded power tools. The original plugs and the appropriate outlets reduce the risk of an electrical shock.
- Avoid contact with grounded surfaces, such as pipes, radiators, stoves and refrigerators. There is an increased risk of electrical shock, if your body is grounded.
- Keep power tools away from rain or wet conditions. Penetration of water into the power tool increases the risk of electrical shock.
- Do not use the cable for any purpose other than that for which it was made. Do not use it to carry the tool, hang it up, or to pull the plug out of the outlet. Keep the

cable away from heat, oil, sharp corners or parts of the equipment that move. Damaged or entangled cords increase the risk of electrical shock.

e) When operating the power tool outdoors, only use extension cords that are suitable for outdoor use. The use of an appropriate extension cord reduces the risk of an electrical shock.

f) If the power tool must be used in a damp environment, use a residual current protective device. The use of such a device reduces the risk of electrical shock.

3) Personal safety

a) Be attentive, watch what you are doing and use the power tool sensibly. Do not use power tools when you are tired or under the influence of drugs, alcohol or medicines. One moment of inattention while using a power tool can result in serious injury.

b) Wear personal protective equipment and always wear protective glasses. Wearing personal protective equipment, such as a dust mask, slip-free safety shoes, protective headwear or ear protection, depending on the type and use of a power tool reduces the risk of injury.

c) Avoid unintentional start-ups. Make sure that the power tool is shut off before it is connected to the power supply, or is carried. If you have your finger on the switch of the tool while carrying it, or have the tool turned on, or connected to a power supply, this behaviour can lead to accidents.

d) Remove the adjustment aides or the spanners before turning on the power tool. A tool or wrench that is located in a rotating part of the machine, can lead to injuries.

e) Avoid abnormal posture. Make sure that the operator is standing firmly and can maintain balance. This allows the operator to maintain control over the power tool in unexpected situations.

f) Wear appropriate clothing. Do not wear loose clothing or jewellery. Keep hair, clothing and gloves away from the moving parts. Loose clothing, jewellery or long hair can get caught in the moving parts.

g) If dust vacuums or catching systems can be installed on the tool, make sure that these are correctly connected and assembled. The use of a dust exhaust unit can reduce hazards caused by dust.

4) Use and treatment of the power tool

a) Do not overtax the tool. Use the appropriate tool for the work that is to be done. With the correct power tool, you can work better and more safely.

b) Do not use a power tool where the switch is defective. A power tool that cannot be turned on and off is dangerous and must be repaired.

c) Disconnect the plug from the wall outlet before you make adjustments to the tool, change parts or put the tool away. This precaution prevents inadvertent start-ups of the tool.

d) Store power tools that are not in use out of reach of children. Do not let anyone use the tool who does not have experience with it, or who has not read these instructions. Power tools can be dangerous when they are used by inexperienced people.

e) Take good care of your power tools. Make sure that

movable parts function properly and do not jam, see that parts which influence the use of the machine are not broken or damaged. Repair damaged parts before operating the tool. Many accidents are caused by poorly maintained power tools.

f) Keep cutting edges sharp and clean. Properly maintained cutting tools with sharp cutting edges jam less often and are easier to control.

g) Use power tools, accessories, and equipment according to these instructions. Taking into account the working conditions and the work being performed.

The use of power tools other than those intended for the tool itself can lead to dangerous situations.

5) Service

a) Only let qualified service personnel repair your tool and always use original replacement parts. This guarantees that the power tool remains safe to use.

Safety instructions for all saws

a) DANGER: Do not put your hands in the sawing area or on the saw blade. Keep your second hand on the extra handle of the motor housing. If both hands are holding the saw, neither can be injured by the saw blade.

b) Do not put your hands under the work piece. The protective cap cannot protect your hands from the blade when they are under the work piece.

c) Adjust the cutting depth to the thickness of the work piece. Less than one complete sawing tooth should be visible under the work piece.

d) Never hold the work piece that is to be sawn in your hand or over your leg. Make sure that the work piece has a stable balance. It is important that the work piece is held securely, in order to minimize the danger of contact of a body part with the saw, loss of control over the saw, or jamming of the blade.

e) Hold the equipment on the insulated handles, when you undertake work in which the tool being used could come into contact with hidden electrical wires, or its own cable. Contact with a live power source can electrify the metal parts of the tool and lead to an electrical shock.

f) When making a long cut, always use a stop chock or a straightedge. This improves the accuracy of the cut and reduces the chance that the saw blade jams.

g) Always use the correct size of saw blades and make sure they have the right locating bore (e.g. Star shaped or round). Saw blades that do not fit the assembly of the saw do not run correctly and cause loss of control.

h) Never use damaged or incorrect saw blade shims or screws.

The saw blade shims and screws are designed especially for your saw, for optimal performance and operating safety.

Additional safety instructions for all saws

Causes and prevention of kickbacks:

- A kickback is a sudden reaction due to a caught, jammed or incorrectly adjusted saw blade, which leads

to the saw rearing up in an uncontrolled manner and moving out of the work piece towards the operator.

