

# Operating Instructions

— Pipe sanding machine

— RSM 620

— RSM 760



RSM 620



RSM 760

RSM-SERIES

## Imprint

### Product identification

Pipe sanding machine	Item number
RSM 620	3990620
RSM 760	3990760

### Manufacturer

Stürmer Maschinen GmbH  
Dr.-Robert-Pfleger-Str. 26  
D-96103 Hallstadt

Fax: 0049 (0) 951 96555 - 55

Email: info@metalkraft.de  
Internet: www.metalkraft.de

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### Indications regarding the copyright

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## 1 Introduction

You have made a good choice by purchasing the METALLKRAFT pipe belt grinder.

**Read the operating instructions carefully before commissioning.**

This is an important part and must be kept near the machine and accessible to every user.

The operating instructions inform you about the proper commissioning, the intended use as well as the safe and efficient operation and maintenance of the pipe belt grinder. In addition, observe the local accident prevention regulations and general safety regulations for the area of application of the pipe belt grinder.

### 1.1 Copyright

The contents of these instructions are protected by copyright and are the sole property of Stürmer Maschinen GmbH. Their use is permitted within the scope of the use of the pipe belt grinder. Any other use is not permitted without the written consent of the manufacturer.

Passing on as well as duplication of this document, utilization and communication of its contents are forbidden, as far as not expressly permitted. Violations will result in liability for damages. We register trademark, patent and design rights for the protection of our products, if this is possible in individual cases. We emphatically oppose any infringement of our intellectual property.

### 1.2 Customer service

Please contact your dealer if you have any questions about your machine or technical information. There you will be happy to help with expert advice and information.

**Germany:**

Stürmer Maschinen GmbH  
Dr.-Robert-Pfleger-Str. 26  
D-96103 Hallstadt

**Repair-Service:**

Fax: 0049 (0) 951 96555-111  
Email: service@stuermer-maschinen.de

**Spare part orders:**

Fax: 0049 (0) 951 96555-119  
Email: ersatzteile@stuermer-maschinen.de

We are always interested in valuable experience and knowledge gained from using the application-which then could be shared and be valuable to develop our products even further.

## 1.3 Limitation of liability

All information and notes in these operating instructions were summarised taking the applicable standards and rules, the state-of-the-art and our long-term knowledge and experiences into consideration.

In the following cases the manufacturer is not liable for damages:

- Non-observance of the operating instructions,
- Inappropriate use,
- Use of untrained staff,
- Unauthorised modifications,
- Technical changes,
- Use of not allowed spare parts.

The actual scope of delivery may deviate from the explanations and presentations described here in case of special models, when using additional ordering options or due to latest technical modifications.

The obligations agreed in the delivery contract, the general terms and conditions as well as the delivery conditions of the manufacturer and the legal regulations at the time of the conclusion of the contract are applicable.

## 2 Safety

This paragraph will give you an overview of all important safety packages for the protection of persons as well as for the safe and undisturbed operation. Other taskbased safety notes are included in the individual chapters.

### 2.1 Symbol explanation

**Safety instructions**

The safety notes in these operating instructions are highlighted by symbols. The safety notes are introduced by signal words which express the concern of the risk.

**DANGER!**

This combination of symbol and signal words indicate an imminently dangerous situation which may lead to death or severe injuries if they are not avoided.

**WARNING!**

This combination of symbol and signal words indicate a possibly dangerous situation which may lead to death or severe injuries if they are not avoided.

**CAUTION!**

This combination of symbol and signal words indicate a possibly dangerous situation which may lead to minor or light injuries if they are not avoided.

**ATTENTION!**

This combination of symbol and signal word indicates a potentially hazardous situation which, if not avoided, could result in property damage and environmental damage.

**NOTE!**

This combination of symbol and signal words indicate a possibly dangerous situation which may lead to property and environmental damages if they are not avoided.

**Tips and recommendations****Tips and recommendations**

This symbol highlights useful tips and recommendations as well as information for an efficient and trouble-free operation.

It is necessary to observe the safety notes quoted in these operating instructions in order to reduce the risks for personal injuries and damages to property.

**2.2 Responsibility of the operator**

The operator is the person who operates the machine for commercial or commercial purposes himself or leaves it to a third party for use or application and bears legal product responsibility during operation for the protection of the user, the personnel or third parties.

**Obligations of the operator:**

If the device is used for commercial purposes, the operating company of the device must comply with the legal working safety regulations. Therefore, the safety notes in this operating manual, as well as the safety, accident prevention and environment protection regulations applying for the area of application of the device must be met. The following applies in particular:

- The operating company must be informed about the applying industrial safety regulations and further analyse hazards resulting from the special working conditions at the place of use of the device. She must implement these in form of operating manuals for the operation of the device.
- During the entire lifetime of the device, the operating company must verify whether the operating manuals prepared by her correspond to the current status of the regulations, and must adapt these if necessary.
- The operating company must unambiguously regulate and determine the responsibilities for installation, operation, troubleshooting, maintenance and cleaning.
- The operating company must ensure that all persons who work with the device, have read and understood this manual. Furthermore she must instruct the staff in regular intervals and inform them about the hazards.
- The operator must provide the necessary protective equipment to the staff and order the use of the necessary protective equipment in a binding way.

