Instruction Manual

WRAPAROUND TUBE SANDER 760/40

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Index

1 EG-Conformity Declaration

(according to Appendix IIA of the machine Directive)

We,

Routexport Agencies SA
Visserijstraat 25, rue de la Pêcherie
1180 Brüssel
Belgien

as the manufacturer declare herewith under our responsibility that the product:

Name: Wraparound Tube Sander/Polisher Machine
Serial No. :
Manufacturing Date: 2011

complies with the following standards, directives and referenced standard documents:

2006/195/EC Low Voltage Directive
2004/108/EC EMC Directive
2006/42/EC Machinery Directive

EN 60745-1 :2009+A11 :2010
EN 60745-2-4 :2009+A11 :2011
EN 62233 :2008
EN 55014-1 :2006+A1 :2009+A2 :2011
EN 55014-2 :1997+A1 :2001+A2 :2008
EN 61000-3-2 :2006+A1 :2009+A2 :2009
EN 61000-3-3 :2008

Pierre Michiels, Managing Director
Name, Position

Brussels, 02.01.19

2 Specifications

Voltage	230V /50 Hz
No load speed	1600-3200/min
Power input	1200W
Surface speed	3-12 m/sec
Max belt length	760 mm
Max. belt width	40 mm
Soft start and overload protection	with
Net weight	3.4 kg

3 User Instructions

Notes for the customer

The instruction manual includes important instructions as to how to operate the plant safely, correctly and economically. Observing these instructions helps to avoid risks, repair costs and downtimes and to increase the reliability and lifetime of the machine.

The instruction manual must be read and used by each person who works with the electrical equipment. This applies in particular to the "Safety Instructions" chapter. It is too late to read the manual and safety instructions when work is actually being carried out at the machine.

Always keep one copy of this manual next to the machine so that it is at hand ready to be consulted!

In case of any doubt or questions, always contact the machine manufacturer.

In addition to the instruction manual, the accident prevention regulations which apply in the country of use and the user location must be adhered to. In addition, the recognised technical rules regarding accident prevention must be observed.

Liability and warranty

All the information contained in this instruction manual has been drawn up to the best of our knowledge and belief, taking our experience to date into consideration.

The original version of this instruction manual was drawn up in the German language and was checked by us for accuracy of content. The translation into the respective national/contractual language was carried out by a recognised translation agency.

This instruction manual has been put together with the greatest of care. However, if you should discover any incomplete items or mistakes, please inform us in writing. Your suggestions for improvement will help us to create a user-friendly manual.

Subsequent Orders and Copyright

Further copies of this instruction manual can be ordered from the address below. We ask for your understanding that further copies are subject to charge.

Jepson Power GmbH

Ernst-Abbe-Straße 5

D-52249 Eschweiler

Phone: +49 (0)2403 – 6455-0

Fax: +49 (0)2403 – 6455-15

Mail: info@jepson.de

Abbreviations

V	Volt
Hz	Hertz
W	Watt
~	AC
/min	Revolutions per minute rpm
N	Newton

4 Safety Instructions

The basic prerequisite for safe handling and disturbance-free operation of this electric tool is knowledge of the basic safety instructions. In addition, the accident prevention rules and regulations which apply in the user location must be adhered to, as well as the recognised rules of the trade with regard to safety and correct working methods.

It is not permitted to use the electric tool for other purposes than those intended by the manufacturer. Such use could give rise to unforeseeable risks.

Local working and safety rules and laws must always be followed. The same applies to regulations which apply to the environment.

Safety equipment must never by removed or bridged over.

When using oils, greases and other chemical substances, the safety regulations which apply to the particular product must always be observed! Contact with chemicals should be avoided as far as possible. Before it is permissible to work with these substances the instructions for use on the packaging must be read and followed. This applies for all chemicals, therefore also for cleaning media.

All notes and signs regarding safety and possible risks must be kept in a fully legible condition.

4.1 Illustration of Safety Instructions

The following symbols are used in the instruction manual:

Warning against possible danger of injury or danger to life for persons

Warning

Warning against possible damage to property or the environment

Caution

Warning against dangerous electrical voltage

Warning against hot surfaces

Ignoring these instructions can lead to serious damage to health, up to life-threatening injuries!

This symbol indicates important information

Hazardous to the environment

4.2 General Safety Instructions

This electric tool fulfils the basic EC safety and health regulations. Nevertheless, dangerous situations can arise.

