

Manual

Belt sander

1.6 Hp

Power

4" x 24"

Sanding belt

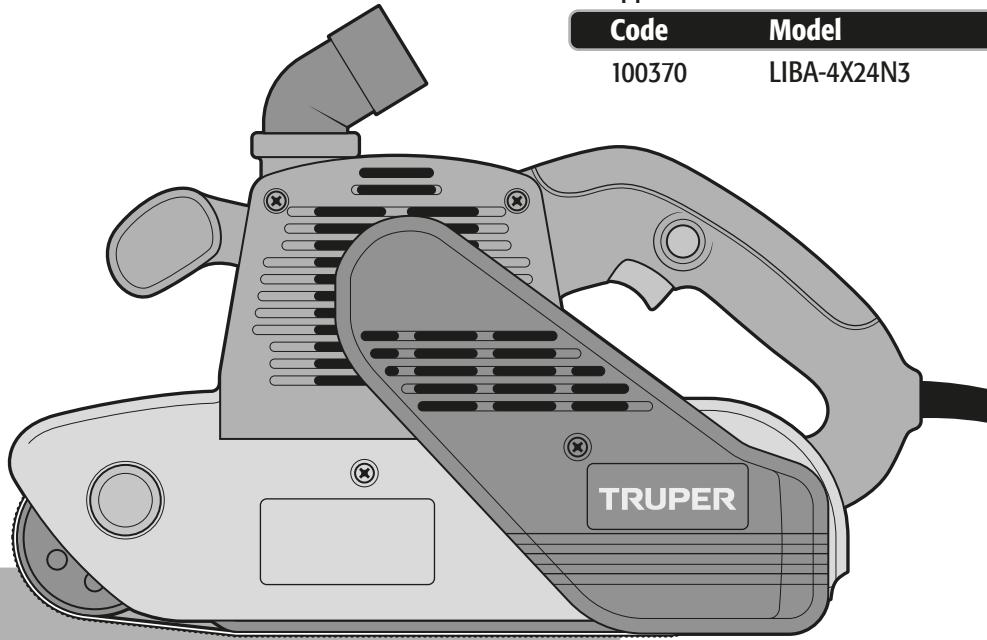
Applies for:

Code

100370

Model

LIBA-4X24N3



LIBA-4X24N3

CAUTION



Read this manual thoroughly
before using the tool.



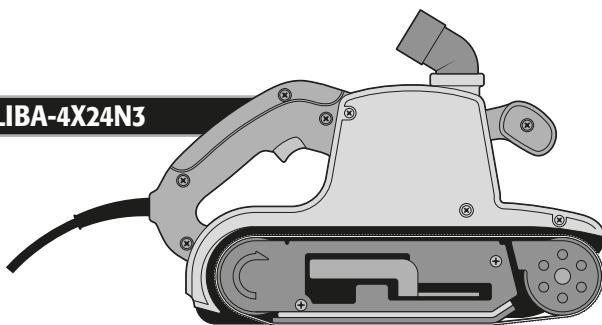
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CAUTION

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.



LIBA-4X24N3

Code	100370
Description	Belt sander
Sanding belt	4" x 24"
Voltage	127 V~
Frequency	60 Hz
Current	9.4 A
Power	1.6 Hp
Speed	1 640 ft/min
Duty cycle	50 minutes work per 20 minutes idle. Maximum 6 hours per day.
Conductors	16 AWG x 2C with insulating temperature of 221 °F
Insulation	Class II
IP Grade	IP20

Power cord grips used in this product: Type "Y".

Build quality: Reinforced insulation.

Thermal insulation on motor winding: Class E.

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.

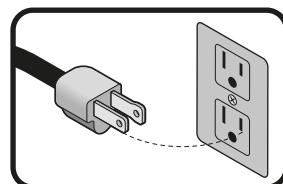
WARNING Before gaining access to the terminals all power sources should be disconnected.



Power requirements

WARNING Tools with double insulation and reinforced insulation are equipped with a polarized plug (one prong is wider than the other). This plug will only fit in the right way into a polarized outlet. If the plug cannot be introduced into the outlet, reverse the plug. If it still doesn't fit, call a qualified electrician to install for you a polarized outlet. Do not alter the plug in any way. Both types of insulation eliminate the need of both a grounded third power cord with three prongs or a grounded power connection.

