

Superior quality since
1984



Owners Manual

BOTTLE JACK

BORUM

INDUSTRIAL WORKSHOP EQUIPMENT

**INDUSTRIAL
QUALITY**



Product Code	Capacity (kg)	Height (mm) Min / Max	Weight (kg) Net / Gross	Package Dimensions (mm)
BR02-0100	20,000	183 / 305	9 / 9.2	231 x 182 x 294
BR02-0110	20,000	270 / 420	12.4 / 12.6	231 x 182 x 294
BR02-0120	30,000	280 / 445	18.4 / 19	241 x 165 x 315
BR02-0130	50,000	300 / 482	35.3 / 35.8	255 x 245 x 315

About the Borum brand

Our “**heavy duty commercial**” range of **Borum Industrial** equipment has been manufactured to exacting standards for the past **34 years**. We specify industrial quality components and design to ensure a long and durable working life in **commercial transport, mining, earthmoving and railway** environments. Our **Borum Industrial** range of equipment is focused on achieving superior professional standards, reliability, quality, and are covered by a **12 month trade use warranty**.

Made in China to TQB Brands Pty Ltd specifications
Visit us at www.tqbbrands.com.au

WARNING INFORMATION



IMPORTANT: READ ALL INSTRUCTIONS BEFORE USE

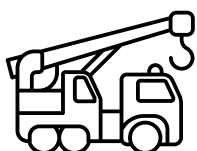


WARNING

- The instructions and warnings contained in this manual should be read and understood before using or operating this equipment.
- Do not allow anyone to use or operate this equipment until they have read this manual and have developed a thorough understanding of how this equipment works.
- Failure to observe any of the instructions contained in the manual could result in severe personal injury to the user or bystanders, or cause damage to the equipment and property.
- Keep this manual in a convenient and safe place for future reference.
- The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur.
- It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
- Whilst every effort has been made to ensure accuracy of information contained in this manual, the Borum policy of continuous improvement determines the right to make modifications without prior warning.

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SAFETY

OPERATIONAL SAFETY INFORMATION

DO NOT use this equipment unless you have been trained and assessed to a competent level in its safe use and operation, and have been given permission to use this



Safety glasses must be worn when operating this equipment.



Long loose hair must be contained when operating this equipment.



Safety footwear must be worn when operating this equipment.



Close fitting/protective clothing must be worn when operating this equipment.



Rings and jewelry must not be worn when operating this equipment.

PRE-OPERATIONAL SAFETY CHECKS



WARNING: Please ensure that the vehicle is securely supported on axle stands prior to commencing any work.

- Securely chock wheels remaining on the ground.
- Ensure jack stands are placed under strong points as specified in the vehicle owner's manual.
- Do not use items to increase the minimum or maximum height of the jack.
- Do not modify or alter the bottle jack or use it for unintended purposes.
- Use only manufacturer-supplied attachments, restraints, or adapters.
- Use Borum identical replacement parts for servicing to maintain warranty.
- Do not move or dolly the vehicle while on the jack.
- Failure to follow these instructions may result in personal injury or property damage.
- Read, understand, and follow all warnings and operating instructions before use.
- Consult vehicle owner's manual to verify correct vehicle weight and lifting points.
- Do not exceed the bottle jack's rated safe working capacity.
- Use only as specified by the manufacturer for lifting and lowering.
- Operate on a hard, level surface capable of sustaining the load.
- Center the load on the jack saddle before lifting.
- Immediately support the lifted vehicle with appropriately rated jack stands.
- Never get under or allow anyone under the vehicle until supported by jack stands.

WARNING

THIS IS A LIFTING DEVICE ONLY!

- This jack is designed **ONLY** for lifting part of the vehicle.
- DO NOT** move or dolly the vehicle whilst on this jack.
- The vehicle **MUST** be supported immediately after lifting.
- NEVER** go under a vehicle that is not supported by stands.

ALWAYS SUPPORT THE VEHICLE WITH APPROPRIATELY RATED JACK STANDS

SAFETY

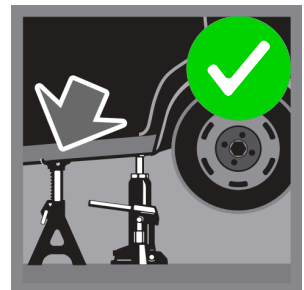
POTENTIAL HAZARDS



- User does not read, understand and follow the instructions and warnings in this manual prior to operating the jack.
- Making unauthorized modifications to this jack.
- Not maintaining or servicing this jack to the manufacturer's recommendations.
- Vehicle load is not immediately supported on appropriate jack stands prior to commencing work on (or under) the vehicle.

