# User Manual

Translation from the original instruction manual

WORKZONE TITANIUM+

# BELT & DISC SANDER

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ALDI guarantees that our exclusive brand products are developed to our stringent quality specifications. If you are not entirely satisfied with this product, please return it to your nearest ALDI store within 60 days from the date of purchase for a full refund or replacement, or take advantage of our after sales support by calling the supplier's Customer Service Hotline.

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ALDI STORES
1 SARGENTS ROAD
MINCHINBURY NSW 2770
www.aldi.com.au

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MODEL: BTS800 PRODUCT CODE: 3855 II/2015

**3** YEAR WARRANTY

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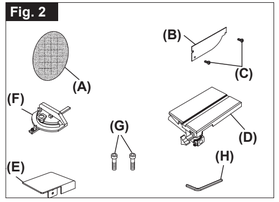


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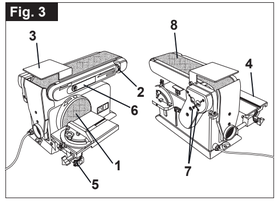


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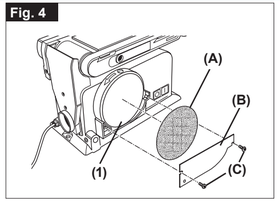


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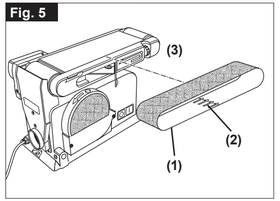


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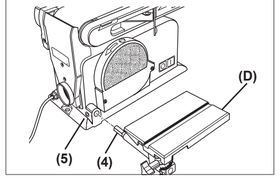


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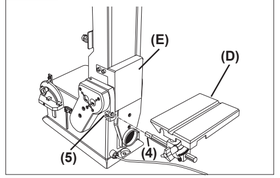


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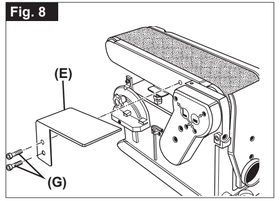


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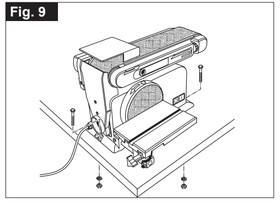

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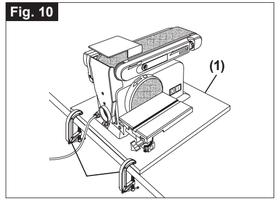


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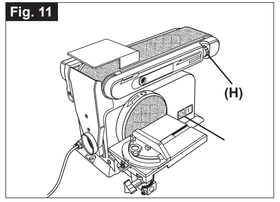


## Pack contents/parts

| | |
|---|---|
| 1 | Disc Guard |
| 2 | Phillips Screws (2) |
| 3 | Socket Head Screws, M8 x 12 (2) |
| 4 | Washers (2) |
| 5 | Miter Gauge |
| 6 | Hex Key |
| 7 | Worktable |
| 8 | Work Support |

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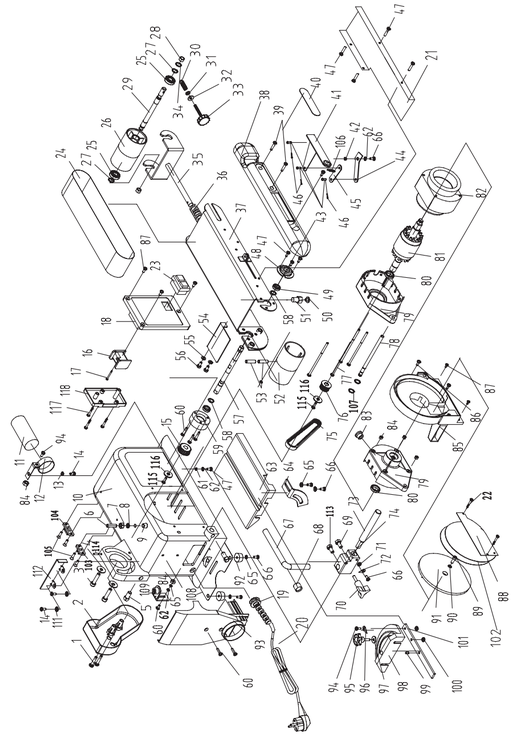



