

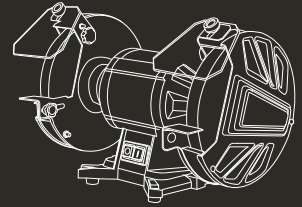


www.tehtools.com

Bench Grinder

TBG12517 TBG15025 TBG20035

To Be Your Exclusive Helper



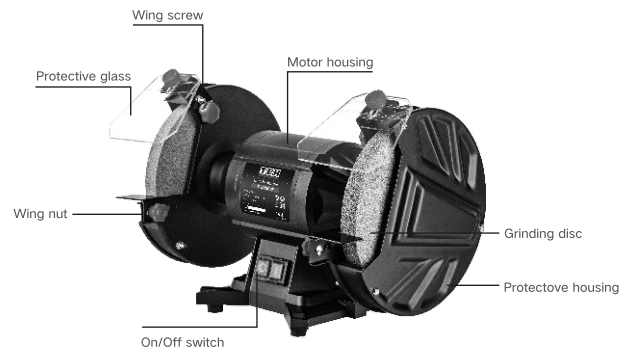
TEH

®

TECHNICAL SPECIFICATION

Model	TBG12517	TBG15025	TBG20035
Rated voltage	220V 50Hz	220V 50Hz	220V 50Hz
Rated input power	170W	250W	350W
Power output	100W	150W	240W
Amperage :	0.7A	1.1A	1.7A
No-load speed	2840 r/min	2840 r/min	2840 r/min
Ø of grinding disc	125 / 125mm 5" / 5"	150 / 150mm 6" / 6"	200 / 200mm 8" / 8"
Bore Ø of grinding disc	12,7 / 32mm 1/2" / 1-17/64"	12,7 / 32mm 1/2" / 1-17/64"	12,7 / 32mm 1/2" / 1-17/64"
Thickness of grinding disc	16/16mm 5/8" / 5/8"	16/16mm 5/8" / 5/8"	20/20mm 25/32" / 25/32"
Spindle thread	M12 1/2"-9	M12 1/2"-9	M12 1/2"-9
Weight	5kg	7kg	12kg
Safety class	I	I	I
Sound pressure	75,8 dB(A)	75,8 dB(A)	75,8 dB(A)
Acoustic power	86,8 dB(A)	86,8 dB(A)	86,8 dB(A)
Weighted vibration	35m/s ²	35m/s ²	35m/s ²

COMPONENTS AND ACCESSORIES



Accessories included : 1 instruction manual

SAFETY INSTRUCTIONS

WARNING ⚠

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or other serious injury. The term "power tools" in all of the warnings listed below refers to mains-operated (corded) power tool or battery operated (cordless) power tool.

WORK AREA

- a) Keep work area clean and well lit. Cluttered and 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 tools. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increases 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.

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 safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce the risk of personal injuries.
- c) Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in the 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 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 these devices 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 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 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, breakage or parts and any other condition that may affect the power tools operations. 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.

SERVICE

a) Tool service must be performed only by qualified personnel. Service or maintenance performed by unqualified personnel could result in risk of injury.

b) When servicing a tool, use only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SAFETY GUIDELINES DURING TOOL POWER OPERATION BEFORE COMMENCING OPERATION

- It is obligatory to switch on a power tool to the socket that is properly grounded by grounding contact.

- Use grinding discs safe rotation ratio of which is bigger than rotation ratio of spindle of power tool. Follow manufacturers' recommendations regarding use of tools and accessories.

- Do not use grinding discs that have cracks, cleavages, distortions, as well as grinding discs causing increased vibration of power tool.

- Protect grinding discs from shock, prevent them from greasing.

- Do not use grinding discs dimensions of which (outer diameter and bore diameter) differ from the recommended ones.

- Never work with protection devices dismounted. Damaged protection devices must be replaced immediately.

DURING OPERATION

- Apply the workpiece to the grinding disc only when the disc reaches its maximum rotation speed.

- Do not use the side surface of grinding disc for grinding.

- Do not stop the motor of power tool when it is energized.

- Beware of recoil (sudden push back) of the workpiece while operating the power tool. Recoil can be caused by non-compliance with operation recommendations, too abrupt apply of the workpiece to the grinding disc, etc. In order to minimize the risk of recoil always follow the recommendations during operation of the power tool.






- During operation of the power tool stay straight and hold the workpiece with both hands on the supporting plate.
- Keep your hands safely distant from the rotating grinding discs and never touch them, otherwise it may result in severe injuries.
- When processing small blanks, use clamping devices.
- 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.
- Dust generated during operation may be a hazard to your health, inflammable or explosive; clean your working place in time and use means of individual protection.
- Operation may produce sparks and small metal particles, which can cause injury to the operator or to the bystanders. Always wear means of individual protection (goggles and protective mask), as well as arrange your working place in a proper way.
- Do not work materials containing asbestos. Asbestos is considered carcinogenic.
- If the power supply suddenly cuts during operation, immediately move on / off switch into off in order to prevent accidental starting of the power tool.
- Avoid overheating your power tool, when using it for a long time.

