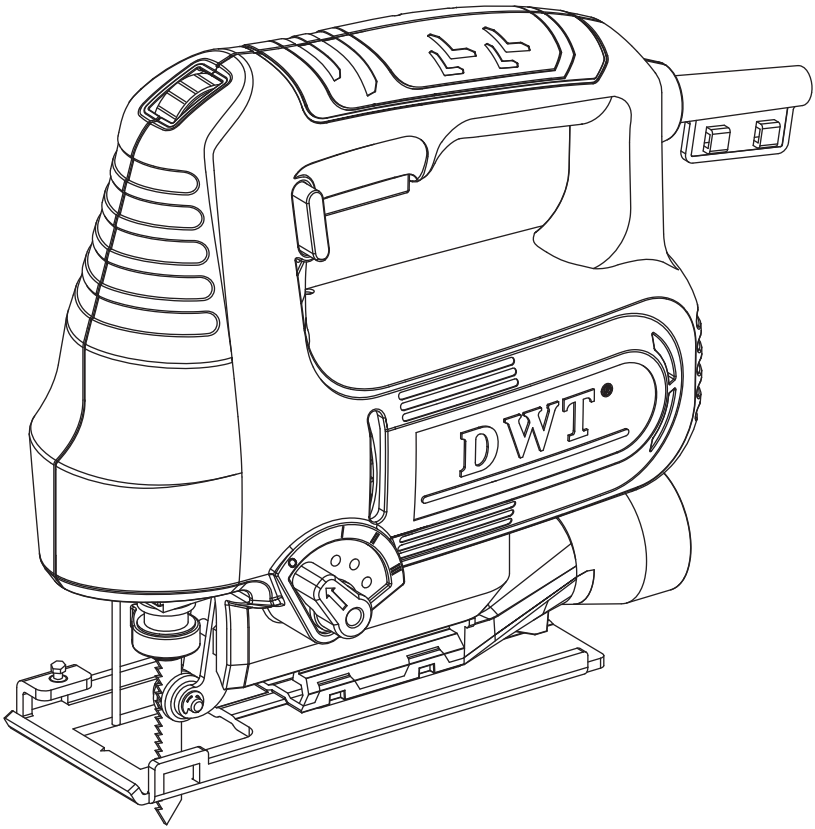
DWT®

STSP05-65 DV
STSP06-80 DV



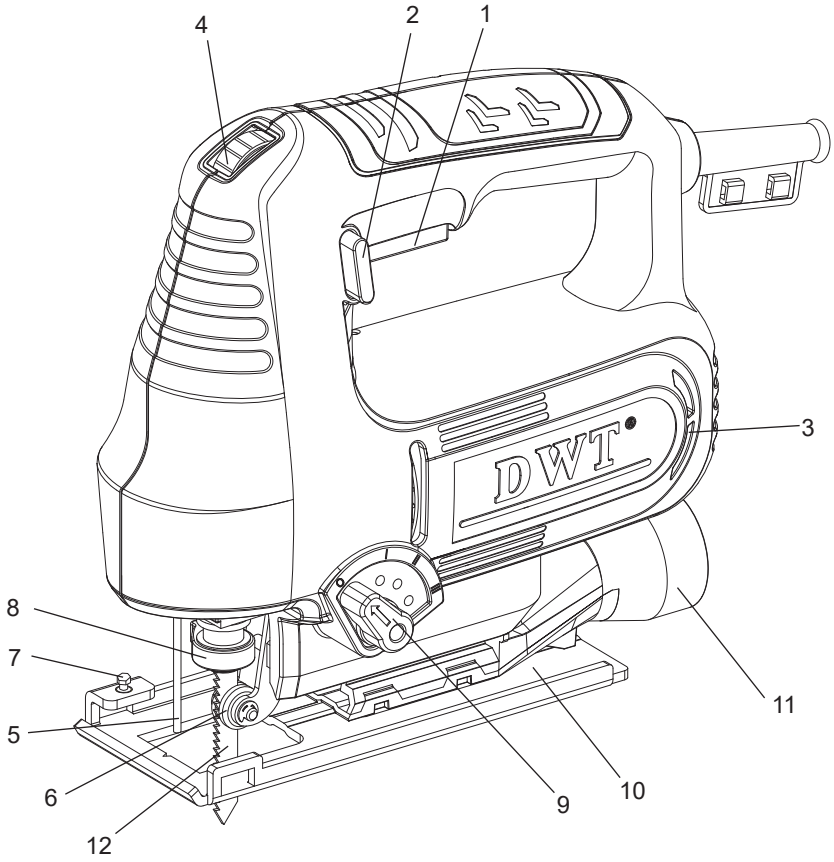
en Original instructions

ru Оригинальное руководство по эксплуатации

ua Оригінальна інструкція з експлуатації

kz Пайдалану нұсқаулығының түпнұсқасы