Furthermore, the operator is responsible for ensuring that the machine is always in perfect technical condition. Therefore, the following applies:

- The operator must ensure that the maintenance intervals described in this manual are observed.
- The operator must have all safety equipment regularly checked for functionality and completeness.

**2.3 Qualification of the staff**

The different tasks described in this manual represent different requirements to the qualification of the persons entrusted with these tasks.



**WARNING!**

**Danger in case of insufficient qualification of the staff!**

Insufficiently qualified persons cannot estimate the risks while using the device and expose themselves and others to the danger of severe or lethal injuries.

- Have all works only performed by qualified persons.
- Keep insufficiently qualified persons out of the working area.

Only persons reliable working procedures can be expected from, are allowed to perform all works. Persons the responsiveness of which is affected by e. g. drugs, alcohol or medication, are not allowed to work with the machine.

The qualifications of the personnel for the different tasks are mentioned below:

**Operator:**

The operator is instructed by the operating company about the assigned tasks and possible risks in case of improper behaviour. Any tasks which need to be performed beyond the operation in the standard mode must only be performed by the operator if it is indicated in these instructions and if the operating company expressly commissioned the operator.

**Electrical specialist:**

Due to his professional training, knowledge and experience as well as his knowledge of respective standards and regulations the electrical specialist is able to perform works on the electrical system and to recognise and avoid any possible dangers himself.

The electrical specialist is specially trained for the working environment in which he is working and knows the relevant standards and regulations.

**Specialist staff:**

Due to their professional training, knowledge and experience as well as their knowledge of relevant regulations the specialist staff is able to perform the assigned tasks and to recognise and avoid any possible dangers themselves.

**Manufacturer:**

Certain works may only be performed by specialist personnel of the manufacturer. Other personnel is not authorized to perform these works. Please contact our customer service for the execution of all arising work.

**2.4 Personal protective equipment**

The personal protective equipment serves to protect persons against impairments of safety and health while working. The staff has to wear personal protective equipment while performing different works on and with the device which are indicated in the individual paragraphs of these instructions.

The personal protective equipment is explained in the following paragraph:



**Head protection**

The industrial helmet protects the head from falling objects and knocking against fixed objects.



**Ear protection**

The hearing protection protects the ears against damages of hearing due to noise.



**Eye protection**

The protective goggles protect the eyes against parts flying off and splashes of liquids.



**Protective gloves**

The protective gloves serve to protect the hands against sharp components as well as against friction, abrasions or deep injuries.



**Safety boots**

The safety boots protect the feet against crushes, falling parts and slipping over on slippery underground.



**Protective clothes**

The protective clothes serve to protect the body against sharp components as well as against friction, abrasions or deep injuries.

## 2.5 General Power Tool Safety Warnings



### WARNING!

Read all safety instructions, instructions, illustrations and technical data provided with this power tool.

Failure to follow the instructions below may result in electric shock, fire and / or serious injury.

Keep all safety and instructions for the future.

### 1 Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### 2 Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### 3 Personal safety

- a) **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.

- b) **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.
  - c) **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
  - d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
  - e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
  - f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
  - g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
  - h) **Do not think yourself safe and do not overstep the safety rules for power tools, even if you are familiar with the power tool after many uses.** Careless action can lead to severe injuries within fractions of a second.
- ### 4) Power tool use and care
- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
  - b) **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.
  - c) **Disconnect the plug from 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.
  - d) **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.



- e) **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.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **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.
- h) **Keep handles and grips dry, clean and free of oil and grease.** Slippery handles and gripping surfaces do not allow safe operation and control of the power tool in unforeseen situations.

### 5) Service

- a) **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.

## 2.6 Safety devices

To protect against flying sparks, a protective cover is attached to the housing above the sanding belt.

### For devices with motor protection:

If the engine shuts off in the event of an overload, allow it to cool down for at least 3 minutes and eliminate the cause of the overload before restarting the engine.

## 2.7 Safety markings

The Pipe sanding machine has safety markings and instructions (Fig. 1) which must be observed and followed.



Fig. 1: Safety information - 1 Safety instructions | 2 direction of rotation

Damaged or missing safety symbols on the machine can lead to malfunctions with personal injury and material damage. The safety symbols attached to the machine must not be removed. Damaged safety symbols must be replaced immediately.

From the moment the signs are not immediately recognizable and comprehensible, the machine must be taken out of service until the new signs are fitted.

## 2.8 Safety data sheets

Safety data sheets on hazardous materials can be obtained from your specialist dealer or by calling +49 (0)951/96555-0. Specialist dealers can find safety data sheets in the download area of the partner portal.

## 3 Intended use

The pipe belt grinding machine is intended exclusively for external cylindrical grinding and deburring of pipes made of metallic materials. Intended use also includes compliance with all the information in these instructions.

### 3.1 Reasonably foreseeable Misapplication

Any use beyond the intended use or any other use is considered misuse.