WARNING When using an extension cable, 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 cable'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		18 AWG(*)	16 AWG
from 10 A and up to 13 A		16 AWG	14 AWG
from 13 A and up to 15 A	3 (one grounded)	14 AWG	12 AWG
from 15 A and up to 20 A		8 AWG	6 AWG

* It is safe to use only if the extensions have a built-in artifact for over current protection.

AWG = American Wire Gauge. Reference: NMX-J-195-ANCE

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



⚠ 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 loss of 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.

**General power tool
safety warnings**

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 or long hair may get caught in moving parts.



If you have dust extraction and collection 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.



This tool is in compliance with
the Official Mexican Standard
(NOM - Norma Oficial Mexicana).

Safety warnings for belt sanders

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Cautions with dust and residues

CAUTION • Observe the applicable regulations when sanding painted surfaces. Use special care when the paint is lead-based.

• To have a safe work environment remove dust and any other debris. When possible use a vacuum cleaner or a dust recollection extractor.

CAUTION • Everybody within the work area shall wear professional breathing devices to be protected against dust and smoke generated when sanding.

• Do not use this tool to sand pieces containing magnesium.

CAUTION • Wear  TRUPER brand professional breathing devices and cartridges suitable for working with paint dust and vapors. Regular painting masks do not offer that type of protection.

WARNING • Children and pregnant women shall not enter the work area.

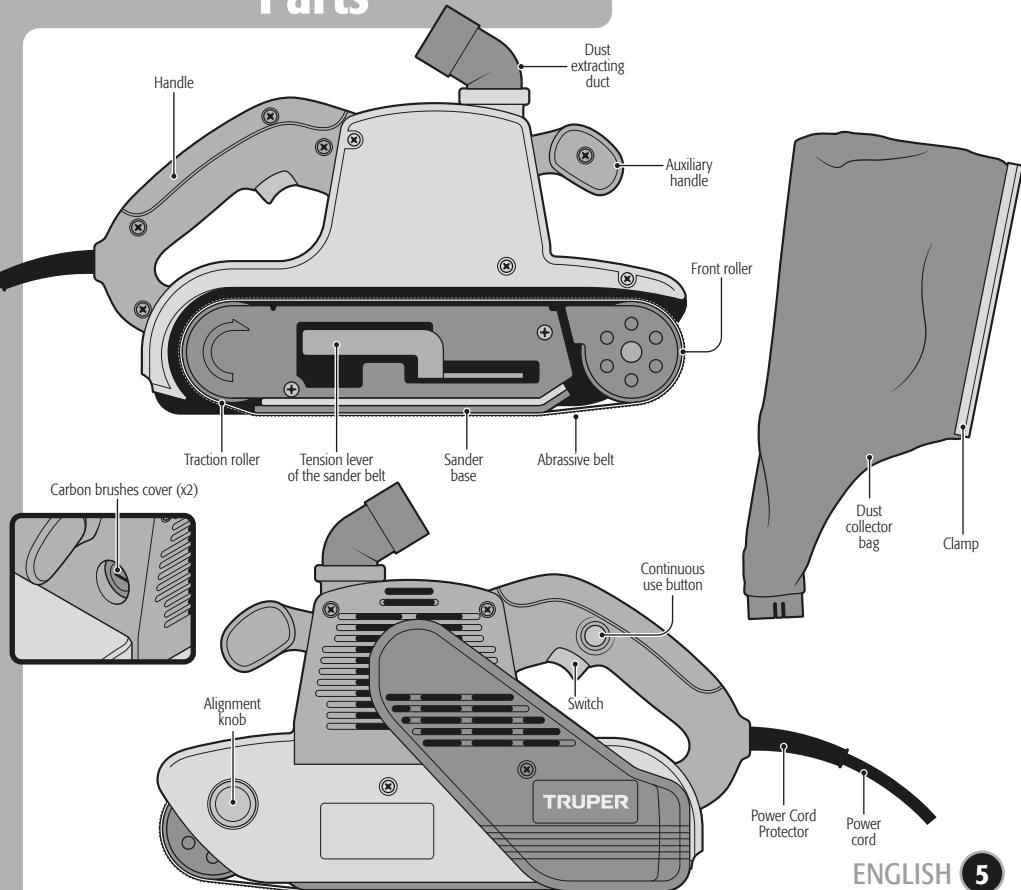
Wear adequate clothing

WARNING • Wear adequate clothes. Loose clothes, jewelry or long hair could get caught in the moving parts.