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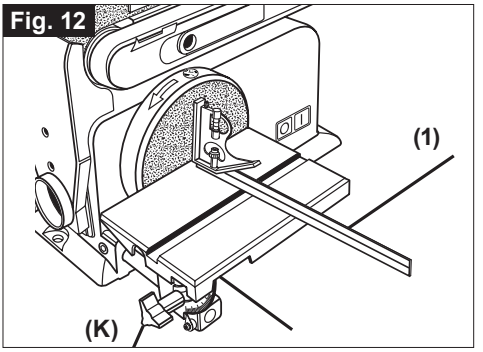
Fig. 12

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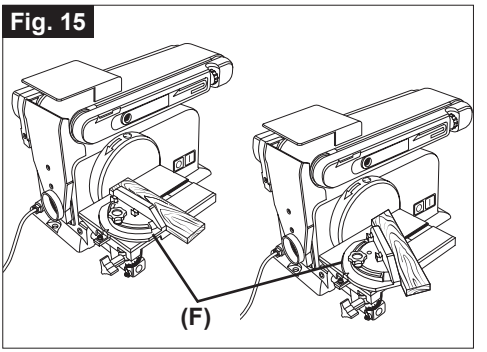


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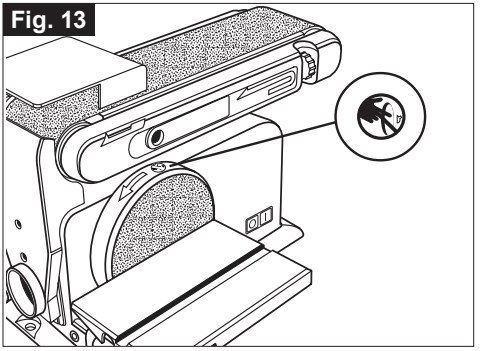

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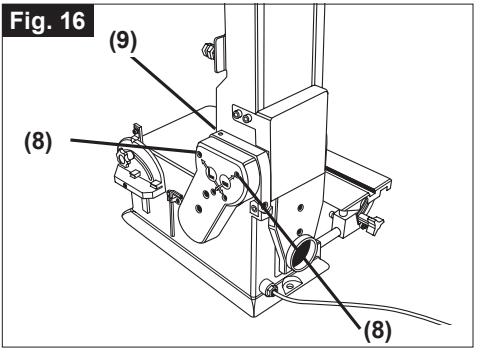


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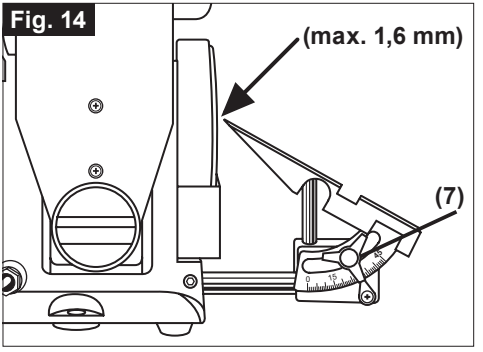


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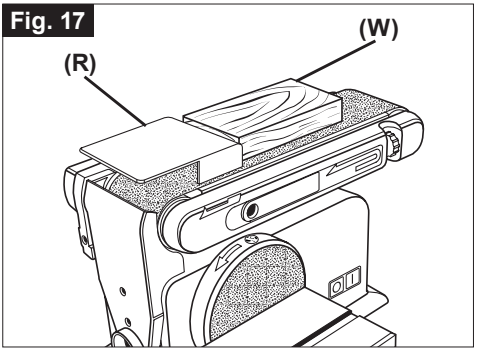

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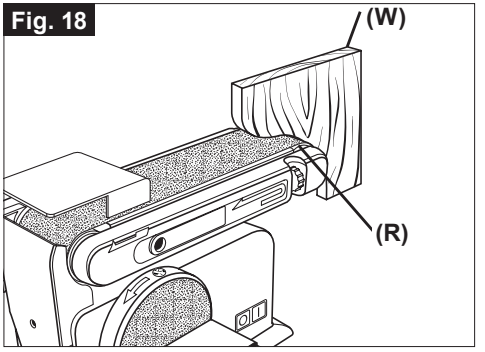


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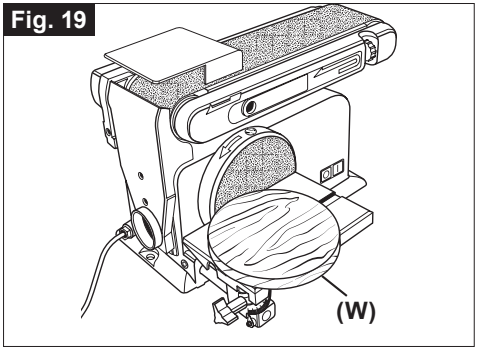


