

Manual

Bench Grinder

5"

Grinding Wheel

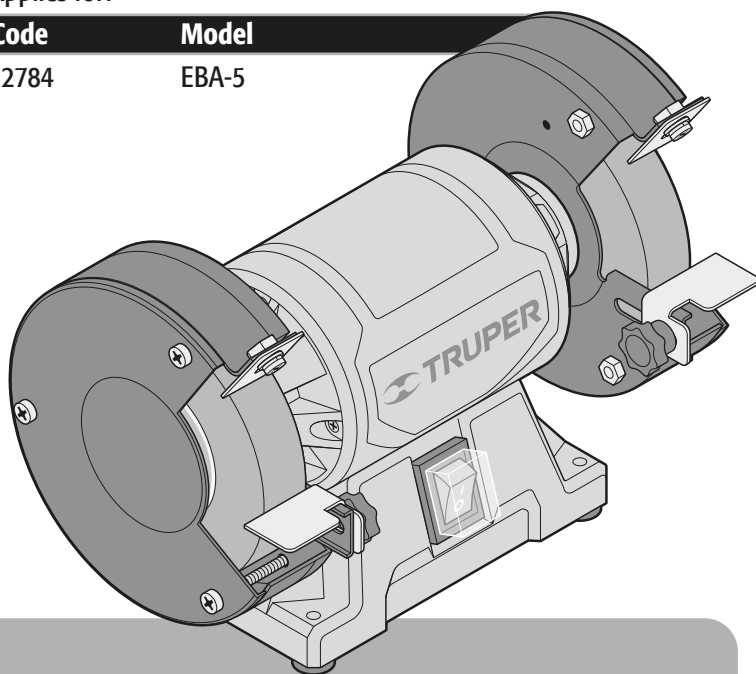
Applies for:

Code

Model

12784

EBA-5





EBA-5



Read this manual thoroughly
before using the tool.



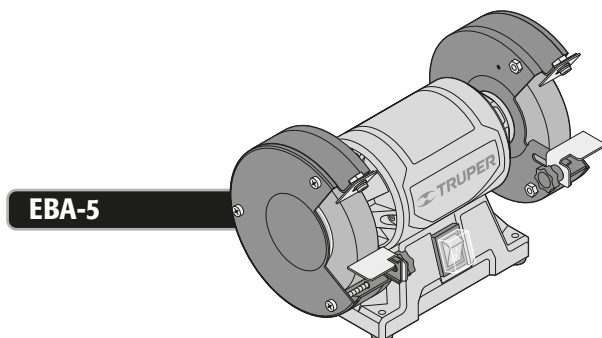
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CAUTION

To gain the best performance of the tool, prolong the duty life, make the Warranty valid if necessary, and to avoid hazards of fatal injuries please read and understand this Manual before using the tool.

Keep this manual for future references.

The illustrations in this manual are for reference only. They might be different from the real tool.



Technical Data



EBA-5

Code	12784
Description	Bench Grinder
Grinding Wheels	5"
Voltage	127 V ~
Frequency	60 Hz
Current	1.5 A
Power	1/4 Hp
Speed	3 450 RPM
Duty cycle	50 minutes work per 20 minutes idle. Maximum 6 hours per day
Conductors	18 AWG X 3 C with insulating temperature of 221 °F
Insulation	Class I

Power Cord Grips used in this product: Type "Y"
Tool Build Quality: Basic Insulation
Thermal insulation on motor winding: Class B

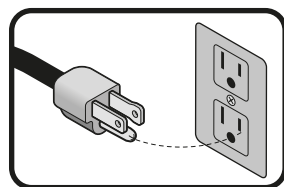
⚠ WARNING Avoid the risk of electric shock or severe injury. When the power cable gets damaged it should only be replaced by the manufacturer or at a **TRUPER** Authorized Service Center. The build quality of the electric insulation is altered if spills or liquid gets into the tool while in use. Do not expose to rain, liquids and/or dampness.

⚠ WARNING Before gaining access to the terminals all power sources should be disconnected.



Power Requirements

⚠ WARNING If faults or breakdowns happen. Ground connection offers a trajectory with minimum resistance for electric power. It reduces the risk of electric shock. This tool is built with a power cable with an earth conductor and ground connection. The plug shall be connected into a power outlet installed and grounded according to all local codes.



⚠ CAUTION When using an extension cord, verify the gauge is enough for the power that your product needs. A lower gauge cable will cause voltage drop in the line, resulting in power loss and overheating. The following table shows the right size to use depending on cord's length and the ampere capability shown in the tool's nameplate. When in doubt use the next higher gauge.

Ampere Capacity	Number of Conductors	Extension Gauge	
		From 6 ft to 49 ft	Higher than 49 ft
From 0 A and up to 10 A	3 (one grounded)	18 AWG	16 AWG
From 10 A and up to 13 A		16 AWG	14 AWG
From 13 A and up to 15 A		14 AWG	12 AWG
From 15 A and up to 20 A		8 AWG	6 AWG

⚠ WARNING When operating power tools outdoors, use a **VOLTACK** grounded extension cable labeled "For Outdoors Use". These extensions are specially designed for operating outdoors and reduce the risk of electric shock.





General Safety Warnings for Power Tools



WARNING! Read carefully all safety warnings and instructions listed below. Failure to comply with any of these warnings may result in electric shock, fire and / or severe damage. **Save all warnings and instructions for future references.**

Work area

Keep your work area clean, and well lit.

Cluttered and dark areas may cause accidents.



Never use the tool in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.

Sparks generated by power tools may ignite the flammable material.



Keep children and bystanders at a safe distance while operating the tool.

Distractions may cause losing control.



Electrical Safety

The tool plug must match the power outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.

Modified plugs and different power outlets increase the risk of electric shock.



Avoid body contact with grounded surfaces, such as pipes, radiators, electric ranges and refrigerators.

The risk of electric shock increases if your body is grounded.

Do not expose the tool to rain or wet conditions.

Water entering into the tool increases the risk of electric shock.

Do not force the cord. Never use the cord to carry, lift or unplug the tool. Keep the cord away from heat, oil, sharp edges or moving parts.

Damaged or entangled cords increase the risk of electric shock.

When operating a tool outdoors, use an extension cord suitable for outdoor use.

Using an adequate outdoor extension cord reduces the risk of electric shock.

If operating the tool in a damp location cannot be avoided, use a ground fault circuit interrupter (GFCI) protected supply.

Using a GFCI reduces the risk of electric shock.

Personal safety

Stay alert, watch what you are doing and use common sense when operating a tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.

A moment of distraction while operating the tool may result in personal injury.

Use personal protective equipment. Always wear eye protection.

Protective equipment such as safety glasses, anti-dust mask, non-skid shoes, hard hats and hearing protection used in the right conditions significantly reduce personal injury.



Prevent unintentional starting up. Ensure the switch is in the "OFF" position before connecting into the power source and / or battery as well as when carrying the tool.

Transporting power tools with the finger on the switch or connecting power tools with the switch in the "ON" position may cause accidents.

Remove any wrench or vice before turning the power tool on.

Wrenches or vices left attached to rotating parts of the tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times.

This enables a better control on the tool during unexpected situations.

Dress properly. Do not wear loose clothing or jewelry. Keep hair, clothes and gloves away from the moving parts.

Loose clothes, jewelry or long hair may get caught in moving parts.



If you have dust extraction and recollection devices connected onto the tool, inspect their connections and use them correctly.

Using these devices reduce dust-related risks.

Power Tools Use and Care

Do not force the tool. Use the adequate tool for your application.

The correct tool delivers a better and safer job at the rate for which it was designed.



Do not use the tool if the switch is not working properly.

Any power tool that cannot be turned ON or OFF is dangerous and should be repaired before operating.

Disconnect the tool from the power source and / or battery before making any adjustments, changing accessories or storing.

These measures reduce the risk of accidentally starting the tool.

Store tools out of the reach of children. Do not allow persons that are not familiar with the tool or its instructions to operate the tool.

Power tools are dangerous in the hands of untrained users.



Service the tool. Check the mobile parts are not misaligned or stuck. There should not be broken parts or other conditions that may affect its operation. Repair any damage before using the tool.

Most accidents are caused due to poor maintenance to the tools.



Keep the cutting accessories sharp and clean.

Cutting accessories in good working conditions are less likely to bind and are easier to control.

Use the tool, components and accessories in accordance with these instructions and the projected way to use it for the type of tool when in adequate working conditions.

Using the tool for applications different from those it was designed for, could result in a hazardous situation.

Service

Repair the tool in a TRUPER Authorized Service Center using only identical spare parts.

This will ensure that the safety of the power tool is maintained.

Children or people with reduced physical, sensory or mental capabilities shall not operate the tool, neither inexperienced people or without knowledge in the use of the tool, unless supervised by a person responsible of their safety or if receiving previous instructions about the tool operation.

Children shall be kept under supervision to double-check they will not play with the tool. Tight supervision shall be used with children or disabled persons to prevent from using or being close to any household tool.



Safety Warnings for the Use of Bench Grinders



Choose the Right Grinding Wheel

⚠ CAUTION • Never try to use wheels with diameters bigger than the size appropriate for the tool.

⚠ WARNING • Never use wheels that are damaged or in bad repair. Otherwise they could break and get thrown out towards the operator.

⚠ WARNING • Use wheels or accessories only for 3 450 RPM speeds or higher.

⚠ CAUTION • Use only wheels or accessories with an orifice matching the tool axis.

⚠ CAUTION • Use only wheels or accessories specific for the material to be used.

Before Operating the Bench Grinder

• Spare some time to assess the work to be made. Double check you take all the necessary cautions before starting to grind.


• Plan ahead the way to hold the work piece. Avoid positions which could make you lose control over your hands. If there is a sudden slip the hand could make contact with the moving disc.

⚠ DANGER • Remove all the wrenches from the tool. Otherwise the wrenches may be shot with great force causing severe injuries to the operator.

⚠ WARNING • Double check the disc guard is in good repair and correctly fastened. The tool shall not be used without the guard.

⚠ CAUTION • Verify the disc is not broken or cracked. Hit lightly the disc with a wood hammer. The sound will tell you if it's cracked. Replace immediately a broken disc before operating the tool.

⚠ DANGER • Double check the switch is OFF before connecting the tool. Otherwise it will run unexpectedly causing severe injuries.

⚠ CAUTION • Turn on the tool 30 seconds before using to detect considerable vibrations or any type of unusual movement. If detected, disconnect the tool and go to a  **TRUPER** Authorized Service Center.


⚠ CAUTION • Verify the disc runs freely. Do not tighten the disc too much. Otherwise it could break.

⚠ WARNING • Top work with small work pieces fix them with clamps or vices. Never use your hands to hold pieces.

While Operating the Bench Grinder

• Keep your fingers in a safe distance away from the grinding disc.

⚠ CAUTION • Do not start the tool when the disc is making contact with the work piece.

⚠ WARNING • Wear safety eyeglasses, gloves and apron when operating the tool. 

⚠ WARNING • Keep the cable or extension cable behind the tool to prevent accidentally damage the cable with the disc.

⚠ CAUTION • Do not touch the disc or the work piece immediately after grinding. Manipulate them only when cooled down. Do not try to cool down the disc or piece using water or oil.

⚠ WARNING • Verify the tool is disconnected before checking, adjusting or replacing the disc.

⚠ DANGER • Sparks coming out from grinding can be dangerous if adequate measures are not taken.

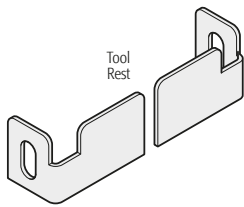
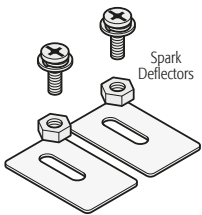
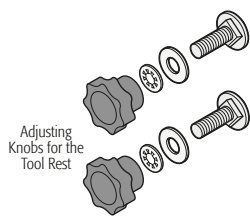
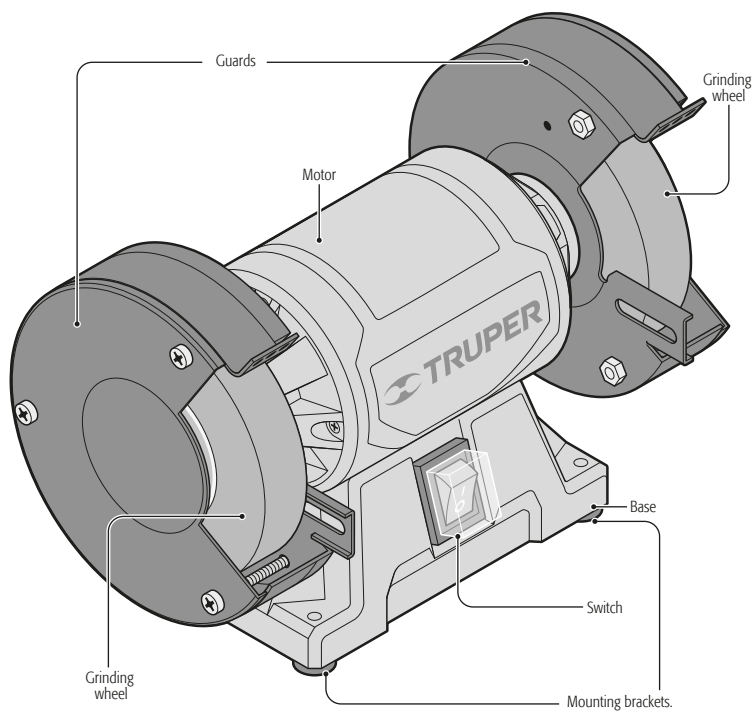
Double check sparks do not come into contact with skin or flammable substances.

⚠ DANGER • Do not stretch over the machine to overreach. Use a safe posture and always keep good footing.

• The feed direction of the work piece shall be directed against the disc rotation.

• Prevent damages due to jamming, sliding or movement of the work piece. Make sure all the vices and locks are tight and that no part has excessive movement.

• If a small piece gets stuck inside the guard turn off the machine immediately, disconnect from the power outlet and wait until all the mobile parts stop completely before trying to remove the stuck piece.



- Mount the tool on a bench or work table. Fix the base with bolts (not included)..
- The place you determine to set the tool shall be perfectly leveled and with enough space around it to adequately handle and support the work piece.

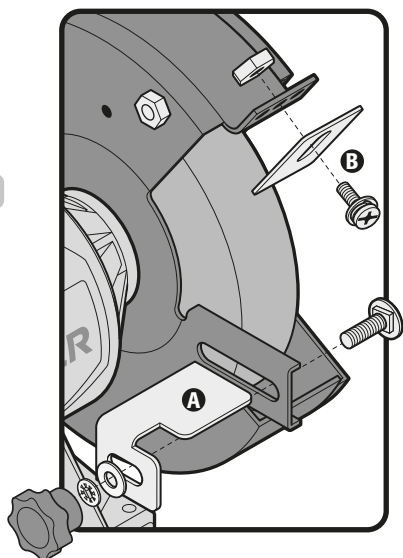
Mount the Accessories

- To mount switch the tool Off and unplug it.
- The tool accessories are needed to gain an efficient and safe operation. Do not run the tool when there are accessories not installed.
- The tool includes accessories for both wheels (left and right). The illustration shows the mounting right side of the tool. Repeat the same procedure to mount the left side wheel.

⚠ CAUTION • Take your time to examine all the accessories before mounting to prevent fixing them in the wrong side of the machine.

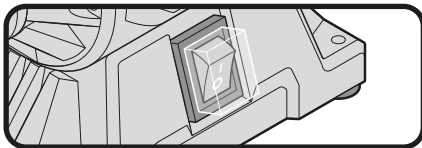
⚠ CAUTION • For a safe operation, the edges of the tool rest (A) as well as the edges of the spark deflectors (B) need to be adjusted 1/16" away from the grinding wheel.

- The smaller screws kits are needed to fix the spark deflectors (B).



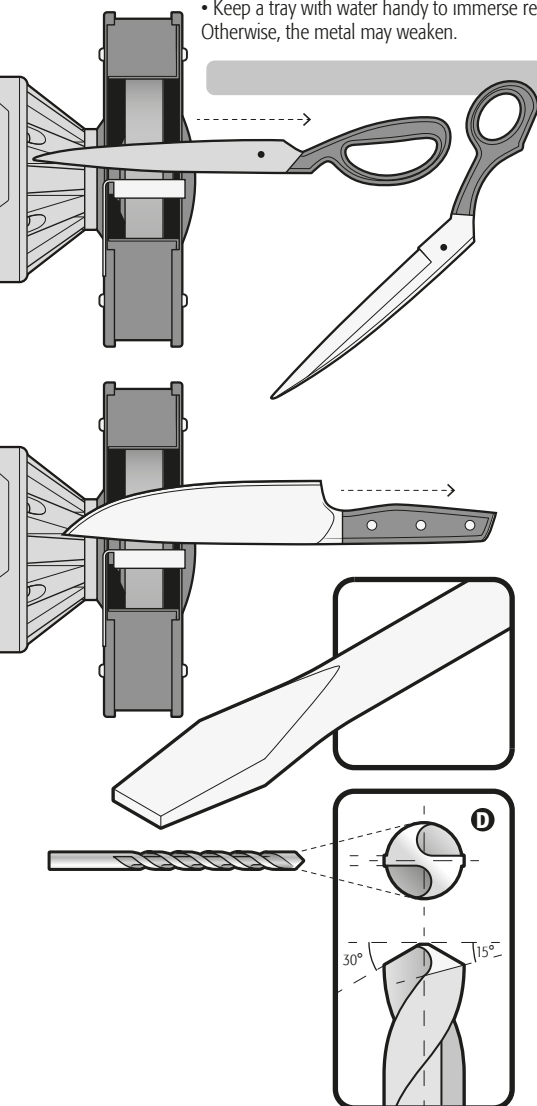
Turning On

To turn on the tool, press (**I**) on the switch. To turn it off, press (**O**). Wait a few seconds for the motor to reach its rated speed before operating.



Operation

- Use moderate and constant pressure on the work piece. Use uniform movements to get a soft grind. If you use excessive pressure the motor will overheat and the grinding wheel will wear out faster.
- Locate the bevel angle in the piece to hone and try to keep its shape.
- The disc shall turn against the object to be honed.
 - Keep a tray with water handy to immerse regularly there the work piece to prevent overheating. Otherwise, the metal may weaken.



Honing

In most cases, the tool's blade angle shall be 20° with regards to the grinding wheel.

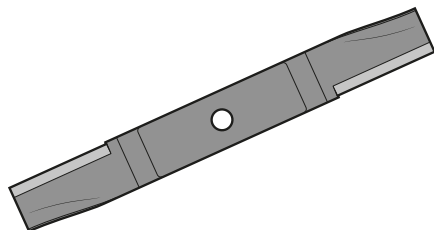
Scissors: When possible, unscrew the scissors to make the honing job easy and safe. Hone only the outside and work from the blade's heel to the tip.

Knives: Most knives can be honed in both faces. Work from the blade's heel to the tip.

Screwdrivers: A perfectly honed screwdriver need to be a perfect rectangle, totally flat and perpendicular to the screwdriver blade. Both sides and faces shall be flat and perpendicular to each other. To hone a damaged screwdriver, keep each face of the screwdriver against the grinding wheel. Then place the tip against the wheel to get it leveled.

Bits: Bits get honed better using a honing template that can be purchased in most hardware stores. Use care not to damage it with the grinding wheel. Start in one side of the tip in the existing angle. Then, twist the bit keeping a constant angle with the grinding surface. Hone the tip only. This technique requires a lot of practice. Make some test with the grinder off. Assure to keep the tip original angle to get an efficient bit. Refer to the illustration to see the angles (D).

Lawn Mower Blades: These are only honed in one side and the other side only toned a little bit. Double check the blade is balanced when honed. Otherwise it can cause severe damage to the lawn mower crank. There are very economical scales that can help in learning if the blades are well balanced. To prevent to accidentally start up the lawnmower always remove the spark plug cables before servicing.



Grinding Wheels Replacement

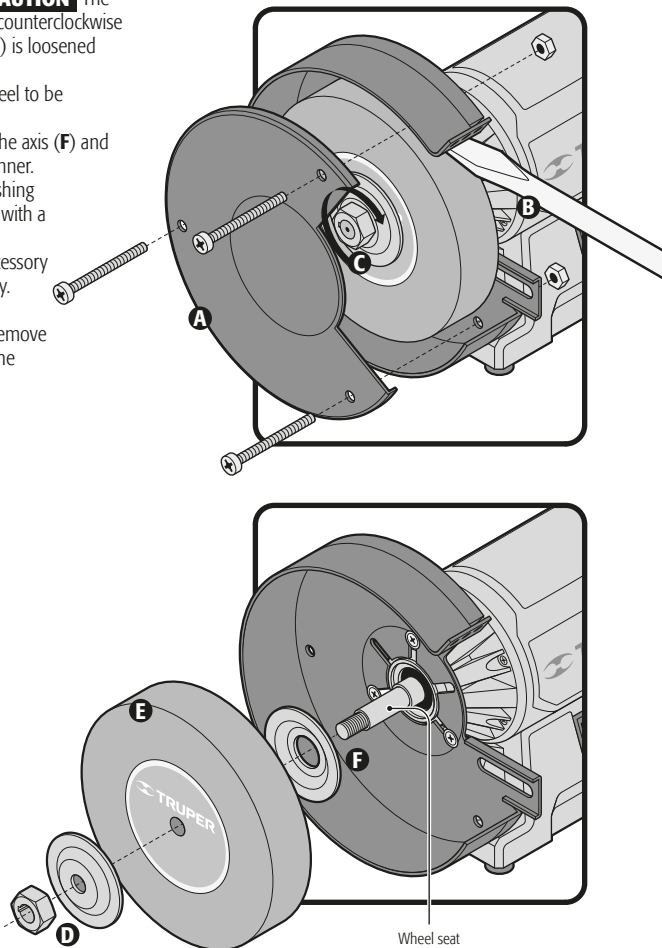
- Replace wheels only with other wheels with a speed range at least as high as the r/min indicated on the machine label and with a 1/2" axis orifice.
- The disc diameter shall be 5" and the maximum thickness 5/8".
- Double check the new wheels have no cracks and keep the sequence of both.
- Remove the wheel guard loosening and removing its three screws (A).
- Using a tool hold the wheel firmly to prevent it from moving (B) and loosen the axis nut. **CAUTION** The right-hand disc nut gets loose turning in a counterclockwise direction and the left-hand side disc nut (C) is loosened turning in a clockwise direction.
- Remove the outer flange (D) and the wheel to be replaced (E).
- To set correctly, set the new wheel onto the axis (F) and repeat the described steps in a reverse manner.
- The tool can be set with most of the polishing and buffing wheels available in the market with a maximum diameter of 5".

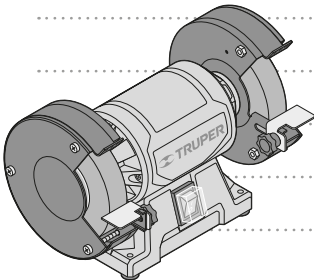
WARNING • Using any different accessory is not advisable and can cause severe injury.

WARNING • Do not use pliers or clamping tools on the axle of the shaft to remove the stones. Any damage to the surface of the wheel seat can result in excessive machine vibration.

Grinding Wheel Care

- Due to usage the wheel may crack, striate, get round-edged, chip, get unbalanced or get stuck with material. If the wheels show cracks, they must be replaced immediately. The other conditions can be fixed with a honing tool (available in most of the hardware stores).
- New wheels may need to be honed again to round them off.





In the event of any problem contacting a  **TRUPER** Authorized Service Center, please see our webpage www.truper.com to get an updated list, or call our toll-free numbers **800 690-6990** or **800-018-7873** to get information about the nearest Service Center.

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Code	Model	Brand
12784	EBA-5	 TRUPER®

Warranty. Duration: 1 year. Coverage: parts, components and workmanship against manufacturing or operating defects, except if used under conditions other than normal; when it was not operated in accordance with the instructive; was altered or repaired by personnel not authorized by **Truper®**. To make the warranty valid, present the product, stamped policy or invoice or receipt or voucher, in the establishment where you bought it or in Corregidora 35, Centro, Cuauhtémoc, CDMX, 06060, where you can also purchase parts, components, consumables and accessories. It includes the costs of transportation of the product that derive from its fulfillment of its service network. . Phone number **800-018-7873**. Made in China. Imported by Truper, S.A. de C.V. Parque Industrial 1, Parque Industrial Jilotepec, Jilotepec, Edo. de Méx. C.P. 54257, Phone number 761 782 9100.

Stamp of the business. Delivery date:

