

Translation of the original

Operating Manual



Cutting Ring Pre-Assembly Machine

SPR-PRC-H

To avoid injuries and damage read through this operating manual thoroughly and attentively. Keep it for further reference purposes.



This document can be found in additional languages online at www.stauffconnect.com

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1 Information on the Manual

This manual includes important instructions and information on the intended use. Keep the operating manual where it can be accessed by the operating personnel.

1.1 Targeted group of the operating manual

The operating personnel charged with the following work must read and take notice of this operating manual:

- Installation
- Operation
- Fault
- · Servicing

See personnel qualifications ▶ Section 2.4, Page 9.

1.2 Warnings structure

Coloured signal word boxes emphasise the warnings. Always read the full warning text for effective protection from hazards!

The various colours and signal words of the following boxes designate various danger levels:



Ignoring this warning results in serious or lethal injuries.

⚠ WARNING

Ignoring this warning can result in serious or lethal injuries.

⚠ CAUTION

Ignoring this warning can result in minor or moderately severe injuries.

IMPORTANT

Ignoring this warning can result in damage.



Warnings are always structured in the same manner. They include the signal word, hazard type and source, consequences of ignoring them and steps to ward off / avoid hazards.

Example:

MARNING

Risks from fingers shearing off and being injured

- ► Ensure before start-up that all safety equipment is properly installed and in working order!
- ► Make sure your fingers are not in the assembly area when carrying out the machine functions!

1.3 Instructions structure

Instructions request you to undertake an immediate operation. They are structured in line with the operation involved. Always carry out the operating steps in the prescribed sequence.

The instructions are structured as follows and marked with the appropriate symbols:

- ► Aim of the instruction
 - 1. Operating step
 - Effect of the operating step in checking if the step has been properly executed.
 - 2. Additional operating step
- ☑ Outcome of the overall instruction

1.4 Additional information structure



Texts with an info symbol provide you with additional information and tips.

1.5 References structure

References are shown in this manual as follows:

Example:

"... only operate the machine as intended ▶ Chapter 2.2, Page 8.



2 For Your Safety

To avoid accidents and injuries ...

- Pay attention to all the general and specific safety instructions and the warnings in this manual.
- · Pay attention to danger and prohibitory signs.
- Follow the accident prevention regulations and directives applying to where the operation is taking place.
- Keep to all the inspection and maintenance intervals.
- · Only operate the machine as intended.

2.1 General safety instructions

Safety instructions help you in avoiding injuries and in avoiding damage. Ensure that you have read and understood all the safety instructions in this operating manual.

Safe working entails doing more that just reading the general safety instructions in this chapter. Also read and follow the specific safety instructions in every chapter affecting your work. Follow as well the information in the associated product documents in force.

The following general safety instructions hold good for all work undertaken on the machine:

- Keep to the valid national and international job safety provisions.
- · Only operate the machine ...
 - In a technically satisfactory condition
 - In a safety and danger-conscious manner
 - As intended
 - With attention paid to this operating manual and
 - With a complete number of unchanged, properly installed and functional protective appliances.
- Wear the appropriate personal protective gear for all work undertake on the machine ► Chapter 2.5, Page 9.
- · Pay attention to all the safety labels attached to the machine
- Only Walter Stauffenberg GmbH & Co.KG is to carry out work on the electrical equipment.
- Immediately rectify faults which affect your safety and a reliable operation of the machine. Place the machine out of service until the fault is rectified.
- Except for tools, only Walter Stauffenberg GmbH & Co.KG is to replace components.



- Keep away from moving component parts. Wear close fitting clothes.
 Bundle long hair to prevent it from being drawn into the machine. Take off rings and necklaces before the work.
- Be aware of the presence of residual energies in mechanical, hydraulic and electrical components.

2.2 Intended use

The cutting ring machine is solely for mechanical pre-assembly (50%-pre-assembly) of cutting rings on light and heavy series tube ends for 6 mm to 42 mm tube external diameters.

The machine is used together with assembly studs specially designed for mechanical mounting.

The assembling parameters saved in the machine apply solely to the use of an original STAUFF cutting ring FI-DS-.-W3. in combination with the seamless tube acc. EN10305-4 with material E235+N and E355+N and the original STAUFF union nut FI-M-...-W3.

