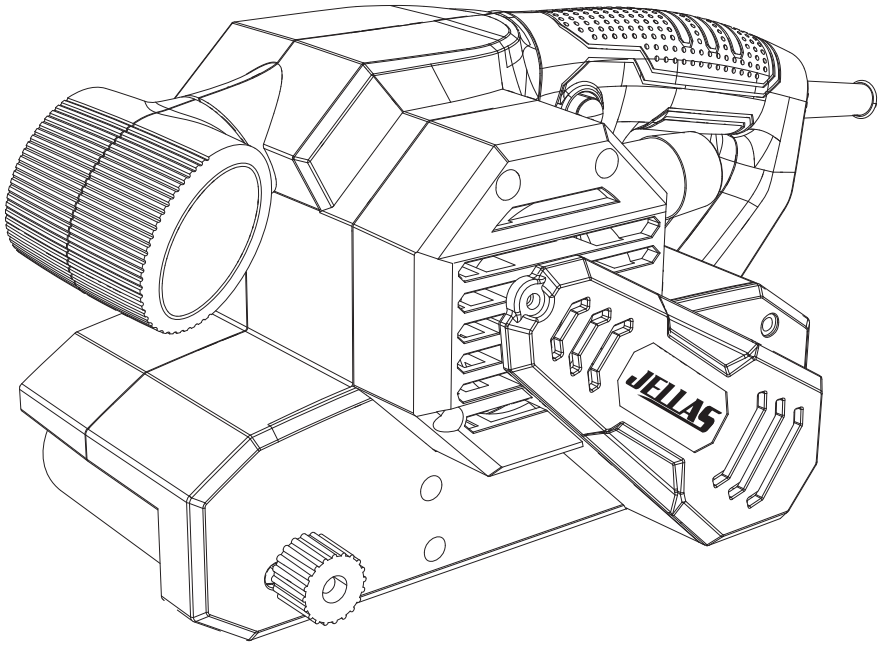
JELLAS

User Manual

Belt Sander



BELT SANDER

WARNING -To reduce the risk of injury, user must read instruction manual. Save all warnings and instructions for future reference.

Contents:

Intended use

This machine is intended to be used for dry sanding with suitable sanding belts. It is suitable for surface grinding on wood, metal, plastic, filler, removal of layers of old paint, intermediate grinding and rust removal. Do not use machines, tools and accessories for additional applications (see manufacturer's instructions) for works other than those for which they are designed for. All other applications are expressly ruled out.

1. MACHINE DATA

（1）Technical specification:

Type designation	JELLAS Belt Sander
Rated voltage	230V~50Hz
Rated power input	650W
Speed, n0	250m/min
Sanding belt size	76 x 457mm/3"x18"
Level of acoustic pressure LpA (KpA=3dB(A))	88.2 dB(A)
Level of acoustic power LwA (KwA=3dB(A))	99.2 dB(A)
Level of vibration ah (K=1.5m/s2)	6.003 m/s2

Note:

- the declared vibration total value has been measured in accordance with a standard test method and may be used for
comparing one tool with another;
- the declared vibration total value may also be used in a preliminary assessment of exposure.

Warning:

- the vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in
which the tool is used;
- avoid vibration risk

suggestion:

1) wear glove during operation
2) limit operating time and shorten trigger time.

（2）Contents of packing

1 x Belt sander with sanding belt (80 Grain)
9 x Sanding belts (2*P40,2*P60,1*P80,2*P120,2*P180)
1 x Dust bag
2 x Screw clamps
1 x vacuum adapters

After unpacking, check the tool and accessories for damages and do not use the tool in case something is defective.

（3）Features

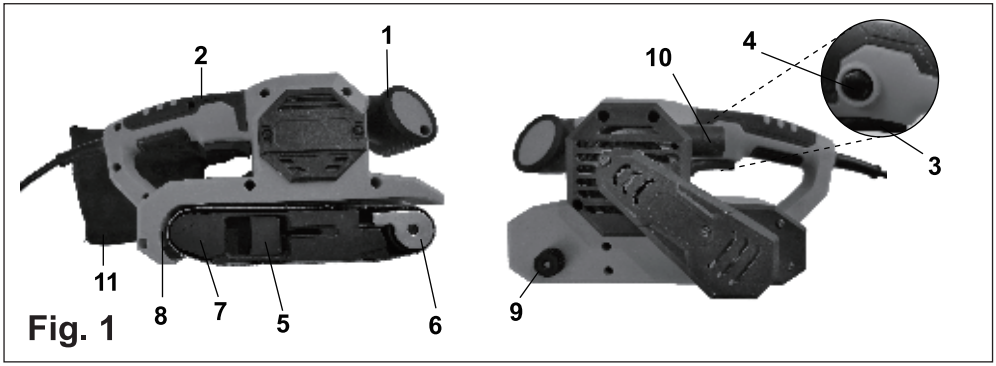


Fig. 1

Fig. 1

1. Front handle
2. Main handle
3. Trigger switch
4. Lock on button
5. Sanding belt tension lever
6. Front roller
7. Drive roller
8. Sanding belt
9. Tracking adjustment knob
10. Dust extraction port
11. Dust bag

