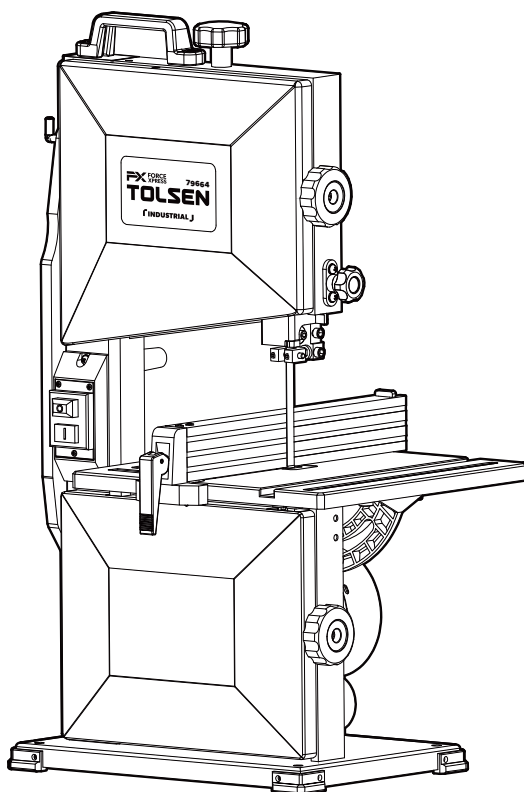


TOLSEN FORCE XPRESS

79664 BAND SAW

INSTRUCTION MANUAL

350W 230V~50Hz



SAVE THIS MANUAL !

You will need this manual for safety instructions, operating procedures and warranty.
Put it and the original sales receipt in a safe dry place for future reference.

IMPORTANT SAFETY INFORMATION

WARNING:

read all safety warnings and instructions. 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.

Work area safety

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical safety

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

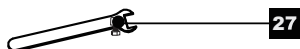
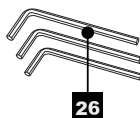
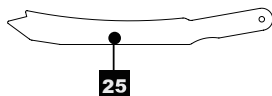
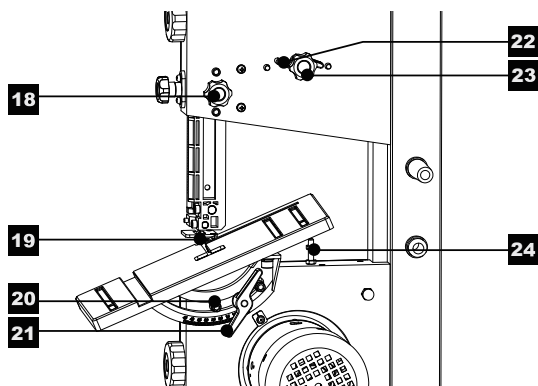
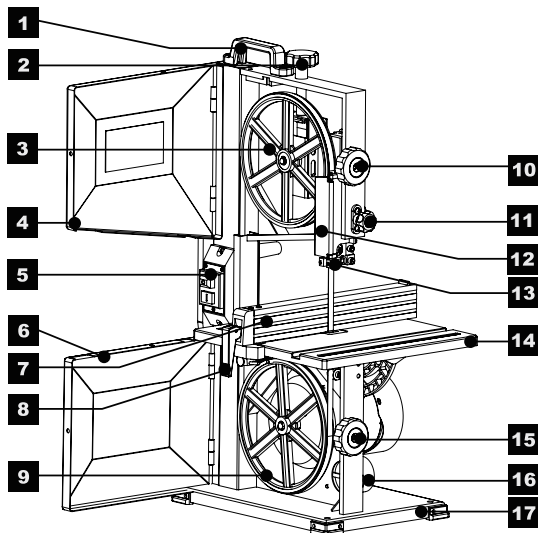
Power tool use and care

- a) 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.
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

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.

