

Operation Manual

Wall Grinder 62834



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

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Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Intended use

The wall grinder is a device for cutting especially mineral materials (e.g., concrete or bricks) without the use of water. The tool must not be used for other applications (e.g., cutting with a coolant solution, processing harmful substances such as asbestos).

The device is only suitable for home use and is not suitable for commercial use. Children over 16 years of age may only use the device under supervision. No responsibility is accepted for damage caused by improper use or incorrect operation of this device.

Upon receipt, check the device for completeness and functionality; the following items should be included:

- Wall grinder
- Protective cover
- 2 cutting wheels (pre-installed)
- Extraction adapter (pre-installed)
- Reducing bushing for extraction adapter
- Boring socket wrench
- Hand chisel
- Case
- Operation instructions

Functional description

- The wall grinder cuts two grooves into the wall with two parallel diamond cutting wheels without having to use water. Cable grooves can be exposed by removing the material between the grooves.
- Note the respective cutting wheel manufacturer's information and specifications.
- For information on the operating devices, please refer to the following descriptions.

Safety precautions

Attention! When using power tools, observe the following basic safety precautions to prevent electric shock, fire, and the risk of injuries. Read all instructions before using this power tool and keep the safety instructions.

Safety and warning symbols



Warning!



Warning! Risk of electric shock! Unplug before performing any maintenance work.



Read the operation manual!



Wear eye and hearing protection!



Wear respiratory protection!



Cutting danger! Wear cut-resistant gloves!



Wear working shoes!



Do not use the device for grinding with water!



Protection class II (double insulated)

Other symbols on the cutting wheels



Do not use damaged cutting wheels!



Danger symbol, giving information on how to avoid damages and injuries



Danger symbol, giving information on how to avoid injuries caused by electric shock



Caution symbol (with information on precautionary measure) with information on how to avoid dangers/damages




Switch off and unplug the device. Wait for the device to cool down.



Connect the device to the mains.



General safety precautions for electric tools

 **Warning!** Read all safety precautions and instructions. Failure to follow them may lead to electric shock, fire and/or severe injuries.


Keep all safety precautions and instructions for future use.

An “electric tool” in the sense of the safety instructions is a mains-operated electric tool (with cable) or a battery-operated (cordless) electric tool.

Work area safety


- Keep your work area tidy and well-lit. Untidy or poorly lit work areas increase the risk of accidents.
- Do not operate power tools in potentially explosive areas, e.g., near flammable liquids, gases or dusts. Power tools generate sparks that can ignite gases or dust.
- Keep children and bystanders away while you are operating a power tool. Distractions can lead to a loss of control of the device.

Electric safety

 **Caution!** The following information describes how to avoid accidents and injuries from electric shock:

- A power tool plug must match the socket. Never modify the plug in any way. Do not use adapter plugs on grounded power tools. Unmodified power plugs and matching sockets reduce the risk of electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, stoves, and refrigerators. There is an increased risk of electric shock if the body is earthed.
- Do not expose power tools to rain or moisture. With water getting into a power tool, there is an increased risk of electric shock.
- Do not misuse the power cord. Never use it to carry, pull or unplug the power tool. Keep the cord away from heat, oil, sharp edges, or moving parts. With a cord damaged or tangled, there is an increased risk of electric shock.
- When using a power tool outdoors, use an extension cord that is suitable for outdoor use. Using a cord suitable for outdoor use will reduce the risk of electric shock.
- If the operation of a power tool in a damp environment is unavoidable, use a residual current circuit breaker (FI switch). Using an FI switch reduces the risk of electric shock. Use a residual current circuit breaker with a triggering current of 30 mA or less.

