



TRUPER INDUSTRIAL 15399 Variable Speed Random Orbit Sander Instruction Manual

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TRUPER INDUSTRIAL 15399 Variable Speed Random Orbit Sander



Product Information

The LIRO-5N is a variable speed random orbit sander with a power output of 0.34 Hp and 7,000-13,000 OPM speed. It is designed for sanding disc with code 15399 and has a duty cycle of 50 minutes work per 20 minutes rest with a daily maximum of 6 hours. The tool is classified as Class II with an IP20 grade for insulation. It has a power cord grip of Type Y and reinforced insulation build quality. The motor winding has thermal insulation of Class H. The product comes with a user manual that contains technical data, power requirements, general power tool safety warnings, safety warnings for orbit sander, parts, preparation, start-up, maintenance, authorized service centers, and warranty policy.

Product Usage

Before operating the LIRO-5N, it is important to read and understand the user manual thoroughly. The manual contains important information about technical data, power requirements, general power tool safety warnings, safety warnings for orbit sander, parts, preparation, start-up, maintenance, authorized service centers, and warranty policy.

When using the product, ensure that the work area is clean and well-lit to avoid accidents. Remove any wrench or vice before turning on the power tool to prevent personal injuries. It is important to note that the LIRO-5N should not be exposed to rain, liquids or dampness. When using an extension cable with the product, ensure that the gauge is enough for the power that the product needs. The table in the user manual shows the right size to use depending on the cable's length and the ampere capability shown on the tool's nameplate.

It is important to disconnect all power sources before gaining access to the terminals. When the power cable gets damaged, it should only be replaced by the manufacturer or at an authorized service center to avoid the risk of electric shock or severe injury. The build quality of the electric insulation is altered if spills or liquid gets into the tool while in use.

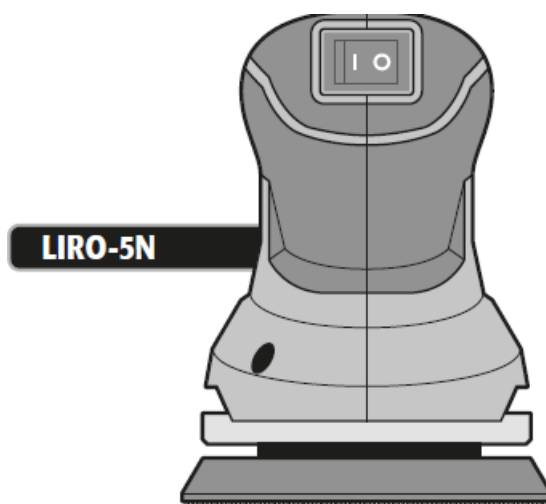
Keep this manual for future references and contact an authorized service center for maintenance and repair. The warranty policy is also included in the user manual.

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

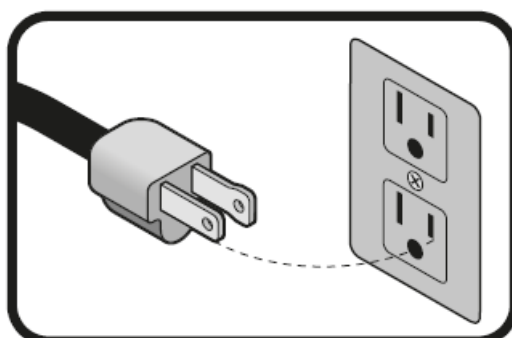
LIRO-5N			
Code	•	15399	
Description	•	Variable speed random orbit sander	
Base	•	5"	
Voltage	•	127 V~	
Frequency	•	60 Hz	
Current	•	2 A	
Power	•	0.34 Hp	
Speed	•	7 000 OPM - 13 000 OPM	
Dust collection	•	Yes	
Duty cycle	•	50 minutes work per 20 minutes rest. Daily maximum, 6 hours.	
Conductors	•	18 AWG x 2C with insulating temperature of 221 °F	
Insulating	•	Class II	IP Grade • IP20
Orbit Diameter	•	0.1"	Eccentricity • 0.05"

Power cord grips used in this product: Type "Y". Build quality: Reinforced insulation.
Thermal insulation on motor winding: Class H.