#### Possible misapplications may include:

- Use of the pipe belt grinder for materials other than metal (e.g. the machining of wood, plastic).
- Simultaneous machining of several workpieces.
- Machining of workpieces which are too large or too heavy or which are not fixed or not fixed enough.
- Operating the pipe belt grinder without the functioning, intended protective devices.
- Installation of spare parts and use of accessories not approved by the manufacturer.
- Service work by untrained or unauthorized personnel.
- Maintenance work on an unsecured pipe belt grinder.
- Machining of several workpieces at the same time in one operation.
- Modifications to the machine or the use of modified tool systems.

Misuse of the pipe belt grinder can lead to dangerous situations.

Stürmer Maschinen GmbH accepts no liability for design and technical modifications to the pipe belt grinder.

Claims of any kind for damage due to improper use are excluded.

### 3.2 Residual risks

Even if all safety regulations are observed and the machine is used in accordance with the regulations, there are still residual risks, which are listed below:

- Impairment of hearing during prolonged work without hearing protection or if this is inadequate.
- Heat development on components can lead to burns and other injuries.
- Risk of injury to fingers and hands from the tool or workpiece.
- Risk of injury from breakage or ejection of the grinding belt.
- Risk of injury due to kickback of workpiece and workpiece parts in the event of improper handling.
- Risk of injury to the eye from flying parts, even with protective goggles.
- Danger from inhalation of grinding particles.

## 4 Technical Data

	RSM 620	RSM 760
Sanding belt length [mm]	620	760
Sanding belt width [mm]	40	40
Belt speed [m/s]	15 - 28	3 - 12
Tube diameter min. [mm]	-	15
Tube diameter max. [mm]	-	180
Speed [rpm]	2300-6500	1600 - 3200
Weight [kg]	5,3	3,4
Engine power (230V/50Hz)	1500 W	1200 W
Motor protection	yes	yes
Start-up control	yes	yes
Dimensions LxWxH [mm]	601x220x182	-

### 4.1 Type plate



Fig. 2: Type plate RSM 620

## 5 Transport, Packaging and Storage

### 5.1 Transport

#### Delivery

Check the device for visible transport damage after delivery. If the device shows damage, it must be reported immediately to the transport company or the dealer.



#### NOTE!

Protect the Pipe sanding machine from moisture.

### 5.2 Packaging

All packaging materials and packaging aids of the device are recyclable and must always be recycled.

Packaging components made of cardboard are crushed to give waste paper collection.

The foils are made of polyethylene (PE) and the upholstery parts made of polystyrene (PS). These substances must be handed over to a recycling center or to the responsible disposal company.

### 5.3 Storage

Store the Pipe sanding machine in the supplied case in a dry, clean and frost-free environment.



## 6 Device description

Illustrations in this operating manual serve the general understanding and may deviate from the actual design.

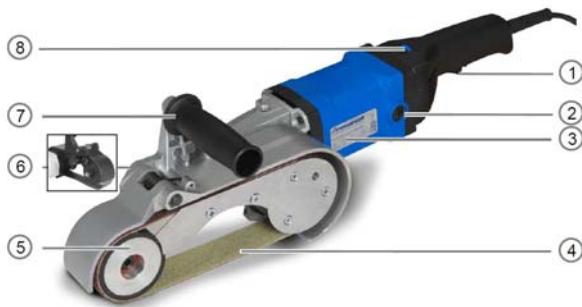


Fig. 3: Device description RSM 620

- 1 On-off switch
- 2 Motor carbon cover
- 3 Nameplate
- 4 Sanding belt
- 5 Tape roll
- 6 Safety bolt
- 7 Front handle
- 8 Speed governor



Fig. 4: Device description RSM 760

- 1 Handle
- 2 Lock button
- 3 On-off switch
- 4 Protective cover
- 5 Drive roller
- 6 Sanding belt
- 7 Clamping arm
- 8 Idler
- 9 Free-running roller
- 10 Spindle lock
- 11 Front handle
- 12 Speed governor

## 7 Installation and Commissioning

### 7.1 Assembly



#### ATTENTION!

Before remodeling the device and installing grinding wheels and abrasives, be sure to switch off the device and disconnect the power plug!

Step 1: Screw on the front handle and tighten by hand.

#### RSM 620:

Step 2: Press the protective cover down and push the locking pin (1, Fig. 5).

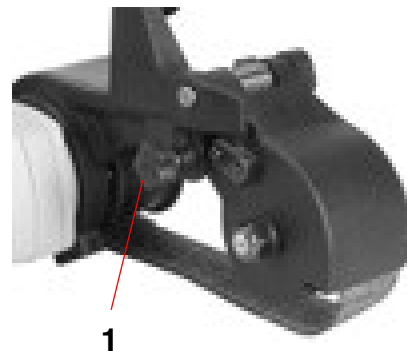


Fig. 5: Tape assembly on the Pipe sanding machine RSM 620

Step 3: When the tape reel is locked, place the tape on the rollers.

Step 4: To tighten the belt loosen the locking bolt.

#### RSM 760:

Step 2: Place the machine with the bottom side up so that it rests on the front handle.

Step 3: Thread the belt onto the drive pulley and idler pulley.

Step 4: Press the clamping arm with the tensioning roller inwards against the tension spring and also pull the belt onto the tensioning roller. Then release the clamping arm to tension the band.