Warning

All safety equipment must be maintained in perfect condition.

Warning

Always pay attention to moving parts. These can cause injury because of their movement or by sudden movement.

Warning

Only use the electric tool when it is in perfect condition from the technical point of view, and only use it for intended purpose while being aware of safety issues and risks, and paying attention to the instruction manual! In particular, have any disturbances which could have a negative effect on safety corrected immediately!

WARNING! It is essential to read all the instructions. Mistakes which are made while attempting to follow the below instructions can cause electric shock, fire and/or serious injury. The following term "Electric tool", refers to mains-powered electric tools (with mains cable) and battery-powered electric tools (without mains cable).

Warning Caution

KEEP THESE INSTRUCTIONS IN A SAFE PLACE.

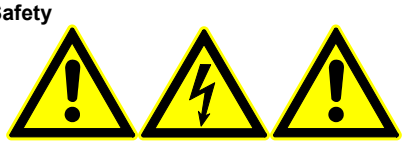
Work Area Safety

Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquid, gases, or dust. Power tools create sparks, which may ignite the dust or fumes.

Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control**.**

Electrical Safety



Warning Caution

Earthed tools must be plugged into an outlet properly installed and earthed in accordance with all codes and ordinances. Never remove the earthing prong or modify the plug in any way. Do not use any adaptor plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly earthed. If the tools should electrically malfunction or break down, earthing provides a low resistance path to carry electricity away from the user.

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.

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

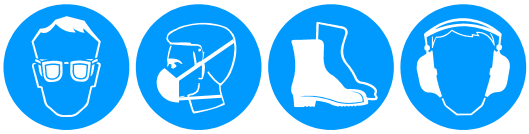
Don't abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged or entangled cords increase the risk of electric shock.

When operating a power tool outside, only use authorized cords for outdoor work. These cords are rated for outdoor use and reduce the risk of electric shock.

Personal Safety

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while 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 safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hardhat, or hearing protection used for appropriate conditions will reduce personal injuries**.**



Avoid accidental starting. Be sure switch is off before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents..

Warning Caution

Remove any adjusting key or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

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

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.

Tool use and care

Use clamps or other practical way to secure and support the work piece to a stable platform. Holding the work by handor against your body is unstable and may lead to loss of control.

Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

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

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

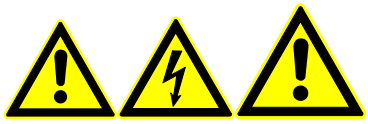
Store idle tools out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Tools are dangerous in the hands of untrained users.

Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.

Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using. Poorly maintained tools cause many accidents.

Use the power tool, accessories and blades etc., in accordance with these instructions and in the manner intended for the particular type of power tool, 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.

Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.



Warning Caution

Service

Only qualified repair personnel must perform tool service. Service or maintenance performed by unqualified personnel could result in a risk of injury.

When servicing tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

4.3 Specific Safety Rules

Never operate the tool in an area with flammable solids, liquids, or gases. Sparks from the commutator/carbon brushes could cause a fire or explosion.

WARNING! Risk of injury from high-temperature chips!

High-temperature chips are expelled at high speed. **Never touch the tool holder and keep all vulnerable body parts clear while the machine is running.**

Warning

Always guide the machine away from the body while working. Do not work holding the machine above your head.

WARNING! Some dust created by power grinding contains chemicals known to cause cancer, birth defects or other reproductive harm.

Warning

An example of these chemicals are: **lead from lead-based paint**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specifically designed to filter out microscopic particles.

1. **Use clamps or other practical way to secure and support the work piece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.**

Warning

2. **Keep hands away from rotating parts.**

3. **Wear eye and hearing protection. Always use safety glasses. Every day eyeglasses are NOT safety glasses. USE CERTIFIED SAFETY EQUIPMENT.**

4. **Use of this tool can generate and disburse dust or other airborne particles including wood dust, crystalline silica dust and asbestos dust.** Keep direct particles a way from face and body. Always operate tool in well ventilated area and provide for proper dust removal. Use dust collection system wherever possible. Exposure to the dust may cause serious and permanent respiratory or other injury, including e silicosis (a serious lung disease) ,cancer and death. Avoid breathing the dust, **and avoid prolonged** get into your mouth or eyes, or lay on your skin may promote absorption of harmful material . Always use properly fitting mask approved for the dust explosure and wash exposed areas with soap and water.

DANGER: Indicate an imminently hazardous situation which, if not avoided, will result in death or serious injury.

Warning

Indicates a potencially hazardous situation which, if not avoided, could result in death or serious injury.

Warning

CAUTION: indicates a potentially hazardous situation which, if not Avoided, may result in minor or moderate injury or indicates potentially hazardous situation which, if not

Warning

contact with dust. Allowing dust to

5 Functional Description

5.1 Unpacking

The Wraparound Tube Sander is especially designed for fast sanding, compounding, mirror polishing and buffing of stainless steel and aluminium open and closed tube forms. There are different belts available in various grits. The unique feature of this machine is its ability to contact a tubular surface and wrap around about 180 degrees of its circumference at a time for very fast and efficient working.

ASSEMBLY

CAUTION:

DISCONNECT TOOL FROM POWER SOURCE.

THE GUARD AND HANDLE

Warning

Place the front handle in position on the belt guard and tighten by hand.

5.2 Installing the belt

1. Lay the machine so that it is upside down resting on the front handle (with the handle parallel to the ground).
2. Loop belt around the drive pulley and the idler arm (stationary) pulley.
3. While pushing the tensioner arm down against the spring to create enough slack, slip the belt over the tensioner arm pulley. Then release the arm.

WARNING: The machine should not be converted or modified, e.g. for any other form of use, other than as specified in these operating instructions. The user shall be liable for damages and accidents due to incorrect use

Warning

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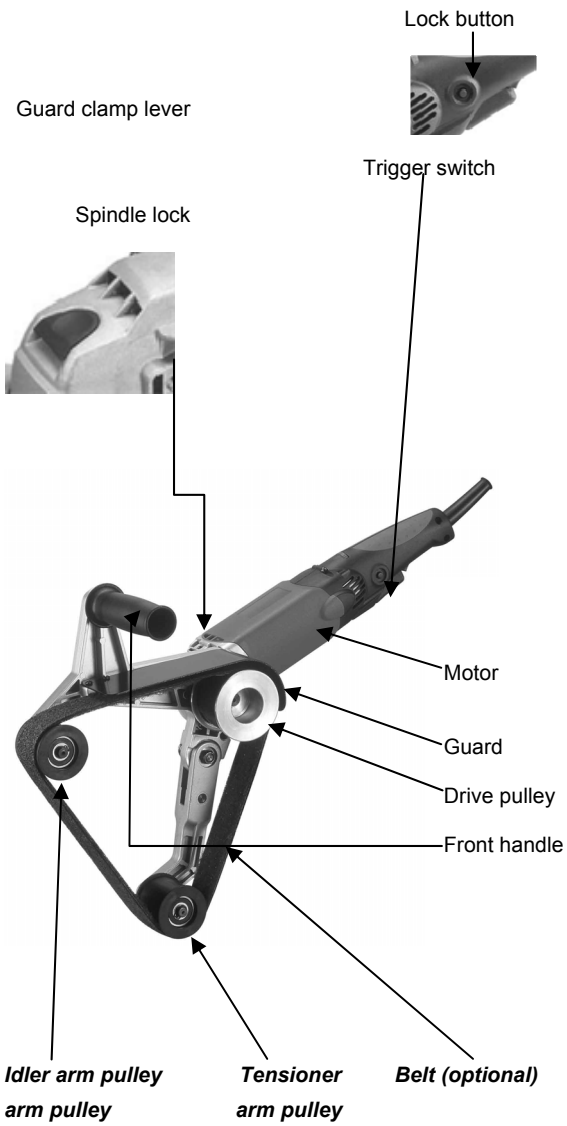
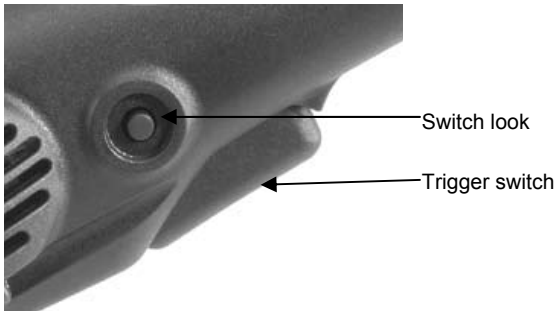
5.3 Wraparound TUBE SANDER



Do not operate this too until you read and understand the entire instruction manual.