ka ექსპლუატაციის ორიგინალი სახელმძღვანელო



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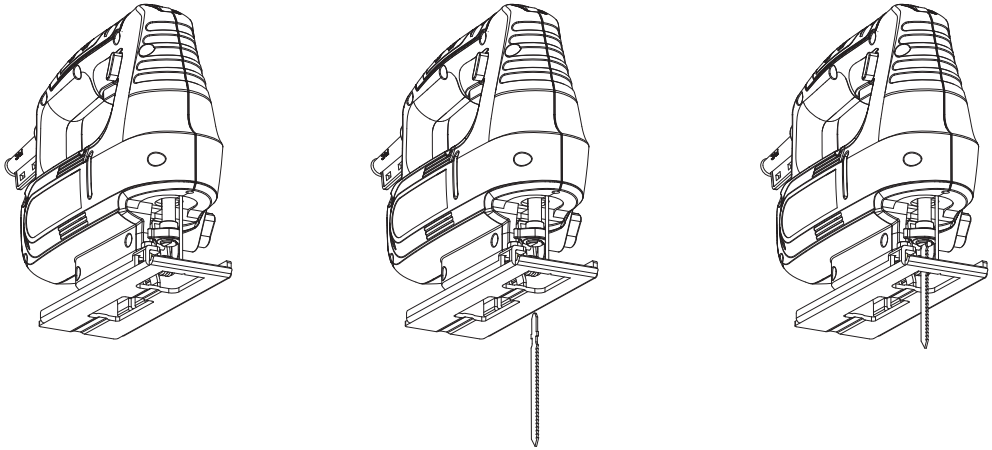

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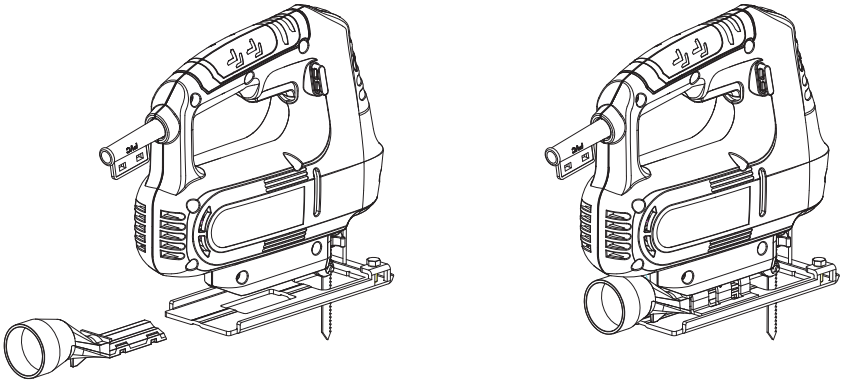