## 7.2 Electrical connection



### DANGER!

#### Danger of electrocution!

Work on the electrical connection may only be carried out by qualified electricians.

It must be ensured that the power connection has the same characteristics (voltage, mains frequency) as the motor.

## 7.3 Set the tape

If the tape does not run on the roll but pulls to one side, the straightness of the tape can be improved by adjusting the angle of the tape roll.

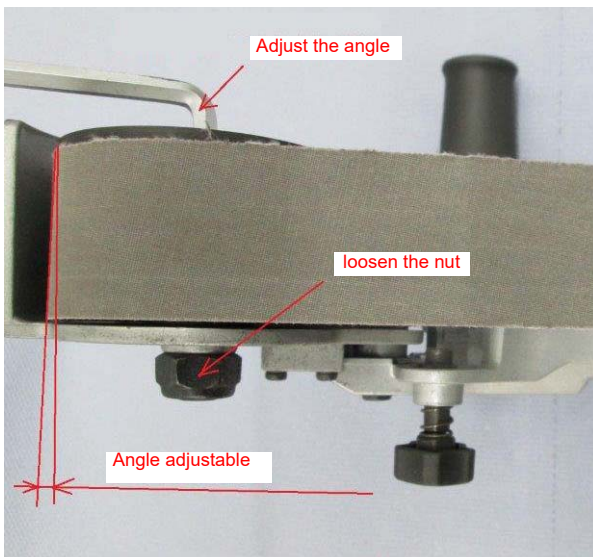


Fig. 6: Adjustment of the tape run

Step 1: Loosen the nut that fixes the shaft of the reel.

Step 2: Adjust the angle of the tape roll by turning the shaft with a 6mm Allen wrench.

Step 3: Tighten the nut that fixes the shaft of the tape roll and check the directional stability of the tape. If necessary, repeat the process.

## 7.4 Grind



### DANGER!

#### Danger of electrocution!

There is danger to life when in contact with live components. Switched on electrical components can cause uncontrolled movements and lead to serious injuries.

- Disconnect the power before starting adjustments to the machine.



### WARNING!

#### Risk of death!

There is danger to life for the operator and other persons if they do not adhere to the following rules.

- The operator may not work while under the influence of alcohol, drugs or medication.
- The operator must not work when he is tired or suffering from concentration-impairing illnesses.
- The Pipe sanding machine may only be operated by one person. Other persons must keep away from the work area during operation.



### CAUTION!

#### Danger of property damage and personal injury!

If a defective machine is used, it may fail and injure persons.

- Check the machine for obvious defects before each use.
- In case of obvious defects do not use the machine.
- Eliminate defects or eliminate them.



### CAUTION!

#### Danger of property damage and personal injury!

When wearing jewelry and other clothing there is danger of catching.

- Do not wear jewelry when working with the machine.
- When working with the machine, wear ear and head protection, safety glasses, safety shoes and protective clothing.
- For long hair, wear a hairnet.



### NOTE!

Before the device is connected to the mains, the on-off switch must be set to "off".



**NOTE!**

Devices with overload protection.  
The motor stops in case of overload. Let the pipe belt grinding machine cool down for at least 3 minutes before switching it on again to prevent any possible engine malfunction (eg engine fires).

- Step 1: Clamp the workpiece securely and stably and check the grinding belt for cleanliness.
- Step 2: Connect the machine to the mains.
- Step 3: Hold the machine firmly by the handle. The grinding head must point away from the body.
- Step 4: Start the machine at the on / off switch and wait until it has reached full speed. To switch off, release the switch.
- Step 5: To lock the on / off switch (1, fig.7) in the depressed position, press the locking knob (2). To switch off, press the release button and release.

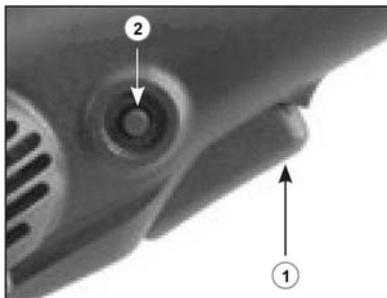


Fig. 7: Lock switch

- Step 6: Set the desired belt speed with the speed controller when the switch (1) is in the locked "ON" position. Always start with a lower speed to work on the workpieces and then gradually adjust them to the requirements of machining.



**WARNING!**

The workpiece must be securely clamped for machining.

- Step 7: Firmly and securely hold the machine by the front and rear handle, start the engine and place the sanding belt flat on the workpiece.
- Step 8: Guide the machine evenly over the pipe. Do not spend too long in a position to avoid overheating and the formation of bumps.
- Step 9: After completing the process, switch off the machine. Make sure that the engine stops before putting the machine down.



**NOTE!**

If substances are applied to the workpiece by the machine (waxes, polishes, cleaning agents), the instructions of the manufacturers of these substances must be read and followed.



**ATTENTION!**

When applying substances to the workpiece, the machine must remain in contact with the workpiece at start-up and until it stops, to prevent it from being thrown away.  
Never apply different substances with the same roller.

## 8 Care, Maintenance and Repair



**DANGER!**

**Danger of electrocution!**

There is danger to life when in contact with live components. Switched on electrical components can cause uncontrolled movements and lead to serious injuries.