OPERATION: Start and Stop of the machine



CAUTION:

Make sure switch is OFF and power circuit voltage is the same as that shown on the specification plate.

1. Connect tool to power source.
2. Grip machine firmly to resist start in torque
3. Squeeze trigger switch to turn tool on. Release the trigger to shut tool off.
4. To lock the switch in the “on” position, press the lock pin while the switch is fully on. To release the lock, press the switch and release it.

5.4 CONTROLLING THE VARIABLE SPEED

The thumbwheel sets the maximum speed, while the trigger turns the machine on and off. With switch in the locked ON position the thumbwheel may be used to adjust the speed. This machine incorporates feedback speed stabilization so that the speed will not slow with load. It will maintain the present speed regardless of the load.Always start at a slower speed and work up to the best speed.

5.5 OPERATION

WARNING: If the workpiece is not attached to anything and is light enough to be moved by the spinning drum, it should be securely clamped or anchored to prevent it being thrown or flung, resulting in possible injury.

Warning

1. Hold the machine firmly by the front andrear handles, making sure the drum is clear of foreign objects.
2. Start the machine and lower it to the work.
3. Move the machine in long overlapping strokes. **DO NOT HOLD TOO LONG IN ONE SPOT** otherwise will overheat the surface and cause uneven results.
4. Always be sure motor has stopped before setting the machine down.

When using the machine to apply products (compounds, polishes, waxes, cleaners, etc). always read and follow the manufacturers directions supplied with product. In this case do not run the machine without the drum in contact with work surface. Otherwise the media will be thrown outwards. Start and stop the machine with the drum against work surface.

WARNING: Do not use the same belt to apply different grades of compound. The coarser compound will contaminate the finer compound, causing poor results.

Warning

6 Maintenance and Repair

6.1 Keep Tool Clean

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material. Wear safety glasses while using compressed air.
Wear safety glasses while using compressed air.

6.2 FAILURE TO START

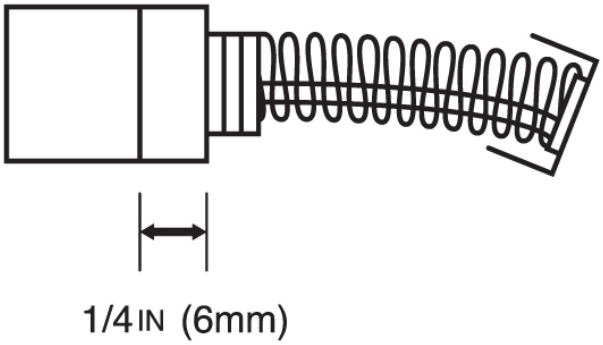
Should your tool fail to start, check to make sure the prongs on the cord plug are making good contact in the outlet. Also, check for blown fuses or open circuit breakers in the line.

6.3 Replacing Carbon Brushes

The carbon brushes are a normal wearing part and must be replaced when they reach their wear limit.

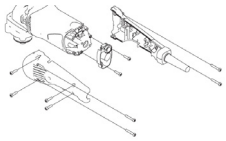
NOTE: Checking and replacing the carbon brushes should be entrusted to a qualified service center.

The carbon brushes furnished will last approximately 50 hours of running time or10,000 on/off cycles. Replace both carbon brushes s when either has less than 1 / 4 " length of carbon remaining.



To replace:

1. To inspect or replace brushes, first unplug the machine. Carefully remove the 8 screws to separate the two handle halves and remove from the motor housing. Remove the left handle half first.
2. There will still be wires connected to the rear handle, so take care that these are not stressed. Simply hold the rear handle off to one side.
3. Next remove the two screws holding on the Electronics Unit to allow access to the Brush Holder screws. Hold the Electronics Unit off to one side and avoid stressing the wires.
4. Unscrew the two Carbon Brush Holders in turn and remove the Carbon Brushes.

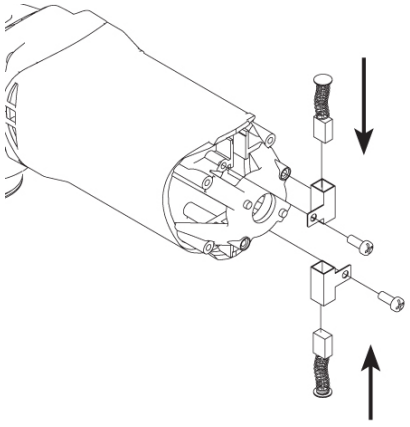


NOTE: When putting the Carbon Brushes back into the Carbon Brush Holders it is essential that both flanges go back inside the holder.