- If a saw blade catches or jams in the sawing edge that closes behind it, it is blocked and motor's drive pushes the saw back in the direction of the operator.

- If the saw blade twists in the saw groove or is incorrectly positioned, the teeth at the rear side of the saw blade edge catch in the surface of the work piece. The saw then moves out of the saw groove and springs back in the direction of the operator.

- A kickback results from an incorrect or faulty use of the saw. It can be prevented, as will be described in the following, by appropriate cautionary measures.

a) Hold onto the saw with both hands and position your arms so that they can absorb any energy from a kickback. Always keep to the side of the saw blade, and never bring it into line with your body. In the case of a kickback, the circular saw can jump backwards, but with adequate caution the operator can deal with the energy of the kickback.

b) If the saw blade jams or you want to interrupt your work, then turn the saw off and keep the work piece still until the saw blade comes to a full stop. Never try to remove the saw from the work piece or pull it out when the saw blade is moving since then a kickback can occur. Find out the cause of the jam and remove it.

c) If you want to start up a saw that is in the work piece, centre the saw blade in the sawed groove and check that the saw blade teeth are not caught in the work piece. If the saw blade is jammed, it can jump out of the work piece or cause a kick back when it is started up.

d) Support larger work pieces in order to reduce the risk of a kick back due to a saw blade jam. The weight of larger work pieces can cause them to bend. Large pieces must be supported on both sides, both near the sawing slot as well as on the edges.

e) Do not use dull or damaged saw blades. Saw blades with dull or misaligned teeth increase the friction, in the sawing slot, cause saw blade jams and kickbacks.

f) Before you start sawing, tighten the adjustments for the cut depth and angles. If you change settings while sawing, the saw blade can jam and a kickback is the result.

g) Be particularly careful when making "inserted cuts" in walls that already exist or other areas where you cannot see what is behind the surface. When the saw blade is inserted into the wall it can be blocked by hidden objects and cause a kick back.

Safety instructions for inserted circular saw use

a) Each time before you use the saw, make sure that the protective covering closes. Do not use the saw if the protective covering cannot move freely and does not close immediately. Never clip or tie the protective covering in an opened position. If the saw should accidentally fall to the ground, the protective covering can get bent. Make sure that the protective covering can move freely and does not touch the saw blade or other

parts in all cutting positions.

b) Check the condition and function of the spring for the protective covering. Have the saw repaired before use if the protective covering and spring do not work perfectly. Damaged parts, sticky residuals or piles of saw dust can interfere with the working of the lower protective cover.

c) When making an "inserted cut" that does not describe a right angle, make sure that the saw is guarded against slipping to the side. Slippage can lead to a saw blade jam and a kickback.

d) Do not put the saw on the workbench or the floor without making sure that the protective cover is over the saw blade. An unprotected, running saw blade can move the saw against the cutting direction and saw what is in the way. Check the delay time of the saw.

Additional safety instructions for all sawing with a wedge

a) Use the right wedge for the saw blade that is in use. The wedge must be thicker than the thickness of the steel blade but thinner than the width of the teeth.

b) Adjust the wedge as described in the operating instructions. Incorrect thickness, position or direction can be the reason that the wedge does not effectively prevent a kickback.

c) Always use a wedge, except when making an inserted cut. Reassemble the wedge after an inserted cut. The wedge is in the way when making an inserted cut and can cause a kickback.

d) In order for the wedge to be effective, it must be in the sawing gap. For short cuts, a wedge does not work to prevent kickbacks.

e) Never run the saw with a bent wedge. Even the smallest defect can slow down the closing of the protective cover.

Instructions for all saws

- Do not use a sanding belt.
- Make sure that the wedge is adjusted so that the distance to the sprocket ring of the saw blade is not more than 5 mm and that the sprocket ring does not stick out more than 5 mm above the lower edge of the wedge.
- Make sure that the dust catching mechanism is correctly installed, as is described in this manual.
- Wear breathing protection.
- Only those saw blades recommended in the manual should be used.
- Always wear ear protection.
- Replace the saw blades as described in this manual.
- The maximum cut depth is 55 mm.

If the electrical cable of this tool is damaged it must be replaced by the manufacturer or the customer service department or a similarly qualified specialist in order to avoid dangers.

Further special safety instructions for circular saws

a) Only use the recommended saw blades which correspond to EN 847-1.

b) Do not use sanding belts.

c) Only use the manufacturer's original saw blades with the number Ø 160 mm, 5500/min, 160 x 20 x 2.0. Do not use any saw blades which do not correspond to the characteristics described in these operating instructions. Saw blades may not be brought to a stop by pressure on the machine from the side.

Make sure that the saw blade is tightly assembled and turns in the correct direction.

Special Safety Instructions

Safety instructions for circular saws

- Hold the equipment on the insulated handles, when you undertake work in which the tool being used could come into contact with hidden electrical wires, or its own cable. Contact with a live power source can electrify the metal parts of the tool and lead to an electrical shock.

Remaining hazards

The machine has been built using modern technology in accordance with recognized safety rules. Some remaining hazards, however, may still exist.