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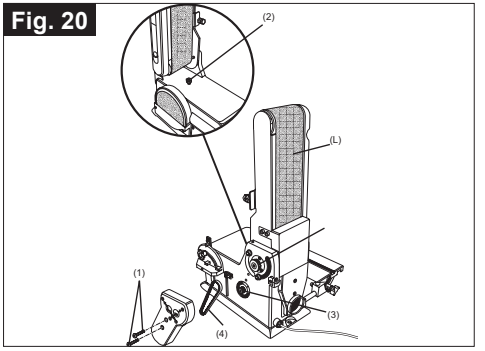




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# Warranty Details

The product is guaranteed to be free from defects in workmanship and parts for a period of 36 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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3 YEAR WARRANTY

WORKZONE® TITANIUM+

**BELT & DISC SANDER**

# Repair and Refurbished Goods or Parts Notice

Unfortunately, from time to time, faulty products are manufactured which need to be returned to the Supplier for repair.

Please be aware that if your product is capable of retaining user-generated data (such as files stored on a computer hard drive, telephone numbers stored on a mobile telephone, songs stored on a portable media player, games saved on a games console or files stored on a USB memory stick) during the process of repair, some or all of your stored data may be lost. **We recommend you save this data elsewhere prior to sending the product for repair.**

You should also be aware that rather than repairing goods, we may replace them with refurbished goods of the same type or use refurbished parts in the repair process.

**Please be assured though, refurbished parts or replacements are only used where they meet ALDI's stringent quality specifications.**

If at any time you feel your repair is being handled unsatisfactorily, you may escalate your complaint. Please telephone us on 1300 855 831 or write to us at:

RossMac Pty. Ltd.
P.O. Box 261, Essendon North, Victoria, 3041
1300 855 831
support@scheppach.com.au

# Explanation of the symbols on the equipment

| | |
|---|---|
|  | Read the operating instructions to reduce the risk of injury |
|  | Wear ear-muffs. The impact of noise can cause damage to hearing. |
|  | Wear a breathing mask. Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos! |
|  | Wear safety goggles. Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight. |

| | |
|---|---|
| ⚠ **Attention!** | These operating instruction provide places concerning your safety which are marked with this indication |
| ⚠ **Caution!** | Failure to follow these instructions may cause light to medium risk of injury |
| ⚠ **Warning!** | Failure to follow these instructions may cause danger to life or danger of serious injuries |

# I. Introduction

Congratulations on choosing to buy a WORKZONE TITANIUM® product.
All products brought to you by WORKZONE TITANIUM® are manufactured to the highest standards of performance and safety, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive 3 Year Warranty.
We hope you will enjoy using your purchase for many years to come.

**Note:**
According to the applicable product liability law the manufacturer of this device is not liable for damages which arise on or in connection with this device in case of:

- improper handling,
- non-compliance with the instructions for use,
- repairs by third party, non authorised skilled workers,
- installation and replacement of non-original spare parts,
- improper use,
- failures of the electrical system due to the non-compliance with the electrical specifications and the VDE 0100, DIN 57113 / VDE 0113 regulations.

**Recommendations:**
Read the entire text of the operating instructions prior to the assembly and operation of the device.
These operating instructions are intended to make it easier for you to get familiar with your device and utilise its intended possibilities of use.
The operating instructions contain important notes on how to work safely, properly and economically with your machine and how to avoid dangers, save repair costs, reduce downtime, and increase the reliability and working life of the machine.
In addition to the safety regulations contained herein, you must in any case comply with the applicable regulations of your country with respect to the operation of the machine.
Put the operating instructions in a clear plastic folder to protect them from dirt and humidity, and store them near the machine. The instructions must be read and carefully observed by each operator prior to starting the work. Only persons who have been trained in the use of the machine and have been informed on the related dangers and risks are allowed to use the machine. The required minimum age must be met.
In addition to the safety notes contained in the present operating instructions and the special regulations of your country, the generally recognised technical rules for the operation of wood working machines must be observed.


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## II. Layout

A Sanding Disc
B Disc Guard
C Phillips Screws (2x)
D Worktable
E Work Support
F Mitre Gauge
G Socket Head Screws, M8 x 12 (2x)
H Hex Key
1 Sanding disc
2 Tracking knob
3 Work Support
4 Worktable
5 Bevel gauge
6 Belt tension lever
7 Horizontal and vertical position holes
8 Sanding belt

## III. Scope of delivery

Disc Guard
Phillips Screws (2)
Socket Head Screws, M8 x 12 (2)
Washers (2)
Miter Gauge
Hex Key
Worktable
Work Support

- Open the packaging and remove the device carefully.
- Remove the packaging material as well as the packaging and transport bracing (if available).
- Check that the delivery is complete.
- Check the device and accessory parts for transport damage.
- If possible, store the packaging until the warranty period has expired.

