

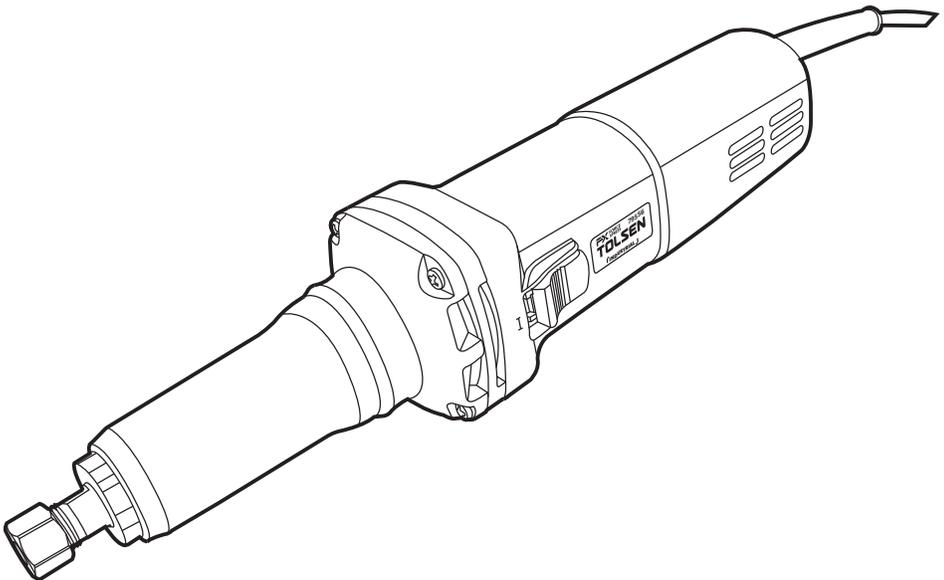
TOLSEN FORCE XPRESS

79556 DIE GRINDER

INSTRUCTION MANUAL

550W

220-230V~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.

Additional safety regulations

- 1. Operator is recommended to wear goggles when operating the tool. Don't touch your face or hand near to the rotating parts.
- 2. The max speed of sanding head used for the grinder should $\geq 35\text{m/s}$
- 3. Don't use water or liquid on the tool.
- 4. When working, the sanding head may produce sparkle. Please put things flammable or explosive far away from the tool.
- 5. If the extended cord need, please only use the same type of cord as on the tool itself.

Note: Symbology

	Class II Double insulated for additional protection
	CE conformity
	Read the instruction manual before using
	Wear hearing protection while operating the tool
	Wear hand protection
	Always use breathing apparatus when machining materials which generate dust.
	Wear ear protection.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	Safety alert

SPECIFICATIONS

Rated Voltage	220~230V
Frequency	50Hz
Rated input power	550W
Collet diameter	6mm / 1/4"
No load speed	n_0 : 7000-34000/min
Max. Grinding Diameter	38mm
Protection class	□ /II



FUNCTIONS



OPERATION REGULATIONS

1. ASSEMBLE AND DISASSEMBLE THE SANDING HEAD

Please put on of spanner on spindle, and use another spanner screw out the collet nut. The direction of clockwise is to fixing the sanding head. The direction of unclockwise is take the sanding head off. (figure 1.)

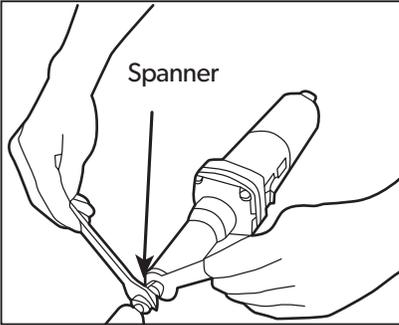


figure 1.

2. SWITCH "ON" AND "OFF" OPERATION

Warning: Before plug the angle grinder into the power socket, please make sure the spindle lock is on "OFF" position. To turn the angle grinder into switch "ON" position, then the tool is for working. To switch the angle grinder into switch "OFF" position, then the tool is off. (Figure 2)

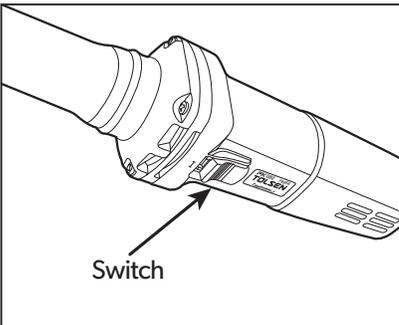


figure 2.

SERVICE AND MAINTENANCE

1. Always disconnect the tool before carrying out inspection or cleaning. Never use water or other liquids to clean the tool. Clean the tool by brushing it with a brush.
2. The air-vent of the tool should be cleaned regularly to avoid the motor too hot due to air-vent blocked.
3. Always check if the components of the tool are fixed well.
4. The housing should be without trace of crack or damage.
5. Always check if the cable is without damage

Replacing the carbon brushes

- a. Replacing the carbon brushes, when the tool couldn't run or too much sparkle.
- b. Carbon brushes which are worn out (burned, broken or shorter than 5mm) have to be replaced by new ones.
- c. Always replace both carbon brushes at the same time and use the brush by original manufacturer..
- d. Because the carbon brush is internal, so please change the brushes by our maintenance service center.
- e. After placing the new carbon brushes, let the tool run for some minutes so that the brushes fit better.