- The use of incorrect or damaged mains cables can lead to injuries caused by electricity.
- Even when all safety measures are taken, some remaining hazards which are not yet evident may still be present.
- Remaining hazards can be minimized by following the instructions in „Safety Precautions“, „Proper Use“ and in the entire operating manual.
- Do not force the machine unnecessarily: excessive cutting pressure may lead to rapid deterioration of the blade and a decrease in performance in terms of finish and cutting precision.
- When cutting aluminium and plastics always use the appropriate clamps: all workpieces must be clamped down firmly.
- Avoid accidental starts: do not press the start button while inserting the plug into the socket.
- Always use the tools recommended in this manual to obtain the best results from your plunge cut saw.
- Always keep hands away from the work area when the machine is running; before performing tasks of any kind release the main switch button located on the handgrip, thus disconnecting the machine.

Technical data

CS55	
Dimensions L x W x H mm	340 x 260 x 235
Saw blade ø mm / number of teeth	160 / 24Z
Thickness of saw blade	2,0 mm
Idling speed n0	5500 1/min
Mitre square	0°–45°
Depth of cut 90° mm	55
Depth of cut 45° mm	45
Weight kg	4,8
Drive	
Motor V/Hz	230–240/50
Input W	1200
Protection class	II
Subject to technical modifications!	

Warning: Noise can have adverse health effects. Should the noise level increase above 85 dB(A), you must wear ear protection. Should the electrical supply not be optimal, then the current can drop for a short time when the machine is turned on. This can influence other equipment (for example, the blinking of a lamp). Should the electrical capacity have a $Z_{max} < 0.27$, such disturbances are not to be expected. (Should you have difficulties, please consult your local dealer.)

Noise and vibration

Operating noise level and vibrations	
Sound pressure level	L_{pA} : 95 dB(A), K_{pA} : 3 dB(A)
Sound power level	L_{wA} : 106 dB(A), K_{wA} : 3 dB(A)
Typical weighted vibrations	$a_n = 5,72 \text{ m/s}^2$, $K = 1,5 \text{ m/s}^2$
Measured values corresponding to EN 60 745-2-5 and EN 60 745-1	

The specified vibration value was established in accordance with a standardized testing method. It may change according to how the electric equipment is used and may exceed the specified value in exceptional circumstances;

The specified vibration value can be used to compare the equipment with other electric power tools.

The specified vibration value can be used for initial assessment of a harmful effect.

Attention!

The indicated weighted effective value of acceleration can differ during operation from the indicated value, dependent on the manner in which the device is used. Dependent upon the actual conditions of use (periodic duty) it may be necessary to establish safety precautions for the protection of the operator.

Start-up

Observe the safety notes in the operating instructions before operating the machine.

REMOVAL OF PACKAGING

Remove the box used to protect the machine during transportation and keep it intact for future transportation and storage.

ELECTRICAL CONNECTIONS

Check that the electrical system to which the machine is connected is earthed in compliance with current safety regulations and that the current socket is in perfect condition.

The electrical system must be fitted with a magneto thermal protective device to safeguard all conductors from short circuits and overload.

The selection of this device should be in line with the following electrical specifications of the machine stated on the motor.

NOTE: Your plunge cut saw's electrical system is equipped with an under voltage relay which automatically opens the circuit when the voltage falls below a minimum preestablished limit and which prevents the self-reset of machine functions when voltage returns to normal levels.

If the machine stops involuntarily, do not be alarmed. Make sure that there has not been a voltage failure in the electrical system.

Adjusting

Caution: Prior to carrying out one of the following adjustment steps, switch the machine off and unplug the mains plug.

Cutting depth adjustment, Fig. 2

The cutting depth can be adjusted from 0 to 55 mm.

Unfasten the cutting depth adjustment screw (6) and set the required depth using the scale (7) and retighten the screw.

The dimensions on the rail shows the cutting depth without rail.

Mitre settings, Fig. 3

The mitre square can be set from 0° to 45°.

Unfasten the mitre adjustment screws (8) on both sides, set the desired mitre square on the scale (9) and retighten both screws.

Saw blade replacement, Fig. 4, 5, 6

Caution: Before you are going to make the saw blade change, switch off the machine and unplug the power cord.

- 1 Press the plunge trigger (3), bring the saw blade into the blade-change position (Adjustment screw for depth of cut shall be adjusted to 25 mm) and insert the hex wrench into the blade locking screw (17).
- 2 Press on the shaft lock (13) and rotate the saw blade (10) until the lock clicks into place.
- 3 Hold down the locking shaft (13) and open the blade locking screw (17) counter clockwise, while keeping the blade in the blade-changing position.

- 4 Remove the outer flange (16) and the saw blade (10).
(Caution: risk of injuries, wear protective gloves)
- 5 Insert the new blade and flange.
- 6 Screw in and tighten the saw blade locking screw while keeping the shaft locking mechanism pressed again.
- 7 Set the plunge saw to its original position.

Adjusting the splitting wedge, Fig. 7

Adjust the distance between saw blade and splitting wedge after a saw blade replacement, or whenever necessary.