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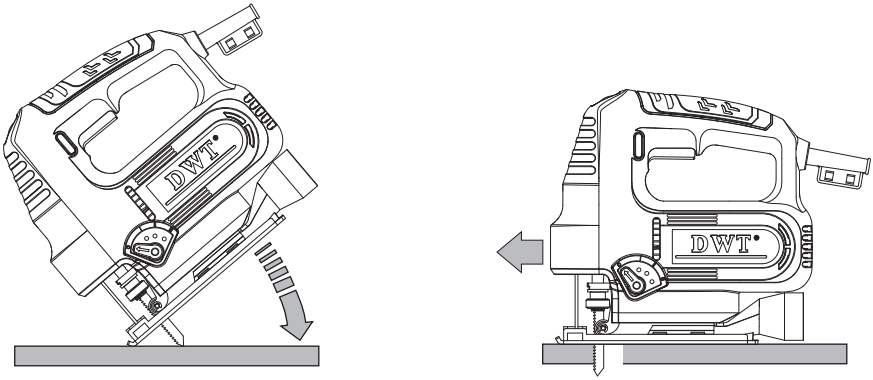

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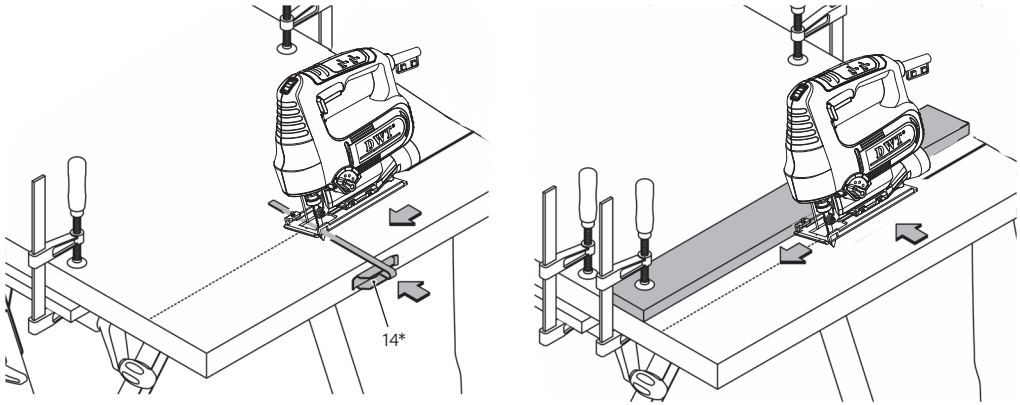

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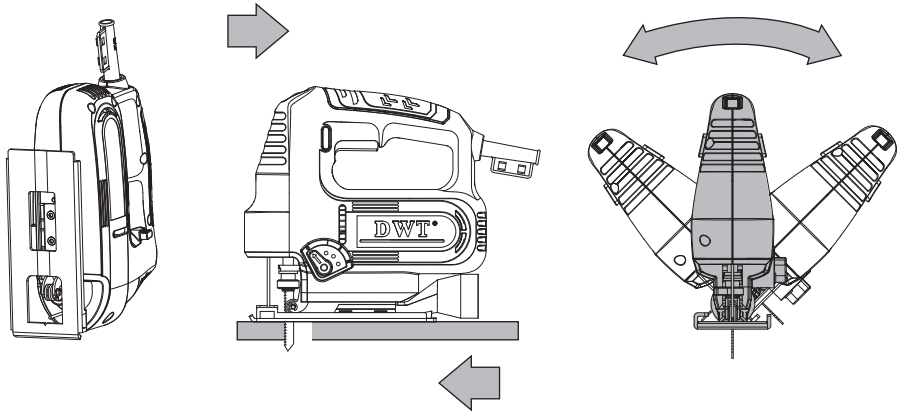


Power tool specifications

Jigsaw		STSP05-65 DV	STSP06-80 DV
Power tool code		**[220-230 V ~50/60 Hz]**	
Rated power	**[W]**	550	650
Power output	**[W]**	294	360
Amperage at voltage	**220-230 V [A]**	2.4	2.8
Stroke rate at no-load	**[min^{-1}]**	800-3000	800-3000
Length of stroke of the saw blade	**[mm]** **[inches]**	19 3/4"	19 3/4"
Pendulum		•	•
Max. angularity of the body (left / right)		45°/45°	45°/45°
Max. cutting ability:			
- wood	**[mm]** **[inches]**	65 2-9/16"	80 3-1/8"
- aluminum	**[mm]** **[inches]**	10 3/8"	10 3/8"
- steel	**[mm]** **[inches]**	6 1/4"	6 1/4"
Weight	**[kg]** **[lb]**	2.06 4.54	2.06 4.54
Safety class		⧈ / II	⧈ / II
Sound pressure	**[dB(A)]**	-	-
Acoustic power	**[dB(A)]**	-	-
Weighted vibration	**[m/s^2]**	-	-