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 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 eliminates 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	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

* 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 grounded extension cable labeled “For Outdoors Use”. These extensions are specially designed for operating outdoors and reduce the risk of electric shock.

General power tool safety warnings

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 loosing 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 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 using only identical spare parts.

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

Safety warnings for orbit sander

CAUTION

- Observe the applicable regulations when sanding painted surfaces. Use special care when the paint is lead-based.
- Remove dust and any other type of debris to assure a safe working environment. When possible use a vacuum cleaner or a dust extractor.

CAUTION

- To be protected against dust and smoke generated when sanding everybody in the work area should wear a professional breathing mask.
- Do not use this tool for sanding pieces containing magnesium.
- After long work cycles the metallic outer parts and accessories may get hot.

CAUTION

- Wear professional breathing mask and cartridges suited for paint dust and vapors. Regular painter masks do not offer the right protection.

WARNING

- Do not allow children and pregnant women enter the work area.

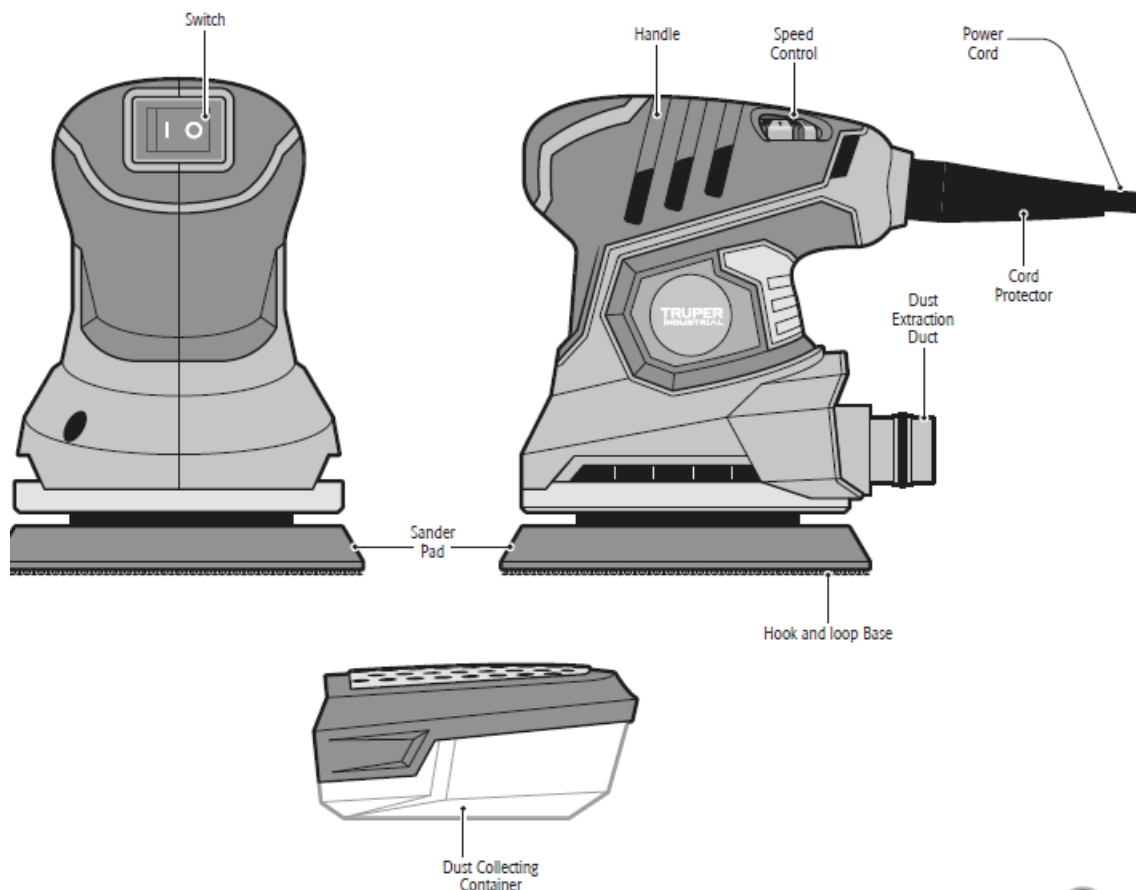
WARNING

- Remove the dust collecting container before sanding metal. Sparks may ignite dust and the inner pouch.
- Do not use worn or ripped sanding sheets.
- Do not touch the sandpaper when moving.
- Before sanding, double-check all foreign objects such as nails or screws are removed from the work piece.