For Pre-assemblies with different material or material combination the operator has to check separately the correct seating and cutting edge overlap. If the result is not ok the operator can adjust the machine The result of the assembly has to be checked from the operator!

The machine may only be used within the specifications prescribed in the Technical Data chapter ▶ Chapter 3.2, Page 10 and with due consideration given to the maintenance requirements and instructions in this manual and in the associated documents in force.

No changes, attachments or conversions are to be carried out without consultations had with the manufacturer. These kinds of modifications could limit the fail-safeness of the machine and are deemed to be at variance to the intended use.

Any use other than that indicated in the use as intended is not allowed.

2.3 Tasks and obligations of the company operator

Not only the instructions and information in this operating manual are to be followed but also the general, statutory and other mandatory regulations on accident prevention and environmental protection.

To ensure fail-safe machine operation, the company operator must at least ...

- Ensure that the machine is only run as intended, is in a proper state, has the full complement of safety appliances and reveals no signs of damage.
- Establish the operative range and prepare the corresponding operating instructions.
- Always keep the safety labels attached to the machine complete and legible.
- Always have available the operating manual in a complete and legible form where the machine is deployed.
- Instruct those operating the machine as to the work involved with it.



- Acquire the specifications applicable to the machine in their most recent version and to familiarize personnel working on the machine with them.
- Provide the personnel operating the machine with the required personal protective gear.
- · Carry out a safety briefing at the machine itself.
- · Ensure that ventilation and lighting of the working area is adequate.

2.4 Personnel eligibility

Whatever the work on the machine, it is only to be carried out by personnel qualified and authorised to do just that. Personnel instructed, trained or briefed in the work involved is judged to be qualified. This is to be backed up by appropriate certificates and supporting records.

A distinction is made in this manual between:

- Operating personnel those who have been demonstrably briefed in both operating the machine and in its mode of operation. They put in the data required for the operation and carry out the requisite operating steps to operate the machine. They are also responsible for simple servicing work and fault rectification as specified in the inspection and maintenance plan and in fault rectification.
- Personnel learning on the job may only work on the machine under the constant supervision of personnel eligible to perform this work.

2.5 Personal protective gear

The following personal protective gear is prescribed for those working on the machine:



Wear close-fitting working clothes!



Wear safety boots!





3 Machine Description

3.1 Overview of machine



3: Operating elements overview

| Pos. | Designation | Description |
|--------------------------------------|----------------------|---|
| 1 | Device | Ergonomically, light-weight and robust design |
| 2 | Assembling area | Processing workpiece |
| Release button Releasing the machine | | Releasing the machine |
| 4 | Press button | For operation the machine |
| 5 | Rechargeable battery | Lithium-ion (18V / 5.0 Ah) |
| 6 | Mode dial | To manually adjust the pressure; on the bottom of the machine |
| 7 | Status lights | On the back of the machine |

3.2 Technical Data

| General data | | |
|--|--|--|
| 440 mm x 330 mm x 80 mm | | |
| 17.32 in x 12.99 in x 3.15 in 6,8 kg / 15 lbs | | |
| | | |

| Rechargeable Battery (Battery operated) | | |
|---|----------------------------|--|
| Battery type: | Lithium-ion (18V / 5.0 Ah) | |



3.3 Function

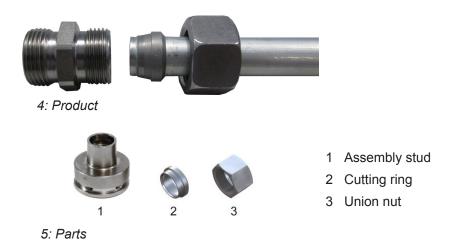
The machine mechanically mounts cutting rings (50%-pre-assembly) onto tube ends. Use can be made of light and heavy series tubes for tube diameters between 6 mm and 42 mm.

The machine is used together with assembly studs specially designed for mechanical mounting.

The assembling parameters saved in the machine apply solely to the use of an original STAUFF cutting ring FI-DS-.-W3. in combination with the seamless tube acc. EN10305-4 with material E235+N and E355+N and the original STAUFF union nut FI-M-...-W3.