Noise information

Always wear ear protection if the sound pressure exceed 85 dB(A).

CE* Declaration of conformity

We declare under our sole responsibility that the product described under "Power tool specifications" is in conformity with all relevant provisions of the directives 2006/42/EC 2014/30/EU including their amendments and complies with the following standards:
EN 62841-1:2015+A11;
EN 62841-2-11: 2016+A1
EN IEC 55014-1:2021;
EN IEC 55014-2:2021;
EN IEC 61000-3-2:2019+A1:2021;
EN 61000-3-3:2013+A1+A2;

Certification manager — Wu Cunzhen

* - for power tools with voltage 220-230 V.

Merit Link International AG
Stabio, Switzerland

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

General safety rules

WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury.

Save all 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.

Work area safety

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

Electrical safety

• **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.
• **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.
• **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
• **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.
• **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.
• **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. NOTE! The term "residual current device (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".
• **Warning!** Never touch the exposed metal surfaces on gearbox, shield, and so on because touching metal surfaces will be interfered with the electromagnetic wave, thus causing potential injury or accidents.

Personal safety

• **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.
• **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.
• **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.
• **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.
• **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power 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.
• **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
• **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles**. A careless action can cause severe injury within a fraction of a second.
• **Warning!** Power tools can produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this power tool.

Power tool use and care

• The persons with lowered psychophysical or mental aptitudes as well as children can not operate the power tool, if they are not supervised or instructed about use of the power tool by a person responsible for their safety.
• **Do not force the power tool. Use the correct power tool for your application**. The correct power tool will do the job better and safer at the rate for which it was designed.
• **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.
• **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools**. Such preventive safety measures reduce the risk of starting the power tool accidentally.
• **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.
• **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
• **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
• **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
• **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

• Note that when you operate a power tool, please hold the auxiliary handle correctly, which is helpful when controlling the power tool. Therefore, proper holding can reduce the risk of accidents or injuries.

Service

• **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
• Follow instruction for lubricating and changing accessories.

Special safety warnings

Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

Safety guidelines during power tool operation

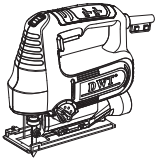
• Fix the workpiece. Use a fixing device or a vice to fix the work piece for safely and steadily.
• Take necessary and proper safety measures when harmful, flammable or explosive dust is produced in the work. For example, dust that may cause cancer is produced during the operation. Please use dust and chip collecting device and wear a dust mask in the work.
• Keep workplace tide and clean. The mixed materials would be extremely dangerous. Light metal dust would be combusted and explode easily.
• Do not process materials that contain asbestos. Asbestos is cancerogenic substance.
• Put down the power tool when the saw blade is fully stopped.
• Do not use power tool when cable is damaged. If the power wire is damaged or broken in the work, do not touch it and pull out the plug immediately. Using broken wire would lead to electric shock easily.
• Keep hands away from sawing area. Hand shall not hold the lower part of work piece. Your hand would be cut when it touches saw blade.
• First start the power tool and then put the power tool of the workpiece to process it. If the saw blade is stuck in the workpiece and power tool would rebound.
• Attention: the base plate shall cling to the workpiece during the sawing. If the saw blade is deflected, it would be broken and power tool would rebound.
• Cut off the power of power tool when work is done and take the saw blade when the power tool is fully stopped. The power tool wouldn't rebound in this way and it can be put down safely.
• Use undamaged and crackles saw blade only. Bended or dull saw blade would be broken easily and cause rebound of power tool.
• After the power tool is shut down, do not stop the moving saw blade by side pressure. The blade saw would be damaged or broken and further lead to rebound in this way.
• Use proper detector to detect whether there is concealed circuit and pipeline in the operation area and ask the local construction organization for assistance if necessary. In the work, if the cable is cut off, it would cause fire disaster and electric shock. Damaged gas pipe would explode. If the water pipe is cut off, it would cause property losses and electric shock to the operator.
• Fix the saw blade rigidly with the saw holder. Check the fixing of the saw blade regularly.
• Before cutting of wood, remove any metal objects from the material (nails, screw nails, straps, etc.).
• Avoid stopping an power tool motor when loaded.
• During operation watch the position of a power cable (it should always be positioned behind the power tool). Do not allow it to whip around your legs or arms.
• Should power supply fail during work, immediately turn the power tool's switch "Off" in order to avoid accidental turning of the power tool on.
• After the power tool is switched off, the saw blade keeps moving mechanically for some time, therefore put the power tool aside only after the saw blade is completely immobile.
• The saw blade gets quite hot during the operation, therefore do not touch the saw blade until it is completely cooled off.