2. ASSEMBLY

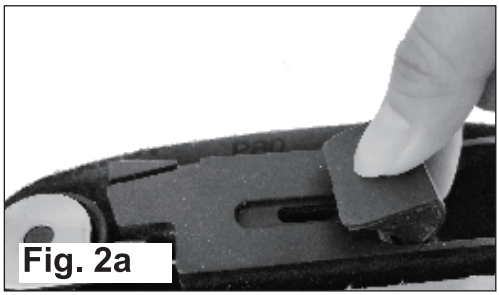
Selecting the right grade of sanding belt

• Different grades of sanding belt can be purchased from the store where you purchased the tool. Available grades are: Coarse, Medium and Fine.

• Use a coarse grit to sand down rough finishes, medium grit to smooth the work and fine grit to finish off. It is best to make a trial run on a scrap piece of material to determine the optimum grades of sanding belt for a particular job.

GRIT CHART		
Grit	Type	Example of use
60 or less	Very Coarse	Material removal,heavy paint removal,shaping wood
80-100	Coarse	Paint removal,rough surface preparation(e.g. non-planed wood)
120-150	Medium	Surface preparation planed wood
180-220	Fine	Sanding between coats
240 or more	Very Fine	Final finishing

Attaching a sanding belt



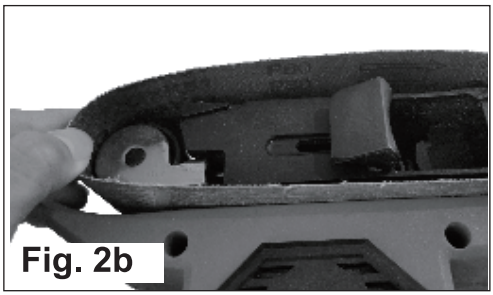


Fig. 2a & 2b

Always ensure that the machine is switched off and plug is removed from the power point before making any adjustment.

1. Select the required grade of sanding belt.
2. Pull the belt tension lever.
3. **Slip a sanding belt into position with the arrow on the inside of the belt pointing in the same direction as the rotation indicator on the sander.**
4. Fold down the lever.

WARNING. Do not continue to use the sander with a sanding belt that is overworn or damaged.

WARNING. Do not use the same sanding belt for wood and metal. Metal particles become embedded in the belt and will scour a wooden surface.

4. Fold down the lever.

WARNING: Do not continue to use the sander with a sanding belt that is overworn or damaged.

WARNING: Do not use the same sanding belt for wood and metal. Metal particles become embedded in the belt and will scour a wooden surface.

Adjusting sanding belt tracking

Fig. 3

WARNING: For your safety, before plugging the tool into a power point, ensure that the trigger switch is set to the "off"position.

1. Plug the sander into a power point and with the sander belt tight, press the trigger switch and then release it. The belt rotates for a short period.
2. Whilst the belt is running, adjust the tracking adjustment knob to align the belt to the centre of the roller.

WARNING: Do not adjust the knob when the machine is not running, to prevent the circlip from being broken and causing the belt to deviate.

3. Repeat the trigger action and tracking adjustment until the belt is correctly aligned.

WARNING: After adjusting the position of the sanding belt to the correct position in the middle, turn the knob reversely to rotate half a circle, so that the fixed effect can be exerted.

4. Run the sander for a minute or so to ensure correct alignment before using the sander on a workpiece.

Dust extraction

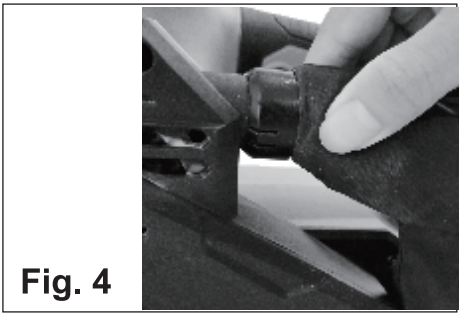


Fig. 4

We recommend the use of the dust extraction facility at all times. Simply slide the dust bag onto the dust extraction port. For longer periods of use or on large pieces of work, it is advisable to use a suitable vacuum cleaner.

2. USE

Switch on and off

Fig.5

1. To start the sander, press the trigger switch.
2. To stop the sander, release the trigger switch.
3. If you press the lock on button while the trigger switch is depressed, the switch is kept in the operating position. This is convenient when continuous operating for extended periods of time is required.
4. To release the lock on button, press and release the trigger switch.

NOTE. Always lift the sander from the work before switching on or switch off.

Sanding

The sander can be used for most sanding operations on materials such as wood, plastic, metal and painted surfaces.

WARNING: Don't use this machine on plaster.


Wear safety goggles and dust mask.