3.4 Tools and Product

The cutting ring pre-assembly machine mounts cutting rings onto tube ends.



The construction size is labelled on the assembly stud:

- · The number corresponds to the tube external diameter
- · L stands for the Light Series
- · S stands for the Heavy Series

Please refer to the STAUFF Connect Product Catalogue for additional information on selection of the construction size.



3.5 Type plate

The type plate is on top of the machine.



6: Type plate

3.6 Spares and wear parts

IMPORTANT

Replacing components

Machine damage, malfunctions, faults

- ➤ Only Walter Stauffenberg GmbH&Co.KG is to carry out work involving opening up the machine!
- ► Only authorized rigging and maintenance personnel are to carry out servicing work!
- ▶ Only use appropriate tools which are in a good condition!
- ► Only replace components with genuine spares or those authorized by the manufacturer!



4 Operation

To ensure fail-safe operations, the machine is only to be operated as intended.

4.1 Safety

MARNING

Risks from fingers shearing off and being injured

- ► Ensure before start-up that all safety equipment is properly installed and in working order!
- ► Make sure your fingers are not in the assembly area when carrying out the machine functions!

A CAUTION

Danger from incorrect operating and behaviour of the operator of the machine

- ► Those operating the machine must have read and understood the operating manual!
- ► Those operating the machine must be trained and instructed in handling it!

⚠ CAUTION

Danger from the operator meddling with the safety equipment

Ensure before start-up of the machine that all safety equipment is properly installed and operable! ► Those operating the machine must be trained and instructed in handling it!

MARNING

Read all safety warnings and all instructions.

- ▶ Do not use the machine for anything else than pre-assembling of cutting rings as instructed. Any other use of machine is forbidden.
- ► The machine weights approximately 7 kg, so please always use the shoulderstrap to prevent dropping the machine and causing injury
- Before using the machineholder accessory, please remove the shoulderstrap and battery from machine. Do the same when removing machine from machineholder
- ► Always keep the machine clean and inspect the machine of any irregularities. A broken or damaged machine should never be used
- ► If machine suddenly stops mid-cycle and is stuck on tube, it is easily removable by decreasing the pressure setting from machine body



4.1.1 Work area safety

MARNING

Keep work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.

Power tools create sparks which may ignite the dust or fumes.

Keep bystanders away while operating a power tool.

Distractions can cause you to lose control.

4.1.2 Electrical safety

MARNING

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

If battery contents come into contact with the skin, immediately wash the area with mild soap and water. If the battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.

4.1.3 Personal safety

⚠ WARNING

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

Prevent unintentional starting. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.



4.1.4 Power tool use and care

MARNING

Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.



4.2 Choose the right parts

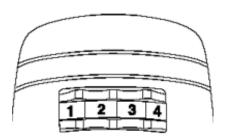
► Choose the nut, cutting ring and socket to match the tube. Notice differences between L- and S-types.

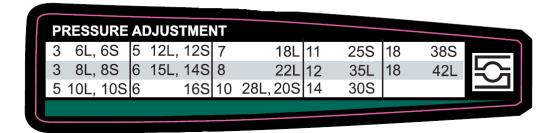
4.3 Turning on machine

➤ Turn on the machine from the power button found on the back of the machine body. The battery light found on the same panel indicates your battery power level by color. If the maintenance light is on, please contact your dealer. The machine turns off automatically when inactive.

4.4 Setting the working pressure

▶ Pressure can be adjusted underneath the body of the machine. Pressure settings are listed on the side panel of the machine. As different couplings and materials require different working pressure, please check the function of the cutting ring after every installation and make sure it is installed correctly.





4.5 Socket change

▶ Adjust pressure to minimum. Push the press button until the groove on the piston or socket is visible. Detach the battery from the machine as measure of precaution. Detach the socket pin and the socket from the machine. Place new socket on the end of the piston and fasten it with the socket pin. Make sure that the socket is properly attached.

Attach the battery to the machine and by pressing the release button return the piston back to starting position.

Apply oil on the inner surface of the socket. Oil is content of the set.

ATTENTION: Observe the handling and safety instructions on the oil bottle!