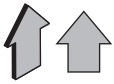
Warning: the chemical substances contained in dust generated in sanding, cutting, sawing, grinding, drilling and other construction industry activities may result in cancer, congenital deficiency or be harmful to the fertility. The ion of some chemical substances shall be:

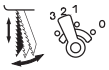
• before any repair and replacement work to the machine, the power plug must be pulled out firstly;
• the transparent two silicon oxide and other masonry products in the wall bricks and cement; the chromium arsenic (CCA) in wood with chemical treatment. The harm degree of these substances shall depend on the frequent degree of you carrying out these works. If you want to reduce the contact with these chemical substances, please work in the place with ventilation and you shall use the appliances with safety certificates (such as the dust mask designed with tiny dust filter).

Symbols used in the manual

Following symbols are used in the operation manual, please remember their meanings. Correct interpretation of the symbols will allow correct and safe use of the power tool.

Symbol	Meaning
	**Jigsaw** Sections marked gray - soft grip (with insulated surface).
	**Serial number sticker:** XX - date of manufacture; XXXXXXX - serial number.

Symbol	Meaning
	Read all safety regulations and instructions.
	Wear safety goggles.
	Wear ear protectors.
	Wear a dust mask.
	Disconnect the power tool from the mains before installation or adjustment.
	Movement direction.
	Rotation direction.
	Locked.
	Unlocked.
	Double insulation / protection class.
	A sign certifying that the product complies with essential requirements of the EU directives and harmonized EU standards.
	Attention. Important.
	Useful information.
	Wear protective gloves.

Symbol	Meaning
	During operation, remove the accumulated dust.
	Pendulum motion off.
	Pendulum motion, first stage.
	Pendulum motion, second stage.
	Pendulum motion, third stage.
	Saw blade T-shank.
	Do not dispose of the power tool in a domestic waste container.

Power tool designation

The jigsaws are used for sawing wood, plastic, aluminum and other types of materials (see guidelines for the use of saw blades). The sawing trajectory may be both straight and curved; the option of angling the casing allows making angular cuts.

Power tool components

1 On / off switch
2 Lock-on button
3 Ventilation slots
4 Thumbwheel for stroke rate selection
5 Contact protector
6 Guide roller
7 Wing screw
8 Saw holder
9 Lever for pendulum stroke adjustment
10 Base plate
11 Vacuum cleaner adapter
12 Saw blade
13 Allen key
14 Guide bar for parallel cutting *

* Optional extra

Not all of the accessories illustrated or described are included as standard delivery.

Installation and regulation of power tool elements

Before carrying out any works on the power tool it must be disconnected from the mains.

Mounting / dismounting / setting-up of some elements is the same for all power tool models, in this case specific models are not indicated in the illustration.

Do not draw up the fastening elements too tight to avoid damaging the thread.

