



SPECIFICATIONS

Model	PM 1200
Power input	1200 W
No load speed	5500 min ⁻¹
Operating tool	max Ø180 mm
Spindle thread 	M14
Spindle thread length	20 mm
Weight (without accessories)	2,5kg
Safety class acc. EN 50144 	II

This power tool is supplied from single-phase alternating current mains. It is double insulated according to EN 50144 and IEC 60745 and can be connected to grounded or not grounded sockets. This power tool is radio suppressed in compliance with EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3 for radio interference.

DESIGNATION

This power tool is designed for:

- Polishing with sponges, cloth-, wool- and felt wheels with polishing paste and polishing cream;
- Rough and fine dry sanding with flexible backing pad and sandpaper;
- Rough and fine cleaning with wire brushes, etc.

MAIN COMPONENTS

1. Spindle
2. Flexible backing pad
3. Auxiliary handle
4. ON/OFF switch
5. ON/OFF switch lock-on button
6. Spindle lock button
7. Operating tool
8. Sandpaper
9. Protective strap
10. Lock nut
11. Support washer

ACCESSORIES TO BE USED WITH THIS POWER TOOL

Operating tools with spindle thread M14;
Sandpaper up to Ø180mm;
Polishing bonnet



**FOR YOUR SAFETY
READ BEFORE USE!**

**Attention, dangerous operation!**

The dust separated from the machined piece, as well as touching rotating parts of the power tool could cause severe physical injuries, and noise loading from continuous operation could damage the operator's hearing if the below-mentioned requirements and those in the enclosed Safety Instructions are not observed.

**Safety operation instructions and precautions**

Before starting to operate the power tool, always check the following:

- Make sure power supply voltage corresponds to the value indicated on the name plate with technical data of the tool.
- Always check the position of ON/OFF switch. The machine must be connected to the power supply socket only when this switch is in OFF position.
- Make sure the cord and the plug are in order. If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.



**DURING CARRYING OUT ANY WORK,
PLEASE DO OBSERVE THE FOLLOWING
SAFETY REQUIREMENTS:**



Never operate the machine without goggles!



Always wear ear defenders (antiphones)!



Always wear dust-proof mask!

- Always use the auxiliary handle and hold the machine firmly with both hands.
- Wear protective gloves and stable footwear. Wear an apron if necessary.
- The operating tool shall be properly mounted and shall rotate freely. Perform a trial test for at least 30 sec at no load. Do not use damaged, non-circular or vibrating operating tools.
- Strictly observe manufacturer's directions for mounting and utilization of the accessories.
- This power tool is designed for dry sanding only.
- Do not process materials containing asbestos.
- Do not fasten the machine in a vice.
- Use only accessories, which marked maximum speed does not exceed the maximum no load speed of the machine.
- Guide the machine towards the processed material only if the machine is switched on.
- Protect the sanding accessories from shocks and grease. Do not use damaged or worn out accessories for polishing and fine sanding.
- Keep your hands away from rotating accessories.
- Observe the direction of rotation. Always guide the machine in such a way that dust released when sanding or brushing can scatter away from your body.
- Never switch on the machine under load, and leave it down only after final rotation stop.



The accessory is still rotating even after the machine has been switched off.

- Do not apply side pressure to stop the pad rotation after switching the machine off.
 - Fix the machined piece in vice or in another appropriate way.
 - Never mount circular blades or grinding wheels for angle grinders.
 - Use only accessories corresponding entirely to the processed material and the speed.
 - Unplug the machine prior to any adjustment, repair or maintenance or in case of mains drop out.
 - Ensure that the working area is not cluttered.
 - This power tool must not be used outdoors in rainy weather, in moist environment (after rain) or in close vicinity with easily flammable liquids and gases. The working place should be well lit.
 - Noise emission and vibration values
The values, typical for the device, measured in accordance with EN 50144 are:
- | | |
|-----------------------|------------------------|
| Sound pressure level | - 87 dB (A) |
| Sound power level | - 100 dB (A) |
| Weighted acceleration | < 2,5 m/s ² |

OPERATING DIRECTIONS

Switching on - switching off

The polisher is secured against unintentional switching on.

Switching on: first press the auxiliary button 5 placed at the upper side of the grip handle, and then press the main lever of switch 4.

Switching off: release switch 4; in case the switch is locked, first press and then release that switch.

Mounting the complement and the accessories

The machine is completed with flexible backing pad, support washer and lock nut.

To mount the polishing/sanding accessories, fix spindle 1 by pressing button 6 on the gear case.



Never press lock button 6 while the spindle is still rotating.

Flexible backing pad 2

Place the support washer, flexible backing pad 2 and sandpaper 8 onto spindle 1. Screw lock nut 10 and tighten by a fork spanner.

In case the flexible backing pad is equipped with a flange nut, the pad is screwed directly onto the spindle by a spanner without using lock nut 10. When operating accessories with hook-and-loop fastening, observe the good adhesion and coaxiality with the backing pad.



Use only pads with undamaged hook-and-loop system.

Perform a trial test for at least 30 sec at no load after replacing the backing pad. Vibrating or otherwise improperly rotating backing pads must be replaced immediately.

Wire brush

The machine can be operated with cup/wheel wire brush with M14 thread.

Screw the wire brush onto the spindle 1 and tighten it by the spanner.

Lamb wool-polishing bonnet

Place the lamb wool-polishing bonnet on the flexible backing pad and check the correct distribution of the bonnet on the entire surface. Fix the bonnet on the pad by the cord. Push the cord ends inside the bonnet.

Felt polishing wheel and polishing sponge with flange

Screw the felt-polishing wheel or the sponge with flange onto the spindle 1.

Cloth wheel (buff)

The cloth wheel is fastened by a carrier consisting of threaded stud with opening, support washer and lock nut. Screw the cloth wheel onto the spindle.

Mounting the auxiliary handle and the protective strap

The auxiliary handle 3 and the and protective strap 9 must be always mounted during any work with the machine. They can be mounted alternatively on the right or left side of the gear box.

Recommendations

When sanding and polishing do not apply pressure to the processed surface by rearing down on the machine but move it smoothly.

Maintenance and repair

Always keep the machine and the ventilation slots clean for best results and safe operation.

Clean the rotor casing through the ventilation slots with compressed air to ensure effective motor cooling and faultless operation.

This power tool does not require any special maintenance. Any work on the machine, save backing pad replacement, must be accomplished by autho-rised experts in authorised service centres for warranty and post-warranty servicing of SPARKY power tools.

Warranty

The guarantee period for SPARKY power tools is determined in the guarantee card.

Faults due to normal wear, overloading or improper handling will be excluded from the guarantee.

Faults due to defective materials implemented as well as defects in workmanship are to be corrected free of charge through replacement or repair.

The complaints for defective SPARKY power tools will be recognised if the machine is sent back to the dealer or is presented to the authorised warranty service centre undismantled, in its initial condition.



Environmental Protection

The machine, accessories and packaging should be sorted for environmental-friendly recycling.

These instructions are printed on recycled paper manufactured without chlorine.

The plastic components are labelled for categorised recycling.