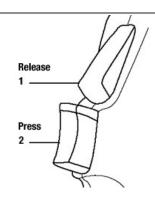


4.6 Tube installation

- ▶ Tube preparation: The tubes are prepared in keeping with tube and assembling preparation of the assembling instructions of the STAUFF Connect Product Catalogue. Refer on this to Chapter Assembly instructions in the STAUFF Connect Product Catalogue.
- ▶ Place the nut and the cutting ring on the tube. Place the tube firmly against the socket so that the nut and the cutting ring are between the socket and the clamps. Make sure that the tube is straight in the middle of the clamps and in the right angle. Make sure that no fingers or anything irrelevant is between clamps and socket.

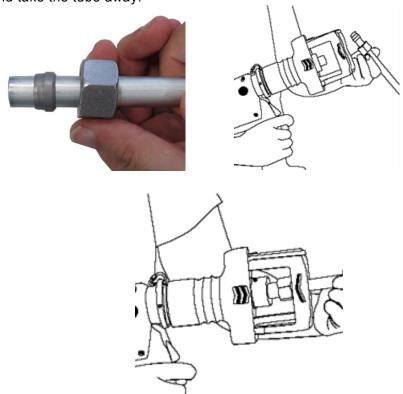


Fit support sleeves for thin-walled tubes in keeping with the STAUFF Connect Product Catalogue!



4.7 Pre-assembly

▶ Make sure that nothing irrelevant is between brackets and socket. Pre-assembly is done by holding the machine firmly with other hand and holding the tube from outside the clamps with the other hand and pushing it against the socket. Push the press button until the automatic release happens. Release the press button. Push the release button and return the piston back to starting position. Open brackets and take the tube away.





4.8 Checking the pre-assembly

▶ Check that pre-assembly is done correctly, right amount of pressure was applied and that the cutting ring is attached to the tube in the right way.
The cutting ring might be too loose or the tube can be deformed from too much pressure. If the pre-assembly is not good enough, tube must be cut and a new pre-assembly has to be made. Adjust the working pressure again if needed.

Remember to turn the pressure adjustment to minimum every time you stop working. Never use the machine if you notice any functional or mechanical problems. The manufacturer is not responsible of any damage caused by faulty machine. In problem situations contact your dealer.



► Final assembly: For final assembly in the fitting body, do follow the detailed instructions in the assembly instructions in the STAUFF Connect Product Catalogue.

4.9 Service

► Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Check the machine for breakage or other flaws. Brackets that are bent, bracket springs that are broken or tooling that are damaged will cause unwanted results.



5 Shut-down

5.1 Safety

⚠ WARNING

Carrying out dismantling

Serious or lethal injuries

- ▶ Only authorized specialist personnel is to carry out dismantling work!
- ▶ Only use appropriate tools which are in a good condition!
- ► Wear your personal protective gear for all work!

⚠ CAUTION

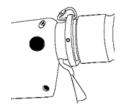
Work on the hydraulic system

Eye injuries possible from hydraulic oil being squirted out

- ▶ Depressurize the machine!
- ► Only Walter Stauffenberg GmbH &Co.KG is to carry out work involving opening up the machine!
- ➤ Wear your personal protective gear incl. goggles for all work undertaken on the hydraulic system!



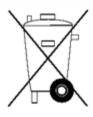
5.2 Dismantling



MARNING

Don't dismantle the machine, because the internal hydraulic pressure can reach 700 bar during normal use. This should only be done by authorized technicians.

5.3 Disposal



Do not dispose of electric tools together with household waste material! In observance of European Directive 2002/96/EC on waste 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 and environmentally compatible recycling facility.



6 Battery



The tool is supplied with lightly loaded batteries. Before using, load batteries by using the charger supplied with the tool. Before a prolonged stocking, recharge battery.

Never force the battery pack into charger. Do not modify the battery pack in



any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury Do not store or use the tool and battery pack in locations where the

temperature may reach or exceed 40°C.

Do not incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire. Toxic fumes and materials are created when lithium ion battery packs are burned.

⚠ WARNING

Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert it into the charger. Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocution may result. Damaged battery packs should be returned to the service centre for recycling.

