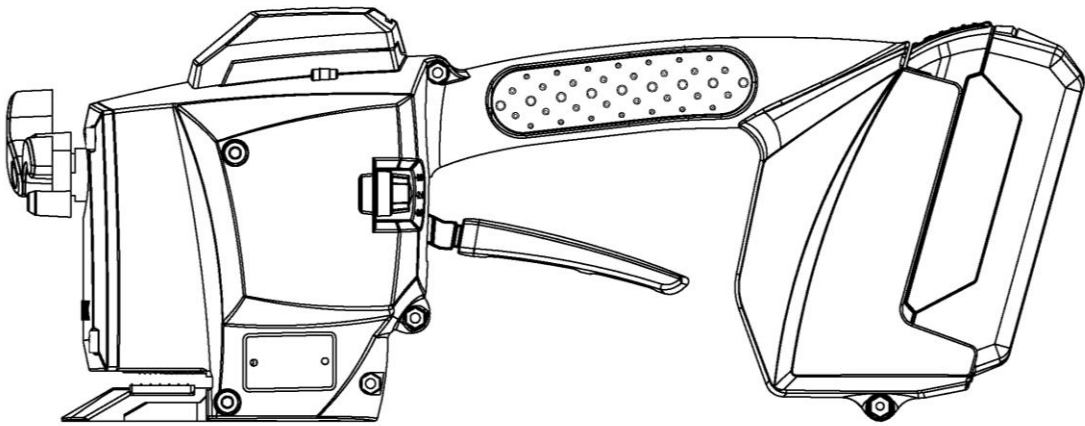


USER MANUAL
(V1.0)
MODEL ZP-SW25A
BATTERY POWERED
PLASTIC STRAP SEALING TOOL



CE RoHS UN38.3

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1. INTRODUCTION OF ZAPAK ZP-SW25 LINE OF PRODUCTS

Zapak ZP-SW25 line of products are battery powered portable plastic straps sealer. A more convenient and affordable tool for strapping. Save significant packing cost by eliminating the conventional metal clips or seals.

1.1 Description of major components

- | | |
|--------------------------------|---|
| (1) Dust cover | (6) Sealing time adjustment knob |
| (2) Operation indicator | (7) Bottom sealing gripper |
| (3) Handle | (8) Sealing head |
| (4) Battery | (9) Front cover |
| (5) Operation lever | (10) Sealing lever |

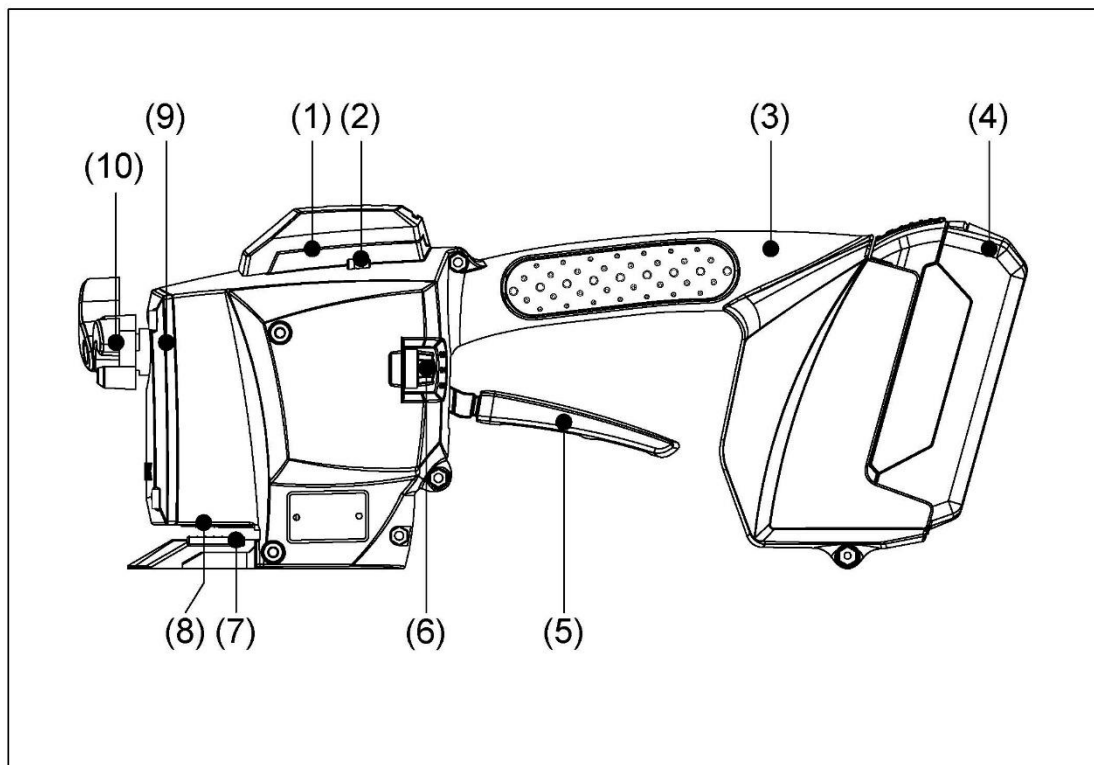
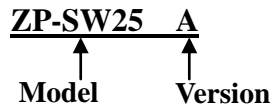


FIGURE 1.