Put the saw in the same position as you do when replacing a saw blade.

Unfasten the adjustment screw (18) using an Allen key and set the splitting wedge 2-3 mm higher than the saw blade, then retighten the adjustment screw.

Operations

After having performed all the above procedures and operations, you may begin cutting.

ATTENTION: Always keep hands away from the cutting area and do not try to approach it when the machine is running.

Switching the product on/off, Fig. 1

To switch the plunge-cut saw on, press the on/off switch (4). To switch off, release the on/off switch (4).

Operating and holding the plunge-cut saw, Fig. 8

- 1 Secure the work piece so that it cannot get displaced or moved while sawing.
- 2 Only move the saw forwards.
- 3 Grip the saw tightly with both hands ensuring that one hand is placed on the main handle and the other on the front handle.
- 4 When using a guide rail, it must be fastened with screw clamps.
- 5 Make sure the power cable is not placed in the sawing direction.

Sawing

- 1 Place the front part of the machine onto the work piece.
- 2 Switch the machine on using the on/off switch (4).
- 3 Press the plunge-cut trigger (3).
- 4 Push the saw downwards to reach the sawing depth.
- 5 Push the saw forward evenly.
- 6 After finishing the sawing cut, switch the machine off and move the saw blade upwards.

Plunge-cuts, Fig. 9

- 1 Place the saw onto the work piece.
- 2 Place the cutting indicator with the rear arrow (A) on the marked plunge-cut position.
- 3 Switch the machine on and push the saw downwards until you reach the set cutting depth.
- 4 Move the saw forwards until the cutting indication (C) has reached the marked point.
- 5 After completion of the plunge-cut, move the saw blade upwards and switch the saw off.

Cutting with rails (optional)

- 1 Place the machine in the guide rails. can be readjusted using the hex driver included in the delivery, when there is the risk of the adjusting screws releasing by themselves.
- 2 Turn on the machine by pressing the on/off switch (4).
- 3 Press the dip trigger (3).
- 4 Press the saw downwards to reach the sawing depth. During first use the rubber lip is sawn off and thus splitter protection is guaranteed up to the saw blade.
- 5 Push the saw uniformly forwards.
- 6 Turn off the machine and tilt the saw blade to the top when the saw cutting is complete.

Sawing with dust suction

Connect the suction hose to the exhaust nozzle - Ø 38 mm (12).

Maintenance

⚠ Warning! Prior to any adjustment, maintenance or service work disconnect the mains power plug!

General maintenance measures

Wipe chips and dust off the machine from time to time using a cloth. In order to extend the service life of the tool, oil the rotary parts once monthly. Do not oil the motor.

When cleaning the plastic do not use corrosive products.

Brush inspection

Check the 2 carbon brushes after the first 50 operating hours with a new machine, or when new brushes have been fitted. After carrying out the first check, repeat the check every 10 operating hours.

If the carbon is worn to a length of 6 mm, or if the spring or contact wire are burned or damaged, it is necessary to replace both brushes. If the brushes are found to be usable following removal, it is possible to reinstall them.

If specialist personnel must be brought in for extraordinary service or repairs during the warranty period and thereafter, please contact a service provider recommended by us or contact the manufacturer directly.

- Overhauls, maintenance work, cleaning, as well as the elimination of any malfunctions must only be undertaken after turning off the motor.
- All protective and safety equipment must be reinstalled immediately upon completion of any repair or maintenance work.

Regular maintenance

The regular maintenance described above and in the paragraph below can be carried out by unskilled personnel.

- Do not oil the plunge cut saw, cause cutting must be carried out in dry conditions; all rotating parts are self-lubricating.
- During maintenance, wear protective gear if possible (accident-prevention goggles and gloves).
- Remove cuttings when necessary both from the cutting area, work surfaces and support bases. Use of an aspirator or brush is recommended.
ATTENTION: Do not use compressed air jets!
- Regularly check blade conditions: if difficulties should arise during cutting, have it sharpened by skilled personnel or replace it if necessary.

Assistance

When in need of skilled personnel for special maintenance, or for repairs, both during and following the guarantee period, always apply to authorized centres for assistance or directly to the manufacturer if there is no authorized centre in your area.

Storage

Store the device and its accessories in a dark, dry and frost-proof place that is inaccessible to children. The optimum storage temperature is between 5 and 30°C. Store the electrical tool in its original packaging. Cover the electrical tool in order to protect it from dust and moisture. Store the operating manual with the electrical tool.

Electrical connection

The electrical motor installed is connected and ready for operation. The connection complies with the applicable VDE and DIN provisions.

The customer's mains connection as well as the extension cable used must also comply with these regulations.

- Given unfavourable conditions in the power supply the product can cause the voltage to fluctuate temporarily.
- The product is exclusively intended for use at connection points that have a continuous current-carrying capacity of at least 100 A per phase.
- As the user, you are required to ensure, in consultation with your electric power company if necessary, that the connection point at which you wish to operate the product meets the specified requirements.

Important information

In the event of an overloading the motor will switch itself off. After a cool-down period (time varies) the motor can be switched back on again.