⚠ **Attention!**
The device and packaging materials are not toys!
Children must not be allowed to play with plastic bags, film and small parts! There is a risk of swallowing and suffocation!

## IV. Intended use

The belt & disc sander is a combination device for the coarse and fine grinding/ sanding all types of timber, commensurate with the size of the machine.
The machine may only be used with grinding/sanding disc or belts which are suitable for it and comply with the characteristic data in these instructions.

The machine is allowed to be used only for its intended purpose! Even when the equipment is used as prescribed it is still impossible to eliminate certain residual risk factors. The following hazards may arise in connection with the machine's construction and layout:

- Catapulting of workpieces and parts of workpieces.
- Damage to hearing if essential ear-muffs are not used.
- Harmful emissions of wood dust when used in closed rooms.
- The rotating parts of the device cannot be covered for functional reasons. Therefore you must exercise care and hold the workpiece firmly to prevent it slipping which could result in your hands coming into contact with the sanding belt.

The equipment is allowed to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user/operator and not the manufacturer will be liable for any damage or injuries of any kind resulting from such misuse.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the equipment is used in commercial, trade or industrial businesses or for equivalent purposes.

## V. Safety regulations

⚠ **Caution!**
Read all safety regulations and instructions. Any errors made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury. Keep all safety regulations and instructions in a safe place for future use.
⚠ **Warning!** To protect against electric shock, injury and fire the following basic safety precautions must be observed when using power tools.
Read and follow these instructions before using the equipment and keep the safety information in a safe place.

1. **Keep work area clean**
   • Cluttered areas and benches invite injuries.
2. **Consider work area environment**
   • Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Don't use power tools in presence of flammable liquids or gases.


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3. **Guard against electric shock**
   • Prevent body contact with grounded surfaces (e.g. pipes, radiators, ranges refrigerators).
4. **Keep children away**
   • Do not allow other persons to touch the equipment or cable, keep them away from your work area.
5. **Store idle tools**
   • When not is use, tools should be stored in dry, high, or locked-up place, out of the reach of children.
6. **Don't force tool**
   • It will do the job better and safer at the rate for which it was intended.
7. **Use right tool**
   • Don't force small tools or attachments to do the job of heavy duty tool. Don't use tools for purposes not intended.
8. **Dress properly**
   • Do not wear loose clothing or jewellery. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
9. **Use safety glasses**
   • Also use face or dust mask if cutting operation is dusty.
10. **Don't abuse cord**
    • Never carry tool by cord or yank it to disconnect it from receptacle. Keep cord from heat, oil and sharp edges.
11. **Secure work**
    • Use clamps or a vice to hold work. It's safer than using your hand and it frees both hands to operate tool.
12. **Don't overreach**
    • Keep proper footing and balance at all times.
13. **Maintain tools with care**
    • Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.
14. **Disconnect tools**
    • When not in use, before servicing, and when changing accessories.
15. **Remove adjusting keys and wrenches**
    • Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
16. **Avoid unintentional starting**
    • Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.

17. **Outdoor use extension cords**
    - When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **Stay alert**
    - Watch what you are doing. Use common sense. Do not operate tool when you are tired.
19. **Check damaged parts**
    - Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service-center unless otherwise indicated elsewhere in this instructions manual. Have defective switches replaced by an authorized service-center. Do not use tool if switch does not turn it on and off.
20. ⚠ **Warning!**
    - The use of any other accessory or attachment other than recommended it this operating instruction or the catalog may present a risk of personal injury.
21. **Have your tool repaired by an expert**
    - This electric appliance is in accordance with the relevant safety rules repairing of electric appliances may be carried out only by experts otherwise it may cause considerable danger for the user.
22. **Connect the dust extraction device**
    - Wherever there are facilities for fitting a dust extraction system, make sure it is connected and used.

**General safety regulations and accident prevention**

It is essential that you read the safety regulations and operating instructions in their entirety and follow the information contained therein in order to eliminate the possibility of an accident or potentially dangerous situation from occurring while working with the machine.

- Always check the device, the mains cable and the plug before using the device. Only operate the tool when it is in good working order and is not damaged in any way. Damaged parts have to be replaced immediately by a qualified electrician.
- Always pull the power plug out of the socket outlet before doing any work on the machine, before changing tools and whenever the machine is not being used.
- To prevent damage to the power cable, always lead the power cable away from the rear of the machine.
- Keep the tools in a safe place and out of the reach of children.