Caution with electric shock

WARNING • Hold the tool by the isolated grabbing surfaces. The belt could make contact with its own power cord. Making contact with a power conducting cable makes the metallic parts in the tool will also be charged with power and send an electric shock to the operator.

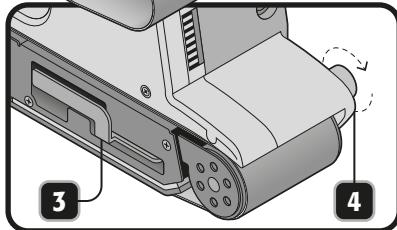
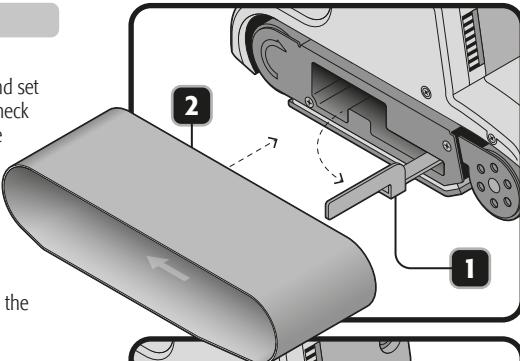
Parts



Belt set up

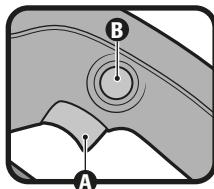
- Pull the belt tension lever until it stops.
- Choose the abrasive belt with the required grain and set it straight and centered around the rollers. Double check the arrow in the belt inner side points onto the same direction that the sander in the belt sander.
- Push the lever to set it into its initial position.
- Turn on the sander to make the belt run. While the tool is running but not making contact with any surface turn the aligning knob until the belt runs continuously in a straight way.

CAUTION The belt shall be adjusted tightly to the sander base. It shall not be loose.



Turn On and operation control

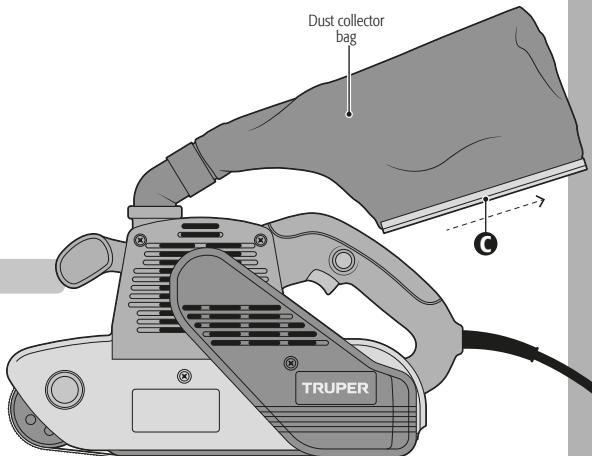
- Intermittent operation: Connect the plug to the power outlet. Press switch **(A)** to start the belt sander. To interrupt using just release the switch.
- Continuous Operation: Connect the plug to the power outlet. Press switch **(A)** and block it by pushing the continuous use button **(B)**. To stop, press and then release the switch.



Dust collector

- To prevent dust from accumulating in the belt sander and the work place use the dust extraction duct altogether with the dust collector bag or a vacuum system if needed.

- Remove the dust bag when it is half empty and pull out the fastener **(C)**. Pour out the dust and pat the bag to remove the dust stuck on the inner bag, or it will influence the following dust collecting.



Sanding

- To prevent striation of the piece start sanding with the sander running.
- Keep the sander moving to get a smooth and even job.
- Sanding consists in a backward and forward movement. Most of the job is made with the traction movement.
- Do not force the tool against the work piece. The sander's own weight generates enough pressure to make a good job. Too much pressure will tear the sander's grain, diminishing the sanding efficiency.
- Sand slowly and systematically.
- When you stop, raise the sander from the work piece before turning it off.

Metal finish

- To work on ferrous metal, like steel, stainless steel, iron, etc., use rough or fine grain belts, regarding the desired finish. Non-ferrous metal such as aluminum, tin-plate soldering, brass, bronze, etc., can also be sanded.
- To minimize the load and prolong the belts' working time use some lubricant for sanding, polishing, or for satin finish of metals. Just rub the lubricant onto the belt every now and then. Also, you can use SAE No. 10 or 20 lubricant oil to assure a smooth and scratch-less surface.

Wood finish

- Assure you are selecting  **TRUPER®** brand sanding belts with the right grain.
- For the initial sanding on an unfinished piece of wood use a belt with rough or very rough grain. Sand along the grain. Should the wood is uneven o to hard, sand diagonally (across the grain). Use care to prevent striation.
- After the preliminary operation, change the belt. Use a medium grain belt and sand along the grain. This will give a relatively smooth an even finish.
- For the final finish set a fine grain belt. Always sand along the grain to remove scratches left by the rougher belts. For a good finish use long and light passes.
- As a final touch, the experts usually set a fine sanding belt used to get a smooth surface, to fill, seal, plane or spray.

TRUPER® sanding belts

Grain	Type	Applications
36	Rough	Fast removal of material and sanding to shape wood.
40	Rough	
50	Medium	Moderate removal of material.
60	Medium	Eliminate superficial imperfections.
80	Medium	
100	Fine	Final sanding or to clean surfaces before painting or sealing.
120	Fine	

Finishing panels

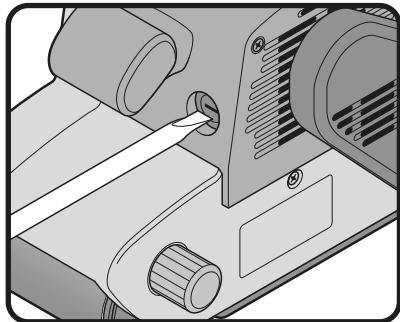
- The belt sander also removes old paint, varnish or lacquer. Please use the safety measures mentioned before. However, if the paneling is made of several layers, remove as much material as possible with a paint solvent or varnish remover before using the belt sander. Use a hand-scratcher to remove residues left by the solvent. Allow the surface to dry completely before sanding.
- For a fast removal, start with a rough grain belt.
- When you can see the raw material change to a medium grain belt to prevent from scratching it. Use short and light passes moving the sander quickly.
- Pay attention that excessive pressure or constantly sanding on the same spot will burn the panel.

Cleaning and care

- Keep the motor housing ventilation slots clean and uncovered.
- Apply compressed air after each use.
- In case of malfunctioning go only to a **TRUPER[®]** Authorized Service Center

Carbon brush replacement

- Replace worn (burnt, broken or smaller than 0.19" long) carbon brushes. Use new carbons.
- When replacing carbons always replace both carbons at the same time.
- To access the worn carbons, first remove the carbon's cover with the help of a flat screwdriver
- Place the new carbons (They should fall into the carbon holders easily and slide without getting stuck).
- Place the cover again and allow the machine to run for a few minutes without workload so that the carbon brushes adjust better.
- Use only original **TRUPER[®]** spare carbon brushes, designed specifically with the right strength and electric resistance for each type of motor. Carbon brushes with different specifications may damage the motor.



Authorized Service Centers

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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.