- Before starting any cleaning or maintenance work, switch off the device and disconnect the mains plug.

### 8.1 Care by cleaning

The machine should always be kept in a clean condition.



**ATTENTION!**

- Before starting cleaning and lubrication, be sure to switch off the device and disconnect the power plug!
- Never use solvents to clean plastic parts or painted surfaces. A surface release and consequential damage may occur.



**Wearing safety gloves!**

The ventilation slots of the motor must be kept clean to ensure adequate cooling.

The machine should be cleaned after each use and free from all metal and remnants. Only use a brush, a dry cloth or a hand brush.

Lubricate all bearings once a month.

## 8.2 Maintenance and Repair

Maintenance and repair work may only be carried out by qualified personnel.

If the machine does not work properly, contact a dealer or our customer service. The contact details can be found in chapter 1.2 Customer Service.

### 8.2.1 Carbon brushes

The carbon brushes are wearing parts. They must be replaced as soon as they reach their wear limit.



**NOTE!**

The carbon brushes must always be replaced in pairs. Have the service carried out by the after-sales service for testing and replacement of the carbon brushes.

The service life of the carbon brushes is about 50 hours of pure operating time or 10,000 on / off cycles.

Replace both carbon brushes as soon as their length is less than 1/4 of the original length (Fig. 8).

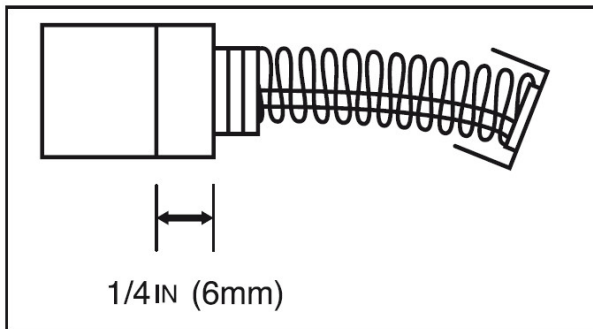


Fig. 8: Carbon brushes

**RSM 760:**

Step 1: Disconnect the device from the mains.

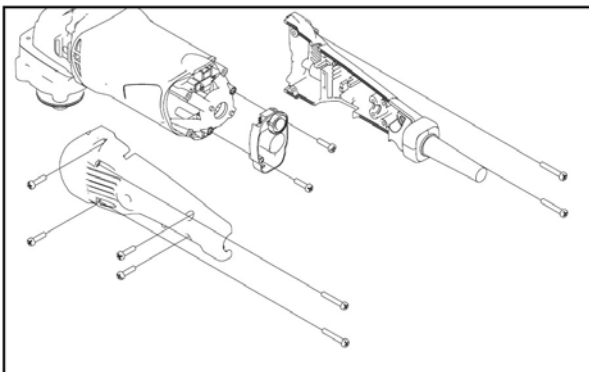


Fig. 9: Open housing

Step 2: Carefully unscrew the 8 screws (Fig. 9) for disassembling the two handle halves and remove the left handle half first. Make sure that the cables are not damaged.

Step 3: Unscrew the electrical board with the two fixing screws to gain access to the carbon fiber fixing screws.

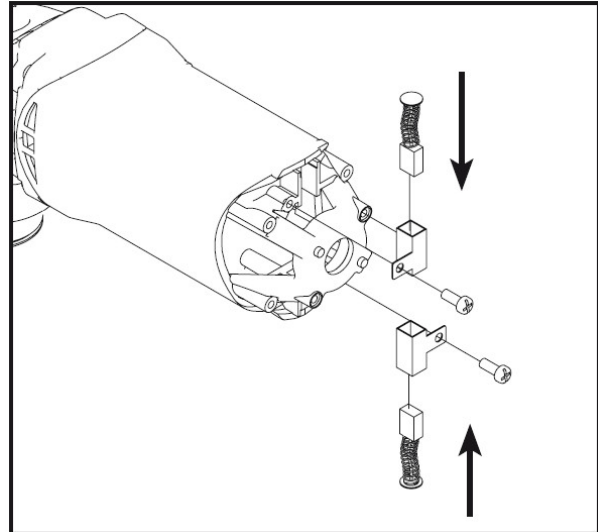


Fig. 10: Unscrew carbon guides

Step 4: Unscrew the carbon guides and remove the engine blocks.



**NOTE!**

When replacing the used carbon brushes, make sure that they occupy the same position as before removal. Otherwise, an additional run-in phase with reduced engine power and additional wear of the carbon brushes would be required.

Step 5: To install the motor brushes and to reassemble the unit, proceed in the reverse order of removal.



**NOTE!**

When screwing the handles to the housing, make sure that the cables are in the same position as before disassembly.



**ATTENTION!**

It is recommended that the grinding machine be cleaned and lubricated once a year by customer service.

**RSM 620:**

Step 1: Disconnect the device from the power supply



Fig. 11: Coal covers

Step 2: Unscrew the carbon covers and remove the engine blocks.

Step 3: Always use the new engine brushes in pairs and check that they move freely and smoothly in the guides.

Step 4: Screw on the coal covers.