**Use on materials containing asbestos is prohibited.**
Note the corresponding accident prevention regulation issued by the professional associations in your country.


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Use only original replacement parts.
- Repairs may only be carried out by a qualified electrician.
- The machine may exceed 91.5 dB at the workplace. The operator will require noise protection measures and ear muffs if this is the case. The noise of this electric tool is measured in accordance with IEC 59 CO 11, IEC 704, DIN 45635 part 21, NFS 31-031 (84/537/EEC).
- Ensure that you maintain a steady foothold. Avoid abnormal working postures.
- Do not expose your electric tool to rain. Never use electric tools in damp or wet locations or near flammable liquids or gases.
- Protect the mains cable from becoming damaged by oil, solvents and sharp edges.
- Keep your work area tidy.
- Make sure that the switch is turned off when connecting the tool to the power supply.
- Wear suitable work clothes. Never wear loose fitting clothes and jewellery. Wear a hair net if you have long hair.
- For your own safety, use only accessories and auxiliary equipment from the manufacturer of your electric tool.
- Always wear safety goggles, protective gloves and ear-muffs while carrying out grinding/sanding.
- The electric tool must never be used without the guard hood supplied with it.
- Always wear safety goggles and ear-muffs; use other personal safety equipment such as gloves, an apron and a helmet if necessary.
  ⚠ The workpiece becomes hot during sanding.

**Special safety information**

**1 Safety precautions**
- Wear suitable personal protective equipment. This includes:
  – Hearing protection to avoid the risk of becoming hearing impaired,
  – Respiratory protection to avoid the risk of inhaling harmful dust,
  – Wear goggles. Sparks generated during work or splinters, chippings and dust coming from the device can lead to loss of eyesight.
  – Connect a dust collecting device to the electric tool when sanding/grinding wood. The emission of dust is influenced, among other things, by the type of material to be processed, the significance of local separation (collection or source) and the correct setting of the hood/guide plates/guides.

**2 Maintenance and repair**
  – Pull out the mains plug for any adjustment or repair tasks.
  – The generation of noise is influenced by various factors, including the characteristics of sanding disc/belt and electric tool. Maintain the electric tool and tool attachments regularly and if necessary, initiate repairs in order to reduce noise.

– Report faults on the electric tool, protective devices or the tool attachment to the person responsible for safety as soon as they are discovered.

**3 Safe work**

– When transporting the electric tool, only use the transport devices. Never use the protective devices for handling or transport.
– The floor around the machine must be level, clean and free of loose particles, such as chips and cutting residues.
– Support long workpieces (e.g. with a roller table) to prevent them sagging at the end of a cut.

⚠ **Warning!** This electric tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the electric tool.

**Additional safety rules for the belt and disc sanding machine**

⚠ **WARNING!**: Do not use your machine until it is completely assembled and installed according to the instructions.

- If you are not familiar with the operation of the sanding machine, ask the head of the department, your teacher, or any other qualified person.
  ⚠ **ATTENTION!**: This machine has only been designed for sanding wood or similar materials. The sanding of other materials can cause fire, injuries, or damage the product.
- Always wear safety goggles.
- This machine may only be operated indoors.
- **IMPORTANT**: Mount and use the machine on a horizontal surface. A non-horizontal surface can damage the motor.
- If the machine tends to tilt or walk (especially when sanding long and heavy panels), it must be fastened to a solid surface of sufficient carrying force.
- Make sure the sanding belt runs in the correct direction – see arrows at the back of the belt.
- Make sure the sanding belt is running correctly so that it cannot come off the drive pulleys.
- Make sure the sanding belt is not twisted or loose.
- Firmly hold the workpiece when sanding.
- Always use the fence when using the sanding machine in horizontal position.
- Always hold the workpiece firmly to the table when using the sanding disc.
- Always hold the workpiece to the side of the sanding disc running downwards, in order to maintain the workpiece pressed to the table. By using the upward-running side of the sanding disc, the workpiece could be ejected and cause injury to persons.
- Always keep a minimum distance of about 2,0 mm or less between the table or fence and the sanding belt or disc.



