



Stihl BT 45 Petrol Sleeper Drill – User Manual

1. Product Overview

The Stihl BT 45 is a robust, petrol-powered drill ideal for outdoor drilling applications such as fencing, timber construction, and railway sleeper work. Lightweight and powerful, it offers a 2-speed gearbox, reverse function, and ergonomic handling.

2. Technical Specifications

Feature	Specification
Engine Type	2-Stroke Petrol Engine
Displacement	27.2 cm ³
Power Output	0.8 kW / 1.1 hp
Weight	4.8 kg
Fuel Tank Capacity	250 ml
Chuck Size	13 mm (1/2") keyless
Max Drilling (Wood)	25 mm
Gearbox	2-speed + reverse

3. Safety Guidelines

- Always wear safety goggles, gloves, and ear protection.
 - Use the side handle to maintain full control.
 - Ensure the drill bit is securely fitted in the chuck.
 - Do not operate near open flames or fuel sources.
 - Avoid loose clothing and tie back long hair.
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4. Starting the Drill

1. Move the choke to the “Start” position.
2. Press the fuel primer bulb 5–6 times.
3. Hold the tool firmly and pull the starter cord briskly.

4. Allow the engine to warm for 10–15 seconds, then move the choke to “Run”.
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5. Drilling Operation

- Select the appropriate gear (low for torque, high for speed).
 - For removing bits or backing out of a hole, engage the reverse gear.
 - Apply steady pressure without forcing the drill.
 - Allow the tool to do the work.
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6. Fuel & Oil

- Mix 2-stroke oil and unleaded petrol at a 50:1 ratio.
 - Always use fresh, clean fuel in a well-ventilated area.
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7. Maintenance Tips

- Check and clean the air filter regularly.
 - Inspect and tighten bolts and fasteners before use.
 - Clean the cooling fins and muffler after use.
 - Store in a dry, dust-free location.
 - Drain fuel if not used for more than 30 days.
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8. Storage

- Store away from heat and direct sunlight.
 - Keep out of reach of children.
 - Always clean the tool before long-term storage.
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9. Troubleshooting

Problem	Solution
Engine won't start	Check fuel mix, spark plug, and choke
Drill bit slips	Tighten chuck securely
Overheating	Clean cooling system and reduce load

10. Disclaimer

This is a general-use guide. For comprehensive safety instructions, servicing, and spare parts, refer to the official Stihl BT 45 Operator's Manual available at [chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://cdnassets.stihlusa.com/1625854430-stihl-bt-45-owners-instruction-manual.pdf](https://cdnassets.stihlusa.com/1625854430-stihl-bt-45-owners-instruction-manual.pdf) or from your local dealer.