**8.2.2 Power cable**

The replacement of the mains cable must only be carried out by customer service!

**9 Disposal, Recycling of old equipment**

In the interests of the environment, care must be taken to ensure that all components of the machine are disposed of in the proper and approved way.

**9.1 Decommission**

Disused devices must be taken out of service immediately in order to prevent later misuse and endangering the environment or people.

- Dispose of all environmentally hazardous fluids from the old device.
- If necessary, disassemble the machine into manageable and usable assemblies and components.
- Supply the machine components and operating materials to the appropriate disposal channels.

**9.2 Disposal of electrical equipment**

Electrical equipment contains a variety of recyclable materials and environmentally harmful components.

These components must be separated and properly disposed of. In case of doubt, contact municipal waste management.

If necessary, the help of a specialized waste management company can be used for the treatment.

**9.3 Disposal of lubricants**

The disposal instructions for the lubricants used are provided by the lubricant manufacturer. If necessary, ask for the productspecific data sheets.

**9.4 Disposal via municipal collection points**

Disposal of used electrical and electronic equipment (Applicable in the countries of the European Union and other European countries with a separate collection system for these appliances).



The symbol on the product or its packaging indicates that this product should not be treated as normal household waste, but must be returned to a collection point for the recycling of electrical and electronic equipment. By helping to properly dispose of this product, you are protecting the environment and the health of others. Environment and health are endangered by improper disposal. Material recycling helps to reduce the consumption of raw materials. For more information about recycling this product, contact your local community, municipal waste management, or the shop where you purchased the product.

## 10 Spare Parts



### DANGER!

#### Risk of injury caused by the use of incorrect spare parts!

The use of incorrect or faulty spare parts may cause risks for operating staff and damage as well as malfunctions.

- Exclusively genuine spare parts made by the manufacturer or spare parts authorised by the manufacturer shall be used.
- Always contact the manufacturer if you are unsure.

### 1.1 Spare parts order



### NOTE!

The manufacturer warranty shall be rendered void in the event of a use of unauthorised spare parts.

Spare parts are available from authorised retailers.

Always quote the following key data with your spare parts orders:

- Device type
- Item number
- Position number
- Year of manufacture
- Quantity
- Desired shipping type (post, freight, sea, air, express)
- Shipping address

Spare parts orders without the aforementioned data cannot be taken into account. The supplier shall determine the shipping type if no relevant data was provided.

Information about the device type, article number and year of manufacture can be found on the type plate. The type plate is mounted on the device.

### Example

You must order the engine carbon for the pipe grinding machine RSM 620. The engine carbon has the number 14 in the spare part drawing 1.

By ordering spare parts, send a copy of the spare parts drawing (1) with the marked part (engine carbon) and marked position number (14) to the dealer or spare parts department and provide the following information:

Device type:	<b>Pipe sanding machine RSM 620</b>
Item number:	<b>3990620</b>
Drawing number:	<b>1</b>
Position number:	<b>14</b>

#### The item number of your device:

Pipe sanding machine RSM 760: **3990760**

Pipe sanding machine RSM 620: **3990620**



## 10.1 Spare parts drawings

The following drawings should help you in case of service to identify necessary spare parts. If necessary, send a copy of the parts drawing with the marked components to your authorized dealer.