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- Do not wear gloves. Do not hold the workpiece with a cloth during sanding.
- Use sanding belt or disc of the correct grit corresponding with the wood.
- Never sand workpieces too small to be held safely.
- Avoid awkward hand positions where a sudden slip could cause your hand to touch the sanding belt or disc.
- When sanding a large piece of material, provide an additional support at table height.
- Never sand an unsupported workpiece. Secure the workpiece with the table or the fence. Exceptions are the sanding of curved workpieces on the outside of the sanding disc.
- Always clear the table, fence or sanding belt of scraps or other objects, before turning the machine on.
- Do not perform any layout assembly or set-up work on the table while the sanding machine is in operation.
- Switch the machine off and pull the power plug from the socket when fitting or removing accessories.
- Never leave the working area of the sanding machine while the tool is running, or as long as it has not come to an absolute standstill.
- Do not use the tools in the presence of flammable liquids or gases.
- Guard against electric shock. Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).

**Residual risks**

**Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be ruled out. The following hazards may arise in connection with the equipment's construction and layout:**

- Lung damage if no suitable protective dust mask is used.
- Damage to hearing if no suitable ear protection is used.
- Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

**Keep this safety information in a safe place.**

## VI. Technical data

| | |
|---|---|
| **dimensions L x W x H mm** | 470 x 360 x 330 |
| **ø disc mm** | 150 |
| **rpm disc** | 2850 |
| **belt dimensions mm** | 100 x 915 |
| **belt speed m/s** | 7.25 |
| **belt tilt** | $0^0$ - $90^0$ |
| **table size mm** | 215 x 146 |

| | |
|---|---|
| **table tilt** | $0^0$ - $45^0$ |
| **weight kg** | 21.9 |
| **motor V/Hz** | 230-240/50 |
| **input P1 W** | 370W |
| **idle speed $n_0$ $min^{-1}$** | 2850 |

The work piece must have a minimum height of 10 mm and a minimum width of 10 mm.

**Noise**

Sound values were measured in accordance with EN 61029.

| | |
|---|---|
| **Sound pressure level $L_{pA}$** | 79.9 dB(A) |
| **Uncertainty $K_{pA}$** | 3 dB |
| **Sound power level $L_{WA}$** | 91.1 dB(A) |
| **Uncertainty $K_{WA}$** | 3 dB |

**Wear ear-muffs.**

The impact of noise can cause damage to hearing.

**Limit the noise to a minimum!**

- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.
- Wear protective gloves.

## VII. Assembly instructions

**SANDING DISC (1):**

A round sanding disc located on the side of the belt/disc sander.

**TRACKING KNOB (2):**

A tracking knob aids in centering the sanding belt.

**WORK SUPPORT (3):**

Supports the workpiece on the sanding belt.

**WORKTABLE (4):**

Equipped with a sturdy, worktable that provides a stable surface when using either the disc sanding or the belt sanding feature.

**BEVEL GAUGE (5):**

The worktable comes equipped with a bevel gauge that indicates the degrees the worktable can be tilted up to 45°.

**BELT TENSION LEVER (6):**
The belt tension lever releases the belt tension for easy belt replacement.
**HORIZONTAL AND VERTICAL POSITION HOLES (7):**
The horizontal and vertical position holes are used for changing the position of the belt from horizontal to vertical.
**SANDING BELT (8):**
The sanding belt can be adjusted from horizontal to vertical providing different positions for sanding workpieces of different shapes and sizes.

**Installing sanding disc and disc guard, Fig. 4**

⚠ **Warning!:**
Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious injury.
- Remove the backing from the sanding disc.
- Align perimeter of sanding disc with plate and press firmly into position.
- Position disc guard against the lower one-third of the disc, aligning holes as shown in figure 4.
- Using the two phillips head screws, securely tighten the disc guard into place.

**Installing/Replacing sanding belt, Fig. 5.**

On the smooth side of the sanding belt, there is a directional arrow. The sanding belt must run in the direction of the arrow.
- Pull the tension lever toward you to release belt tension.
- Place the sanding belt over the drive drum and idler drum with the directional arrows running counterclockwise. Be sure the sanding belt is centered on both drums.
- Push the tension lever back into place to apply the belt tension.

**Note:**
The tension lever is spring loaded so use extreme caution when pushing the tension lever back into place to avoid personal injury.

**Mounting the worktable for use with the disc sander, Fig. 6**

To use the worktable with the disc sander:
- Insert the index pin into the hole as shown in figure 6.
- Position the worktable not further than 1/16 in. (1.6 mm) from the sanding surface.
- Using a hex key, tighten the hex set screw securely.

**Mounting the worktable for use with the belt sander, Fig. 7**

To use the worktable for vertical sanding:
- Insert the index pin into the hole as shown in figure 7.
- Position the worktable not further than 1/16 in. (1.6 mm) from the sanding surface.
- Using a hex key, tighten the hex set screw securely.

⚠ **Caution!:** To avoid trapping the workpiece or your fingers between the table and the sanding surface, the table edge should **NEVER** be further from the sanding surface than 1/16 in (1.6 mm).

**Assembling work support, Fig. 8.**

- Place the work support over the holes in the side of the tool housing.
- Using a hex key, fasten in place with the washers and socket head screws.

**Mounting belt/disc sander to work bench, Fig. 9**

If your belt/disc sander is to be used in a permanent location, it is recommended you secure it to a workbench or other stable surface. When mounting the belt/disc sander to a workbench, holes should be drilled through the supporting surface of the workbench.
- Mark holes on workbench where belt/disc sander is to be mounted using holes in the base as a template for hole pattern.
- Drill holes through workbench.
- Place belt/disc sander on workbench aligning holes in the base with holes drilled in the workbench.
- Insert bolts (not included) and tighten securely with lock washers and hex nuts (not included).

**Note:**
All bolts should be inserted from the top. Install the lock washers and hex nuts from the underside of the workbench.

**Clamping belt/disc sander to work bench, Fig. 10**

If your belt/disc sander is to be used as a portable tool, it is recommended you fasten it permanently to a mounting board that can easily be clamped to a workbench or other stable surface. The mounting board should be of sufficient size to avoid tipping while belt/disc sander is in use.
Any good grade plywood or chipboard with a 3/4 in. (19 mm) thickness is recommended.


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- Mark holes on board where belt/disc sander is to be mounted using holes in the base as a template for hole pattern.
- Follow last three steps in section Mounting Belt/Disc Sander to Workbench.

If lag bolts are used, make sure they are long enough to go through holes in belt/disc sander base and material the belt/ disc sander is being mounted to. If machine bolts are used, make sure bolts are long enough to go through holes in belt/disc sander, the material being mounted to, and the lock washers and hex nuts.

## VIII. Operation

⚠ **Warning!:** Before performing any adjustment, make sure the belt/disc sander is unplugged from the power supply and the switch is in the OFF position. Failure to heed this warning could result in serious personal injury.

**Adjusting the belt tracking, Fig. 11**

- Plug in belt/disc sander.

To check belt tracking:

- Turn the switch ON and then immediately turn it OFF. If the belt tends to slide off the idler drum or drive drum, the belt is not tracking properly.

To adjust belt tracking:

- If the sanding belt moves toward the disc, turn the tracking knob clockwise 1/4 turn.
- If the sanding belt moves away from the disc, turn the tracking knob counter-clockwise 1/4 turn.
- Turn the switch ON and then immediately OFF again, noting belt movement. Readjust tracking knob if necessary.

**Squaring the worktable to the sanding disc, Fig. 12**

- Unplug the belt/disc sander.
- Using a combination square, check the angle of the worktable with the sanding belt.
- If the worktable is not 90° with the disc, loosen the table lock knob and tilt the table.
- Adjust worktable square to the sanding disc and retighten the table lock knob.

Note: Use the adjustment screw beneath the worktable to move the table further or closer to the sanding disc.

⚠ **Warning!:** Before attempting to use your belt/disc sander familiarise yourself with all operating features and safety requirements.

**Locking the switch, Fig. 13**

- Place the switch in the OFF position.
- Wait until the belt/disc sander has come to a full and complete stop.

**WARNING:**
Do not reach across the sanding disc to turn the belt/disc sander ON or OFF. Contact with the sanding disc can result in serious personal injury. See Figure 13.

**Hints for work**

**Bevel sanding, Fig. 14**

The worktable can be tilted from 0° to 45° for bevel sanding. To tilt the worktable:

- Loosen the table lock knob by turning it counterclockwise.

- Set worktable to desired angle.

**Note:** Position the worktable not further than 1/16 in. (1.6 mm) from the sanding surface.

- Tighten the table lock knob by turning it clockwise.

**Sanding small end surfaces using the mitre gauge, Fig. 15**

A mitre gauge is included with your tool for increased accuracy. Use of a mitre gauge is recommended for sanding small end surfaces on the sanding disc.

**Note:**
Always move the workpiece across the sanding disc from the left side towards the right side.

**Horizontal and vertical sanding, Fig. 16**

Your belt/disc sander can sand both vertically and horizontally. Depending on the workpiece, the work support can be used with either the horizontal or vertical sanding operation.

- Insert the hex key provided into the holes in the pulley cover. Loosen the screws by turning them counterclockwise.
- Move the sanding belt into a vertical position as shown in Figure 16. Vertical position can be changed using the vertical set screw.

