

GARRICK

200mm (8") UTILITY BENCH GRINDER **MODEL BG8-UT**

Suitable for light commercial & DIY use

Instruction Manual



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This instruction manual should be read before assembling or using your bench grinder. All instructions should be strictly adhered to so the safety of yourself and others is protected. Keep this manual handy for future reference.

- 1) The grinder and all accessories are designed and manufactured to be used only by persons trained in their proper use and only for their intended purpose. They are not intended for lengthy continuous usage. i.e. Turn ON, Sharpen Tool, Turn OFF
- 2) Follow assembly instructions closely and do not plug machine into mains power until all guards are firmly attached in the correct position (and remain so) and all parts are securely fitted.
- 3) Make sure the grinder is securely clamped or bolted to your workbench or pedestal stand and that the workbench or stand is securely attached to the floor.
- 4) Make sure the switch is in the *off* position before connecting to mains power. Any adjustments or maintenance should be made with the grinder unplugged from its power source. Ensure any keys or wrenches are removed.
- 5) Ensure the machine is electrically grounded. The plug must match the outlet and must never be modified in any way. Long extension leads should not be used due to voltage drop.
- 6) Ensure the work area is clean and well lit. Do not use in wet or damp conditions. Keep children and bystanders away.
- 7) Eye protection should always be used. Normal optical spectacles are not sufficient. Neck ties should be removed and sleeves rolled up. Long hair and loose clothing should be secured. Do not wear gloves. Non slip footwear or anti-slip footwear is recommended. Hearing protection should be used for prolonged use.
- 8) Never use the grinder if impaired by tiredness, alcohol, drugs or medication.
- 9) The action of grinding will produce dust and/or particles from both the material being ground and the grinding wheel or belt. Depending on the product being ground, these particles & dust may be harmful to your health. Ensure the area is well ventilated and that suitable dust mask or breathing apparatus is used.
- 10) Never leave a running grinder unattended. Do not leave the work area until it has come to a complete stop.
- 11) Your grinder should only ever be serviced by a qualified repair person. To ensure safety integrity, we recommend using only genuine **GARRICK** replacement parts or accessories.
- 12) Familiarise yourself with the section about correct use of grinding wheels

The correct use & care of grinding wheels

Always use the correct type of grinding wheel according to the model of grinder and your intended use. Do not use grinding wheels as a cutting disc.

During normal use, grinding wheels will wear by becoming chipped, worn at the edges, grooved, out of balance and clogged by foreign material. This can be rectified by use of the wheel dresser fitted on the top of the grinder. Rest the cast face of the dresser on the tool rest and bring the wheels into contact with the wheel (whilst running). Move the dresser backwards & forwards (left and right) across the wheel until a fresh, flat, square face is exposed on the wheel.

Sometimes a wheel may be cracked. **Never under any circumstances use a cracked wheel for grinding as it could 'explode' causing serious injury to the operator.** Wheels can be tested for cracks with the "Ring Test". This involves hanging a wheel (removed from the grinder) by a piece of string passed through its centre hole. The wheel can then be tapped with a piece of scrap wood or similar and if OK the wheel will "ring". If there is a defect it will sound as a "thud". The defect may not be able to be detected by visual inspection. It is important that a wheel failing the ring test be permanently discarded.

The **GARRICK** grinders are supplied with general purpose grinding wheels. For specialised grinding applications, such as carbide grinding, please consult your local specialist abrasive distributor.

Always grind by using the outer diameter edge of the grinding wheel. Never grind on the side of the grinding wheel. This can cause the wheel to shatter.

Do not use excessive force on the grinding wheel. If it is not removing material fast enough, it is either clogged (requiring cleaning with the wheel dresser as above) or is not coarse enough. Choose the correct grit (coarseness) for the job.

Always adjust the tool rest as close as possible to the wheel (maximum 3mm gap) and do not attempt to grind objects that are too small to hold securely. Do not use the workpiece to slow down the wheel after turning the grinder off.

MODEL SPECIFICATIONS

Model BG8-UT Bench Grinder		
Wheel Size (DxWxBore)	8"x ³ / ₄ "x ⁵ / ₈ " (200x19x16mm)	
Standard Wheel Grit	36 & 60	
Thread (Nut)	M16 x 2.0	
Motor	375W (0.5HP) Single Phase	
Voltage & Motor Speed	Aust / NZ	USA
	240v 50Hz 2,880rpm	120v 60Hz 3,450rpm

Unpacking & checking of contents

Ensure carton is upright, carefully cut tape & open top flaps of carton.

Some parts are located in recesses in the polystyrene packing showing. Remove these and set aside for assembly on the grinder.

The whole carton should then be carefully turned upside down (with flaps open & out of the way) and then the carton can be lifted off the grinder in its polystyrene packaging.

Turn the package back up the correct way, carefully cut the packing tape along the join in the polystyrene packaging, and remove the top half of the polystyrene from the grinder.

Open the plastic bag and remove & set aside the eyeshield packs.

The grinder can then be lifted out of the plastic bag & the polystyrene packing and placed ready for assembly of loose components.

2 Year Warranty

LINISHALL Grinders are manufactured to our high quality standard. As such they are warranted against defect in material and workmanship for a period of 2 years from date of purchase. (This warranty does not apply to consumable items such as grinding wheels, wheel dressers, abrasive belts & discs or rubber contact wheels) We do not cover defects caused by misuse, abuse, product modification, lack of maintenance or repair by an unauthorised agent.

The warranty covers repair or replacement (at our sole discretion) of parts and labour, but does not include freight to or from our designated repair centres or the place of original purchase. This warranty covers only the initial purchaser of the grinder.

Warranty claims must be accompanied by documented proof of original purchase and an explanation of the problem causing the claim to be made.

Normal **service and genuine replacement parts & accessories** can be obtained via your original place of purchase or by contacting one of our offices for details of your nearest authorised service agent.