TROUBLESHOOTING

Problem	Possible causes	Likely Solutions
Tool will not start.	<ol style="list-style-type: none"> 1. Cord not connected. 2. No power at outlet. 3. Tool's thermal reset breaker tripped (if equipped). 4. Internal damage or wear. (Carbon brushes or switch, for example.) 	<ol style="list-style-type: none"> 1. Check that cord is plugged in. 2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads. 3. Turn off tool and allow to cool. Press reset button on tool. 4. Have technician service tool.
Tool operates slowly.	<ol style="list-style-type: none"> 1. Excess pressure applied to workpiece. 2. Power being reduced by long or small diameter extension cord. 	<ol style="list-style-type: none"> 1. Decrease pressure, allow tool to do the work. 2. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load.
Performance decreases over time.	Carbon brushes worn or damaged.	Have qualified technician replace brushes.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have technician service tool.
Overheating.	<ol style="list-style-type: none"> 1. Forcing tool to work too fast. 2. Blocked motor housing vents. 3. Motor being strained by long or small diameter extension cord. 	<ol style="list-style-type: none"> 1. Allow tool to work at its own rate. 2. Wear ANSI-approved safety goggles and NIOSH approved dust mask/respirator while blowing dust out of motor using compressed air. 3. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load.
Tool does not grind, sand or brush effectively.	<ol style="list-style-type: none"> 1. Disc accessory may be loose on Spindle. 2. Disc accessory may be damaged, worn or wrong type for the material. 	<ol style="list-style-type: none"> 1. Be sure disc accessory is of correct dimension and Flange Arbor Nut is tight. 2. Check condition and type of disc accessory. Use only proper type of disc accessory in good condition.



Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.

CE DECLARATION OF CONFORMITY

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

Declare that the product
79556
DIE GRINDER

Complies with the essential health and safety requirements of the following Directices:
the EMC directive (2014/30/EU)

Standards and technical specifications referred to:

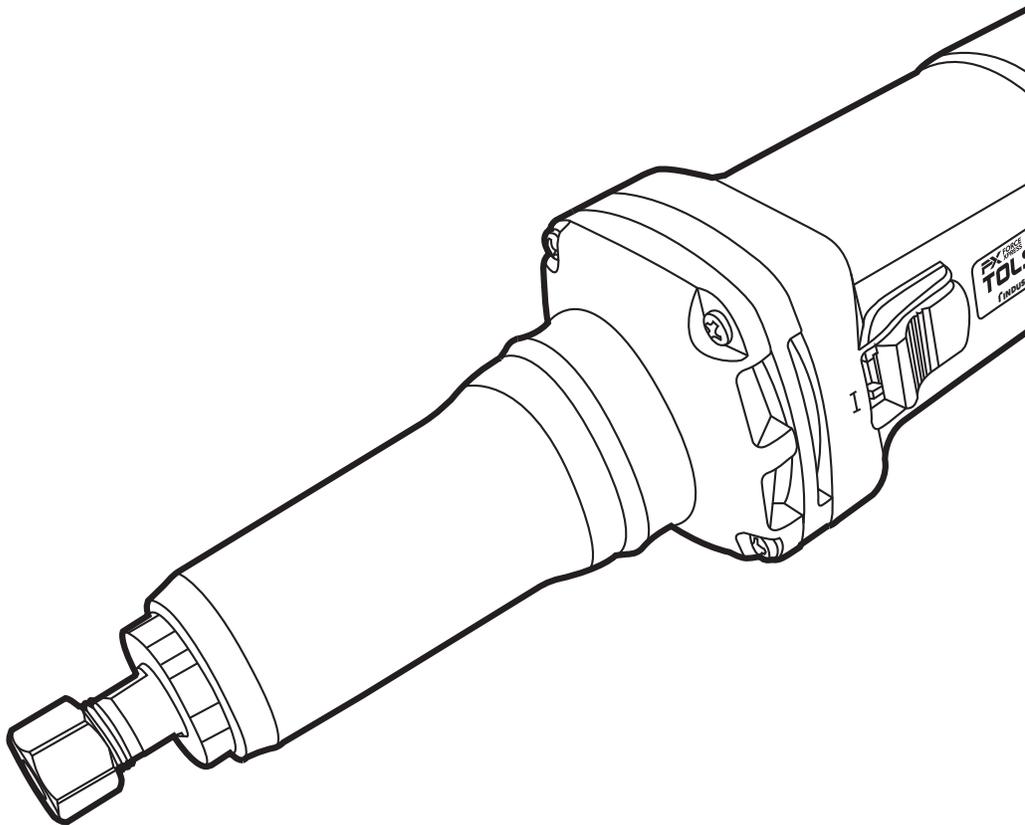
EN IEC 55014-1:2021
EN IEC 55014-2:2021
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A1:2019+A2:2021
EN 62841-1:2015+AC: 15
EN 60745-2-23:2013

Authorised Signatory and technical file holder

Signed for and on behalf of:
SUZHOU TOLSEN TOOLS CO.,LTD.
198 HUASHAN ROAD, ZHANGJIAGANG,
JIANGSU, CHINA

WANG QING
Group Quality Director
on:07/02/2022





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

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PRODUCT LINK