Personal safety

-  **Caution!** Following the information given beneath to avoid accidents and injuries:
- Remain vigilant and give your full attention when operating a power tool. Do not use a power tool if you are tired or under the influence of alcohol, drugs, or medication. A moment of inattentiveness while operating power tools can result in serious injury.
 - Put on suitable protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-slip safety shoes, a hard hat, or a hearing protection, which must also be used under certain conditions, reduce the risk of injury.
 - Prevent unintentional starting. Make sure that the switch is in the off position before you connect the device to the power source and/or the battery, pick it up or carry it. Carrying power tools with a finger on the switch or turning on power tools with the switch in the on position increases the risk of accidents.
 - Remove all wrenches before switching on the power tool. A wrench hanging on a rotating part of the power tool could cause personal injury.
 - Do not lean too far forward. Always keep a secure stance and keep your balance. This allows better control of the power tool in unexpected situations.



- Dress suitably. Do not wear loose clothing or jewellery. Keep hair, clothing, and gloves away from moving parts. Loose clothing, jewellery, or long hair can get caught in moving parts.
- If devices are available to connect dust extraction and collection equipment, ensure that they are connected and used properly. Using a dust extractor can reduce the dangers caused by dust.

Use and care safety

- Do not use the power tool forcibly. Use the right power tool for the job at hand. The right power tool at the speed for which it was designed works better and safer.
- Do not use the power tool if it cannot be switched on and off using the switch. A power tool that cannot be controlled using the switch is dangerous and must be repaired.
- Disconnect the plug from the power source and/or the battery from the power tool before making adjustments, replacing accessories or storing the device. Such preventive safety measures help ensure that a power tool does not become a hazard in untrained users' hands.
- Keep unused power tools out of children's reach and do not allow people unfamiliar with the power tool or these instructions to operate the device, power tools in untrained users' hands being dangerous.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and easier to control.
- Use the power tool, accessories, and tools etc. in accordance with these instructions, considering the working conditions and the work to be performed. Using the power tool for work other than that for which it is intended can lead to a dangerous situation.

Maintenance safety

Have your power tool serviced by a qualified specialist; only identical spare parts may be used. This ensures the power tool safety.

Safety precautions for the cutting process

- The protective device on the device must be securely attached and adjusted in such a way that the highest level of safety is guaranteed, i.e., the smallest possible section of the cutting surface is visible to the user. Make sure that you and anyone in the vicinity are not in the plane of the rotating wheels. The protective cover is intended to protect the user from parts ejected and accidental contact with cutting surfaces.
- Use only diamond blades with this tool. Attaching the accessories to the device does not guarantee safe operation.
- The permissible speed of the accessories must be at least as high as the highest speed specified on the power tool. Accessories that run faster than the permitted speed can break and fly apart.
- Cutting wheels may only be used for the recommended applications. Never cut with the side of a cutting wheel, cutting wheels being designed to remove material with the edge. By applying lateral force, they can break.
- Always use undamaged clamping flanges of the correct size and shape for the cutting wheels that you have chosen. Suitable flanges support the cutting wheels and thus reduce the risk of the cutting wheels breaking.
- The outer diameter and thickness of the accessory must correspond to the dimensions of the power tool. Incorrectly dimensioned accessories cannot be adequately shielded or controlled.
- Cutting wheels and flanges must fit exactly on the holding spindle. Wheels that do not fit exactly on the spindle rotate unevenly, vibrate heavily, leading to a loss of control.
- Never use damaged accessories. Check them for damage (e.g., cracks), wear and tear or heavy abrasion. If the accessory should fall off, check it for damage, or use an undamaged accessory. When having checked and replaced the accessory, let the device run for 1 min at the highest speed. Make sure that there are no bystanders and stay out of the reach of the rotating accessory. Damaged accessories usually break apart during this test period.
- Put on personal protective equipment. Use full face protection, eye protection, or safety glasses depending on the type of application. If necessary, wear a dust mask, hearing protection, gloves,



or a special apron that will keep small abrasive and material particles away from you. The eyes should be protected from foreign objects ejected during the various applications. Dust masks or breathing masks should be able to filter the dust generated during operation. Long-term exposure to loud noise can damage your hearing.