⚠ WARNING

Contents of opened battery cells may cause respiratory irritation. Provide fresh air. If symptoms persists, seek medical attention.

If battery contents come into contact with the skin, immediately wash the area with mild soap and water. If the battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.

⚠ WARNING

Burn hazard. Battery liquid may be flammable if exposed to spark or flame.



6.1 Labels on Charger and Battery Pack



In addition to the pictographs used in this manual, the labels on the charger and the battery pack show the following pictographs: Read instruction manual before use.



Battery charged.



Use only with battery packs supplied with tool. Others may burst causing personal injury and damage.



Discard the battery pack with due care for the environment.

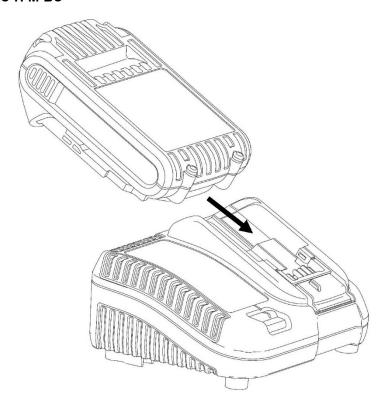


Do not incinerate the battery pack.

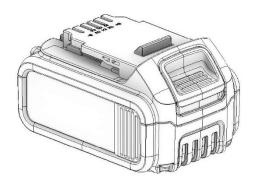


7. Battery Charger and Battery Pack

Battery Charger SPR-PRC-H-M-BC



Battery Pack SPR-PRC-H-M-BP





7.1 Technical Data

| Charger SPR-PRC-H-M-BC | | |
|------------------------|-------------------------------------|--|
| Output | 10.8 V, 14.4 V, 18 V DC | |
| Main voltage | 230 V AC | |
| Battery type | Li-lon | |
| Approx. Charging time | 75min battery 5.0Ah | |
| Charger current | | |
| Input | 1.0 A | |
| Output | 4.0 A | |
| | | |
| Weight | 0.500 kg | |
| Fuses | | |
| Europe | 230 V tools; 10 Amperes, mains | |
| U.K. & Ireland | 230 V tool; 4 Amperes; fuse in plug | |

7.2 Warnings structure

Coloured signal word boxes emphasise the warnings. Always read the full warning text for effective protection from hazards!

The various colours and signal words of the following boxes designate various danger levels:



Ignoring this warning results in death or serious injury.

MARNING

Ignoring this warning can result in death or serious injury.

⚠ CAUTION

Ignoring this warning may result in minor or moderate injury.

IMPORTANT

Ignoring this warning can result in property damage.



Denotes risk of electric shock.



Denotes risk of fire.



7.3 Safety instructions

Before using the charger, read all instructions and cautionary markings on the charger, battery pack, and product using the battery pack.

MARNING



Shock hazard. Do not allow any liquid to get inside charger. Electric shock may result.

MARNING

We recommend the use of a residual current device with a residual current rating of 30 mA or less.

A CAUTION



Burn hazard. To reduce the risk of injury, charge only rechargeable batteries. Other types of batteries may burst causing personal injury and damage.

A CAUTION

Children should be supervised to ensure that they do not play with the appliance.

IMPORTANT

Under certain conditions, with the charger plugged in to the power supply, the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, grinding dust, metal chips, steel wool, aluminum foil, or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.

▶ DO NOT attempt to charge the battery pack with any chargers other than the ones delivered. The charger and battery pack are specifically designed to work together.



- ▶ These chargers are not intended for any uses other than charging rechargeable batteries. Any other uses may result in risk of fire, electric shock or electrocution.
- ▶ Do not expose charger to rain or snow.



- ▶ Pull by plug rather than cord when disconnecting charger. This will reduce risk of damage to electric plug and cord.
- ▶ Make sure that cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.



▶ Do not use an extension cord unless it is absolutely necessary.

Use of improper extension cord could result in risk of fire, electric shock, or electrocution.



▶ Do not place any object on top of charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat. Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.



▶ Do not operate the charger with damaged cord or plug - have them replaced immediately.





▶ Do not operate charger if it has received a sharp blow, been dropped or otherwise damaged in any way. Take it to an authorised service centre.