- Lock the sanding belt by retightening the screws. Note: Sand long workpieces with the sanding belt in the vertical position by moving the work evenly across the sanding belt.

**Surface sanding on the sanding belt, Fig. 17**

- Hold the workpiece firmly, keeping fingers away from the sanding belt.
- Keep the end pressed firmly against the work support moving work evenly across the sanding belt.

**Note:**
Use extra caution when sanding very thin pieces and when sanding extra long pieces, remove the work support. Apply only enough pressure to allow the sanding belt to remove the material.

**Sanding curved pieces, see Fig. 18 and 19**

**WARNING:**
Never attempt to sand the end pieces of a workpiece on the idler drum. Applying the end of the workpiece on the idler drum could cause the workpiece to fly up. Failure to heed this warning could result in serious personal injury.

**Sanding inside curves on sanding belt:**
Always sand inside curves on the idler drum as shown in Figure 18.

- Hold the workpiece firmly, keeping fingers away from the sanding belt.
- Keep the curve pressed firmly against the idler drum moving work evenly across the sanding belt.

**Note:**
Use extra caution when sanding very thin pieces and apply only enough pressure to allow the sanding belt to remove the material.

**WARNING:**
Applying the workpiece to the right side of the sanding disc could cause the workpiece kickback. Failure to heed this warning could result in serious personal injury.

**Sanding outside curves on sanding disc:**

Always sand outside curves using the sanding disc and moving the workpiece from the left side of center as shown in Figure 19.

- Hold the workpiece firmly, keeping fingers away from the sanding disc.

- Keep the curve pressed firmly against the sanding disc moving work evenly on the left side of the sanding disc.

## IX. Cleaning and maintenance

Always pull out the mains power plug before starting any cleaning work.

**Cleaning**

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device.

**Maintenance**

After using your belt/disc sander, clean it completely and lubricate all sliding and moving parts. Apply a light coat of automotive type paste wax to the worktable to help keep the surfaces clean.

**Motor housing**

Frequently blow out any dust that may accumulate inside the motor housing.

**Changing drive belt, Fig. 20.**

**Note:**

Excessive tightness on the drive belt may cause increased noise and overload the motor. Excessive looseness on the drive belt may cause the drive belt to fail prematurely and make a severe chattering noise.

⚠ **Attention!** Changing the drive belt only by a specialist workshop.

## X. Storage/Transport

Store the equipment and accessories out of children's reach in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging.

**⚠ Attention!**
The appliance must unconditionally be secured against falling or turning down during transport.

When transporting the electric tool, only use the transport devices. Never use the protective devices for handling or transport.

## XI. Electrical connection

**The electrical motor installed is connected and ready for operation.**
**The connection complies with the applicable VDE and DIN provisions.**

**⚠ Attention!**
**The power supply cord of this machine has an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.**

**⚠ Warning!**
**Check the voltage! The voltage must comply with the information on the rating label!**

**The customer‘s mains connection as well as the extension cable used must also comply with these regulations.**

**Damaged electrical connection cable**

The insulation on electrical connection cables is often damaged.
This may have the following causes:

- Passage points, where connection cables are passed through windows or doors.
- Kinks where the connection cable has been improperly fastened or routed.
- Places where the connection cables have been cut due to being driven over.
- Insulation damage due to being ripped out of the wall outlet.
- Cracks due to the insulation ageing.

Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage.

Check the electrical connection cables for damage regularly. Make sure that the connection cable does not hang on the power network during the inspection.

Electrical connection cables must comply with the applicable VDE and DIN provisions. Only use connection cables with the marking „V-90/5V-90 3 x 0.75 mm²“.
The printing of the type designation on the connection cable is mandatory.

## XII. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

## XIII. Trouble shooting

| Problem | Possible Cause | Action |
|---|---|---|
| Motor doesn't start | a) ON/OFF switch damaged.<br>b) ON/OFF cable damaged.<br>c) ON/OFF relay damaged.<br>d) Fuse blown.<br>e) Motor burnt. | a-d) Replace all damaged parts before you use your machine again.<br><br>e) Contact your local service centre. Every attempt to carry out a repair, can be dangerous if it is not done by skilled personnel. |
| Machine gets slower during work. | Too much pressure put on the workpiece. | Reduce the pressure on the workpiece. |
| Sanding belt comes off the drive pulleys. | Belt does not run straight. | Reset the track. |
| The wood gets burnt during sanding. | a) Sanding disc or belt covered with grease.<br>b) Excessive pressure on workpiece. | a) Replace disc or belt.<br>b) Reduce pressure on workpiece. |


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