AGUASCALIENTES	DE TODO PARA LA CONSTRUCCIÓN GRAL. BARRAGÁN #1201, COL. GREMIAL, C.P. 20030, AGUASCALIENTES, AGS. TEL.: 449 994 0557	
BAJA CALIFORNIA	SUCRASAL TIJUANA AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL PUEBLO II, C.P. 22244, TIJUANA, B.C. TEL.: 664 969 5100	
BAJA CALIFORNIA SUR	FIX FERRETERÍAS FELIPE ÁNGELES ESQ. RUIZ CORTÍNEZ S/N, COL. PUEBLO NUEVO, C.P. 23670, CD. CONSTITUCIÓN, B.C.S. TEL.: 613 132 1115	
CAMPECHE	TORNILLERÍA Y FERRETERÍA AAA AV. ALVARO OBREGÓN #524, COL. ESPERANZA C.P. 24080 CAMPECHE, CAMP. TEL.: 981 815 2808	
CHIAPAS	FIX FERRETERÍAS AV. CENTRAL SUR #27, COL. CENTRO, C.P. 30700, TAPACHULA, CHIS. TEL.: 962 118 4083	
CHIHUAHUA	SUCRASAL CHIHUAHUA AV. SILVESTRE TERRAZAS #12-111, PARQUE INDUSTRIAL BAFAR, CARRETERA MÉXICO CUAUHTÉMOC, C.P. 31415, CHIHUAHUA, CHIH. TEL. 614 434 0052	
CIUDAD DE MÉXICO	FIX FERRETERÍAS EL MONSTRUO DE CORREGIDORA, CORREGIDORA # 22, COL. CENTRO, C.P. 06060, CUAUHTÉMOC, CDMX. TEL: 55 5522 5031 / 5522 4861	
COAHUILA	SUCRASAL TORREÓN CALLE METAL MECÁNICA #280, PARQUE INDUSTRIAL ORIENTE, C.P. 27278, TORREÓN, COAH. TEL: 871 209 68 23	
COLIMA	BOMBAS Y MOTORES BYMTESA DE MANZANILLO BLVD. MIGUEL DE LA MADRID #190, COL. 16 DE SEPTIEMBRE, C.P. 28239, MANZANILLO, COL. TEL: 314 332 1986 / 332 2013	
DURANGO	TORNILLOS ÁGUILA, S.A. DE C.V. MAZURIJO #200, COL. LUIS ECHEVERRÍA, DURANGO, DGO.TEL.: 618 817 1946 / 618 818 2844	
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HIDALGO	FERREPRECIOS S.A. DE C.V. LIBERTAD ORIENTE #304 LOCAL 30, INTERIOR DE PASAJE ROBLEDO, COL. CENTRO, C.P. 43600, TULANCINGO, HGO. TEL: 775 753 6615 / 775 753 6616	
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NUEVO LEÓN	SUCRASAL MONTERREY CARRETERA LAREDO #300, 1B MONTERREY PARKS, COLONIA PUERTA DE ANÁHUAC, C.P. 66052, ESCOBEDO, NUEVO LEÓN, TEL.: 81 8352 8791 / 81 8352 8790	
OAXACA	FIX FERRETERÍAS AV. 20 DE NOVIEMBRE #910, COL. CENTRO, C.P. 68300, TUXTEPEC, OAX. TEL: 287 106 3092	
PUEBLA	SUCRASAL PUEBLA AV. PERIFÉRICO #2-A, SAN LORENZO ALMECATLA, C.P. 72710, CUATLACINGO, PUE. TEL: 222 282 8282 / 84 / 85 / 86	
QUERÉTARO	ARU HERRAMIENTAS S.A. DE C.V. AV. PUERTO DE VERACRUZ #110, COL. RANCHO DE ENMEDIO, C.P. 76842, SAN JUAN DEL RÍO, QRO. TEL.: 427 268 4544	
QUINTAÑA ROO	FIX FERRETERÍAS CARRETERA FEDERAL MZ. 46 LT. 3 LOCAL 2, COL. EJIDAL, C.P. 77100 PLAYA DEL CARMEN, Q.R. TEL: 984 267 3140	
SAN LUIS POTOSÍ	FIX FERRETERÍAS AV. UNIVERSIDAD #1850, COL. EL PASEO, C.P. 78320, SAN LUIS POTOSÍ, S.L.P. TEL: 444 822 4341	
SINALOA	SUCRASAL CULIACÁN AV. JESÚS KUMATE SUR #4301, COL. HACIENDA DE LA MORA, C.P. 80143, CULIACÁN, SIN. TEL.: 667 173 9139 / 173 8400	
SONORA	FIX FERRETERÍAS CALLE 5 DE FEBRERO #517, SUR LT. 25 MZ. 10, COL. CENTRO, C.P. 85000, CD. OBREGÓN, SON. TEL: 644 413 2392	
TABASCO	SUCRASAL VILLAHERMOSA CALLE HELIO LOTES 1, 2 Y 3 MZ. #1, COL. INDUSTRIAL, 2A ETAPA, C.P. 86010, VILLAHERMOSA, TAB. TEL: 993 353 7244	
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YUCATÁN	SUCRASAL MÉRIDA CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAY, MPIO. UMÁN, C.P. 97390, MÉRIDA, YUC. TEL: 999 912 2451	

Code**Model****Brand**

100370

LIBA-4X24N3

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Warranty. Duration: 5 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, only present the product in the establishment where you bought it or in Corregidora 22, Centro, Cuauhtémoc, CDMX, 06060, where you can also purchase parts, components, consumables and accessories. The costs of transportation of the product that derive from its fulfillment of its service network are included. **Truper will not require any proof of purchase to make the warranty effective.** 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: