



# Instruction Manual

## Bench Grinding Series

Models: BG150, BG8, BG250,  
BG8/915, BGW200 & BGW200/915



Model BG8

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**Please retain for future reference.**

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## WARNING!

***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 Linishall™ 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 a wheel dresser. 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 Linishall™ 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.



**THE NAME FOR GRINDING**

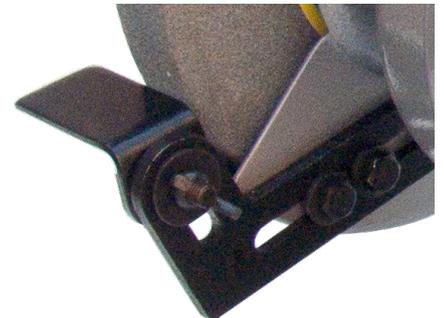
<b>Model Specifications</b>	
<b>Model</b>	<b>BG150</b>
Rpm No Load Speed	2880
Wheel Size (D x W x Bore)	6" x 3/4" x 1/2" - (150 x 19 x 12.7mm)
Thread (Nut)	M12 x 1.75
Wheel Grits	36 Coarse / 60 Fine
Motor	375W (0.6HP) - Single Phase
Voltage	240v 50Hz
<b>Model</b>	
<b>BG8</b>	
Rpm No Load Speed	2880
Wheel Size (D x W x Bore)	8" x 1" x 5/8" - (200 x 25 x 16mm)
Thread (Nut)	M16 x 2.0
Wheel Grits	36 Coarse / 60 Fine
Motor	750W (1.0HP) - Single Phase
Voltage	240v 50Hz
Lamp (Automotive Type)	12v 6 watt
<b>Model</b>	
<b>BG250</b>	
Rpm No Load Speed	2880
Wheel Size (D x W x Bore)	10" x 1 1/4" x 1 1/4" - 200 x 32 x 32mm)
Thread (Nut)	M20 x 2.5
Wheel Grits	36 Coarse / 60 Fine
Motor	900W (1.2HP) - Single Phase
Voltage	240v 50Hz
Lamp (Automotive Type)	12v 6 watt
<b>Model</b>	
<b>BG8/915</b>	
Bench Grinder Specifications	as per BG8
Grinding Belt Size	36" x 2" (915 x 50mm)
Grinding Disc Diameter	7" (178mm)
<b>Model</b>	
<b>BGW200/915</b>	
Bench Grinder Specifications	as per BGW200
Grinding Belt Size	36" x 2" (915 x 50mm)
Grinding Disc Diameter	7" (178mm)
<b>Model</b>	
<b>BGW200</b>	
Rpm No Load Speed	2850
Wheel Size (D x W x Bore)	8" x 1" x 5/8" - (200 x 25 x 16mm)
Thread (Nut)	M16 x 2.0
Wheel Grits	36 Coarse / 60 Fine
Motor	750W (1.0HP) - Single Phase
Voltage	240v 50Hz

## UNPACKING AND CHECKING CONTENTS

Item	BG150	BG8	BG250	BG8-915	BGW200	BGW200/915
LH Toolrest	●	●	●	●	●	●
RH Toolrest	●	●	●		●	
Wheeldresser		●				
Coolant Tray		●				
Eyeshields x 2	●	●	●	1 LH Only	●	1 LH Only

## ASSEMBLY OF THE GRINDER

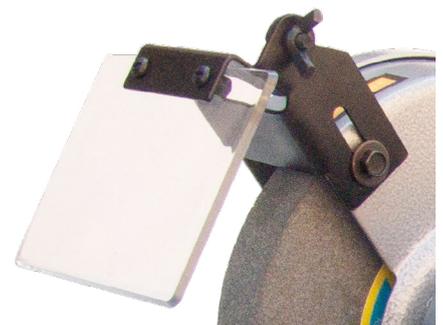
1) Use a spanner to loosen the Left Hand toolrest arm, slide the arm forwards as far as it can go in its slot, and retighten loosely. Position the toolrest against the front of the toolrest arm as shown. Loosen the toolrest arm again and slide the assembly towards the grinding wheel until the gap between the toolrest and the grinding wheel is no more than 3mm. Retighten the screw firmly. Rotate the grinding wheel slowly by hand to ensure it can still run freely.



2) Repeat all steps in operation 1) for the Right Hand Toolrest assembly.

3) Adjust the Spark Guards at the top of each grinding wheel so that the gap between the spark guard & the wheel is no more than 2mm. Rotate the grinding wheel slowly by hand to ensure it can still run freely.

Note: As the wheels wear down, the spark guards must be adjusted to maintain the 2mm gap.



4) The eyeshields should then be fitted to the guards as shown in the picture.



THE NAME FOR GRINDING



**Grinding  
Wheels**



**Wire  
Wheels**



**Sanding Discs  
Hook & Loop  
& Self Adhesive**



**Sanding Discs  
Conversion Disc**



**Abrasive  
(Linishing) Belts**



**Polishing Belts**



**Tapered  
Spindles**



**Polishing  
Mops**

**Buffing Compounds**





## 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)

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.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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

Australia:  
Garrick Herbert Pty Ltd  
460-462 The Boulevard  
Kirrawee, Sydney, NSW  
Ph: 02-9545 6633

New Zealand:  
R.R. Bramley & Co Ltd  
184 Marua Rd  
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