Damaged electrical connection cable

The insulation on electrical connection cables is often damaged.

This may have the following causes:

- Passage points, where connection cables are passed through windows or doors.

- Kinks where the connection cable has been improperly fastened or routed.
- Places where the connection cables have been cut due to being driven over.
- Insulation damage due to being ripped out of the wall outlet.
- Cracks due to the insulation ageing.

Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage.

Check the electrical connection cables for damage regularly. Make sure that the connection cable does not hang on the power network during the inspection.

Electrical connection cables must comply with the applicable VDE and DIN provisions. Only use connection cables with the marking „H05VV-F“.

The printing of the type designation on the connection cable is mandatory.

AC motor

- The mains voltage must be 230 V~
- Extension cables up to 25 m long must have a cross-section of 1.5 mm².
- The connection to the mains must be protected with a 16 A slow-acting fuse.

Connections and repairs of electrical equipment may only be carried out by an electrician.

Please provide the following information in the event of any enquiries:

- Type of current for the motor
- Machine data - type plate
- Machine data - type plate

Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

Troubleshooting

Problem	Possible Cause	Help
The motor does not run.	Faulty motor, power supply cable or plug. Burned out fuses.	Have the machine checked by skilled personnel. Do not try to repair the machine yourselves as it may be dangerous. Check the fuses and replace them if necessary.
The motor starts slowly and does not reach running speed.	Low power supply voltage. Damaged windings. Burned out capacitor.	Ask for the Electricity Board to check the voltage available. Have the machine motor checked by skilled personnel. Have the capacitor replaced by skilled personnel.
Excessive motor noise.	Damaged windings. Faulty motor.	Have the motor checked by skilled personnel.
The motor does not reach full power.	Overloaded circuit due to lighting, utilities or other motors.	Do not use other utilities or motors on the circuit to which the plunge cut saw is connected.
Motor overheats easily	Overload of the motor; inadequate cooling of the motor	Prevent overloading the motor when cutting; remove dust from the motor to ensure an optimum cooling of the motor
Decrease in cutting power when sawing	The saw blade is too small (sharpened too often)	Re-adjust the end stop of the saw unit
The saw cut is rough or wavy	The saw blade is dull; the tooth shape is not suited to the thickness of the material	Re-sharpen the saw blade or use an appropriate saw blade
The work piece rips or splinters	The cutting pressure is excessive or the saw blade is not suited to the application	Use the correct saw blade

Service-Address:

GreatStar Europe
Unit 55 Romsey Industrial Estate
GB - Hampshire SO51 0HR

Service-Hotline:

+800 4003 4003
(0,00 €/Min.)

Fig. 1.1

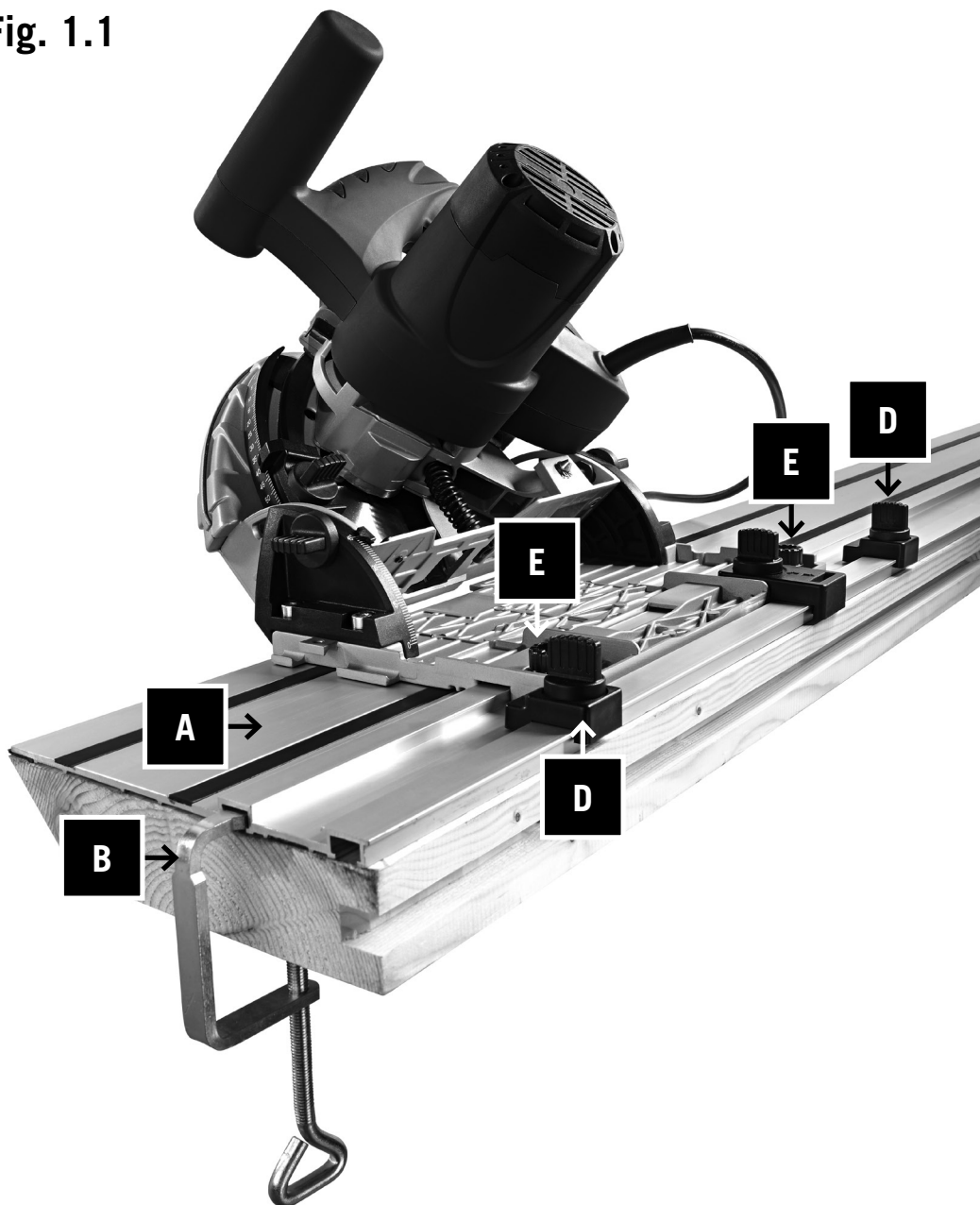
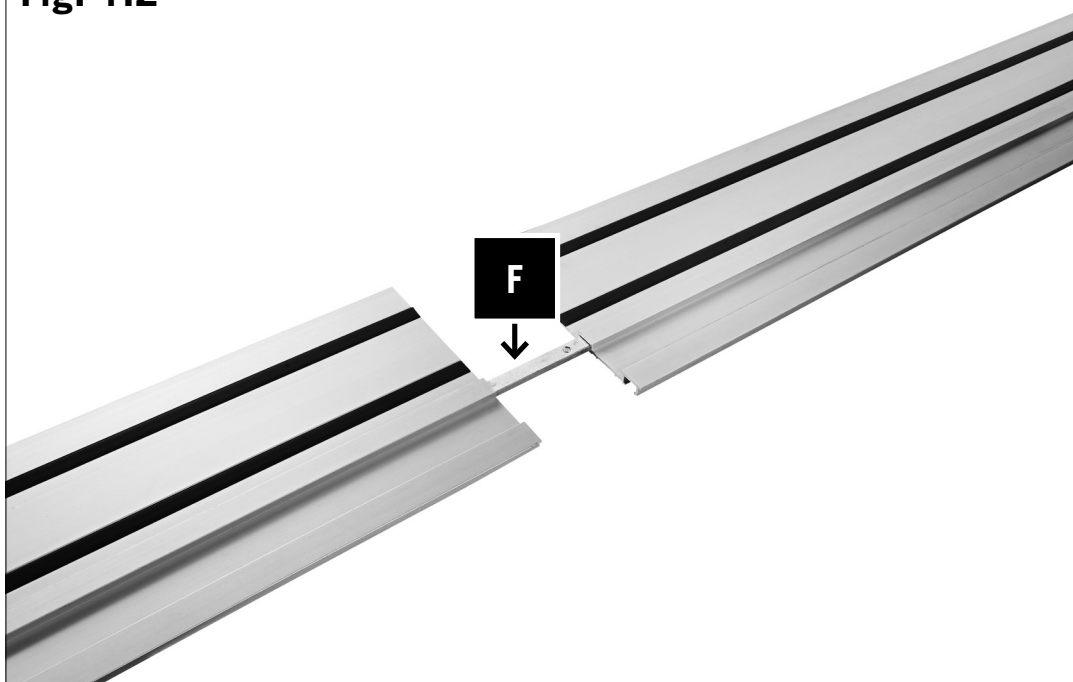


Fig. 1.2



STANDARD ACCESSORIES

Guide System

- 1 Allen key
- 1 Rail connector
- 2 Rails 700 mm
- 1 Tilt protection
- 2 Workpiece clamps

OPTIONAL ACCESSORIES (NOT INCLUDED IN PACKAGING)

Rebound protection

Guide Device (Fig. 1.1, 1.2)

The guide rails (A) enable clean, precise cuts and protect the surfaces from damage.

When sawing with the guide rail, the cut depth is 4.5 mm less than the scale value on the machine.

For safety, the guide rail can be secured with screw clamps (B).

The tilt protection (C) prevents the plunge saw from tilting during miter cuts and adjustment work.

The rebound protection (D) ensures a safe guiding during plunging into the workpiece (not included).

By means of the rail joiner (F), 2 guide rails can be connected and allow long, precise cuts

The guide clearance of the assembly on the guide rail can be regulated with the two adjustment screws (E).

With the offered accessories, miter cuts, corner cuts and other fitting tasks can be carried out.

When first using this saw on the optional guide rail, it will need to be adjusted to slide with minimal side movement on the guide rail, Adjustable cams (Fig 1.1 "E") are fitted to do this.

1. Place saw on guide rail.
2. Turn cams (Fig 1.1 "E") anti-clockwise until tight. Then clockwise slightly to allow clearance. While holding dials in position lock in place by screwing down the Socket head Cap screws in the middle of each Cam (5mm allen key supplied with machine)
3. Pull saw back and forth along rail ensuring it slides smoothly Re-adjust as needed.
4. Future adjustment may be needed depending on use of saw.

Splinter Protection

The guide rail comes with a splinter guard, which must be fitted before the first use.

- 1 Secure rail with the screw clamps to a piece of scrap lumber.
- 2 Adjust the guide clearance on the rail with the two adjustment screws (E).
- 3 Set the plunge saw to ca. 6mm cut depth
- 4 Set up the saw at the back end of the rail.
- 5 Switch on the machine, press down to the set cut depth and fit the splinter guard along the whole length in one pass without stopping.

The edge of the splinter guard now corresponds exactly to the cutting edge of the saw blade

Caution!

Always secure the workpiece in such a way that it cannot shift.

Always move the machine forward; never pull it toward the body.

TO SAW:

- 1 Set the saw on the guide rail.
- 2 Switch on the machine.
- 3 Press the saw slowly down to the set cut depth and move this evenly forward along the rail.

PLUNGE CUTS:

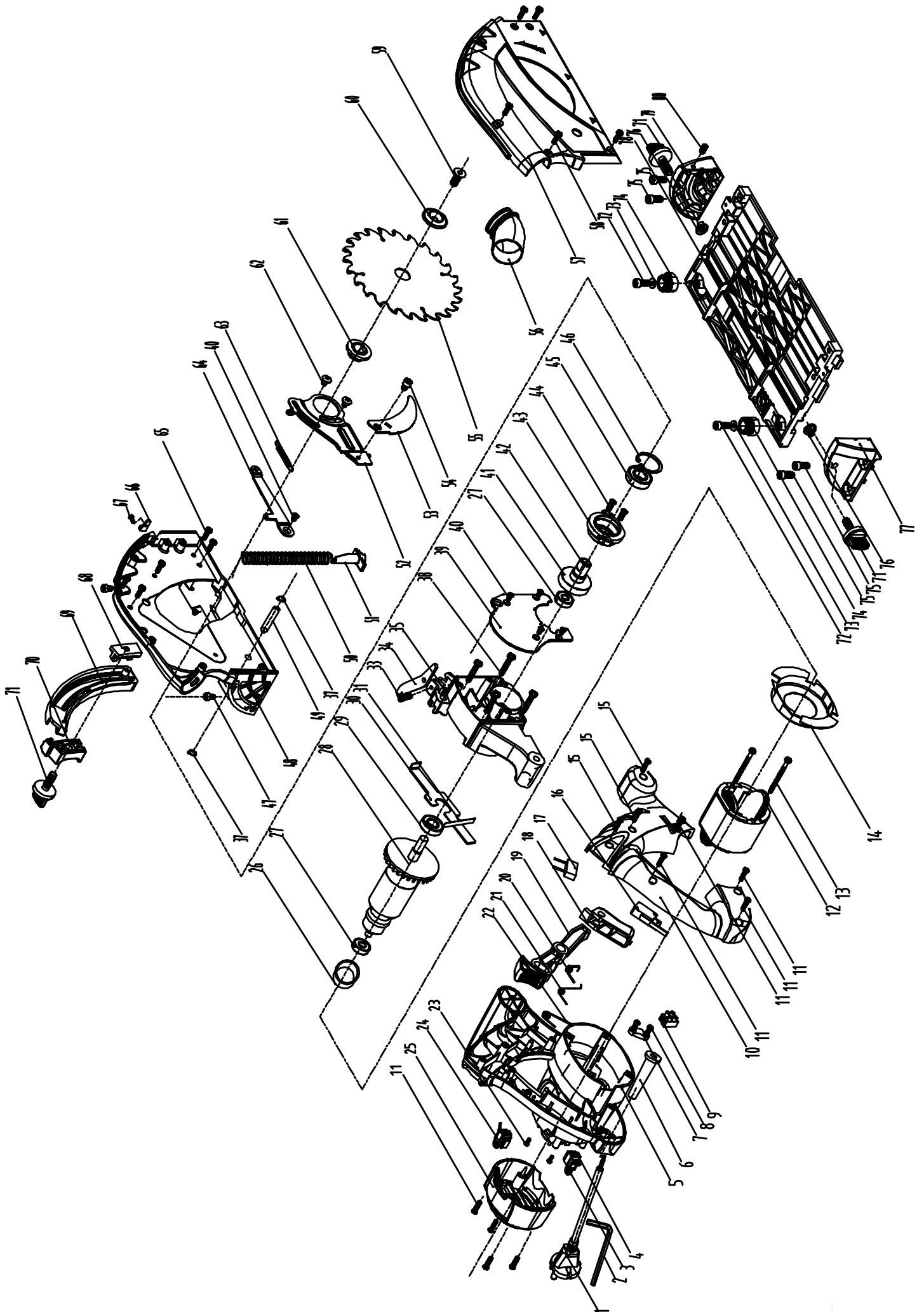
To Saw:

- 1 Set the saw on the guide rail at the marked cutting point
- 2 Secure the rebound protection or fence (accessory not included) at the back and front cut points on the guide rail.
- 3 Switch on the machine.
- 4 Press the saw down slowly to the set cut depth and move this forward evenly on the rail up to the front cutting point.