The inserting / replacing of the saw blade (see fig. 1-2)

As a result of the long use the saw blade 15 may become quite hot and the sharp cutting edges may injure the user, therefore one must always use protective gloves when inserting / replacing the saw blade 15.

Attention: observe the following rules upon the inserting of the saw blade :

- the teeth of the saw blade must face forward;
- the claws on the stem of the saw blade should rest upon the saw holder ;
- the saw blade must fit inside the cavity of the guide roller .

• Move sleeve of saw holder as shown in fig. 1.1 (this will unlock the clamping mechanism of the saw holder and allows you to insert / replace the saw blade).
• Insert / replace saw blade (see fig. 1.2).
• Move sleeve of saw holder as shown in fig. 1.3 (this will lock the clamping mechanism of the saw holder).

Installation and removal of vacuum cleaner adapter (see fig. 2)

- shows vacuum cleaner adapter mounting / dismounting operations.

Initial operation of the power tools

Always use the correct supply voltage: the power supply voltage must match the information quoted on the power tool identification plate.

Switching the power tool on / off

Short-term switching on / off

To switch on, press and hold on / off switch , to switch off - release it.

Long-term switching on / off

Switching on:
Push on / off switch and lock it in the position with lock-on button .
Switching off:
Push and release on / off switch .

Dust suction during the power tool operation

Dust suction allows reducing dust concentration in the air and prevents its accumulation at the workplace.
When working with the power tool always use a suction cleaner to suck off the dust form the treated materials.

Design features of the power tool

Stroke rate selection

Using the thumbwheel for stroke rate selection one may select the needed number of stroke of the saw blade (also when operating the power tool).

• Push on / off switch and lock it in the position with lock-on button .
• By moving the thumbwheel for stroke rate selection , select the needed number of stroke of the saw blade .

- **1-2 (low stroke rate)** - use when sawing hard and solid materials (alloy-free steel, non-ferrous metals and their alloys, etc.);
- **3 (medium stroke rate)** - use for sawing less hard materials (plastic, plywood, particleboards, hard wood, etc.);
- **4-5 (high stroke rate)** - use for sawing soft materials (soft wood, insulating materials, etc.).

Following setting up the number of stroke rate of the saw blade 15 it is recommended to make a test saw cut using a spare piece of the blank part (made of the same material as the part to be processed).

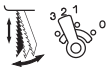
When operating your power tool at a low speed for a long time, it has to be cooled down for 3 minutes. To do it, set a maximum stroke rate and leave your power tool to run idle.

Pendulum rate selection

Pendulum rate facilitates selecting the optimal sawing regime (feed velocity, the appearance of the saw cut, etc.) for the processed material.
With each downward move the saw blade is driven back from the blank part which improves the release of the sawdust, reduces the heating up and increases the operating life of the saw blade . Moreover the reduction of the feed force allows the worker to operate the instrument without getting tired.
The degree of the pendulum strike may be changed when operating the power tool. The lever for pendulum stroke adjustment allows setting four steps of the pendulum stroke:

Step 0:
No pendulum action;

Step I:
Small pendulum action;



Step II:
Medium pendulum action;

Step III:
Large pendulum action.

It is recommended to consider the following recommendations when selecting the degree of the pendulum rate:

- when the edge of the saw cut must be exact and clean, select small pendulum rate or switch the pendulum rate off;
- switch the pendulum rate off when processing thin (sheet metal, sheet plastic, etc.) or hard materials (alloy-free steel, non-ferrous metals, etc.);
- when sawing soft materials (soft wood, etc.) select large pendulum rate; it will increase the speed of the operation, however the quality of the saw cut may be reduced.

It is recommended to make a test saw cut using a spare piece of the blank part (made of the same material as the blank part to be processed) after the pendulum rate is selected.

Protection against contact with saw blade

Contact protector prevents accidental contact with saw blade and improves safety of work performance.

Recommendations on the power tool operation

Selecting the saw blade

Saw blades of T-type may be used with all of the jigsaw models.