INTENDED USE

The Borum Industrial Heavy-Duty Hydraulic Bottle Jack is designed for safe operation in heavy-duty truck, agricultural, construction, mining, mobile home, oil field, automotive, and marine applications, to be used only by trained personnel on stable, level surfaces.



WARNING

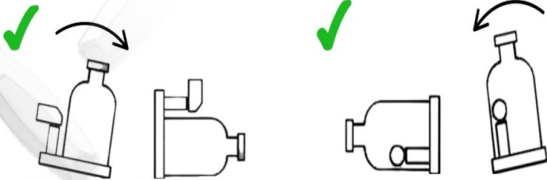


ENSURE WHEELS ARE CHOCKED BEFORE LIFTING. ENSURE JACK IS USED ON A HARD LEVEL SURFACE THAT CAN HOLD THE WEIGHT. ENSURE THE LOAD IS CENTRALLY LOCATED ON THE HEAD CAP. CONSULT THE VEHICLE MANUFACTURER OWNERS MANUAL PRIOR TO LIFTING THE VEHICLE TO ENSURE THE CORRECT LIFT POINT SPECIFIED BY THE VEHICLE MANUFACTURER IS USED. THIS IS A LIFTING AND LOWERING DEVICE ONLY AND IS DESIGNED FOR LIFTING PART OF THE TOTAL VEHICLE. DO NOT MOVE OR DOLLY THE VEHICLE WHILST THE VEHICLE IS ON THE JACK.

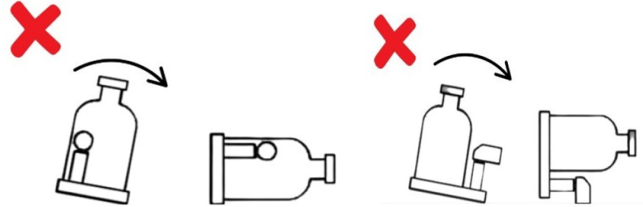
FEATURES

The Borum BR02 series jacks are designed to operate in two positions, vertical and horizontal however correct positioning of the pumps position relative to the ground is required to enable full extension of the ram when used horizontally.

The Borum BR02 series bottle jacks can be used horizontally when the pump is positioned above the ram housing or lying on their side with the pump positioned as per the illustrations below.



The Borum BR02 series bottle jacks if used horizontally with the pumps positioned as per the illustration below will not operate correctly and will induce air into the pump prematurely ceasing oil delivery to the ram assembly.



Should incorrect horizontal operation occur, follow the bleeding procedure found on the TQB Brands Website via the following [link](#).

OPERATION

The owner and/or operator must maintain the unit, decals, and warning labels in good condition and ensure the operator fully understands all warnings and instructions in their native language. The jack must be inspected per the manual before each use. The owner/operator must thoroughly review and retain all warnings, operating instructions, and maintenance guidelines before operation.

BEFORE EACH USE

Before operating your bottle jack, complete the following checklist to ensure safe and effective use.

Inspect Physical Condition: Examine the jack for visible damage, including cracks, dents, or deformation in the base, saddle, handle, and body. Check for hydraulic fluid leaks, loose fasteners, or worn components. Do not use if any damage is detected.

Verify Hydraulic Fluid Level: Confirm the hydraulic fluid level is within the recommended range. Top up with manufacturer-specified fluid if necessary, ensuring no air enters the system.

Check Rated Capacity: Confirm the jack's rated safe working capacity. Ensure the vehicle or load weight does not exceed this capacity.

Ensure Stable Surface: Verify the jack will be used on a hard, level surface capable of supporting the load. Avoid soft, uneven, or slippery surfaces such as dirt, gravel, or wet concrete.

Inspect Moving Parts: Check that the handle, pump mechanism, and release valve operate smoothly without sticking or resistance. Test the jack without a load to confirm proper function.

Confirm Lifting Point: Identify the vehicle's manufacturer-specified lifting points, as outlined in the vehicle owner's manual. Ensure the jack saddle will align with a strong, stable point on the vehicle frame or chassis.

Prepare Jack Stands and Chocks: Ensure appropriately rated jack stands are available and in good condition to support the load immediately after lifting. Confirm wheel chocks are ready to secure wheels remaining on the ground.

Check Saddle: Verify the saddle is clean, undamaged, and securely attached.