NOTE: To reinstall the same brushes , first make sure the brushes go back in the same way they came out. Otherwise a break –in period will occur that will reduce motor performance and increase brush wear.

Replacing is the reverse of removal. Replace the Brush Holder screws, then the Electronics Unit screws.
When Replacing the rear handle to the motor housing, take great care that all wires are in place and not in a position to be pinched when it is retightened.
It is recommended that, at least once a year, you take the tool to an Authorized Service Center for a thorough cleaning and lubrication.

If the replacement of the power supply cord is necessary, this has to be done by the manufacturer or their agent in order to avoid a safety hazard.



7 Standard Accessories

- 10 arbor spacer discs (for fitting smaller wheels to the arbor)

8 Optional accessories:

- Surface Conditioning belt
- 120 grit Sandpaper belt
- Sanding Sponge Belt-Fine

9 Spare parts - List of Spare Parts

No.	Part. No.	Descriptipn		QT'Y
1.)	WS001	POWER SUPPLY CABLE	0.75 x 2C x 3M	1
2.)	WS002	CORD ARMOR		1
3.)	WS003	CABLE CLIP		1
4.)	WS004	SCREW	M4 x 14	6
5.)	WS005	WIRE LEAD		1
6.)	WS006	SWITCH		1
7.)	WS007	SCREW	M4 x 25	4
8.)	WS008	RIGHT HANDLE COVER		1
9.)	WS009	LEFT HANDLE COVER		1
10.)	WS010	SCREW	M4 x 20	2
11.)	WS011	ELECTRONICS UNIT		1
12.)	WS012	THUMB WHEEL		1
13.)	WS013	BRUSH SCREW	M4 x 8	2
14.)	WS014	CARBON BRUSH		2
15.)	WS015	CARBON BRUSH HOLDER		2
16.)	WS016	SCREW	M4 x 8	3
17.)	WS017	FLAT WASHER	M4	1
18.)	WS018	PLASTIC WASHER	φ4 x φ11 x 1	1
19.)	WS019	PICKUP MAGNET	φ8 x φ15 x 5	1
20.)	WS020	SPACER	φ8 x φ12 x 10.5	1
21.)	WS021	MOTOR HOUSING		1
22.)	WS022	STATOR	220 Volt	1
23.)	WS023	STATOR SCREW	M4 x 60	2
24.)	WS024	BALL BEARING	608-2RS	1
25.)	WS025	ARMATURE 220 Volt	M1.0 6T	1
26.)	WS026	BALL BEARING	6000-2RS	1
27.)	WS027	GEAR CASE		1
28.)	WS028	SPINDLE LOCK BUTTON		1
29.)	WS029	SPRING	φ0.9 x φ10 x 13.5	1
30.)	WS030	SPINDLE LOCK		1
31.)	WS031	SCREW	M4 x 30	4
32.)	WS032	NEEDLE BEARING	HK0608	1
33.)	WS033	BEVEL GEAR	M1.0 46T	1
34.)	WS034	GEAR PLATE		1
35.)	WS035	SCREW	M4 x 20	4
36.)	WS036	EXTERNAL CIRCLIP	S-12	1
37.)	WS037	BALL BEARING	6001-2RS	1
38.)	WS038	PARALLEL KEY	4 x 4 x 8	1
39.)	WS039	SPINDLE		1
40.)	WS040	INTERNAL CIRCLIP	R-28	1
41.)	WS041	FRONT HANDLE		1
42.)	WS042	IDLER ARM		1
43.)	WS043	AXLE	16*17	2
44.)	WS044	BALL BEARING	6200-2RS	4
45.)	WS045	PULLEY		2
46.)	WS046	EXTERNAL CIRCLIP	S-10	2
47.)	WS047	BOLT	M10 x P1.5 x 12	2
48.)	WS048	PIVOT BOLT	M8 x P1.25 x 7.7	1
49.)	WS049	HAIRPIN SPRING	φ2.8 x φ14.5 x 4	1
50.)	WS050	TENSIONER ARM		1
51.)	WS051	GUARD		1
52.)	WS052	SCREW	M4 x 25	4
53.)	WS053	DRIVE PULLEY		1
54.)	WS054	SCREW	M5 x 8	2

10 Spare Parts Drawing