Before starting the operation, please select the appropriate type of the saw blade which should correspond to the sawed material, sawing regime and the quality of the edge of the saw cut. The designation of the saw blade is printed on the package; you may also ask the salesperson.

General guidelines for cutting

Make a test saw cut using a spare piece of the blank part (made of the same material as the material of the blank part) in order to make sure that the saw blade , the sawing speed and the pendulum strike have been selected appropriately.

- Make sure that the blank part is tightly fastened and that all of the metal pieces (nails, screw nails, etc.) have been removed from it.
- Turn the power tool on before the saw blade comes in contact with the blank part. Do not use extra force; the operation requires some time. Extra force will not speed up the operating process, but it will overload the tool.
- When the teeth of the saw blade are too large for the blank part (excessive vibration, splitting and chipping of the processed surface will serve as a sign of the teeth being too large), turn off the power tool immediately and replace the saw blade with the appropriate blade.
- If the saw blade jams during the operation, turn off the power tool immediately and try to expand the saw cut, then carefully remove the saw blade from the saw cut.
- After the cutting is finished, first turn the power tool off and then remove the saw blade from the saw cut.

When cutting certain materials (like metals), the saw blade may heat up ex - cessively, therefore it is recommended to use cooling or lubricating substances which are to be applied to the point where the saw blade comes in contact with the blank part.

Plunge sawing (see fig.3)

Plunge sawing may be used only when sawing soft materials, such as wood, plasterboard, etc. This operating technique facilitates sawing the holes without preliminary drilling - the saw blade 15 cuts through the blank part on its own. This technique requires certain skill and may be applied using short saw blades

- Position the power tool on the front edge of the base plate (see fig.**3**) and turn it on. Slowly plunge the blank part with the saw blade by pressing the power tool to the blank part.
- Once the saw blade cuts through the blank part return the power tool into its normal operating position and continue cutting along the marked line.

Straight sawing (see fig. 4)

The parallel guide for parallel sawing allows sawing along the existing straight edge as well as cutting straight bars of the same width.

- Loosen wing screws .
- Position the parallel guide for parallel sawing.
- Set the needed sawing distance.
- Tighten wing screws to fix guide bar for circular / parallel sawing.
- Saw by pressing the parallel guide for parallel sawing to the side edge of the blank part.

Similar results can be reached by attaching a board to a work part with screw clamps and using such board as a secondary limit stop. Perform sawing by moving power tool along the limit stop while pressing the side of base plate to the side of the board.

Cutting angle adjustment (see fig. 5)

The design of the power tool facilitates making angled saw cuts by angling the case of the power tool. The base plate of the power tool contains a scale which marks the angles of the casing of the power tool (the step is 15°). If additional measuring instruments are used, one may position the casing of the power tool at any angle (within the limits specified in the technical data table).

- Use Allen key to loosen bolt
- Shift the base plate forward (depending upon the previously installed angle of the casing) and select the needed angle of the casing using the readings of the scale or the readings of the additional measurement instrument.
- Use Allen key to tighten bolt .
- Perform sawing as described above.

Power tool maintenance / preventive measures

Before carrying out any works on the power tool it must be disconnected from the mains.

Cleaning of the power tool

An indispensable condition for a safe long-term exploitation of the power tool is to keep it clean. Regularly flush the power tool with compressed air thought the ventilation slots .

After-sales service and application service

Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts. Information about service centers, parts diagrams and information about spare parts can also be found under: **www.dwt-pt.com**

Transportation of the power tools

- Categorically not to drop any mechanical impact on the packaging during transport.
- When unloading / loading is not allowed to use any kind of technology that works on the principle of clamping packaging.

Environmental protection

Recycle raw materials instead of disposing as waste.

Power tool, accessories and packaging should be sorted for environment-friendly recycling.
The plastic components are labelled for categorized recycling.
These instructions are printed on recycled paper manufactured without chlorine.

The manufacturer reserves the possibility to introduce changes.

DWT_PT_Man.STSP_09.2024

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