WARNING

- Hold the tool by the insulated grip, as the sander could make contact with its own power cord. Contact with a power cord makes the metal parts of the tool also have current and may result in a shock to the operator.

Parts



Preparation

Sanding Disc Selection

- Grains available vary from very coarse to very fine.
- Coarse grain is used to sand rough surfaces, medium grain, for light work and fine grain is for smooth finish.
- It is advisable to carry out tests over a disposable piece to determine the adequate grain for a particular job.
- Do not use the same disc for wood and for metal. Metal particles can get embedded in the sanding and ill-treat a wooden surface.

Installing a Sanding Disc

WARNING Always double check the sander is off and disconnected from the power supply before installing the sandpaper.

- Select the right sanding grain.
- Remove dust and debris from the pad and its hook and loop base (A).

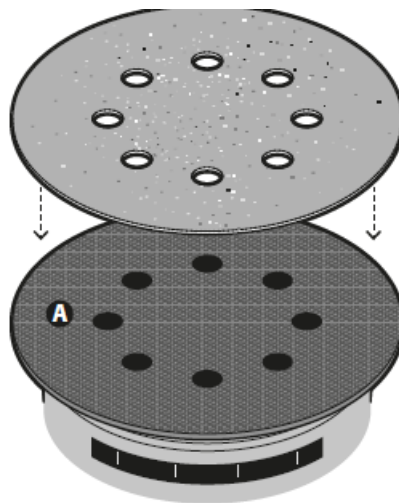
- Align the sanding disc orifices with the orifices in the pad. Press firmly.
- To remove the sanding disc tear it out from its base (B).

CAUTION

- Clean regularly dust accumulated in the hook and loop base. Do not wait for the disc to be completely worn out before replacing it. Otherwise, the hook and loop base can get damaged and will lose adherence with the sandpaper.

CAUTION

- The hook and loop base is considered as a consumable and is not covered by the Warranty.

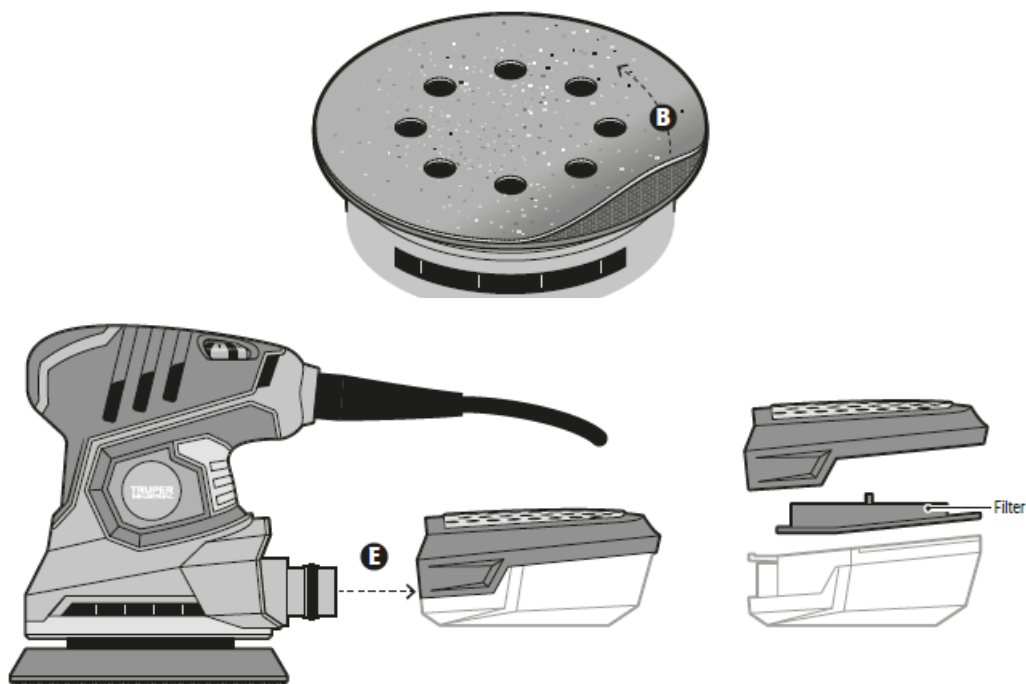


Dust Extraction

- Before connecting the tool to the power supply, adjust the dust collecting container into the dust extraction duct in the rear of the sander (E).
- For optimum dust extraction, remove and empty the container when it is half-full and disassemble it to clean the filter.
- Use the container when sanding wood.
- Do not use when sanding metal. The metal particles could ignite the residual wood dust or the inner pouch.
- Make sure to regularly clean the dust accumulated in the container and the hook and loop base.

Grain: Type

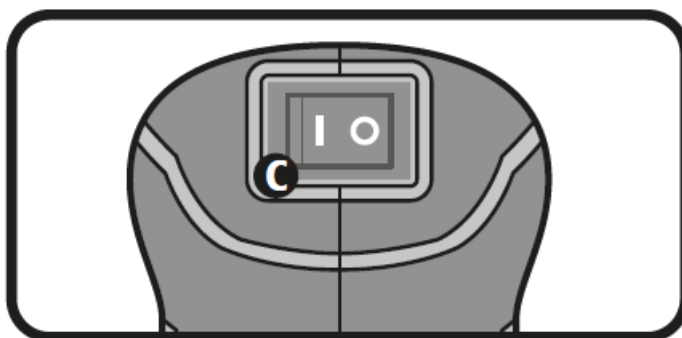
- 60 or lower very coarse
- 80 – 100 coarse
- 120 – 150 medium
- 180 – 220 fine
- 240 or higher very fine



Start up

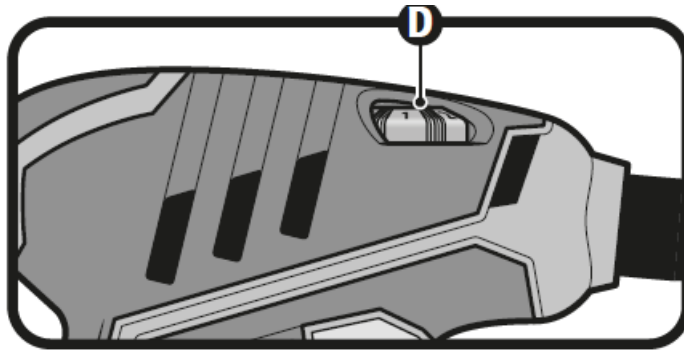
Switch On

- Connect the plug into the power outlet.
- To start the tool, press switch (C) into the ON position (I).
- To shut off the tool, press the switch to the opposite side.
- Do not start the tool when the sander surface is onto Before shutting off the machine, keep it away from the work piece.



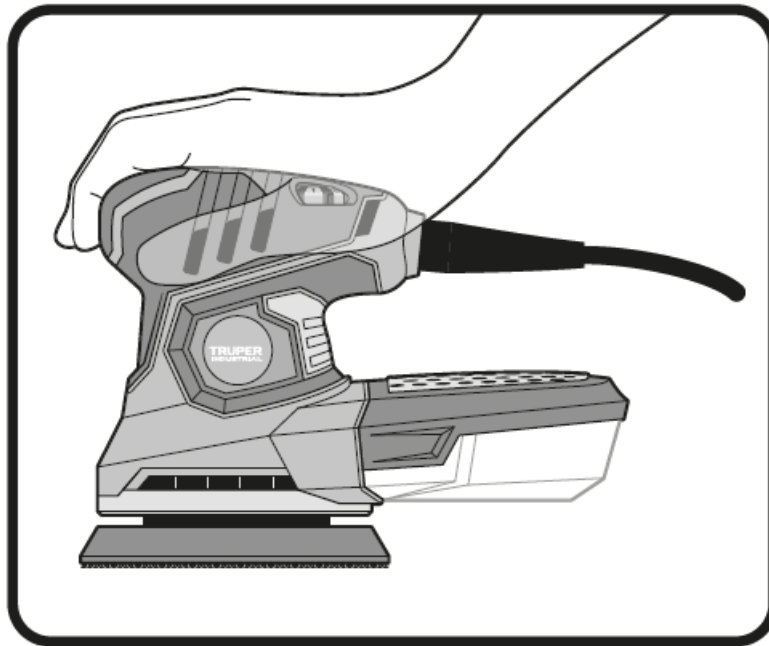
Speed Control

- Depending on the job to be carries out, adjust the sanding speed with the speed control (D).



This sander was designed to sand wood, metal, plastic and similar materials. Can be used for repetitive sanding jobs and finishing. Due to its size, is ideal for final jobs.

Sander Operation



- Switch on the sander before setting it onto the work piece.
- Keep the sander base parallel to the work piece surface.
- Press lightly downwards onto the work piece. Make circular movements. Be sure the full sanding area is supported on the work piece.
- Ensure the pressure is moderated. Do not force the sander. Make it work at a reasonable speed. If too much pressure is applied, the motor speed could be slower due to overheating. It could cause insufficient sanding and damage to the motor.
- If after sanding, the surface is still showing marks, sand again with a coarser grain to eliminate the marks. Replace the sanding disc with the next one and finish sanding. Or, replace the worn sanding disc with a new one.
- Do not let the sanding disc be totally worn out. Replace it before this happens.

Maintenance

Cleaning and Care

Always keep the ventilation slots in the motor housing clean and free of obstructions. After each use apply compressed air.

In the event of malfunctioning go only to a Authorized Service Center.

Carbon Brush Replacement

- Carbon brushes need to be checked regularly and when worn, replaced in a Authorized Service Center.
- After the carbons have been replaced, ask the technician to inspect if they run freely in the carbon housing and to let run the machine 5 minutes to make even the contact of carbon and commutator.
- Use only original spare carbon brushes, designed specifically with the strength and electric resistance fit for each type of motor. Carbon brushes that are out of specifications may damage the motor.
- When replacing carbon brushes always change both pieces.

Authorized Service Centers

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 0537

BAJA CALIFORNIA

SUCURSAL TIJUANA

AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL FLORIDO 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. ÁLVARO OBREGÓN #324, 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

SUCURSAL CHIHUAHUA

AV. SILVESTRE TERRAZAS #128-11, 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 # 35, COL. CENTRO, C.P. 06060, CUAUHTÉMOC, CDMX.

TEL: 55 5522 5031 / 5522 4861

COAHUILA

SUCURSAL 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 8013

DURANGO

TORNILLOS ÁGUILA, S.A. DE C.V.

MAZURIO #200, COL. LUIS ECHEVERRÍA, DURANGO, DGO. TEL.: 618 817 1946 / 618 818 2844

ESTADO DE

MÉXICOSUCURSAL CENTRO JILOTEPEC

PARQUE INDUSTRIAL # 1, COL. PARQUE INDUSTRIAL JILOTEPEC, JILOTEPEC, EDO. DE MÉX. C.P. 54257

TEL: 761 782 9101 EXT. 5728 Y 5102

GUANAJUATO

CÍA. FERRETERA NUEVO MUNDO S.A. DE C.V.

AV. MÉXICO – JAPÓN #225, CD. INDUSTRIAL, C.P. 38010, CELAYA, GTO. TEL.: 461 617 7578 / 79 / 80 / 88

GUERRERO

CENTRO DE SERVICIO ECLIPSE

CALLE PRINCIPAL MZ.1 LT. 1, COL. SANTA FE, C.P. 39010, CHILPANCINGO, GRO. TEL.: 747 478 5793

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

JALISCO

SUCURSAL GUADALAJARA

AV. ADOLFO B. HORN # 6800, COL: SANTA CRUZ DEL VALLE, C.P.: 45655, TLAJOMULCO DE ZUÑIGA, JAL.

TEL.: 33 3606 5285 AL 90

MICHOACÁN

FIX FERRETERÍAS

AV. PASEO DE LA REPÚBLICA #3140-A, COL.

EX-HACIENDA DE LA HUERTA, C.P. 58050, MORELIA, MICH. TEL.: 443 334 6858

MORELOS

FIX FERRETERÍAS

CAPITÁN ANZURES #95, ESQ. JOSÉ PERDIZ, COL. CENTRO, C.P. 62740, CUAUTLA, MOR.

TEL.: 735 352 8931

NAYARIT

HERRAMIENTAS DE TEPIC

MAZATLAN #117, COL. CENTRO, C.P. 63000, TEPIC, NAY. TEL.: 311 258 0540

NUEVO LEÓN

SUCURSAL MONTERREY

CARRETERA LAREDO #300, 1B MONTERREY PARKS, COLONIA PUERTA DE ANÁHUAC, C.P. 66052,

ESCOBEDO, NUEVO LEON, 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

SUCURSAL PUEBLA

AV PERIFÉRICO #2-A, SAN LORENZO ALMECATLA,

C.P. 72710, CUAUTLACINGO, 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

QUINTANA ROO

FIX FERRETERÍAS

CARRETERA FEDERAL MZ. 46 LT. 3 LOCAL 2, COL EJIDAL, C.P. 77710 PLAYA DEL CARMEN, Q.R.

TEL.: 984 267 3140

SAN LUIS

FIX FERRETERÍAS

AV. UNIVERSIDAD #1850, COL. EL PASEO, C.P. 78320, SAN LUIS POTOSÍ, S.L.P. TEL.: 444 822 4341

SINALOA

SUCURSAL 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

SUCURSAL VILLAHERMOSA

CALLE HELIO LOTES 1, 2 Y 3 MZ. #1, COL. INDUSTRIAL, 2A ETAPA, C.P. 86010, VILLAHERMOSA, TAB.

TEL.: 993 353 7244

TAMAULIPAS

VM ORINGS Y REFACCIONES

CALLE ROSITA #527 ENTRE 20 DE NOVIEMBRE Y GRAL. RODRÍGUEZ, FRACC. REYNOSA, C.P. 88780,

REYNOSA, TAMS. TEL.: 899 926 7552

TLAXCALA

SERVICIOS Y HERRAMIENTAS INDUSTRIALES PABLO SIDAR #132, COL . BARRIO DE SAN BARTOLOMÉ,
C.P. 90970, SAN PABLO DEL MONTE, TLAX.

TEL.: 222 271 7502

VERACRUZ

LA CASA DISTRIBUIDORA TRUPER

BLVD. PRIMAVERA. ESQ. HORTENSIA S/N, COL. PRIMAVERA C.P. 93308, POZA RICA, VER.

TEL.: 782 823 8100 / 826 8484

YUCATÁN

SUCURSAL MÉRIDA

CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAY, MPIO. UMÁN, C.P. 97390, MÉRIDA, YUC.

TEL.: 999 912 2451

Warranty policy

Code : Model

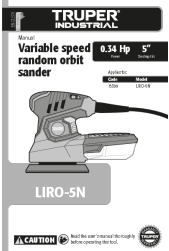
- 15399: LIRO-5N

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 35, 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:

www.truper.com

Documents / Resources

	<p>TRUPER INDUSTRIAL 15399 Variable Speed Random Orbit Sander [pdf] Instruction Manual 15399 Variable Speed Random Orbit Sander, 15399, Variable Speed Random Orbit Sander, Speed Random Orbit Sander, Random Orbit Sander, Orbit Sander, Sander</p>
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References

-  [Truper® - Es mucha herramienta](#)