▶ Do not disassemble charger; take it to an authorised service centre when service or repair is required. Incorrect reassembly may result in a risk of electric shock, electrocution or fire.





▶ In case of damaged power supply cord the supply cord must be replaced immediately by the manufacturer, its service agent or similar qualified person to prevent any hazard.



- ▶ Disconnect the charger from the outlet before attempting any cleaning. This will reduce the risk of electric shock. Removing the battery pack will not reduce this risk.
- ▶ NEVER attempt to connect 2 chargers together.
- ► The charger is designed to operate on standard 230V household electrical power. Do not attempt to use it on any other voltage. This does not apply to the vehicular charger.

7.4 Chargers

The SPR-PRC-H-M-BC charger accepts 18V Li-lon batteries 5.SPR-PRC-H-M-BP which is supplied with the STAUFF SPR-PRC-H.

This charger requires no adjustment and is designed to be as easy as possible to operate.

7.5 Charging procedure

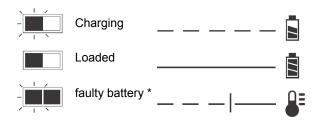
- 1. Plug the charger into an appropriate outlet before inserting the battery pack.
- 2. Insert the battery pack into the charger. The red (charging) light will blink continuously indicating that the charging process has started.
- 3. The completion of charge will be indicated by the red light remaining ON continuously. The pack is fully charged and may be used at this time or left in the charger.

IMPORTANT

To ensure maximum performance and life of Li-Ion batteries, charge the battery fully before first use.

7.6 Charging process

Refer to the table below for the state of charge of the battery pack.



* The red light will continue to blink, but a yellow indicator light will be illuminated during this operation. Once the battery has reached an appropriate temperature, the yellow light will turn off and the charger will resume the charging procedure.

This charger will not charge a faulty battery pack. The charger will indicate faulty battery by refusing to light.

IMPORTANT

This could also mean a problem with a charger.

If the charger indicates a problem, take the charger and battery pack to be tested at an authorized service center.



7.7 Hot/Cold Pack delay

When the charger detects a battery that is too hot or too cold, it automatically starts a hot/cold pack delay, suspending charging until the battery has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery life.

A cold battery pack will charge at about half the rate of a warm battery pack. The battery pack will charge at that slower rate throughout the entire charging cycle and will not return to maximum charge rate even if the battery warms.

7.8 Lithium-Ion Battery Packs only

The tools are designed with an Electronic Protection System that will protect the battery against overloading, overheating or deep discharge.

The tool will automatically turn off if the Electronic Protection System engages. If this occurs, place the lithium-ion battery on the charger until it is fully charged.

7.9 Important Safety Instructions for all Battery Packs

When ordering replacement battery packs, be sure to include the catalog number and voltage.

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below. Then follow charging procedures outlined.



▶ Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Inserting or removing the battery from the charger may ignite the dust or fumes.



▶ Never force the battery pack into charger. Do not modify the battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.



- ► Charge the battery packs only in designated chargers.
- ▶ DO NOT splash or immerse in water or other liquids.



▶ Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40°C (104°F) (such as outside sheds or metal buildings in summer).

⚠ WARNING

Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert it into the charger. Do not break, drop or damage battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (i.e., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocution may result. Damaged battery packs should be returned to the service centre for recycling.

⚠ CAUTION

When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard. Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.



7.10 Specific Safety Instructions for all Lithium-Ion

- ▶ Do not incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire. Toxic fumes and materials are created when lithium ion battery packs are burned.
- ▶ If battery contents come into contact with the skin, immediately wash the area with mild soap and water. If the battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.
- ► Contents of opened battery cells may cause respiratory irritation. Provide fresh air. If symptoms persists, seek medical attention.



⚠ WARNING

Burn hazard. Battery liquid may be flammable if exposed to spark or flame.

7.11 Transportation

Batteries comply with all applicable shipping regulations as prescribed by industry and legal standards which include UN Recommendations on the Transport of Dangerous Goods; International Air Transport Association (IATA) Dangerous Goods Regulations, International Maritime Dangerous Goods (IMDG) Regulations, and the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR). Lithium-ion cells and batteries have been tested to section 38.3 of the UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria.

In most instances, shipping a battery pack will be excepted from being classified as a fully regulated Class 9 Hazardous material. In general, the two instances that require shipping Class 9 are:

- 1 Air shipping more than two lithium-ion battery packs when the package contains only battery packs (no tools), and
- Any shipment containing a lithium-ion battery with an energy rating greater than 100 watt hours (Wh). All lithium-ion batteries have the watt hour rating marked on the pack.

Regardless of whether a shipment is considered excepted or fully regulated, it is the shipper's responsibility to consult the latest regulations for packaging, labeling/marking and documentation requirements.

Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with the applicable regulations.



7.12 Battery Pack

Storage Recommendations

- The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold. For optimum battery performance and life, store battery packs at room temperature when not in use.
- 2. For long storage, it is recommended to store a fully charged battery pack in a cool, dry place out of the charger for optimal results.

IMPORTANT

Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.

7.13 Labels on Charger and Battery Pack

In addition to the pictographs used in this manual, the labels on the charger and the battery pack may show the following pictographs: Read instruction manual before use.



Read instruction manual before use



See Technical Data for charging time



Battery charging



Battery charged



Battery defective



Hot/cold pack delay



Do not probe with conductive objects



Do not charge damaged battery packs



Do not expose to water



Have defective cords replaced immediately



Charge only between 4°C and 40°C (39°F and 104°F)



Only for indoor use Discard the battery pack with due care for the environment



Charge battery packs only with designated chargers.



Charging battery packs other than the designated batteries with a charger may make them burst or lead to other dangerous situations.



Do not incinerate the battery pack



7.14 Package

IMPORTANT

► Check for damage to the charger, parts or accessories which may have occurred during transport.

7.15 Date Code position

The Date Code, which also includes the year of manufacture, is printed into the underside of the housing.

Example: 2017 XX XX Year of Manufacture

7.16 Intended use

The SPR-PRC-H-M-BC is designed for charging Li-Ion 18V battery packs SPR-PRC-H-M-BP

▶ DO NOT use under wet conditions or in presence of flammable liquids or gases.

These battery chargers and battery packs are professional tools.

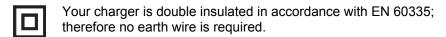
- ▶ **DO NOT** let children come into contact with the charger. Supervision is required when inexperienced operators use this charger.
- ▶ Young children and the infirm. This appliance is not intended for use by young children or infirm persons without supervision.
- ▶ This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities, or for lack of experience and/or for want of knowledge or skills unless they are supervised by a person responsible for their safety.

Children should never be left alone to play with this product.

Only use rechargeable batteries (SPR-PRC-H-M-BP) with this charger (SPR-PRC-H-M-BC)

7.17 Electrical safety

The electric motor has been designed for one voltage only. Always check that the battery pack voltage corresponds to the voltage on the rating plate. Also make sure that the voltage of your charger corresponds to that of your mains.



If the supply cord is damaged, it must be replaced by a specially prepared cord available through the service organisation.



7.18 Mains Plug Replacement (U.K. & Ireland only, if separately ordered)

If a new power plug needs to be fitted:

- Safely dispose of the old plug.
- ► Connect the brown lead to the live terminal in the plug.
- Connect the blue lead to the neutral terminal.



⚠ WARNING

No connection is to be made to the earth terminal.

Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 4A.

7.19 Using an Extension Cable

An extension cord should not be used unless absolutely necessary. Use an approved extension cable suitable for the power input of your charger (see technical data). The minimum conductor size is 1mm²; the maximum length is 30m.

When using a cable reel, always unwind the cable completely.

7.20 Maintenance

Your tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

MARNING



To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/ installing attachments or accessories.

An accidental start-up can cause injury.

The charger is not serviceable. There are no serviceable parts inside the charger.

▶ Do not attempt to repair the charger. To assure product safety and reliability, repairs, maintenance, and adjustments should be performed by authorized service centers.



7.21 Cleaning

MARNING

Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.

MARNING

Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

MARNING

Charger cleaning instructions

Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

7.22 Optional Accessories

MARNING

Since accessories, other than those offered, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only recommended accessories should be used with this product.

Consult Walter Stauffenberg GmbH&Co.KG for further information on the appropriate accessories.



7.23 Protecting the Environment



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions.

7.24 Rechargeable Battery Pack

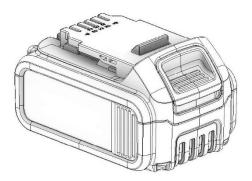
This long life-battery pack must be recharged when it fails to produce sufficient power on jobs which were easily done before. At the end of its technical life, discard it with due care for our environment:

- ▶ Run the battery pack down completely, then remove it from the tool.
- ▶ Li-Ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.



8. Battery Pack

Battery Pack SPR-PRC-H-M-BP



8.1 Important Safety Instructions for all Battery Packs

When ordering replacement battery packs, be sure to include the catalog number and voltage.

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below and then follow the charging procedures outlined.



▶ Do not charge or use the battery pack in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Inserting or removing the battery pack from the charger may ignite the dust or fumes.



- ▶ Never force the battery pack into charger. Do not modify the battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.
- ► Charge the battery packs only in designated chargers.
- ▶ **DO NOT** splash or immerse in water or other liquids.
- ▶ Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40°C (105°F) (such as outside sheds or metal buildings in summer).

For best results, make sure the battery pack is fully charged before use.

MARNING

Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert it into the charger. Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocution may result. Damaged battery packs should be returned to the service centre for recycling.



8.2 Specific Safety Instructions for Lithium-Ion

- ▶ Do not incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire. Toxic fumes and materials are created when lithium ion battery packs are burned.
- ▶ If battery contents come into contact with the skin, immediately wash the area with mild soap and water. If the battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.
- ► Contents of opened battery cells may cause respiratory irritation. Provide fresh air. If symptoms persists, seek medical attention.



MARNING

Burn hazard. Battery liquid may be flammable if exposed to spark or flame.

8.3 Battery Pack

Storage Recommendations

The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold. For optimum battery performance and life, store battery packs at room temperature when not in use.

IMPORTANT

Li-lon battery packs should be fully charged when stored. For long storage, it is recommended to store a fully charged battery pack in a cool, dry place out of the charger for optimal results.

IMPORTANT

Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.



8.4 Labels on Charger and Battery Pack

In addition to the pictographs used in this manual, the labels on the charger and the battery pack may show the following pictographs:



Read instruction manual before use.



Use only with battery packs supplied with tool.
Others may burst causing personal injury and damage.





Discard the battery pack with due care for the environment.



Do not incinerate the battery pack.



9 EC Statement of Conformity

EU Declaration of Conformity

- 1. Product model: SPR-PRC-H-M
- 2. Name and address of the manufacturer or his authorised representative:

Walter Stauffenberg GmbH & Co. KG

Im Ehrenfeld 4 58791 Werdohl Germany

- 3. This declaration of conformity is issued under the sole responsibility of the manufacturer.
- 4. Object of the declaration:

Equipment: Preassembly tool for hydraulic fittings

Brand name: STAUFF Model/type: SPR-PRC-H-M

5. The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

2006/42/EC Machinery

2014/35/EC Low Voltage Directive (LVD)

2014/30/EC Electromagnetic Compatibility Directive (EMC)

2011/65/EC Restriction of Hazardous Substances (RoHS) Directive

6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

Machinery: EN ISO 15744 (12:2008)

EN ISO 3744 (02 : 2012) EN ISO 11201 (12 : 2010) EN ISO 20643 (09 : 2008) EN ISO 5349-1 (04 : 2002)

LVD: EN 60335-2:2012

EN 60335-2-7:2010

EMC: EN 55014-1:2006 + A1:2009 + A2:2011

EN 55014-2:1997 + A1:2001 + A2:2008

RoHS: EN 50581:2012

7. Signed for and on behalf of:

Manufacturer:

Walter Stauffenberg GmbH & Co. KG

Signature Carsten Krenz General Manager

Feedback

Let us know about any questions, suggestions or criticism you might have about your machine or this documentation:

Walter Stauffenberg GmbH & Co. KG Im Ehrenfeld 4 58791 Werdohl

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Many thanks for your support.