- Make sure that other people are at a safe distance from your work area. Persons entering the work area should wear personal protective equipment. Parts broken off from the workpiece or parts of a broken accessory can be ejected and cause injuries even outside the immediate work area.
- Only hold the power tool by the insulated gripping surfaces when performing work in which the cutting tool may come into contact with hidden cables or its own cable. Contact with a live wire can also cause metal parts of the device to become live and give the user an electric shock.
- Keep the cable away from the rotating accessory. Losing control of the device can lead to disconnecting or pinching the power cord and to pulling your hand or arm into the rotating accessory.
- Never put the power tool down before the accessory has come to a standstill. The rotating tool could come into contact with the surface on which you placed it, which could cause you to lose control of the device.
- Never run the power tool while carrying it. Your clothing could accidentally come into contact with the rotating accessory, thus becoming entangled in it and causing the tool to cut your body.
- Clean the ventilation slots on your power tool regularly. The motor sucks dust into the case, which can be dangerous with too much metal dust accumulating.
- Never use the power tool near flammable materials. Sparks could ignite this material.
- Do not use accessories that require liquid coolant. Using water or any other liquid coolant could result in electric shock.

Additional safety precautions for all types of application

Kickback and related precautions: A kickback is the sudden reaction of a breaking or stuck grinding accessory such as a cutting wheel, sanding pad, wire brush, etc. Accessories that break or stick cause the rotating attachment to suddenly stop. As a result, an uncontrolled power tool is accelerated against the direction of rotation of the connection tool, whereby for example a cutting wheel cutting into the workpiece and getting stuck in it can break or cause a kickback if it moves in the direction of rotation or against the direction of rotation at the point of sticking. The wheel then moves towards or away from the operator, depending on the direction of rotation of the wheel at the point of sticking. Thus, cutting wheels can break, too. Kickbacks are caused by the power tool being used improperly or negligently. It can be avoided by taking appropriate precautionary measures; see below:

- Hold the power tool very firmly and hold your body and arm so that you can absorb the kickback force. Always use the auxiliary handle, if available, to have the best control over the kickback force or the reaction force during acceleration. The operator can absorb the kickback and reaction force by taking appropriate precautionary measures.
- Never bring your hands near a rotating accessory. The tool can run over your hand in the event of a kickback.
- Keep your body away from the area where the power tool would move in the event of a kickback. At the point of sticking, the kickback drives the power tool in the opposite direction to the direction of rotation of the wheel.
- Work particularly carefully at corners or where there are sharp edges, etc. Prevent accessories from kicking back from the workpiece and jamming. The rotating accessory tends to jam near or kick back from sharp edges. This causes a loss of control or kickback of the entire device.
- Do not use chain or toothed saw blades. Such accessories often cause kickback or loss of control of the power tool.
- Avoid blocking the cutting wheel or pressing it down too hard. Do not cut too deeply. Overloading the cutting disc increases wear, tear, and the likelihood of it becoming crooked or getting stuck and kick back or break.
- If the cutting wheel jams or you interrupt your work, switch off the device and hold it until the wheel has come to a standstill. Never try to pull the cutting wheel out of the cut while it is still running as it may then kick back. Identify and correct the cause of the blockage.



- Do not switch the power tool on again while it is in the workpiece. Wait for the cutting wheel to reach its full speed before carefully proceeding with cutting. Otherwise, the wheel may get stuck, jump off the workpiece or cause kickback.
- Support the panels or large workpiece to reduce the risk of kickback caused by a cutting wheel stuck. Large workpieces can bend down under their own weight. The workpiece must be supported on both sides of the wheel, both near the cutting wheel and on the edge.
- Be especially careful with cuts in existing walls or other areas where you cannot see what is in or behind. The cutting wheel can cause kickback if it cuts into gas, water, power lines, or other hidden objects.


Additional safety precautions

- Approved cutting wheel types: segmented diamond wheels with a maximum distance of 10 mm between the segments, only with a negative cutting angle
- Wheel diameter: 12.5 mm
- Wheel thickness: 2.1 mm

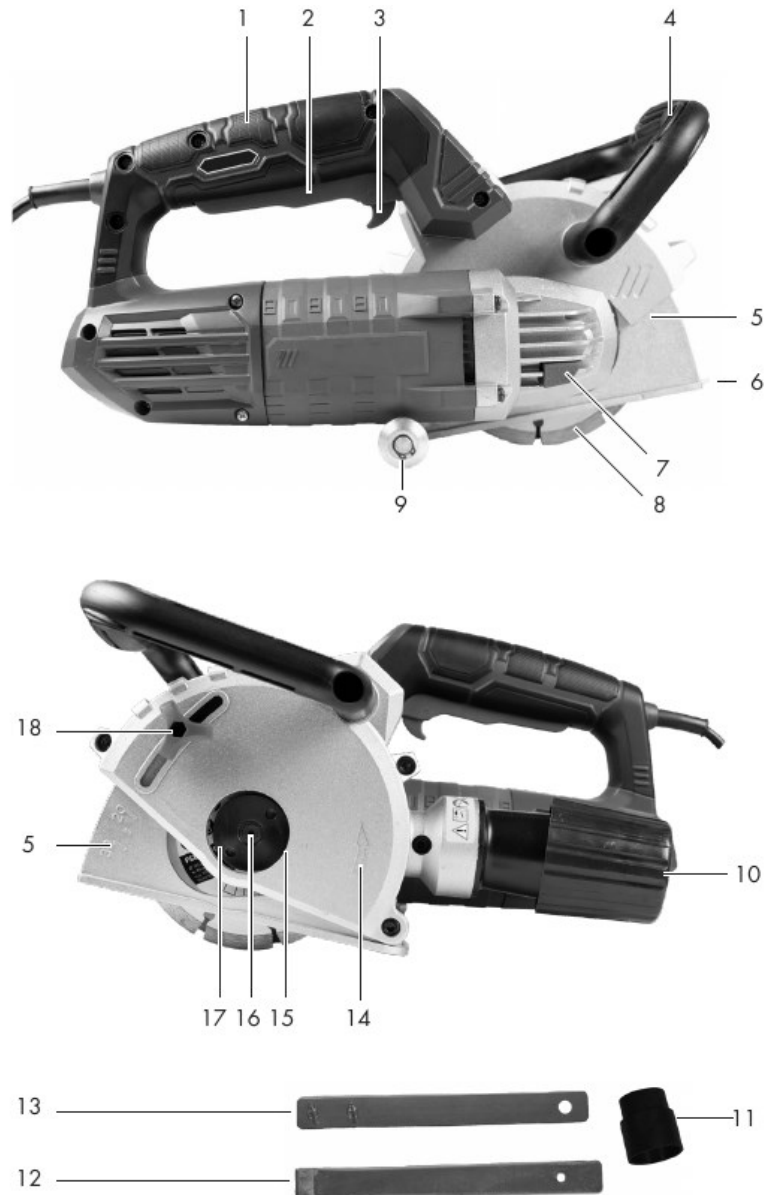
Residual risks

Even with proper operation and handling of this power tool, residual risks remain. Due to its type and design, this power tool can pose the following dangers:

- lung damage if you do not wear a suitable respiratory protection,
- hearing damage if you do not wear a suitable hearing protection,
- health impairment through
 - touching the uncovered area of the cutting tool,
 - parts of the workpiece or damaged cutting wheels being ejected,
- damage to health caused by the vibration of the device, to which the hand or arm is exposed, if the device is used for a long period of time or is not used and maintained properly.

 **Warning!** During operation, this power tool generates an electromagnetic field which, under certain circumstances, can impair the function of active or passive medical implants. To reduce the risk of severe or fatal injuries, we recommend people with medical implants (e.g., pacemakers) to consult their doctor before operating the machine.

Main parts



Nº	Name	Nº	Name
1	Handle	12	Hand chisel
2	On/off switch	13	Clamping wrench
3	Switch lock	14	Mark showing the direction of rotation
4	Auxiliary handle	15	Protective cover opening
5	Protective cover	16	Take-up spindle
6	Depth stop	17	Clamping flange
7	Spindle stop	18	Depth stop locking screw
8	Cutting wheels	19	Mounting flange (not showed)
9	Roller	20	Spacer (not showed)
10	Dust exhaust connection	21	Flange (not showed)
11	Dust exhaust adaptor		



Mounting

Attention! Risk of injuries!

- Make sure that you have enough space to work and that you do not endanger other people.
- All covers and protective devices must be properly installed before commissioning.
- Disconnect the power plug before you carry out any settings or maintenance on the device.

Attaching/replacing the cutting wheels

1. Press the spindle stop **(7)**.
2. Turn the take-up spindle **(16)** until the spindle stop fixes the take-up spindle. Press and hold the spindle stop **(7)**.
3. Loosen the clamping flange **(17)** with the clamping wrench **(13)**. You can loosen the spindle stop **(7)**.
4. Remove the clamping flange **(17)** through the opening in the protective cover **(15)**.
5. Remove the cutting wheel **(8)** by lifting the take-up spindle **(16)** and pulling it off as far as the protective cover.
6. Remove the flange **(21)** and the spacers **(20)** through the opening in the protective cover.
7. Remove the second cutting wheel **(8)** as described in point 5.
8. The mounting flange **(19)** can be left on the take-up spindle **(16)**. When you remove the mounting flange **(19)**, make sure that it is positioned correctly. The contour of the mounting flange **(19)** must point towards the motor. When you turn the mounting flange **(19)**, the take-up spindle **(16)** must turn with it.
9. Place the required cutting wheel **(8)** on the mounting flange **(19)**.
10. Set the desired cutting width by selecting the spacers **(20)**. Slide the spacers onto the take-up spindle **(16)**; this is followed by the flange **(21)** and then the second cutting wheel.
11. Put the clamping flange **(17)** back onto the take-up spindle **(16)**.
12. Press the spindle stop **(7)** and turn the take-up spindle **(16)** until the spindle stop fixes the take-up spindle **(16)**. Tighten the clamping flange **(17)** again with the clamping wrench **(13)**. You can now release the spindle stop **(7)**.



Information on replacing:

- Never operate the device without protective equipment.
- Make sure that the speed indicated on the cutting wheel **(8)** is equal to or higher than the nominal speed of the device.
- Make sure that the dimensions of the cutting wheel match those of the device.
- Only use cutting wheels that are in perfect condition (sound test: If you hit the cutting wheel with a plastic hammer, you will hear a bright noise).
- Never re-drill a receiving hole, that is too small, to enlarge it.
- Never use separate sockets or adapters to be able to insert cutting discs with a bore, that is too large, into the device.
- Do not use saw blades.



Only replace the diamond cutting discs in pairs!



**If the direction of rotation is marked on the cutting disc,
make sure that it corresponds to the direction of rotation marking on the tool.**



Wear protective gloves when changing the wheels to avoid cuts.



Adjusting the groove depth

1. Loosen the locking screw **(18)**.
2. Set the depth stop to the desired depth. To do this, adjust the protective cover **(5)**.
3. Fasten the protective cover **(5)** again with the locking screw **(18)**.

Dust extraction

- The device generates a large amount of dust during operation. You should therefore wear a dust mask and always connect an extraction system or an industrial vacuum cleaner.
- If the extraction system malfunctions, stop operation and remedy the malfunction.

Connecting the dust extraction system

- Unscrew the dust exhaust connection cap **(10)**. Introduce the hose of the industrial vacuum cleaner through the cap and screw it tight.
- If the hose of your vacuum cleaner has the wrong diameter for a direct connection, you can insert the adaptor **(11)** in between.
- Always connect an extraction system or an industrial vacuum cleaner to prevent damage to the engine.

Operation



Caution! Risk of injuries!

- Always pull the power plug before maintaining or adjusting the device.
- Only use cutting wheels and accessories recommended by the manufacturer. Using other accessories might be dangerous.
- Only use cutting tools that have information on the manufacturer, the type of binding, the dimensions, and the permissible rotation speed.
- Only use cutting wheels with a speed printed on them that is at least as high as that specified on the nameplate of the device.
- Do not use broken, cracked or otherwise damaged cutting wheels.
- Never operate the device without protective equipment.
- Support panels or large workpieces to reduce the risk of kickback from a jammed cutting wheel. Large workpieces might bend under their own weight. The workpiece must be supported on both sides of the wheel, not only near the cutting wheel, but also on the edge.



Keep your hands away from the cutting wheel when using the machine. Risk of injury.



Switch off the device and pull out the power plug. Let the device cool down.

Switching on/off



Make sure that the supply voltage corresponds to the one specified on the nameplate.



Connect the device to the power supply.

1. To start the device, push the switch lock **(3)** forwards. Then press the on/off switch **(2)**.
2. To switch off, release the on/off switch. The device turns off.

After switching on the device, wait for the device to reach its maximum speed. Only then do you start work.



 **The cutting disc continues to run a little even after the device has been switched off. There is a risk of injury.**

Test run: Always carry out a test run before the first cutting process and after every wheel change. Switch off the device immediately if the cutting wheel does not turn smoothly, if strong vibrations occur or if you hear unusual noises.

Handling


 **Before using the wall grinder, check the walls for hidden power cables and gas and water pipes with a pipe locator.**

1. Switch on the wall grinder, hold the roller **(9)** against the wall when the cutting wheels are turning.
2. Bring the cutting wheels into contact with the wall.
3. The cutting direction should always be opposite to the direction of rotation of the wheels. Check all markings **(14)**, otherwise the device could get into an invisible area outside the cutting area.
4. When reaching the end of the groove, remove the device from the wall. Remove the device from the groove before switching it off.
5. Finish the resulting gap between the two grooves with the hand chisel.

Cleaning and maintaining



Pull the power plug before carrying out maintenance or cleaning work on the device.

 **Have carried out by a specialist all work on the device not described in these operating instructions. Only use original parts. Let the device cool down before performing any maintenance or cleaning work. There is a risk of burns.**

- Always check the device for obvious defects before use, e.g., missing, worn, or damaged parts. Realign screws and other parts if they have changed their alignment. In particular, check the cutting wheels. Replace damaged parts.
- Thoroughly clean the device after each use.
- Clean the ventilation openings and the surface of the device with a soft brush or cloth.

Storage

- Store the device in a dry place and out of the reach of children.
- Cutting wheels must be stored dry and upright and should never be piled up.



Troubleshooting



Always disconnect the device from the power supply before carrying out any maintenance work. Risk of electric shock!

Problem	Possible reason	Solutions
The device does not start.	Missing mains voltage, main circuit breaker released	Check power socket, mains cable, mains plug, and, if necessary, arrange for them to be repaired by an electrician; check main switch.
	Possibly damaged on/off switch	
	Defective motor	Arrange for the motor to be repaired by a qualified person.
The cutting tool does not move although the motor is running.	Lose clamping flange (17)	Re-tighten the clamping flange (17) (see “Attaching/replacing the cutting wheels”).
	Drive blocked by workpiece or off-cuts	Remove blocking parts.
The motor slows down and stops.	Motor overload caused by workpiece	Reduce the pressure applied on the cutting tool.
		Do not continue working on unsuitable workpiece.
Cutting wheels do not turn evenly, unusual noises can be heard.	Lose clamping flange (17)	Re-tighten the clamping flange (17) (see “Attaching/replacing the cutting wheels”).
	Defective cutting wheels	Replace the cutting wheels.

Technical specifications

Intake voltage (V)	230
Intake frequency (Hz)	50
Power consumption (W)	1350
Rotation speed (1/min)	9000
Size of cutting wheel (mm)	∅125 × 22.23
Groove depth (mm)	0–30
Groove width (mm)	8–25
Spindle thread	M14
Protection class	II (double insulation)

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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