Tilt Protection:

For miter cuts, it is advisable to install a tilt protection. This prevents the machine from tilting to one side while in an oblique position.

Injuries to the body or damage to the machine can be avoided thereby.



Declaration of Conformity



DE	erklart folgende Konformitat gema EU-Richtlinie und Normen fur den Artikel	SK	prehlasuje nasledujucu zhodu podla smernice EU a noriem pre vyrobok
GB	hereby declares the following conformity under the EU Directive and standards for the following article	EST	kinnitab jargmist vastavus vastavalt ELi direktiivi ja standardite jargmist artiklinumbrit
FR	declarer la conformite suivante selon la directive UE et les normes pour l'article	LT	pareiskia, taip atitiktis pagal ES direktyvos ir standartai i straipsnį
IT	dichiara la seguente conformita secondo le direttive e le normative UE per l'articolo	LV	apliecina adu saskaņa ar ES direktīvu atbilstības un standarti adu rakstu
CZ	prohlašuje nasledující shodu podle smernice EU a norem pro vyrobek	NL	verklaart hierbij dat het volgende artikel voldoet aan de daarop betrekking hebbende EG-richtlijnen en normen
HU	az EU-iranyelv es a vonatkozo szabvanyok szerinti kovetkezo megfelelosegi nyilatkozatot teszi a termekre	RUS	заявляет о соответствии товара следующим директивам и нормам ЕС
HR	ovime izjavljuje da postoji sukladnost prema EU-smjernica i normama za sljedece artikle	PT	declara o seguinte conformidade com a Directiva da UE e as normas para o seguinte artigo
RO	declara urmatoarea conformitate corespunzator directivelor i normelor UE pentru articolul	ES	declara la conformidad siguiente segun la directiva la UE y las normas para el artculo
TR	Normları geregince asagıdaki uygunluk aıkla masını sunar.	DK	erklerer hermed, at flgende produkt er ioverensstemmelse med nedenstaende EUdirektiver og standarder:
FIN	vakuuttaa taten, etta seuraava tuote taytta ala esitetyt EU-direktiivit ja standardit	SE	frsakrar harmed fljande overensstammelse enligt EU-direktiv och standarder fr fljande artikeln
PL	deklaruje, ze produkt jest zgodny z nastepujacymi dyrektywami UE i normami	NO	erklerer herved flgende samsvar under EU-direktiv og standarder for flgende artikkel
SLO	izjavlja sledeco skladnost z EU-direktivo in normami za artikel	BE-VLV	verklaart de volgende conformiteit volgens EU-richtlijn en normen voor het artikel

Plunge Saw PL5500

<input type="checkbox"/>	2009/105/EC	<input type="checkbox"/>	89/686/EC_96/58/EC
<input checked="" type="checkbox"/>	2014/35/EU	<input checked="" type="checkbox"/>	2006/42/EC
<input type="checkbox"/>	2006/28/EC		Annex IV Notified Body: Notified Body No.: Reg. No.:
<input type="checkbox"/>	2005/32/EC	<input type="checkbox"/>	2000/14/EC_2005/88/EC
<input checked="" type="checkbox"/>	2014/30/EU		Annex V
<input type="checkbox"/>	2004/22/EC		Annex VI Noise: measured L_{WA} = xx dB(A); guaranteed L_{WA} = xx dB(A) Notified Body: Notified Body No.:
<input type="checkbox"/>	1999/5/EC	<input type="checkbox"/>	2004/26/EC
<input type="checkbox"/>	97/23/EC		Emission. No:
<input type="checkbox"/>	90/396/EC		
<input checked="" type="checkbox"/>	2011/65/EU		

Standard references: EN 60745-1, EN 60745-2-5, EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3

Ichenhausen, den 29.04.2016

Unterschrift / Markus Bindhammer / Technical Director
Art.-No. 5801801985
Subject to change without noticeDocuments registrar: Georg Kohler
Günstzburger Str. 69, D-89335 Ichenhausen

Apparent defects must be notified within 8 days from the receipt of the goods. Otherwise, the buyer's rights of claim due to such defects are invalidated. We guarantee for our machines in case of proper treatment for the time of the statutory warranty period from delivery in such a way that we replace any machine part free of charge which provably becomes unusable due to faulty material or defects of fabrication within such period of time. With respect to parts not manufac-

ured by us we only warrant insofar as we are entitled to warranty claims against the upstream suppliers. The costs for the installation of the new parts shall be borne by the buyer. The cancellation of sale or the reduction of purchase price as well as any other claims for damages shall be excluded. The saw blade is a consumable item and explicitly excluded from any warranty.