2. MODEL NUMBERS & SPECIFICATIONS



A. Specification

Model	Battery Charger Voltage	Fits poly strap	Max. Strap Width		Max. Strap Thickness		Sealing Efficiency
			mm	inch	mm	inch	
ZP-SW25A	100V	PP & PET	25	1	1.53	0.06	85±5%
	115V						
	230V						
	240V						

B. Dimension: Length: Approx. 345 mm (13.6")
 (Tool size with battery) Width : Approx. 87 mm (3.4")
 Height: Approx. 135mm (5.3 ")

C. Weight: TOOL : Approx. 1.50 Kgs. (3.30 Lbs)
 BATTERY: Approx. 0.60 Kgs. (1.32 Lbs)

D. Noise: Sound pressure level : 115 dB(A)
 Sound power level : 120 dB(A)

E. Sealing time adjustment: 0.6~4.8 seconds

F. Sealing Efficiency: 85%+-5% based on normal strap specification and conditions.
NOTE : Sealing efficiency varies based on strap quality, remaining battery power and set sealing time.

G. Battery: For ZP-SW25 : BOSCH (ZAPAK Item no. 9380)
 Voltage / Capacity 18Vd.c./4.0Ah Li-Ion.

NOTE :

- The Li-Ion battery may fail to work when ambient temperature is lower than -10°C ~ 40°C (14°F~104°F). Please use Li-Ion battery within such temperature range**
 (ZAPAK Item no. 9380 Li-Ion battery, 18Vd.c., 4.0Ah)
- Number of sealing cycles based on a brand new & fully charged battery :
 Approx. 420 cycles with 25mm x 1.05mm PET strap
 Approx. 650 cycles with 19mm x 1.05mm PET strap
 Approx. 810 cycles with 16mm x 1.05mm PET strap
 Approx. 1,220 cycles with 15mm x 0.85mm PP strap

Number of sealing cycles varies based on strap quality, specification, set sealing time, operation habit, ambient environment (The approx. number was tested on normal quality straps based on a new and fully charged Li-Ion battery, part no. 9380).

3. Life cycle: Approx. 2000 charges (**based on proper charging & discharging operation and working habits**).
4. **Please refer to “4.3. Charging Battery“ regarding usage and storage of battery**
5. Storage temperature : -20°C ~60°C (-20°C ~20°C would be better)
Storage humidity: 65% ± 20%
6. Ambient temperature: -10°C ~40°C
7. Average ambient temperature for charge is 0 °C~45 °C, charging efficiency drops if ambient temperature is above 45 °C or lower than 0 °C which may lead to deterioration in performance and even battery leakage.

(Please refer to article 3. “SAFETY INSTRUCTION “ and BOSCH Safety Notes regarding environmental, recycle and safety precautions of battery.) BOSCH Li-Ion battery (No. 9380) complies with UN38.3 safety requirements.

H. Bosch
Charger

For ZP-SW25 (ZAPAK part no.2382-XX, BOSCH Charger no. AL1860CV/GAL1880CV): Charging time 30 minutes under normal condition. **(Please refer to user manual of Bosch charger for detailed specification and safety precautions.)**

REMARKS :

1. Each tool is equipped with one ZAPAK battery powered plastic sealing tool, one BOSCH Li-Ion battery, one BOSCH charger(with charger manual), cleaning brush, bottom sealing gripper plate, strap width adjustment set and operation user manual etc.
2. All electrical and mechanical specifications conform to the most major safety standards. Please refer to the label and packaging for detail information.
3. Plug specification of charger varies with different country /areas' request.
4. Most parts of this tool are made of recyclable material. Please refer to the recycle mark on each component.
5. Products and specifications subject to change without notice.

3. SAFETY INSTRUCTION

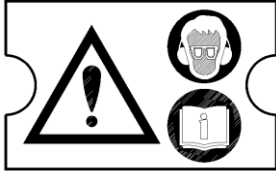
When using this sealing tool, basic safety precautions should always be followed to reduce the risk of fire, leaking batteries and personal injury including but not limited to the followings:

Read all these instructions before operating this product and save these instructions.

Labels on the tool

Please notice and follow the safety precautions listed on the security label and manufacture label which show on tool before operation. Please notice the following position of labels on tool.

(1) Security label



The precautions and instructions of this marking should be always noticed and followed.



Always wear safety goggles and ears protection device to protect your eyes and ears during operation, failure to wear it may result in serious eyes injure or blindness.



Read all instructions carefully before operating this product.

(2) Manufacture label contains model number, serial number, country of origin and CE mark.



Working Environment

- * Do not expose and use the tool to wet or dusty environment.
- * Do not use the tool where is risk to cause fire or explosion or near flammable substances including but not limited to fine dusts and gas.
- * Keep your working area clean. Cluttered areas and benches invite injuries.

Operation Precautions

- * Properly use the tool: please use the tool in accordance to this user manual. Do not use the tool for any unintended purpose.
- * Use authentic accessories and components recommended in this manual, **Improper or unauthentic accessories components / parts may damage the tool & result in a risk of personal injury & invalidate your warranty.**
- * Positioning yourself and keep other personnel at a safe distance from direction of the loosened strap end when operating tool. The loosened strap end might fly and hurt the user and bystanders.

- * Keep proper footing and balance at all times when operating the tool. Do not use the tool when you are in an awkward position.
- * Stay alert during operation. Watch what you are doing. Use common sense. Do not operate the tool when you are tired
- * Avoid long time idle running of motor which may cause damages on the control system and mechanical parts.
- * Dress properly. Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protecting hair covering to contain long hair.

Strap

- * Use only recommended strap specifications in this manual. **Poor quality strap or improper strap specifications may reduce sealing performance.**

Sealing Joint Examination

- * Check the sealing joint after sealing. Please re-seal the article when sealing joint is poor in order to secure goods in transit. Please adjust the sealing time according to this manual to reach the best sealing efficiency.

Environmental, Recycle and Safety Precautions for Battery

- * **Do not dispose battery in household refusal, water or fire.**
- * **Do not store battery together with metal objects to prevent any hazard of short circuit.**
- * **Do not open up battery cases. Keep it in dry place.**
- * **Never attempt to short-circuit the battery by connecting the positive (+) and negative (-) terminals.**
- * **Remove battery from the tool when tool is not in use to prevent quick power exhaustion. This good habit will extend the life of the battery.**
- * **Remove battery from charger as soon as the charging process is completed.**
- * **A fully charged battery will gradually lose its power naturally in storage. Please activate the battery by a full charge every 3-6 months.**
- * **When operation indicator of tool is flashing in red with continuous “beep” sound alarm, please recharge the battery.**
- * **Use BOSCH Li-Ion battery (part no. 9380) only for ZP-SW25. ZAPAK 9380 battery is only suitable for BOSCH Charger (AL1860CV /GAL1880CV, ZAPAK part no. 2382-XX), No adaptor is needed for charging battery part no. 9380. Using improper charger or improper battery may result in risks of electric shock, overheat, explosion, burning or leakage of corrosive liquid from the battery and invalidate your warranty.**
- * **If corrosive liquid contacts your body, please clean and wash it with water immediately.**

Safety Precautions for Charger

- * Please read and follow the safety instruction of the charger user manual before using charger.
- * Ensure the battery is clean and dry before plugging into the charger.

Maintenance & Service

- * Good maintenance and keeping the tool clean can ensure a normal operation and a good performance of the tool. Use genuine spare parts or accessories according to this user manual for replacement. Using non-genuine spare parts for replacement may result in considerable danger. If any damage occurred, please send it to manufacturer's authorized dealer for repairing.

Do not try to repair the tool by yourself, it will invalid your warranty.

- * Check damaged parts. Before further use of the tool, part which is damaged should be carefully checked to determine that it would operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. Do not operate tool with broken or worn parts. Never modify the tool.
- * **Please remove battery from the tool before maintenance.**
- * Please refer to **articles 6 “ MAINTENANCE AND SERVICE”** for detailed information.
- * When the tool is damaged, please do not operate it again. Do not modify the tool either.

Storage

- * Store the tool and battery separately in a dry and clean location when not in use. Keep away from reach of children.

4 SETTING BEFORE OPERATION

Read and follow the safety instructions of this manual. Please follow the steps as follows before initial operation

4.1 Introduction of operating components

Please refer to 1.1 “ Description of major components. “

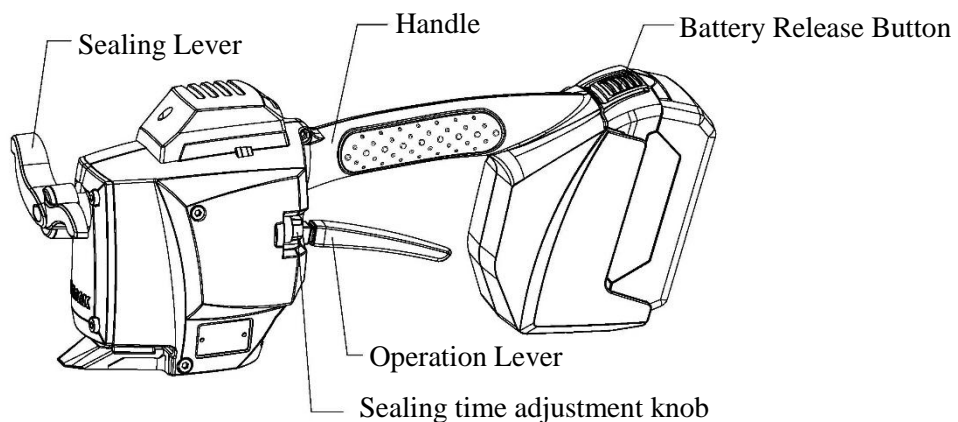


FIGURE 2. ZP-SW25 Description of major components

4.2 Operation indicator

The operation indicator can instantly tells you the operation status of the tool.

Operation status	Indicator light status	Remark
Load Battery	OFF	Remove battery if tool is not in operation for a long period of time. Removing Battery can avoid unexpected accident.
Lift up the operation lever	Green light on (when sealing is started)	
Turn the sealing lever to start sealing	Green light flashing (cooling) ↓ Green light on (operation done)	A Beeping noise comes upon the finish of cooling.
Tool is not in operation over 10 minutes	OFF	A power saving mode
Battery needs to be re-charged	Red light flashing ●●●●●●●●(continued)	Continuous beeping noise
Device Error	Stop every 2 flashes ●● __ ●● __ ●● (continued) 1.3 sec 1.3 sec.	No beeping noise Motor is jammed. Please contact your Zapak dealer for inspection.
	Stop every 3 flashes ●●● __ ●●● __ (continued) 1.3 sec. 1.3 sec.	No beeping noise Motor temperature is too high Please wait until motor's cooled down
	Stop every 4 flashes ●●●● __ ●●●● (continued) 1.3 sec.	No beeping noise Other motor malfunction Please contact your Zapak dealer for inspection.

4.3 Charging battery

Refer to FIGURE 3 to insert the battery into charger (Please refer and follow the safety instruction and operation of the battery and charger user manual.)

I. Usage Notice:



- * Each BOSCH Li-Ion battery (No. 9380) is equipped with Charge Level Indicator. Press button to check the status of charge level condition (capacity), as shown on Figure 3 (*For safety reasons, it is only possible to check the charge condition when the tool is at a standstill.)
- * When you receive BOSCH Li-Ion battery, its capacity may not be sufficient. Please check capacity status and charge fully before use when necessary.
- * When three LEDs light up, the capacity is sufficient, no need to charge.
- * When only one LED lights up or flashing green, or the Tool's "Operation Indicator" in flashing red, proceed charging with BOSCH charger (No. 2382-XX).
- * Adaptor is NOT required for charging BOSCH Li-Ion battery (No. 9380)
- * Remove battery from charger upon charging process is completed. Otherwise, it may shorten battery's service life due to over-charging.

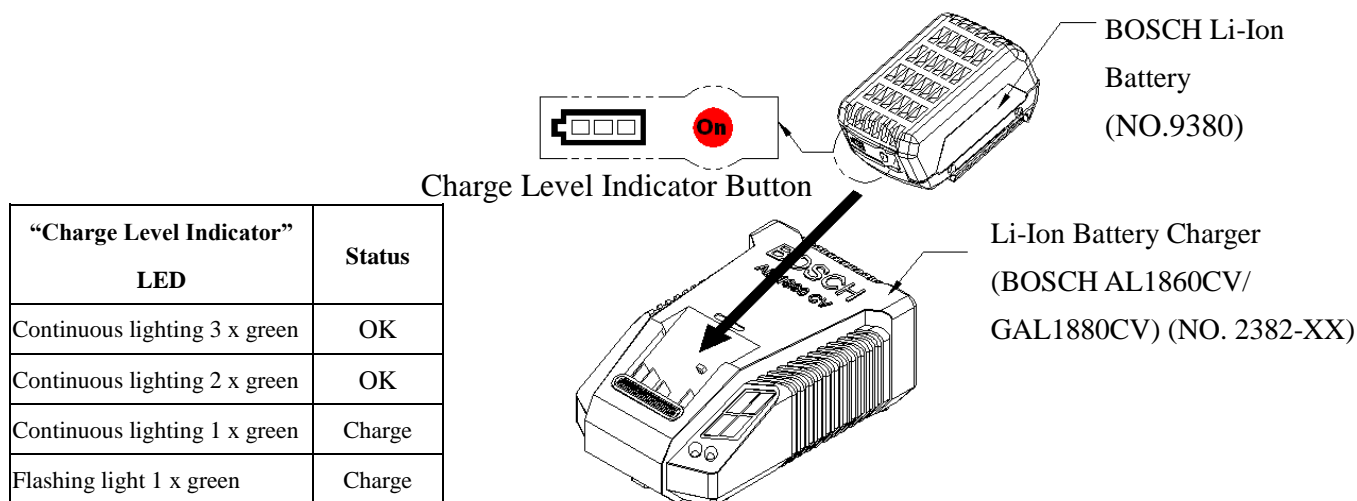


FIGURE 3. Illustration of Inserting Battery onto Charger

II. Storage Notice:



- * For storage within 6 months under normal temperature and environment, BOSCH battery does not require a full charge before storage. However, when the Charge Level Indicator shows low capacity with only one LED light, a 5~10 min. charge is needed to raise the capacity up to 2 green lights.
- * For long time storage or un-use over one year or above, Check capacity level every 6 months. When only one LED lights up, please charge 5~10 minutes until two LEDs light up.

III. Others:



- * In order to achieve the best charging capacity, please wait until the battery has cooled down before recharging.
- * Charging time may vary based on the voltage variation of each individual area/country.
- * Abnormal temperature of battery and charger will reduce the charging efficiency significantly.
- * **Always remove battery from tool when tool is not in use.**
- * **Always remove a low-power battery from tool for a recharge process SOON AFTER the “Battery Power LED” blinks in red and continuous “beep... beep” alarm appears. DO NOT wait and leave such battery unattended and un-recharged. Fail to recharge timely will cause quick battery failures due to power being overly output and discharged.**
- * Charging the battery: When charging speed becomes abnormally slow due battery temperature is raised abnormally or charger shows abnormal signal, Please remove the battery from charger for cooling. Either battery or charger is defective if the battery still can not be charged. Use another battery to check which is defective.
- * Bosch charger is installed with protection device to avoid overcharge hazard. Such device will cut off charging process automatically when the battery has been charged fully or reached its maximum voltage level. Even so, for safety reason, please remove battery from charger upon charging process is completed.
- * **Remove battery and discontinue charging process if any abnormal situation occurs.**
- * **It is required to install a surge protector to protect the charger and minimize the risks and damages caused by surge (a strong and sudden electricity shock).**

4.4 Battery installation and removal

Slide the fully charged battery from top to bottom onto the tool as (FIGURE 4) shown. The light should be in “off” status. Always check and make sure release button pops up after the battery is installed.

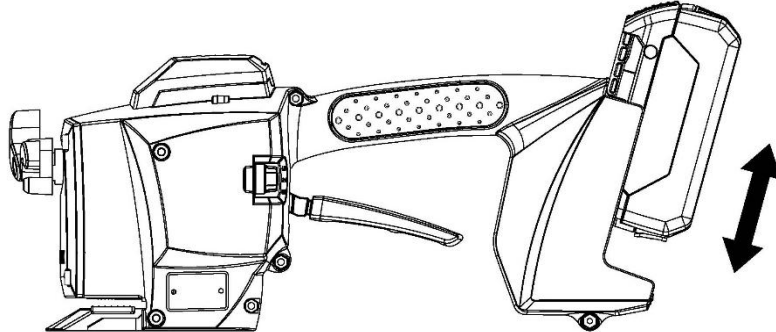


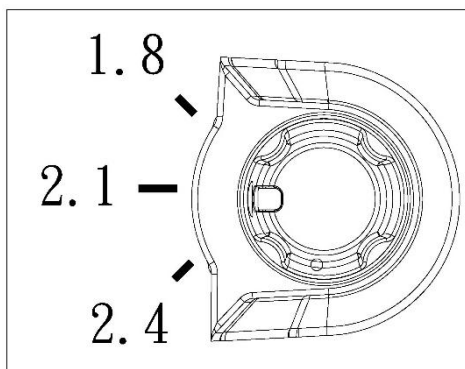
FIGURE 4. Illustration of Inserting and Removal of Battery

*** When the operation indicator shows “Red flashing”, it means the battery power is too low to work and needs to be re-charged.** Then the tool is NOT supposed to be operated under such condition. You will simultaneously hear “Beep..beep..beep” alarm. Please press “Battery Release Button “ on top of battery and pull battery upward to remove it from the tool. The “ beep..beep” alarm will continue until the battery is removed. (FIGURE 4)

4.5 Sealing time adjustment

Sealing time is adjustable from 0.6 ~4.8 seconds. Please set a proper sealing time in accordance with the strap’s quality and specifications. Sealing time setting as below shown.

Sealing time adjustment knob has 14 increments, each increment equals to approximately 0.3 seconds.



〈 REFERENCE 〉

PET 25mm x 1.27mm requests approx. 2.1 seconds
PET 25mm x 1.05mm requests approx. 1.5 seconds
PET 19mm x 1.27mm requests approx. 1.8 seconds
PET 19mm x 1.05mm requests approx. 0.9 seconds
PET 16mm x 1.05 mm requests approx. 0.6 seconds
PP 15mm x 0.85mm requests approx. 0.6 seconds

A tip to set proper sealing time.

Suggest to cut off a length of strap and fold it into two sections. Put the overlap section

into sealing slot. Lift the operation lever and turn the sealing lever to seal the straps as (FIGURE 5) shown. By doing this way, it can be quickly adjusted to the best sealing efficiency for your strap.

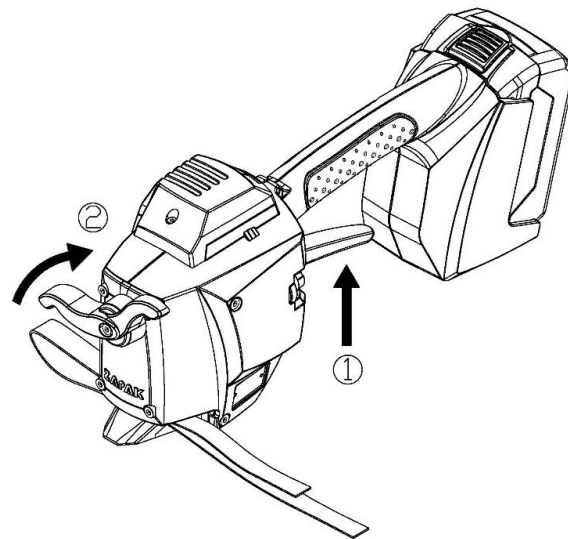
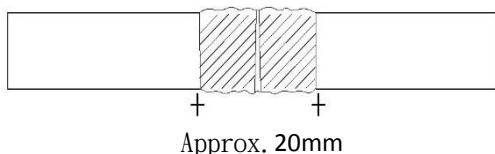


FIGURE 5. Illustration of Pretesting for a Proper Sealing Time



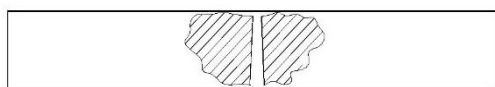
- * If the battery power is low, it would affect and decrease the sealing efficiency. Please turn sealing time adjustment knob clockwise to next increment to extend sealing time to reach normal sealing efficiency.

4.5.1 Best sealing efficiency adjustment



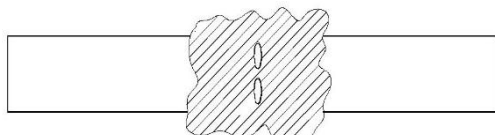
Normal Sealing

Sealing joint is mostly or completely welded over the whole width of the straps.



Sealing time too short

Sealing joint is small and incompletely cover the width of the straps. Please refer to article 4.5.



Sealing time too long

the straps are over melted and sealing joint overflow too much on both sides of the straps. Please refer to article 4.5



1. Adjust sealing time properly and avoid overmelting straps, for the sealing joint may overflow too much and cause difficulty in cleaning the sealing head and removal of tool from straps. Pretesting for a proper sealing time is necessary.
2. In order to further protect goods in transportation, **multiple seals** is suggested for further reinforcement.

4.6 Strap thickness setting

When applying strap thickness 0.65mm and under, please add a bottom sealing gripper plate (part no. 25XX-4T) under bottom sealing gripper. The plate is enclosed in the packing. Please refer to article 7.1 “bottom sealing gripper” and 7.1.2 “Strap thickness under 0.65mm”.

4.7 Strap width adjustment set (part no. 25XX-2J)

The tool is preset for 25mm strap width. When applying strap width 19 mm and under, please add strap guider spacer and strap guider holder. The strap width adjustment set is enclosed in the packing. Remove original screw (M4X 0.7 X 10mm) and lock washer M4. Keep both parts properly in the box for future 25mm application, when necessary. Then install strap guider spacer into left housing hole, and add strap guider holder (left), lock washer M4, and screw on screw (M4X 0.7X 16mm) as shown in figure 6.

Refer to figure 7, remove original screw (M4X 0.7 X 10mm) and lock washer M4. Also keep them in box properly as above. Then install strap guider spacer, strap guider holder (right), lock washer M4 in order into right housing hole, and screw on screw (M4X 0.7X 16mm)

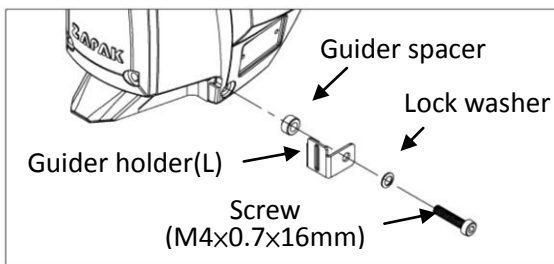


FIGURE 6.

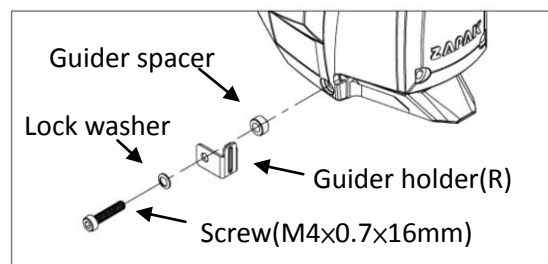


FIGURE 7.



1. The width of strap guider holder (left) and strap guider holder (right) is different.
The wider one is strap guider holder (left).
2. Strap width adjustment set (25XX-2J) includes : strap guider spacer x2 、 lock washers x2 、 screws x2 、 strap guider holder (right) x1 、 strap guider holder (left) x1



In case of any abnormal situation, please remove battery from the tool immediately and send the tool for repair.

5 OPERATION

5.1 Insert strap into sealing slot

Hold the straps and make sure the straps are aligned and inserted all the way in. See Figure 8 & 9.

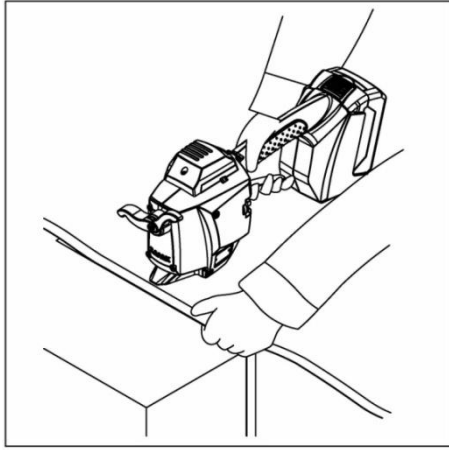


FIGURE 8.

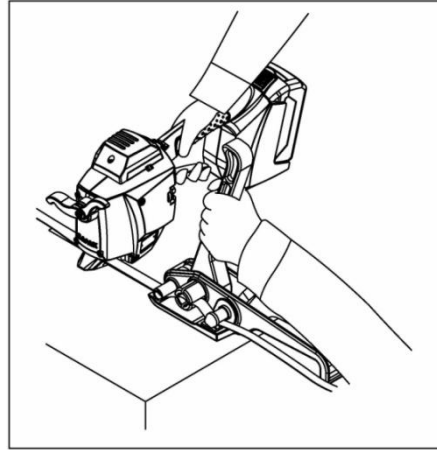


FIGURE 9.

5.2 Sealing

Lift up and **hold** the operation lever gently. Then turn the sealing lever as shown.

DO NOT RELEASE until the sealing is done and the cooling beeping noise stops.

See figure 10.

Do not force to squeeze the operation lever to the upmost. Sealing function will be activated abnormally and cause insufficient sealing joint.

The surface of strap must not be stained by oil or grease. Otherwise, it will cause insufficient sealing efficiency or failure of sealing.

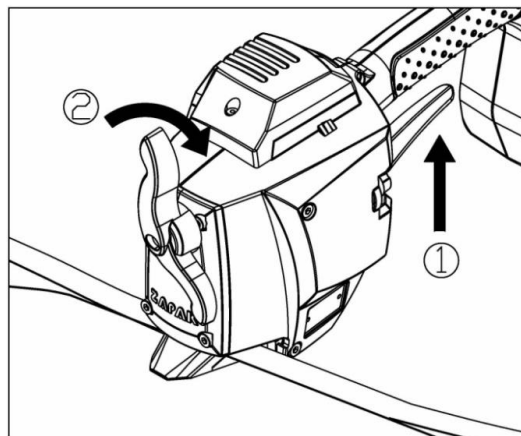


FIGURE 10.

5.3 Remove the tool from straps

Turn back the sealing lever and release the operation lever to remove the tool from straps.

- 1). **DO NOT ACTIVATE THE SEALING LEVER WITHOUT STRAPS.**
- 2). **Keep at least two cm between each sealing joint for multiple sealing joints.**



6. MAINTENANCE AND SERVICE

6.1 General notice

- * **The quality of this tool is protected by manufacturer limited one year warranty with exception of 3 years warranty on brushless motor and ECU.** Please refer to conditions on warranty proof. To protect your warranty rights, please make sure your dealer had completely filled out your warranty proof and signed on it. **The warranty excludes all wearing parts and battery charger.** Please refer to “Wearing parts list” in article 7 “CHANGING WEARING PARTS”.
- * When tool is damaged, please call your dealer for further instruction and send your tool to manufacturer’s authorized dealer for repair service. **Do not attempt to repair it by yourself.** This may invalidate the warranty.
- * Please use enclosed cleaning brush to clean strap slot including strap gripper, sealing head and bottom sealing gripper. Regularly cleaning will assure efficient working and decrease malfunction possibilities. You may also clean the residues on strap slot with air gun.
- * Clean your tool exterior with only slightly damp cloth. Never use any chemical, gasoline, thinner, turpentine, dry cleaning fluids or liquids which may damage the plastic housing or finishing. Never let any liquid get into the tool and never immerse into any liquid.

WARNING



Keep the tool away from magnetic fields, liquid, fumes, and small metal objects including but not limited to metal debris, particles etc. within operating surroundings. Fail to follow this instruction may cause inhalation or ingress of foreign objects into motor and/or electronic control unit (ECU) and causes damages and malfunctions to the tool and invalidate warranty.

6.2 Dust cover:

Keep the filter of the dust cover clean and ventilation at all time. **Replace immediately if the filter is broken** to avoid any possible tool damage. Dust cover can be washed in water and air dried. **DO NOT USE ANY CHEMICAL CLEANER.** See figure11&12 for disassemble & assemble. Take off screw (M3*0.5*10 mm) as figure11 shown, lift the dust cover from

front end until hook A is released from undercut B. Hook up A on B first when reassemble. And screw back screw (M3*0.5*10mm)

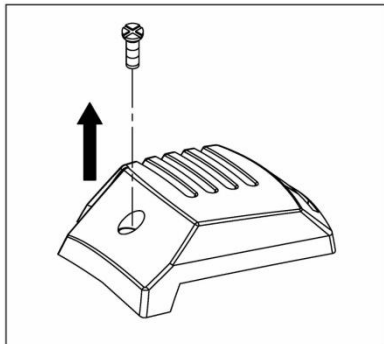


FIGURE 11.

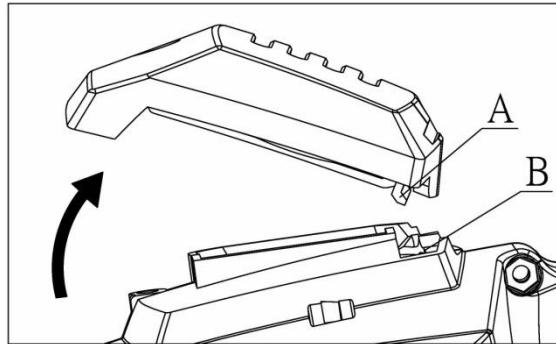


FIGURE 12.

7. CHANGING WEARING PARTS



- * Please remove battery from the tool before maintenance.
- * The warranty excludes all wearing parts and battery charger (2382-XX). Bosch battery and charger are covered by BOSCH warranty program and not covered under ZAPAK warranty policy.
- * The following wearing parts (marked with *) can be changed by user which will not affect your warranty of other parts in the tool.

Wearing parts list

Item No.	Description	Remark
*9380	Li-Ion battery	BOSCH (18V/4.0Ah Li-Ion)
26XX-3P	Sealing head	Must be maintained by manufacturer's authorized dealer
*25XX-4N	Bottom sealing gripper	

7.1 Replacement of bottom sealing gripper (Item no. 25XX-4N)

Take off the 2 pcs screws (M4.* 0.7 *10.3mm) as Figure 13 shown to take out the bottom sealing gripper holder(25XX-4O) and bottom sealing gripper (25XX-4N).

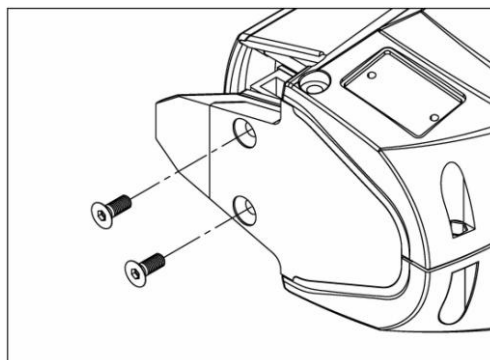


FIGURE 13.

7.1.1. For strap thickness 0.7mm and above

Put new bottom sealing gripper (25XX-4N) into bottom sealing gripper holder (25XX-4O) by matching the screw holes as Figure 14 shown. Then put the holder (25XX-4O) and the gripper (25XX-4N) back into the tool as Figure 15 shown and screw back the 2 screws (M4*0.7*10.3mm).

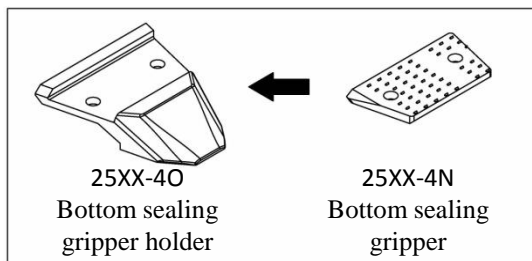


FIGURE 14.

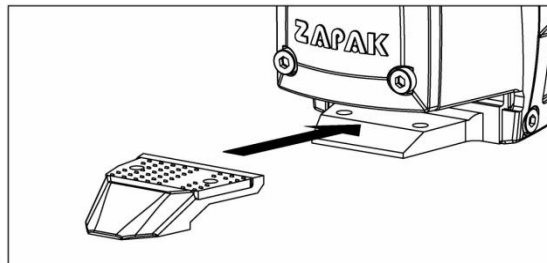


FIGURE 15.



Before replacing with new bottom sealing gripper, **strap residue must be cleaned** to keep the alignment when reassemble.

7.1.2. For strap thickness 0.65mm and under

Add bottom sealing gripper plate (25XX-4T) under bottom sealing gripper (25XX-4N) and place them into bottom sealing gripper holder (25XX-4O) by matching screw holes as Figure 16 shown, then put the holder back into the tool and screw back the 2 screws.

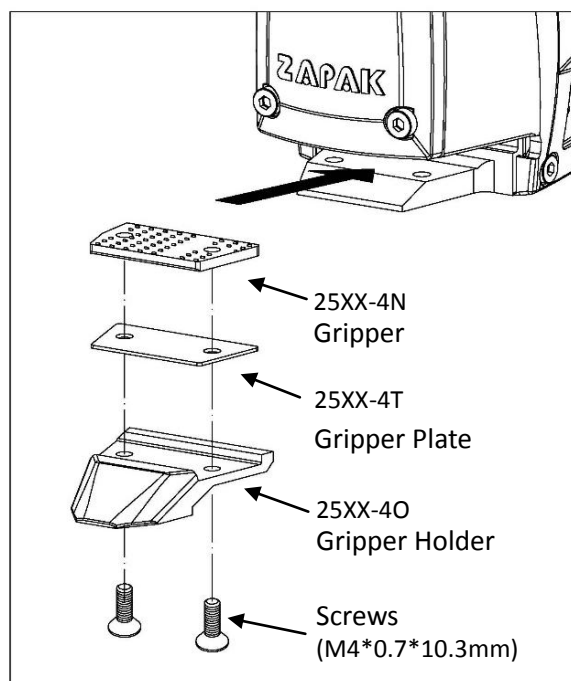


FIGURE 16.

8. OPTIONAL ACCESSORIES

8.1 Li-Ion Battery (Item no. 9380)

Recommend to buy more than one or two batteries as spares to meet more frequent strapping job demand. BOSCH Li-Ion battery (9380) are only suitable for BOSCH Li-Ion Charger (part no. 2382-XX, BOSCH no. AL1860CV/ GAL1880CV) (Please refer to article 3. “ SAFETY INSTRUCTION” regarding environmental, recycle and safety precautions of battery.)

8.2 Battery Charger (BOSCH AL1860CV/GAL1880CV, ZAPAK Item no.2382-XX)

Battery charger 2382-XX is suitable for ZAPAK ZP-SW25 sealing tools. Please refer to article 3. “ SAFETY INSTRUCTION” regarding safety precautions and the user manual of charger.

Item No.	VOLTAGE	Applicable model	PLUG	REGIONS
2382-10	100V	ZP-SW25	2 flat pins	Japan
2382-15	115V	ZP-SW25	2 flat pins	USA, Canada, Mexico N. America, Taiwan
2382-23	230V	ZP-SW25	2 round pins	European countries, China, Middle/S. America
2382-25	240V	ZP-SW25	2 diagonal flat pins	Australia, N.Z.

9. WORKING WITH MANUAL TENSIONER

9.1 Introduction of working with manual tensioner

Working with maximum 25mm PP & PET straps manual tensioners. See figure 17.

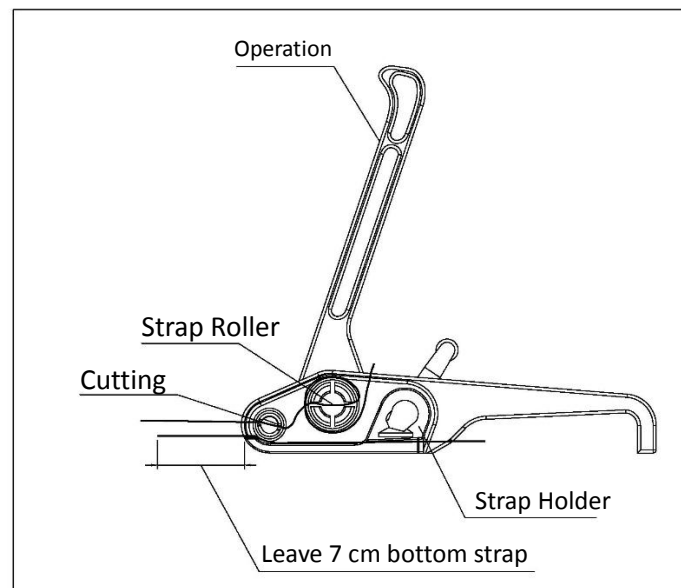


FIGURE 17.

9.2 Operation notice

*Leave at least 7 cm bottom strap out for easy sealing (As Figure 17 shown)

9.3 Operation notice for fiber baling and strapping system application:

9.3.1 Keep at least 2 cm space between each sealing joint for multiple joints sealing.

9.3.2 ZAPAK ZP-SW25 sealer is applicable to seal and connect the two strap rolls of their tail and head together on strapping system. Suggest to adjust the sealing time longer than usual to get a deeper seal. Trim off the overflow on both sides of the sealing joint to ensure the straps go through the track of strapping system smoothly.

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To assure product safety & reliability, service should be performed by your dealer or dealer’s authorized service center. Do not attempt to disassemble & repair the tool by yourself. Violation of this restriction may invalidate this warranty proof.

This warranty proof is granted to the final purchaser only. This warranty proof is not transferable. It is invalid if the serial number is removed or modified or not conformed to the product.

This warranty proof gives you specific legal rights which may vary from state to state and country to country. If you have any questions concerning this warranty proof, please contact our dealers.

Warranty obligations can be fulfilled provided the following details are filled out fully. Otherwise, the purchaser’s invoice or receipt or other equivalent dated proof of purchase should be presented.

All wearing parts listed in the user manual and BOSCH battery / charger are not covered under warranty.

MODEL NO. :

SERIAL NO. :

PURCHASER:

PURCHASE DATE:

INVOICE NO. :

DEALER:

DEALER'S STAMP:

PANTECH INTERNATIONAL INC.
4FL, NO.1, LANE 538, CHUNG CHENG ROAD.,
HSIN-TIEN DISTRICT, NEW TAIPEI CITY, TAIWAN .
Tel: 886-2-2219-7878 Fax: 886-2-2219-7272
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