PRODUCT DESCRIPTION AND SPECIFICATIONS



1. HANDLE
2. TENSIONING KNOB
3. UPPER BLADE PULLEY
4. UPPER DOOR
5. SWITCH
6. LOWER DOOR
7. RIP FENCE
8. RIP FENCE LOCKING LEVER
9. LOWER BLADE PULLEY
10. UPPER DOOR LOCK
11. ADJUSTING HANDLE KNOB
12. COVER PLATE
13. UPPER SAW BLADE GUIDE
14. TABLE
15. LOWER DOOR LOCK
16. CHIP DISCHARGE PORT
17. BASE
18. LOCKING HANDLE KNOB
19. BLADE
20. ROTATING SLEEVE
21. ANGLE LOCKING KNOB
22. ADJUSTING HANDLE KNOB
23. ANGLE ADJUSTING HANDLE KNOB
24. OUTSIDE HEX. BOLT

ACCESSORIES

25. PUSH STICK
26. HEXAGON BAR WRENCH
(2.5/3/4mm)
27. OPEN END WRENCH

TECHNICAL DATA

Rated Voltage	230V
Frequency	50Hz
Power	350W(S2)
No-load speed	900m/min
Blade Size	1430mmx10mmx6T
Table Size	300x300mm
Table tilting range	45~90°
Max. cutting thickness	90mm
Throat depth	195mm



OPERATING INSTRUCTIONS

Setup and adjustments

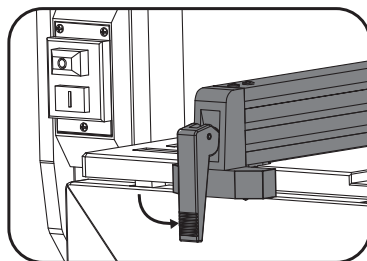
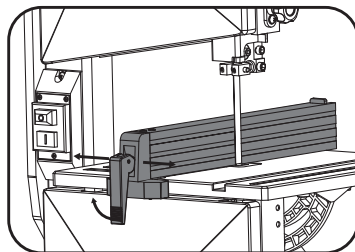
Before commencing any operations, refer to the Setup and Adjustment Manual to make sure that the Band Saw has been Assembled and Setup correctly.



WARNING! TO PREVENT ACCIDENTAL STARTING, ENSURE THE BAND SAW IS DISCONNECTED FROM THE POWER SUPPLY BEFORE MAKING ANY ADJUSTMENTS

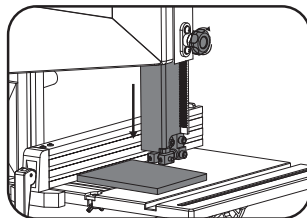
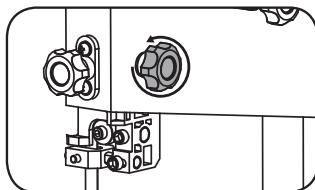
Rip Fence

- 1 Release the rip fence lever by pulling it upwards.
- 2 Move the rip fence along the table, from either the right or left side, and position as required.
- 3 Push the lever down to secure the rip fence. If the clip does not give enough hold, turn it clockwise several times and then press the lever down.
- 4 You must always ensure that the rip fence is positioned parallel to the blade.



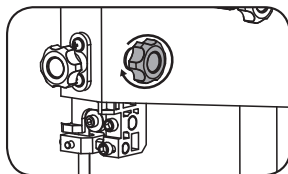
Adjusting the Blade Guard

- 1 Loosen the blade guard locking knob at the back of the unit.
- 2 Rotate the blade guard adjustment to lower the blade guide as close as possible to the work piece to be cut. The gap should be approx. 2-3mm between the material and blade guide.



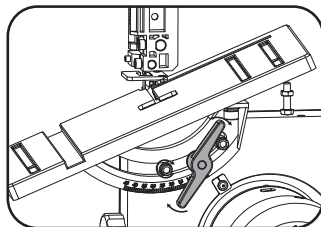
- Secure in position by tightening the blade guard locking knob.

Note: Check the setting before each cut and re-adjust if necessary.



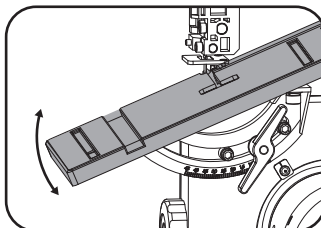
Tilting the Saw Table

- Move the upper blade guide to its maximum height.
- Loosen both the tilt lever and locking knob.
- Adjust the table to the desired angle.



NOTE: Use the protractor on the back, below the saw table to achieve an accurate angle.

- Tighten both the tilt lever and locking knob to secure the table in place.

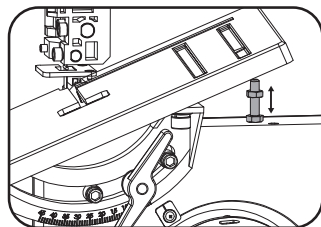


The support nut should be adjusted to achieve a cut angle of 90°.

This allows the table to be reset easily.

To set the table at an angle between -4 and 0, this support nut will need to be loosened by performing the following steps:

- Undo the table support nut beneath the table.
- Adjust the bolt until there is contact with the machine frame at the desired angle.
- Re-tighten the nut to fasten the bolt.



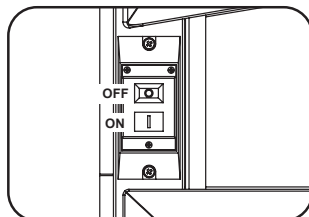
Using the band saw

⚠ CAUTION! TO REDUCE THE RISK OF ELECTRIC SHOCK, WE RECOMMEND THE USE OF A RESIDUAL CURRENT DEVICE .

⚠ CAUTION! AFTER EACH NEW ADJUSTMENT IT IS RECOMMEND A TRIAL CUT IS MADE IN ORDER TO CHECK THE NEW SETTINGS.

On/Off Switch

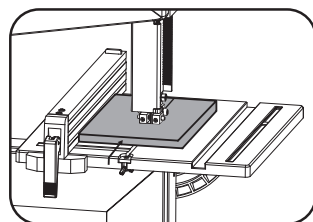
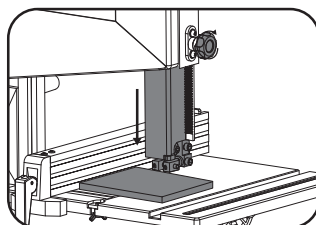
1. To turn the machine on, press the green button .
2. To turn the machine off again, press the red button .



Longitudinal Cuts

Longitudinal (rip) cutting is when you use the saw to cut along the grain of the wood.

1. Place the rip fence to the left of the blade.
2. Lower the blade guard down to the work piece following the instructions in 'Adjusting the Blade Guard' section.
3. Switch on the saw.
4. Press the edge of the work piece to hold it securely against the rip fence and flat on the table.
5. Guide the work piece along the rip fence and through the blade at a uniform speed.

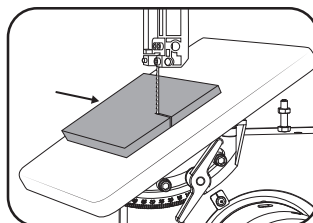


IMPORTANT! LONG WORK PIECES MUST BE SECURED AGAINST FALLING OFF AT THE END OF THE CUT (E.G. WITH A ROLLER STAND ETC.)

Angle Cuts

To enable you to perform angular cuts parallel to the blade, the table can be tilted between 0° - 45°.

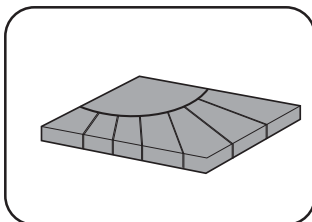
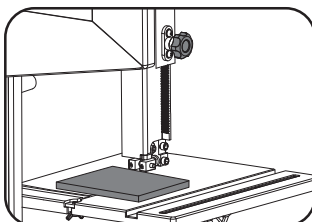
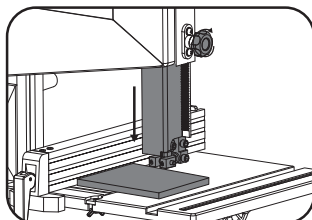
1. Follow steps in the 'Tilting the Saw Table' section to position the table at the desired angle.
2. Carry out the cut as described in Longitudinal cuts.



Free Hand Cuts

One of the most outstanding features of a band saw is the ease with which it allows you to make curved cuts.

1. Lower the blade guide to the work piece.
2. Switch on the saw.
3. Hold the work piece securely on the table and guide slowly through the blade.
4. Freehanded cuts should be made at low speed so that you can guide the blade along the required line.
5. It often pays to first cut off surplus curves and corners up to about 6mm from the cutting line.
6. In the case of curves which are too tight for the blade to cut correctly, it can help to make a series of close-lying cuts at right angles to the curved line. When you saw the radius the material will simply drop off.



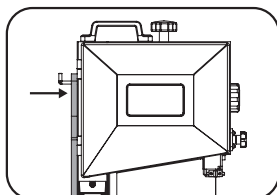
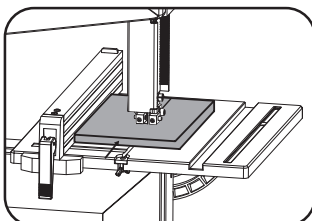
Push Sticks

IMPORTANT! WHEN HANDLING NARROWER WORKPIECES, IT IS ESSENTIAL TO USE A PUSH STICK.

THE PUSH STICK MUST ALWAYS BE KEPT CLOSE AT HAND.

The push stick protects against contact with the saw blade. Use the stick to push the workpiece through the saw blade.

The push stick can be hung on the hook at the side of the unit when not in use.



MAINTENANCE

⚠ WARNING! TO PREVENT ACCIDENTAL STARTING, ENSURE THE BAND SAW IS DISCONNECTED FROM THE POWER SUPPLY BEFORE PERFORMING ANY OF THE FOLLOWING OPERATIONS.

NOTE: OUR COMPANY WILL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURIES CAUSED BY THE REPAIR OF THE TOOL BY AN UNAUTHORISED PERSON OR BY MISHANDLING OF THE TOOL.

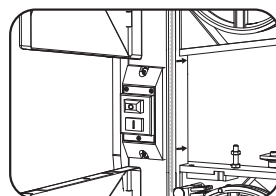
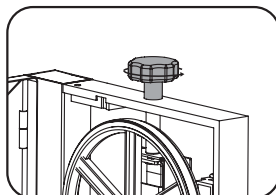
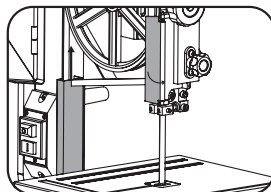
Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as much 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.

Changing the blade

⚠ WARNING! ENSURE THE TOOL IS DISCONNECTED FROM THE POWER SUPPLY BEFORE OPENING THE HOUSING DOOR. FAILURE TO FOLLOW THIS INSTRUCTION MAY LEAD TO INJURY.

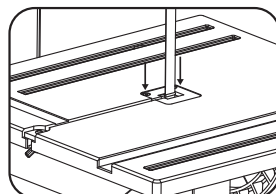
1. Loosen the door locking knobs and open both housing doors.
2. Remove the left blade guard by sliding it up and out. Also open the right blade cover.
3. Loosen the tension knob at the top of the unit by rotating anti-clockwise.
4. Remove the web panel from the front of the saw table.
5. Remove the blade from the pulleys and then slide out.
6. Replace the blade following the section 'Setup and Adjustments'.



Changing the table insert

To prevent increased likelihood of injury the table insert should be changed whenever it is worn or damaged.

1. Tilt the saw table to gain access to the fastening screw.
2. Loosen the fastening screw and remove the table insert.
3. Fit the replacement table insert and secure using the fastening screw.



TROUBLESHOOTING

Problem	Possible Causes
Bandsaw not starting	<ul style="list-style-type: none">• Power cord is not connected• One of the housing doors are not shut completely
Premature and excessive tooth wear	<ul style="list-style-type: none">• Feed pressure too light• Feed pressure too high• Guide hitting teeth alignment
Finished surface too rough	<ul style="list-style-type: none">• Feed rate too high
Premature blade breakage	<ul style="list-style-type: none">• Band tension too high• Excessive feed pressure
Cutting rate too slow	<ul style="list-style-type: none">• Incorrect feed pressure• Damaged or worn blade
Gullets loaded with chips	<ul style="list-style-type: none">• Speed too slow• Chip brush not working properly
Belly shaped cuts	<ul style="list-style-type: none">• Improper blade tension• Guide arm is too far from work piece• Excessive feed force
Band develops twist	<ul style="list-style-type: none">• Binding in cut (adjust blade tension)• Saw guides too close to work piece
Band stalls in work	<ul style="list-style-type: none">• Feed pressure too great• Improper blade tension
Blade vibration	<ul style="list-style-type: none">• Guides poorly adjusted• Blade tension too low• Feed rate too low• Work piece not properly secured

CE DECLARATION OF CONFORMITY

WE
SUZHOU TOLSEN TOOLS CO.,LTD.
198 HUASHAN ROAD, ZHANGJIAGANG,
JIANGSU, CHINA

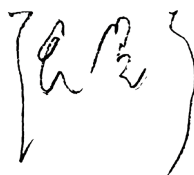
Declare that the product
79664
band saw

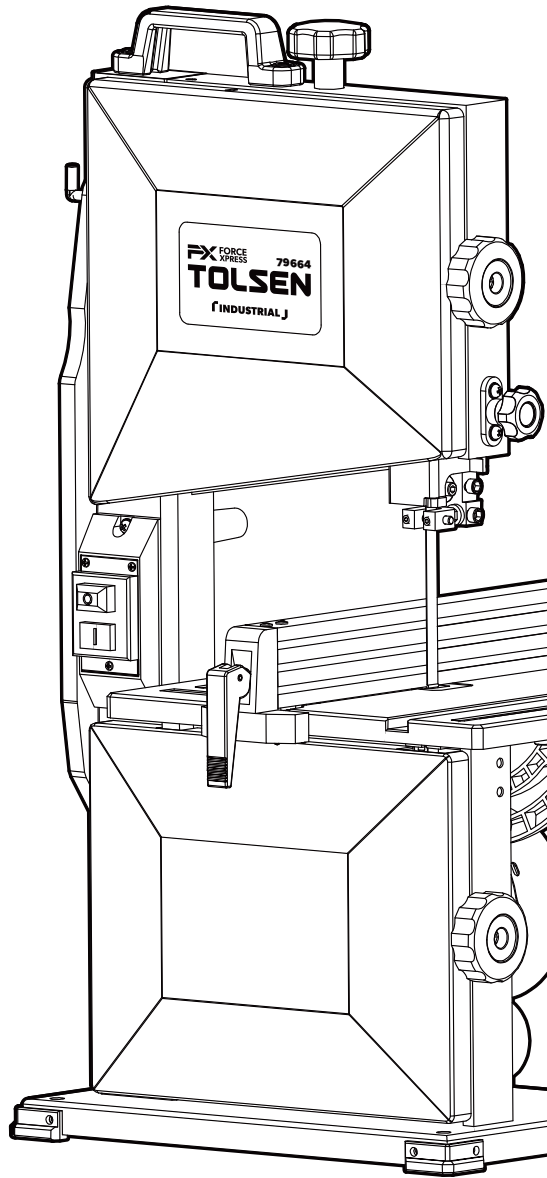
Complies with the essential health and safety requirements
of the following Directives:
EC Council Directive 2006/42/EC
Machinery

Standards and technical specifications referred to:
EN 61029-1:2009
EU directive
EN 55014-1:2017
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

Authorised Signatory and technical file holder
Signed for and on behalf of:
SUZHOU TOLSEN TOOLS CO.,LTD.
198 HUASHAN ROAD, ZHANGJIAGANG,
JIANGSU, CHINA
ZHANG XING YU
Group Quality Director

on:26/05/2020

A handwritten signature in black ink, enclosed within a large, hand-drawn right curly bracket. The signature itself is stylized and appears to be the name 'Zhang Xing Yu'.



**SUZHOU TOLSEN
TOOLS CO.,LTD.**

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TOOLS. All rights reserved.
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PRODUCT LINK