Review Operating Instructions: Familiarize yourself with the jack's operating instructions and warnings, as provided in the owner's manual. Ensure all users understand proper lifting and lowering procedures.

Clear Work Area: Remove obstacles, tools, or debris from the work area to ensure safe access and operation. Confirm no one will be under or near the vehicle during lifting.

OPERATION cont.

RAISING / LOWERING VEHICLE

RAISING THE VEHICLE

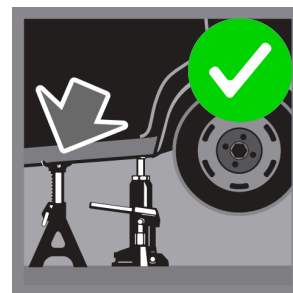
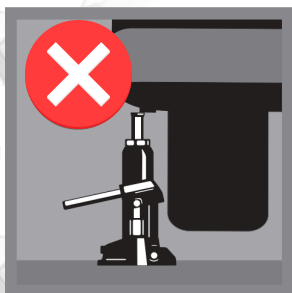
1. Make sure the jack and vehicle are on a hard level surface.
2. Always set the vehicle parking brake and chock the wheels
3. Consult the vehicle owners manual to ascertain the location of jack points and position the jack beneath the prescribed lift point.
4. Turn the release valve clockwise to the closed position. **DO NOT OVER TIGHTEN!**
5. To raise the vehicle to desired height, place the handle into the socket and pump up and down.
6. Place jack stands beneath the vehicle at locations recommended by the vehicle manufacturer. **Do not get under the vehicle that is not supported by jack stands.** Jacks are not designed to maintain heavy loads for long periods of time. Do not attempt to put jack stand simultaneously under both ends of vehicle or under one side of vehicle.
7. Turn release valve SLOWLY counterclockwise to lower load onto jack stands.

LOWERING THE VEHICLE



Prior to and throughout the vehicle lowering procedure, verify that the area beneath the vehicle is clear of any obstructions.

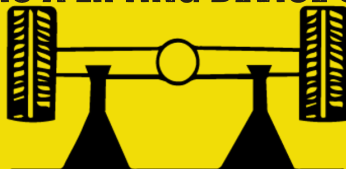
1. Turn the release valve clockwise to the closed position.
2. Pump the handle to lift vehicle off of jack stands.
3. Remove the jack stands. Do not get under or let anyone else under the vehicle while lowering.
4. Turn the release valve SLOWLY counterclockwise to lower the vehicle onto the ground.



WARNING



THIS IS A LIFTING DEVICE ONLY!



- This jack is designed **ONLY** for lifting part of the vehicle.
- **DO NOT** move or dolly the vehicle whilst on this jack.
- The vehicle **MUST** be supported immediately after lifting.
- **NEVER** go under a vehicle that is not supported by stands.

**ALWAYS SUPPORT THE VEHICLE WITH
APPROPRIATELY RATED JACK STANDS**

MAINTENANCE



IMPORTANT NOTES

- Always follow the manufacturer's guidelines for maintenance intervals and procedures.
- Use only manufacturer-approved replacement parts and fluids to ensure compatibility and safety.
- Failure to perform regular maintenance may result in reduced performance, equipment failure, or personal injury.
- Discontinue use immediately if the jack shows signs of malfunction, and do not attempt to lift loads until repairs are completed.

By adhering to these preventative maintenance practices, you can ensure the safe, reliable, and long-term performance of your bottle jack. Always prioritize safety and consult the owner's manual for specific instructions tailored to your model.

CHECKING AND FILLING OIL

The oil should be level with the bottom of fill hole. If not, top off. Do not overfill. Always fill with new, clean hydraulic jack oil.

1. Turn release valve counterclockwise to allow ram to fully retract. It may be necessary to apply force to the saddle for lowering.
2. With the jack in the lowered position, remove the oil fill plug. Stand jack in vertical position with handle socket down.
3. Check jack operation.
4. Purge air from system as required.



Hydraulic Oil
Grade: ISO 32

STORAGE

- Store in a dry, clean area to prevent rust.
- Keep upright on a flat surface.
- Lower the jack fully to reduce hydraulic strain.
- Clean dirt and grease before storage.
- Cover to protect from dust.
- Avoid extreme temperatures.
- Store away from heavy objects to prevent damage.

BLEEDING / AIR PURGE

1. Turn release valve counterclockwise one full turn to open.
2. Pump handle eight full strokes.
3. Turn release valve clockwise to close valve.
4. Pump handle until the ram reaches maximum height and continue to pump several times to remove trapped air in the ram.
5. Carefully and slowly pinch oil fill plug to release trapped air.
6. Turn release valve counterclockwise one full turn and lower ram to the lowest position. Use force if necessary.
7. Turn release valve clockwise to closed position and check for proper pump action. It may be necessary to perform the above more than once to bleed the air adequately.

MAINTENANCE

GENERAL MAINTENANCE

To ensure safe operation, longevity, and optimal performance of your garage jack, adhere to the following preventative maintenance guidelines. Regular maintenance minimizes the risk of malfunctions, extends the equipment's service life, and ensures compliance with safety standards. Always consult the manufacturer's specifications for model-specific requirements.

Routine Visual Inspections:

Conduct thorough inspections before and after each use. Check for hydraulic fluid leaks, cracks, dents, or deformation in the jack's body, saddle, and base. Inspect welds, pivot points, and fasteners for signs of wear, corrosion, or loosening. Address any abnormalities immediately to prevent operational hazards.

Cleanliness and Debris Removal:

After each use, clean the jack with a dry or slightly damp cloth to remove dirt, grease, or debris that could compromise moving parts or hydraulic components. Avoid abrasive materials or harsh chemicals that may damage the finish or seals. Ensure the jack is completely dry before storage to prevent rust formation.

Hydraulic System Maintenance:

Check hydraulic fluid levels monthly. Use only the hydraulic fluid type ISO 32. To check fluid levels, follow the manufacturer's instructions for accessing the reservoir. If low, top up with clean, compatible fluid, ensuring no air bubbles are introduced. Periodically inspect hydraulic seals for wear or leaks; replace damaged seals promptly with manufacturer-approved parts to maintain system integrity.

Lubrication of Moving Parts:

Lubricate pivot points, wheels, and other moving components as recommended in the owner's manual, using a high-quality, manufacturer-specified lubricant. Apply sparingly to avoid attracting dirt or debris. Over-lubrication can lead to slippage or contamination of the hydraulic system. Wipe away excess lubricant after application.

Seal and Component Replacement:

Inspect rubber or polyurethane seals regularly for signs of cracking, hardening, or leakage. Replace worn or damaged seals immediately with identical, manufacturer-approved parts to maintain warranty validity and ensure safe operation. Avoid using unauthorized or generic parts, as they may compromise performance and safety.

Periodic Load Testing:

Conduct a controlled load test annually or as recommended, using a weight within the jack's rated capacity. This verifies the jack's ability to lift and hold loads safely. Never exceed the rated capacity during testing, and ensure the test is performed on a hard, level surface with proper safety measures, such as jack stands, in place.

Documentation and Maintenance Records:

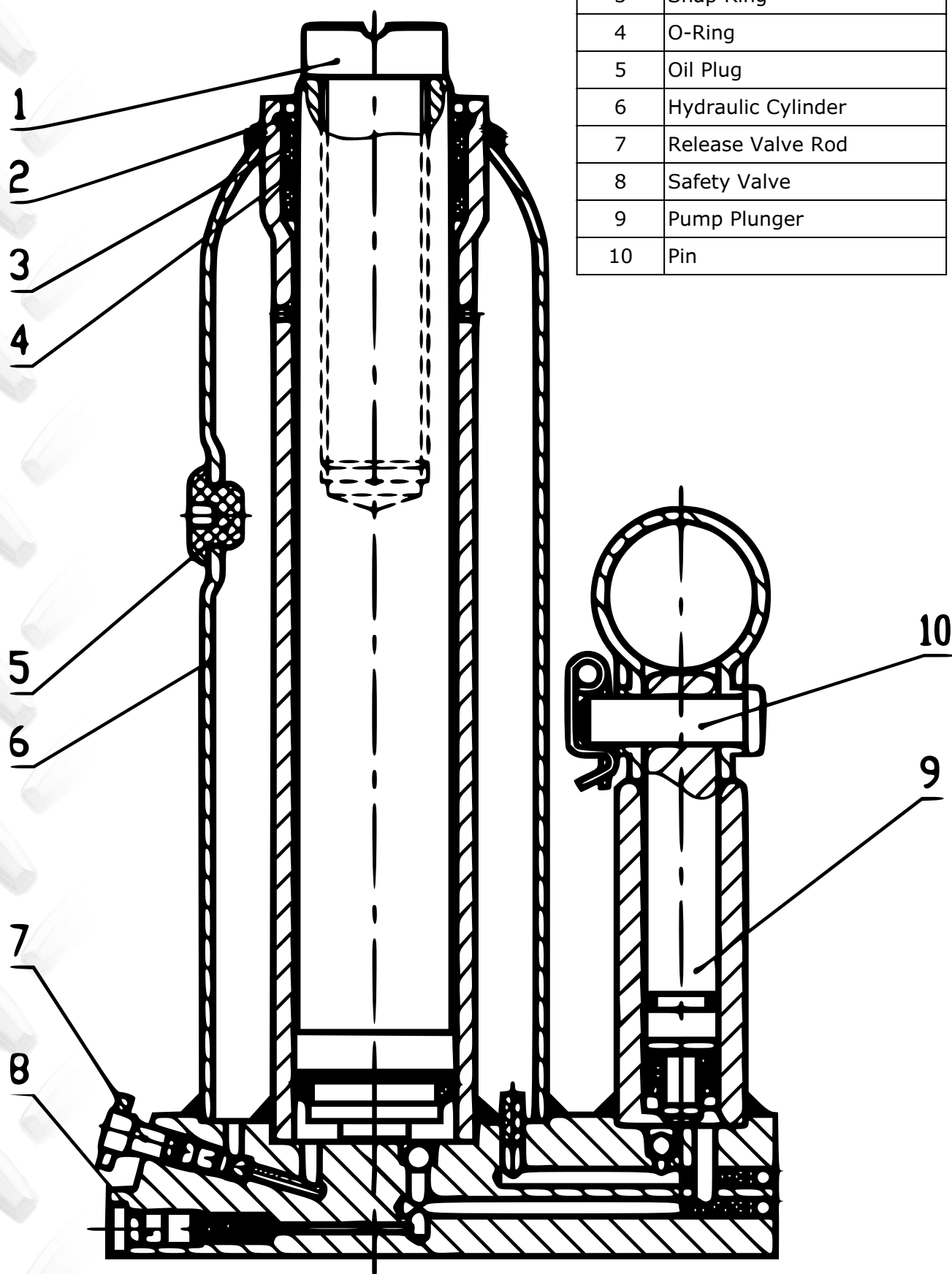
Maintain a log of all maintenance activities, including inspections, fluid changes, lubrication, and part replacements. Record dates, findings, and actions taken. This documentation aids in tracking the jack's condition, scheduling future maintenance, and verifying compliance with warranty requirements.

Binding:

If the product binds while under a load, use equipment with equal or larger load capacity to lower the load safely to the ground. After un-binding clean, lubricate and test that equipment is working properly. Rusty components, dirt, or worn parts can be causes of binding. Clean and lubricate the equipment as indicated in the lubrication section. Test the equipment by lifting without a load.

PARTS LIST & DIAGRAM

ITEM#	DESCRIPTION
1	Piston Rod
2	Wire Retaining Ring
3	Snap Ring
4	O-Ring
5	Oil Plug
6	Hydraulic Cylinder
7	Release Valve Rod
8	Safety Valve
9	Pump Plunger
10	Pin



TROUBLESHOOTING

Symptom	Possible Cause	Corrective Action
Jack will not lift	- Release valve not tightly closed. - Load exceeds capacity. - Air supply inadequate.	- Ensure release valve tightly closed. - Reduce load. - Ensure adequate air supply.
Jack bleeds off after lift	- Release valve not tightly closed. - Load exceeds capacity. - Hydraulic unit malfunction.	- Ensure release valve tightly closed. - Reduce load. - Contact place of purchase.
Jack will not lower after unloading	- Reservoir overfilled. - Linkages binding.	- Drain fluid to proper level. - Clean and lubricate moving parts
Poor lift performance	- Fluid level low. - Air trapped in system.	- Drain fluid to fluid level. - With ram fully retracted, remove oil filler plug to let pressurized air escape. Reinstall oil filler plug.
Will not lift to full extension	Fluid level low.	Ensure proper fluid level

Further troubleshooting solutions can be found on our website:
www.tqbbrands.com.au

WARRANTY

BORUM Industrial products have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase. Should this piece of equipment develop any fault, please return the complete tool to your nearest authorised warranty repair agent or contact TQB Brands Pty Ltd Warranty team

warranty@tqbbrands.com.au.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorised TQB Brands Pty Ltd repair agent. This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your TQB Brands Pty Ltd guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12month period.

Consumer Guarantee

Our goods come with a guarantee that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and 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.



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