AFTER FINISHING OPERATION

- After turning of the power tool off, the grinding disc continues to rotate for some time due to inertia. This is why the power tool should be put aside only after its rotating parts come to a full stop.
- It is strongly prohibited to slow down the rotation of slowing grinding discs by applying force to the side surface of discs.

IMPORTANT NOTE

SYMBOLS

-  Read the manual
-  Warning
-  Wearing protection
-  Double insulation
-  WEEE marking

OPERATION INSTRUCTIONS

APPLICATION

Double grinders are designed for different grinding and sharpening works (removal of sharp edges, beveling , sharpening of cutting tools, etc.).

WARNING ⚠

Before carrying out any works on the power tool it must be disconnected from the mains. Do not draw up the fastening elements too tight to avoid damaging the thread.

ASSEMBLY AND ADJUSTMENT OF SUPPORTING PLATE

- 1) Mount the supporting plate using the bolt and wing nut.
- 2) During dismantling of supporting plate, repeat the operations described above in reverse order.
- 3) Adjust timely the distance between supporting plate and grinding disc, for this purpose loosen wing nut and move supporting plate in the direction of grinding disc. The distance between supporting plate and grinding disc should not exceed 2 mm.

WARNING ⚠

If the wear of grinding disc is so heavy that it does not allow adjusting the distances between grinding disc and supporting plate. It is necessary to replace the grinding disc.

ASSEMBLY AND ADJUSTMENT OF PROTECTIVE GLASS

- 1) Mount the holder using the wing screw.
- 2) Place protective glass on holder and fix it with the fixing screw.
- 3) During dismantling of holder or protective glass, repeat the operations described above in reverse order.

INSTALLATION AND CHANGE OF GRINDING DISC

- 1) Remove cover and protective housing.
- 2) Holding grinding disc with one hand unscrew nut.
- 3) Dismantle from spindle: flange, gasket, grinding disc, gasket, flange.
- 4) Clean all the parts by the soft brush and mount on spindle: flange, gasket, grinding disc, gasket, and flange.
- 5) Holding grinding disc with one hand, screw nut.
- 6) Install protective housing and cover.
- 7) Fix the position of cover with the help of fastener.

RECOMMENDATIONS ON THE POWER TOOL OPERATION

Select the type and grain structure of grinding disc depending on the machined material and the roughness of the surface that you are expecting to achieve.

- 1) Put the power tool on the work table, it is desirable to fix it with the use of bolts or clamps.
- 2) Start the power tool, wait until grinding disc has reached its maximum rotation speed and smoothly move the workpiece placed on supporting plate to grinding disc.
- 3) Do not apply excessive pressure to the workpiece, as it will not bring better results but it will overload the engine and wear, the workpiece will be heated and grinding disc will be worn out more quickly.
- 4) Move the workpiece to the left/the right a little bit. It will ensure even wear of grinding disc.
- 5) It is recommended to place the workpiece in the water from time to time in order to avoid its overheating during treatment.

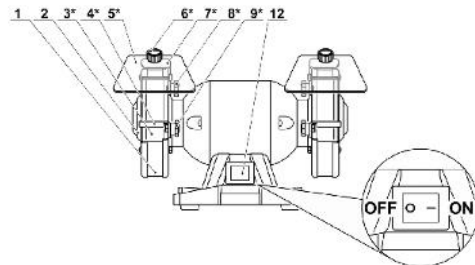
MAINTENANCE

CLEANING OF THE POWER TOOL

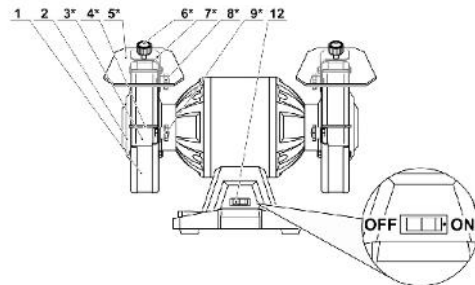
An indispensable condition for a safe long-term exploitation of the power tool is to keep it clean.

AFTER-SALES SERVICE

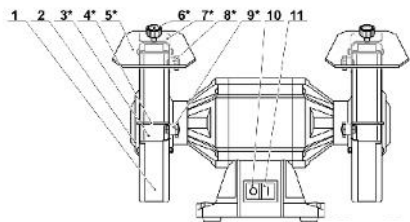
Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts.