• Where possible, secure smaller workpiece to prevent them from moving under the sander. Lower the sander in contact with the workpiece without pressure and then start the sander.

• Move the sander slowly over the surface of the workpiece, for best results use the sander in a linear motion not circular. Using the sander in a circular motion may result in the belt tracking slipping. Sand with the grain, in parallel over lapping strokes.

• To remove paint or smooth very rough wood, sand across the grain at 45º in two directions, and then finish parallel with the grain. Use the front roller only to sand corners or irregular shapes.

• Lift the sander off the work before switching off. Remember to keep your hands away from the moving belt, as it will continue to move for a short time after the machine is switched off.beseitigen, bevor Sie zu einer feineren Körnung wechseln und die Arbeit beenden.

• If there are still scratches on your work after sanding, try either of the following:

- Go back to a coarser grit and sand the marks out before recommencing with the original choice or,
- Try using new sanding belt of the same grit to eliminate the unwanted marks before progressing to a finer grit and finishing

the job.

3. SERVICE & MAINTENANCE

 Always disconnect the device before performing any adjustment or maintenance operation.

• If the supply cord is damaged, it must be replaced by the manufacturer or its service agent in order to avoid a hazard.

• Disconnect from the power supply immediately if the supply cord is damaged. Take care not to expose this tool to the rain.

• If the carbon brushes need to be replaced, have this done by a qualified repair person (always replace the two brushes at the same time)

Cleaning

Avoid using solvents when cleaning plastic parts. Most plastic parts are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.

Lubrication

All the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions, therefore no further lubrication is required.

Environment

• Electrical products must not be thrown out with domestic waste. Recycle them at the special disposal centers provided for the purpose. Contact your local authorities or stockiest for advice on recycling.

• The potential effects on the environment and human health as a result of the presence of hazardous substances in electricaland electronic equipment.

• For disposal, this tool also can be returned to the hardware store or vendor (or Dexter dealer).

4. SAFETY INSTRUCTIONS

Explanation of symbols

In this manual and/or on the machine the following symbols are may used:

 WARNING -To reduce the risk of injury, user must read instruction manual.

 In accordance with essential applicable safety standards of European directives.

 Class II machine – Double insulation – You don't need any earthed plug.

 Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.

 Indicates electrical shock hazard.

Faulty and/or discarded electrical or electronic apparatus have to be collected at the appropriate recycling locations.

Immediately unplug the plug from the mains electricity in the case that the cord gets damaged and during maintenance.

Wear eye protection.

Wear dust mask.

GENERAL SAFETY RULES

WARNING Read all safety warnings and instructions. Failure to follow all the warnings and instructions may result in electric shock, fire and/or serious injury.
SAVE ALL THE WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.
The term “power tool” in the warnings refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

1) Work area safety

a) Keep work area clean and well lit. Cluttered and 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 these devices can reduce dust related hazards.

4) Power tool use and care

a) Do not force the power tool. Use the correct power 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 marking 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 tools 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 intended could result in a hazardous situation.

5) Service

a) Have your power tool serviced by qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
EXTRA SAFETY REGULATIONS CONCERNING BELT SANDER
• Hold power tool by insulated gripping surfaces, because the belt may contact its own cord. Cutting a “live” wire maymake exposed metal parts of the power tool “live” and could give the operator an electric shock.
WARNING Contact with or inhalation of harmful / toxic dusts arising from sanding painted surfaces, woods and metals can endanger the health of operator and bystanders.

Take special care to guard against these dusts, including the following:
- All persons entering the work area must wear an approved mask specially designed for protection against harmful / toxic dusts, in addition to using the dust extraction facility, and keeping work area well ventilated.
- Children and pregnant women must not enter the work area.
- Do not eat, drink or smoke in the work area.

Any pre1960 building may have paint containing lead on wood or metal surfaces. If you suspect workpiece contains lead seek professional advice.

• Some wood and wood type products especially MDF (Medium Density Fibreboard) can produce dust that can be hazardous to your health. We recommend the use of an approved face mask with replaceable filters when using this machine in addition to using the dust extraction facility.

• Hold the machine correctly using two hands and adopt a stable stance, make sure that the mains cable is prevented fromcoming into contact with the machine or getting caught up on other objects preventing completion of the sanding pass.

• This tool is intended to remove surface material using an abrasive medium.

• Ensure that you have removed foreign objects such as nails and screws from the workpiece before commencing sanding.

• Do not use it for wet sanding, for dry sanding only.

• Where possible, secure smaller workpieces to prevent them from moving under the sander.

• Do not force the sander, let the tool do the work at a reasonable speed. Overloading will occur if too much pressure is applied and the motor slows resulting in inefficient sanding and possible damage to the sander motor.

• Do not use the dust collection box when sanding metal. The hot metal particles could cause residual wood dust or the internal filter paper to catch fire.

• Do not continue to use worn, torn or heavily clogged sanding belts.

• Do not touch the moving sanding belt.