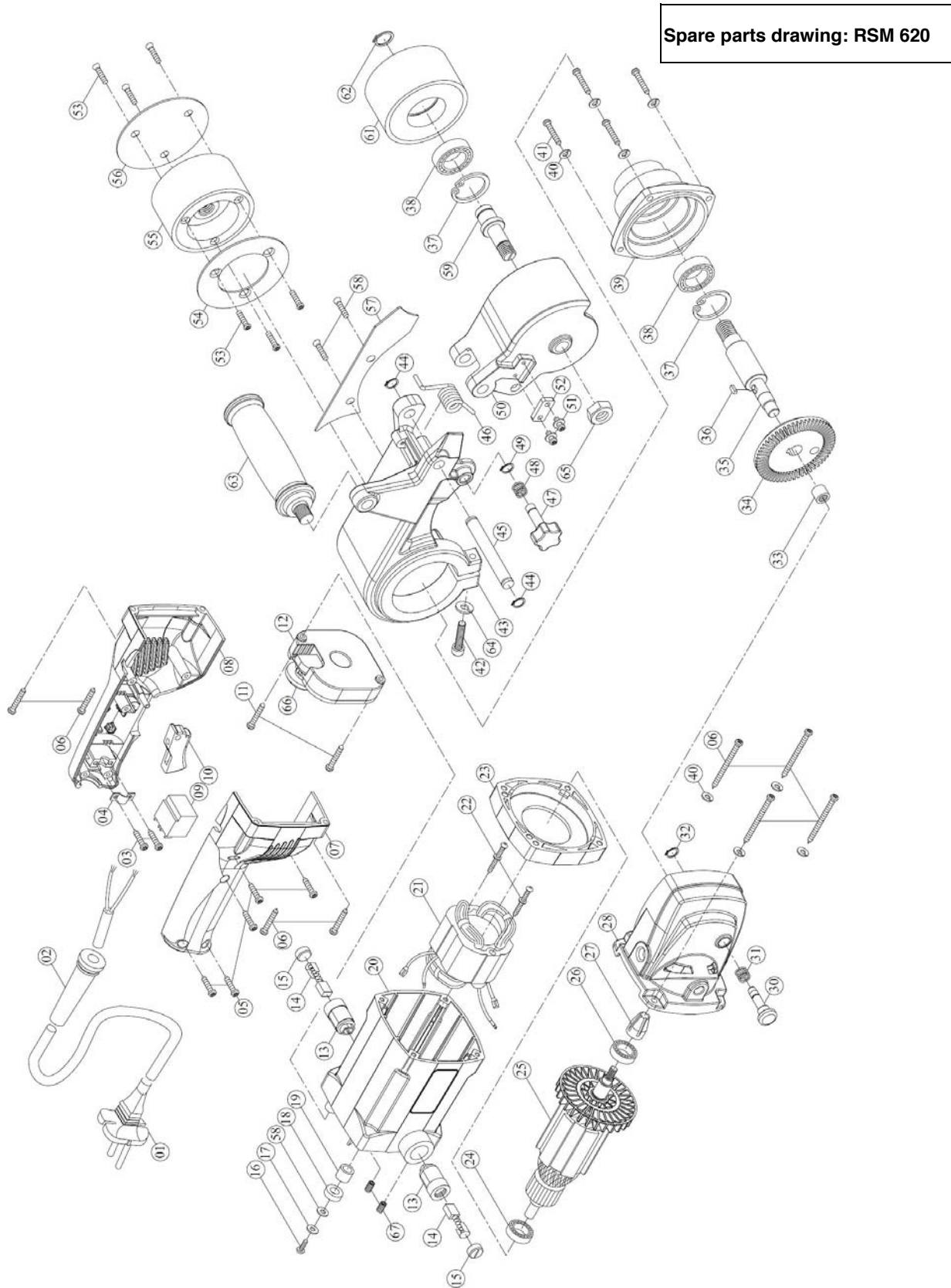


Fig. 12: Spare parts drawing RSM 620

Spare parts drawing: RSM 760

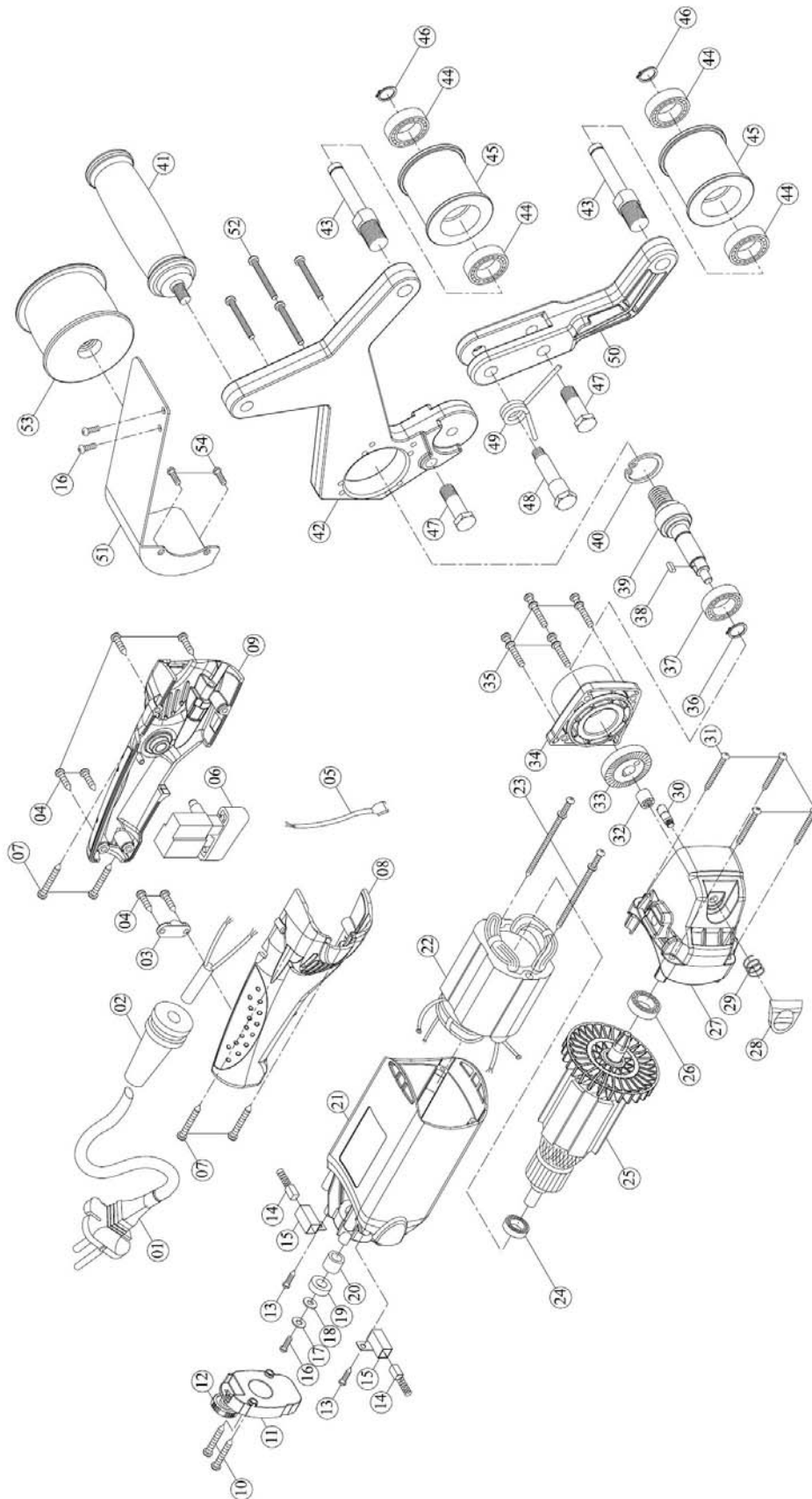
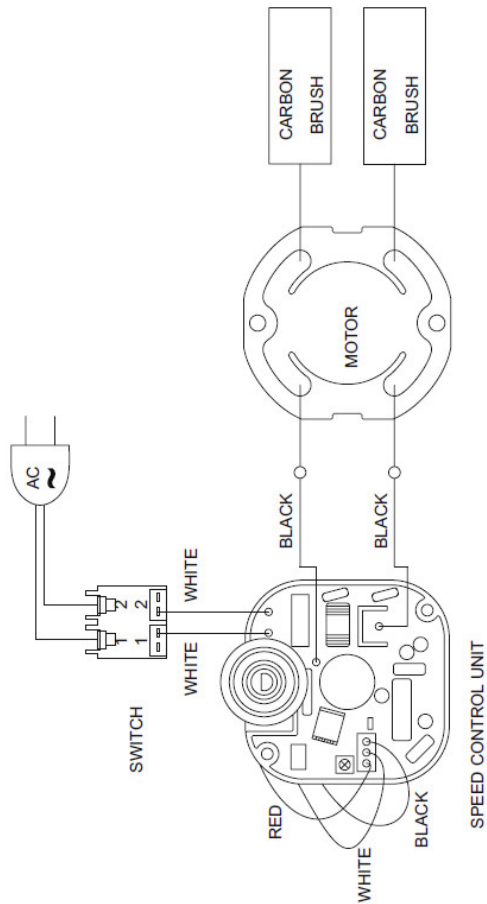
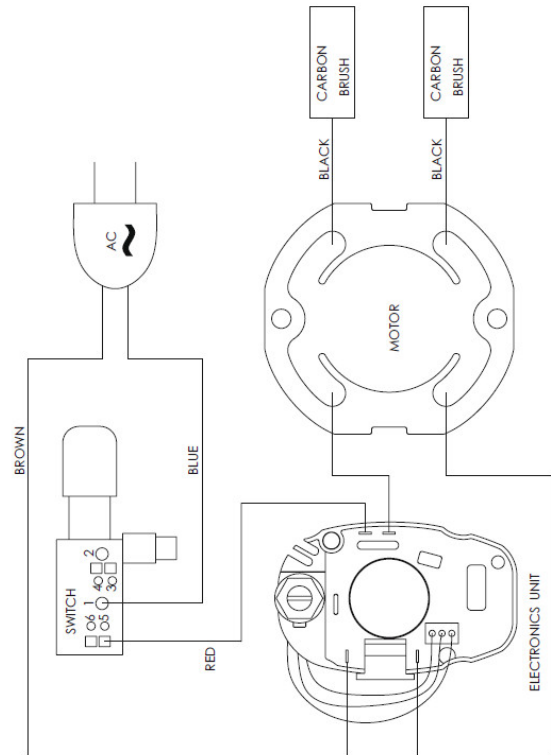


Fig. 13: Spare parts drawing RSM 760

## 11 Electric circuit diagram



**RSM 620**



**RSM 760**

Fig. 14: Electric circuit diagram

## 12 EC Declaration of Conformity

According to Machinery Directive 2006/42 / EC Annex II 1.A

**Manufacturer/Distributor:** Stürmer Maschinen GmbH  
Dr.-Robert-Pfleger-Straße 26  
D-96103 Hallstadt

herewith declares that the following product

**Product groupe:** Metalkraft® Metallbearbeitungsmaschinen

**Designation of the machine \*:** **Item number \*:**

RSM 620

3990620

RSM 760

3990760

**Serial number\*:** \_\_\_\_\_

**Year of construction\*:** 20\_\_\_\_

\* please fill in according to the information on the type plate

**complies with all relevant provisions of the above-mentioned Directive as well as the other applicable Directives (below), including any changes in force at the time of declaration.**

**Relevant EU-Directives:** 2014/30/EU EMC Directive  
2012/19/EU WEEE-Directive

**The following harmonized standards were applied:**

DIN EN 62841-2-4:2015-05 Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type

DIN EN ISO 12100:2011-03 Safety of machinery - General principles of design - Risk assessment and risk reduction.

**Responsible for documentation:** Kilian Stürmer, Dr.-Robert-Pfleger-Str. 26, D-96103 Hallstadt

Hallstadt, 27.06.2022

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Kilian Stürmer  
CEO, Director



## 13 Notes