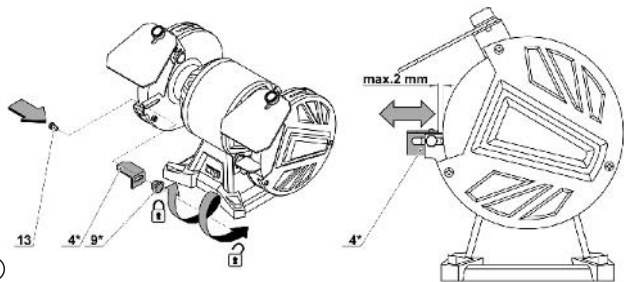
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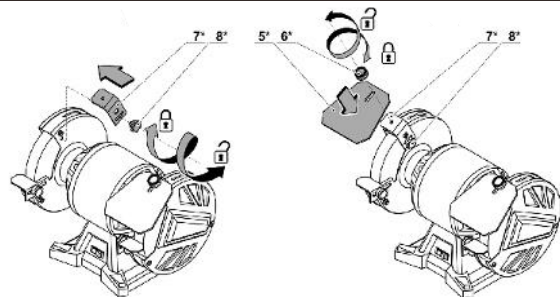


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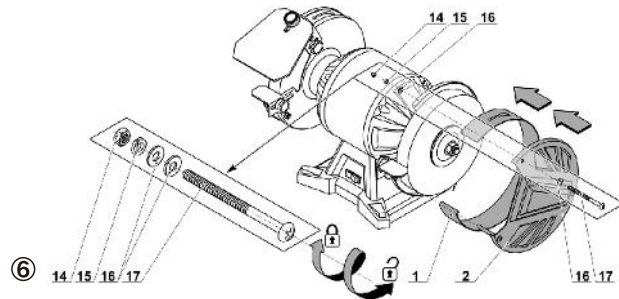


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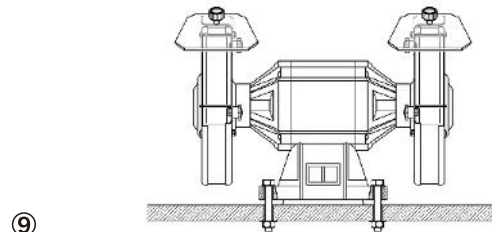
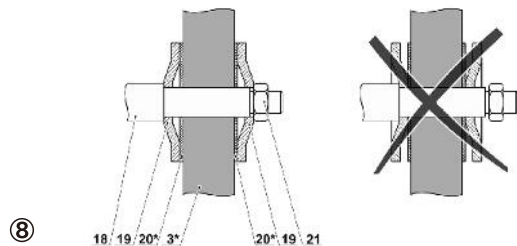
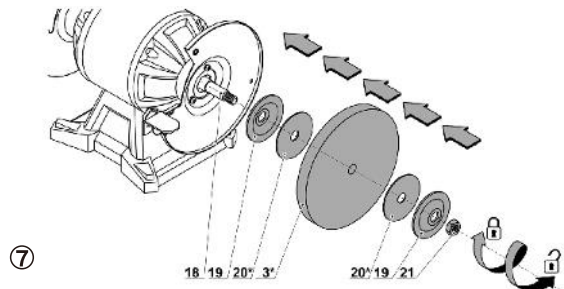


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1	Protective housing	12	On / off switch
2	Cover of protective housing*	13	Fixing bolt of supporting plate
3	Grinding disc*	14	Nut
4	Supporting plate*	15	Spring washer
5	Protective glass*	16	Washer
6	Fixing screw of protective glass*	17	Screw
7	Protective glass holder *	18	Spindle
8	Wing screw*	19	Flange
9	Wing nut*	20	Gasket *
10	Switch "OFF"	21	Fastening nut of grinding disc
11	Switch "ON"		

WARRANTY CARD

Dear customers, the warranty service for purchasing TEH products is as follows:

Under normal use, the wear of the rotor steering gear is less than 0.2 mm within three months from the date of purchase. It is guaranteed that the damage is caused by the quality of the tool.

The following conditions occur during the warranty period, not covered by the warranty:

- a. Any valid legal document (single ticket) certifying the date of purchase
- b. Any damage caused by natural wear and overload
- c. Any damage caused by the use of low-priced inferior accessories
- d. Any damage caused by improper carrying, transportation or storage
- e. Any product that has been opened, repaired, replaced, or modified by itself
- f. Any damage caused by misuse, beyond the scope of use of the tool, and failure to use and maintain in accordance with the instructions.

ladies/gentlemen : _____ employer : _____

contact number : _____ fax number : _____

contact address : _____

warranty record : _____

post code : _____

IMPORTANT NOTE

1. The invoice and warranty card must be presented at the time of warranty.
2. The fuselage number on the invoice is the same as the fuselage number on the warranty card.
3. Once this warranty card is issued, if it is lost, it will not be reissued. Please keep it properly.

Note: The company reserves the right to amend the above provisions and has the final interpretation right in the case that the warranty service does not violate national laws.