

ENGLISH
ESPAÑOL

TRUPER®
INDUSTRIAL

Manual

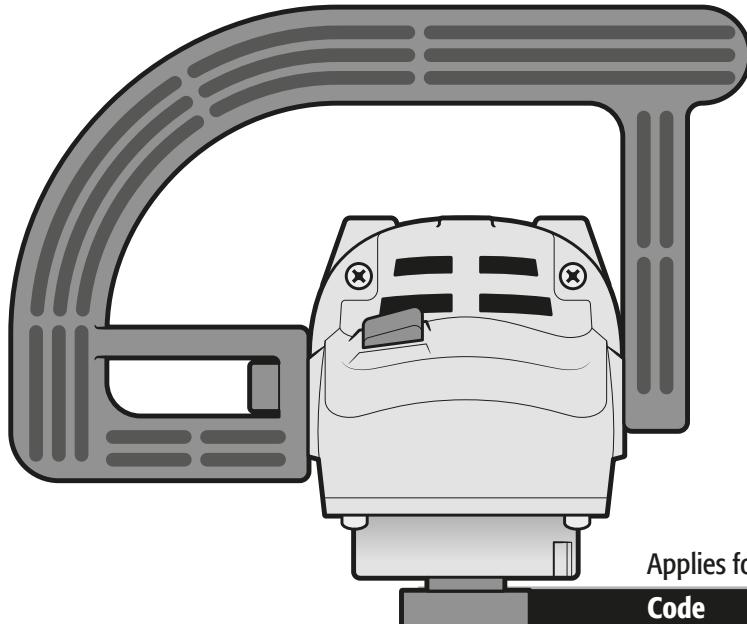
Variable speed polisher

1.6 Hp

Power

7"

Diameter



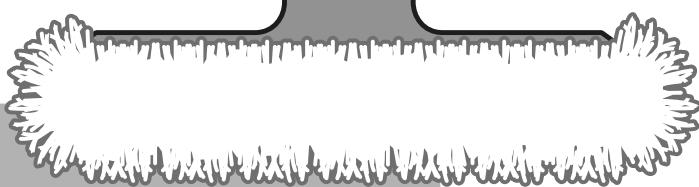
Applies for

Code

16673

Model

PULA-7N



PULA-7N



CAUTION



Read the user's manual thoroughly
before operating this tool.



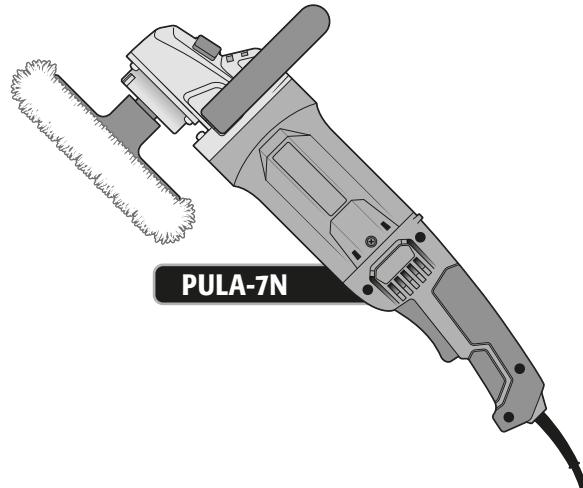
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! CAUTION

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.



PULA-7N

Code	•	16673
Description	•	Polisher
Diameter	•	7"
Voltage	•	127 V~
Frequency	•	60 Hz
Current	•	10 A
Power	•	1.6 Hp
Speed	•	960 RPM - 3 300 RPM
Duty cycle	•	Screwed thread size • 5/8-11-UNC-1A 50 minutes work per 20 minutes idle. Maximum 6 hours per day.
Conductors	•	18 AWG x 2C with insulating temperature of 221 °F
Insulation	•	Class II
		IP Grade • IP20

Power Cord Grips used in this product: Type Y.

Tool Build Quality: Reinforced insulation.

Thermal insulation on motor winding: Class H.

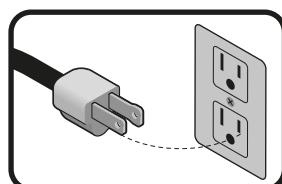
WARNING Avoid the risk of electric shock or severe injury. When the power cable gets damaged it should only be replaced by the manufacturer or at a  TRUPER® Authorized Service Center. The build quality of the electric insulation is altered if spills or liquid gets into the tool while in use. Do not expose 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 insulation types 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' to 49'	higher than 49'
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 especially 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-slip 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.

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

Safety warnings for polishers

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- This power tool is intended to function as a polishing tool. Read all safety warnings, instructions, illustrations, and specifications provided with this tool. Failure to follow the instructions below may result in electric shock, fire and/or serious injury.
- Never have the car running when using the polisher in an enclosed place.
- Before starting the polishing job, make a test. In the event the tool makes strange sounds or vibrates in an unusual way, please turn it off. Disconnect it and take it to a **TRUPER[®]** Authorized Service Center.
- It is not recommended to perform the operations such as grinding, sanding, brushing or cutting to be done with this tool. Operations for which this power tool was not designed may result in an accident and cause personal injury.
- When not in service the tool shall be turned off and disconnected.
- Prevent unexpected starting. Keep your fingers away from the On /Off switch when connecting the tool into the power outlet.
- To prevent electric shock, keep the tool dry and clean, free of any oil or grease residue.



- The assigned speed of the attachment must be at least equal to the speed marked on the power tool. Accessories that operate faster than their assigned speed may break or come off.
- Keep the power cable away from the tool trajectory while polishing. Otherwise the disc can trap and cut the cable exposing the user to electric shock.
- Do not force the tool. Hold it firmly by both handles. Do not use force downwards, otherwise the tool movement will slow down, reducing quality in the job and severely damaging the tool.
- Take good care of the tool. The job is easier if it is in good conditions.

- Never release the tool until the attachment comes to a complete stop.

The rotary attachment may catch on a surface and knock the power tool out of control.

Do not operate the power tool while carrying it beside you. Accidental contact with the rotary attachment may catch on clothing, pulling the attachment toward your body. Clean the power tool's vents regularly.

The motor fan directs dust into the housing, and excessive accumulation of metal dust can result in an electrical hazard.

- Do not use accessories which are not specifically designed and recommended by the tool manufacturer. The fact that an accessory item may fit the power tool is not an assurance of safe operation.

- Do not attach a woodworking saw blade or serrated blade. Such blades create frequent kickback and loss of control.

- The outside diameter and thickness of the accessories must be within the rated capacity of the power tool.

- Incorrectly sized fittings cannot be properly protected or controlled.

- Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

CAUTION • Do not allow any loose portion of the polishing bonnet or its attachment strings to spin freely. Tuck away or trim any loose attachment strings. Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.

CAUTION • Wear safety glasses.

- Use personal protective equipment. Depending on the application, use face shield, safety glasses. As appropriate, use a dust mask, hearing protection, gloves and workshop apron capable of stopping small abrasive fragments or pieces of work.

- Eye protection must stop the waste generated by the various operations. Dust masks or respirators must filter out the particles produced by the operation. Prolonged exposure to high intensity noise can cause hearing loss.

- Keep people present at a safe distance from the work area. Anyone entering the work area should wear personal protective equipment.

Work piece fragments or a broken attachment can become detached and cause damage beyond the immediate area of operation.

- Put the power cord away from the rotating accessory. If control of the power tool is lost, the cord may be cut or entangled and the operator's arm or hand may be pulled into the rotating accessory.

- Do not use the power tool near flammable materials. Sparks can ignite these materials.

- The mounting (installation) threads of the fittings must match the threads of the shaft (spindle). For fittings that are installed with flanges, the shaft entry hole to the fitting must match the flange diameter.

- Fittings that do not match the power tool installation devices cause imbalance, excessive vibration, and may cause loss of control.

- Do not use a damaged accessory. Inspect accessories, for example, before each use:

- 1) Check for damage and cracks.

- 2) Check the backrests for cracks, tears or excessive wear.

- 3) Check base for cracks.

- If power tool or attachment is dropped, inspect for damage or install a attachment with no damaged. After inspecting and installing an attachment, stay clear and keep people away from the plane of the rotating attachment, run the power tool at maximum speed without load for one minute.

- Damaged attachments usually break during this time.

Kickback and related warnings

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use D-Handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.

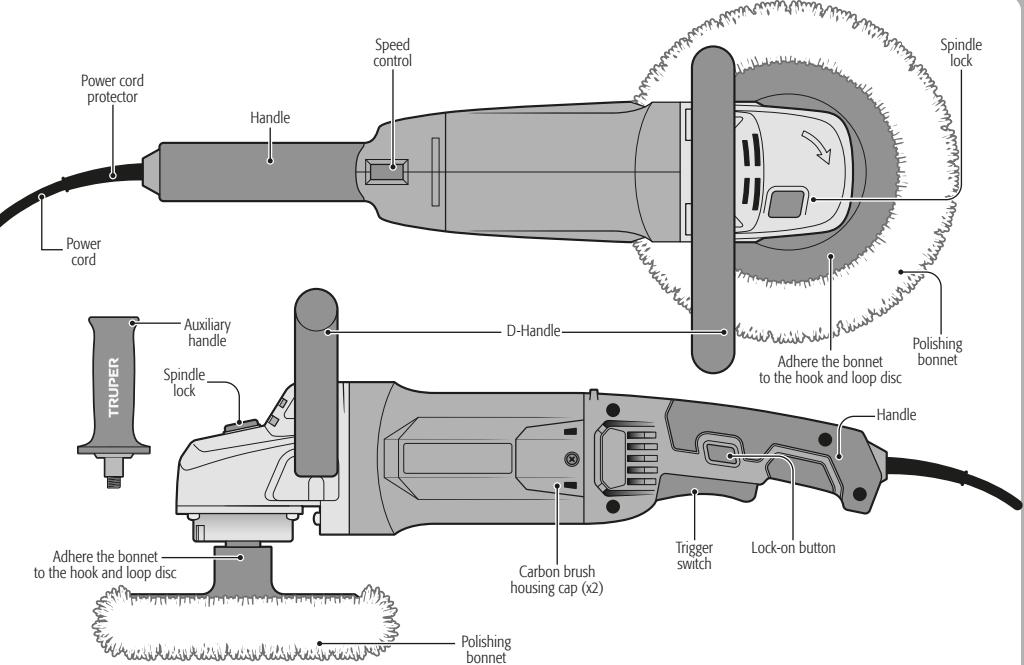
- Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.
- Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. Corners, sharp edges and

bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

- Never place your hand near the rotating attachment.

The accessories may kick back in your hand.

Parts



Assembly

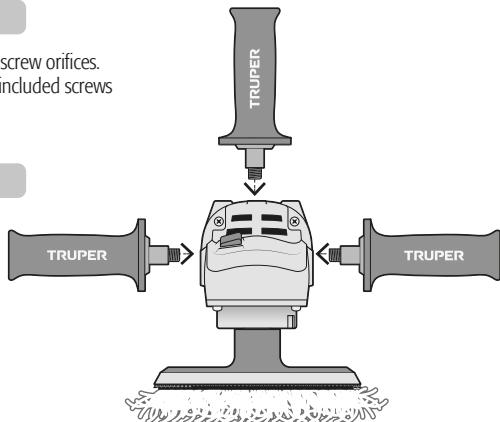
D-handle assembly

- Align the D-Handle with the polisher head and match the screw orifices.
- Screw firmly the D-Handle to the polisher head using the included screws and wrench. Suggested for polishing sides and edges.

Auxiliary handle assembly

- The auxiliary handle can be placed in any of the 3 holes.

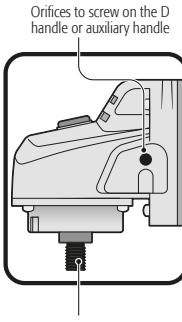
Recommended for polishing flat and wide surfaces.



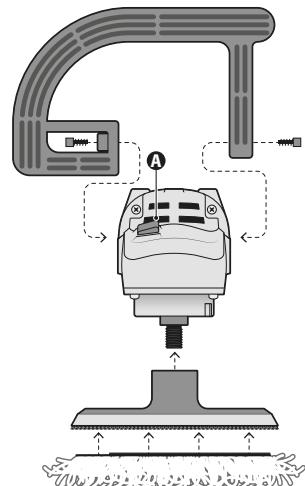
Disc Assembly

- Adhere the bonnet to the hook and loop disc.
- Press the spindle lock (**A**) and mount the disc into the polisher head. Screw it tight.
- To remove the disc, press the spindle lock and unscrew the disc.

CAUTION • The spindle lock can only be tightened when mounting or dismounting the disc. It shall never be pressed to stop the disc while polishing. Otherwise the tool may get damaged and exposes you to personal injury.



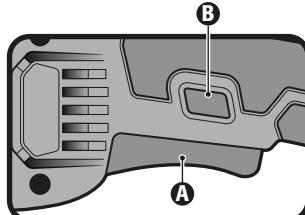
5/8-11-UNC-1A



Start up

Start up and operation control

- Intermittent operation:
Connect the plug into the power outlet.
Press switch (**A**) to start the tool.
To stop, release the switch.
- Continuous operation:
Connect the plug into the power outlet.
Press switch (**A**) and block it pressing the lock-on button (**B**).
To stop, press and release the switch.



Speed control

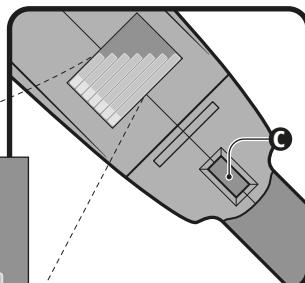
- The tool operates with different speeds. Select the speed adjusting the speed control (**C**). Refer to the speed control table (**D**) to adjust the speed control.
- As a general recommendation, use slow speeds for reduced work areas; high speeds for large surfaces. Select the speed more suitable for the job.

ATTENTION

Continuous use of the tool at low speeds for an extended period will cause motor overload and inefficient tool operation.

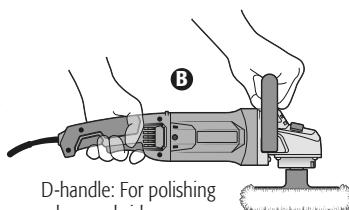
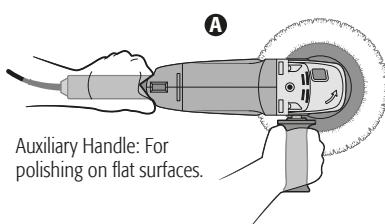
The speed control dial can only be rotated up to Max and back down to Min. Do not force it beyond Max or Min, or the speed adjustment function may cease to work.

Min	960 RPM	(D)
1	1 260 RPM	
2	1 760 RPM	
3	2 350 RPM	
4	2 750 RPM	
5	3 200 RPM	
Máx	3 300 RPM	



How to correctly hold the tool

- Always hold the tool with both hands. One hand holds the handle and the other hand holds the auxiliary handle (**A**) or type D handle (**B**). Use care not to obstruct the ventilation slots.



Polishing

- Move the polisher forwards and backwards onto the work surface. Use long strokes.
 - Keep in mind that an excessive pressure, a wrong angle or inadequate movements may cause whirl marks or burns in the finish. To prevent these, do not use high speeds when polishing small areas. Lightly press the bonnet onto the surface and keep the polisher in constant movement. Do not leave it static in one place, close to edges or when there are changes in the work surface.
 - Follow the polishing products instructions to get a high quality job.
- CAUTION** • Use care when polishing rough surfaces; with joints or twists and turns. The bonnet can get stuck. A stuck bonnet may cause loss of control over the tool and / or burning the finish. To reduce these risks use low speeds in rough surfaces. For complicated surfaces like mirrors or mouldings avoid using the tool and polish manually.
- The most common error is applying too much wax. If pad absorbs too much wax, it will not last as long, and polishing will be more difficult and will take longer.

Maintenance

- Always disconnect the tool before cleaning it.
- Never use water or other liquids. Use a brush only.
- To prevent motor overheating clean regularly the ventilation slots.
- Double-check the entire tool components are perfectly tight.
- The tool housing shall not be cracked or damaged.
- Always verify the power cord is not cut or peeled.
- After a prolonged time of use, the grease in the head shall need to be changed. Go to a **TRUPER** Authorized Service Center to service it.

Repairs

Use only spare parts and accessories recommended by the manufacturer. In the event the tool is not working take it to repairs in a **TRUPER** Authorized Service Center.

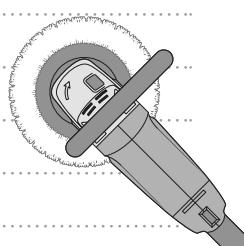
Carbon brush replacement

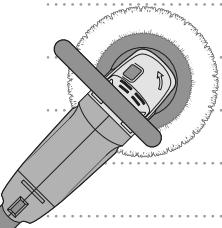
- Carbon brushes need to be replaced. Replace with new carbons when worn, burnt, broken or smaller than 0.19" long.
- When replacing always replace both carbon brushes.
- Use a screwdriver to remove the cover of the coils
- Remove worn carbon brushes off the carbon housing. Remove accumulated dust with compressed air.
- Set the new carbon brushes reversing the order. Carbons shall drop easily in the carbon housing.
- After setting the new carbons run the car polisher a few minutes with no load to get better fit.
- Use only original **TRUPER** replacement carbon brushes specifically designed with the hardness and electric resistance for each type of motor. Carbon brushes that are out of specification may damage the motor.



Storage

Neatly store the tool in a dry place and protected from dust and water .





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 0537	MORELOS	FIX FERRETERÍAS CAPITAN ANZURES #95, ESQ. JOSÉ PERDIZ, COL. CENTRO, C.P. 62740, CUAUTLA, MOR. TEL.: 735 352 8931
BAJA CALIFORNIA	SUCRAL Tijuana AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL FLORIDO II, C.P. 22244, Tijuana, B.C. TEL.: 664 969 5100	NAYARIT	HERRAMIENTAS DE TEPIC MAZATLÁN #117, COL. CENTRO, C.P. 63000, TEPIC, NAY. TEL.: 311 258 0540
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	NUEVO LEÓN	SUCRAL MONTERREY CARRETERA LAREDO #300, 1B MONTERREY PARKS, COLONIA PUERTA DE ANAHUAC, C.P. 66052, ESCOBEDO, NUEVO LEÓN, TEL.: 81 8352 8791 / 81 8352 8790
CAMPECHE	TORNILLERÍA Y FERRETERÍA AAA AV. ALVARO OBREGÓN #524, COL. ESPERANZA C.P. 24080 CAMPECHE, CAMP. TEL.: 981 815 2808	OAXACA	FIX FERRETERÍAS AV. 20 DE NOVIEMBRE #910, COL. CENTRO, C.P. 68300, TUXTEPEC, OAX. TEL.: 287 106 3092
CHIAPAS	FIX FERRETERÍAS AV. CENTRAL SUR #27, COL. CENTRO, C.P. 30700, TAPACHULA, CHIS. TEL.: 962 118 4083	PUEBLA	SUCRAL PUEBLA AV. PERIFÉRICO #2-A, SAN LORENZO ALMECATLA, C.P. 72710, CUATLACINGO, PUE. TEL.: 222 282 8282 / 84 / 85 / 86
CHIHUAHUA	SUCRAL CHIHUAHUA AV. SILVESTRE TERRAZAS #12-111, PARQUE INDUSTRIAL BAFAR, CARRETERA MÉXICO CUAHUTÉMOC, C.P. 31415, CHIHUAHUA, CHIH. TEL. 614 434 0052	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
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COLIMA	BOMBAS Y MOTORES BYMTESA DE MANZANILLO BLVD. MIGUEL DE LA MADRID #190, COL. 16 DE SEPTIEMBRE, C.P. 28229, MANZANILLO, COL. TEL: 314 332 1986 / 332 2013	SINALOA	SUCRAL CULIACÁN AV. JESÚS KUMATE SUR #4301, COL. HACIENDA DE LA MORA, C.P. 80143, CULIACÁN, SIN. TEL.: 667 173 9139 / 173 8400
DURANGO	TORNILLOS ÁGUILA, S.A. DE C.V. MAZURIÓ #200, COL. LUIS ECHEVERRÍA, DURANGO, DGO.TEL.: 618 817 1946 / 618 818 2844	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
ESTADO DE MÉXICO	SUCRAL CENTRO JILOTEPEC PARQUE INDUSTRIAL # 1, COL. PARQUE INDUSTRIAL JILOTEPEC, JILOTEPEC, EDO. DE MÉX. C.P. 54257 TEL.: 761 782 9101 EXT. 5/28 Y 5102	TABASCO	SUCRAL VILLAHERMOSA CALLE HELIO LOTES 1, 2 Y 3 MZ. #1, COL. INDUSTRIAL, 2A ETAPA, C.P. 86010, VILLAHERMOSA, TAB. TEL.: 993 353 7244
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	TAMAULIPAS	VM ORINGS Y REFAJONES CALLE ROSITA #527 ENTRE 20 DE NOVIEMBRE Y GRAL. RODRIGUEZ, FRACC. REYNOSA, C.P. 88780, REYNOSA, TAMS. TEL.: 899 926 7552
GUERRERO	CENTRO DE SERVICIO ECLIPSE CALLE PRINCIPAL MZ.1 L1. 1, COL. SANTA FE, C.P. 39010, CHILPANCINGO, GRO. TEL.: 747 478 5793	TLAXCALA	SERVICIOS Y HERRAMIENTAS INDUSTRIALES PABLO SIDAR #132, COL. BARRO DE SAN BARTOLOMÉ, C.P. 90970, SAN PABLO DEL MONTE, TLAX. TEL.: 222 271 7502
HIDALGO	FERREPRESOS 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	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
JALISCO	SUCRAL GUADALAJARA AV. ADOLFO B. HORN # 6800, COL: SANTA CRUZ DEL VALLE, C.P. 45655, TLAJOMULCO DE ZÚÑIGA, JAL. TEL.: 33 3606 5285 AL 90	YUCATÁN	SUCRAL MERIDA CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAY, MPIO. UMÁN, C.P. 97390, MERIDA, YUC. TEL.: 999 912 2451
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		

Code	Model	Brand
16673	PULA-7N	TRUPER® INDUSTRIAL

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. ZIP code. 54257, Phone number 761 782 9100.

Stamp of the business. Delivery date:



Póliza de garantía

TRUPER® INDUSTRIAL



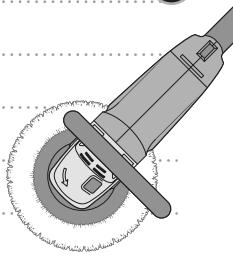
Sello del establecimiento comercial. Fecha de entrega:

Garantía. Duración: 5 años. Cobertura: piezas, componentes y mano de obra contra defectos de fabricación o fundicionamiento, excepto si se usó en condiciones distintas a las normales; cuando no fue operado conforme a las instrucciones, fue alterado o reparado por personal no autorizado por TRUPER®. Para hacer efectiva la garantía se requiere que el producto en el establecimiento donde lo compró o en Corregidora 35, Centro, Querétaro, CDMX, 06060, donde también podrá adquirir partes, componentes, consumibles y accesorios. Incluirá los gastos de transporte del producto que devra ser cumplimiento de su red de servicios no solictará ningún tipo de compensación del proveedor para hacer efectiva la garantía. TRUPER incluye los gastos de transporte del producto donde lo compra en Garantía Tel. 800-018-7873. Made in Mexico en China. Importador TRUPER, S.A. de C.V. Parque industrial 1, Parque industrial Jilotepec, Edo. de Mex. C.P. 54257, Tel. 761 782 9100.

Código	Modelo	Marcas	PUJA-ZN	INDUSTRIAL
16673				TRUPER®

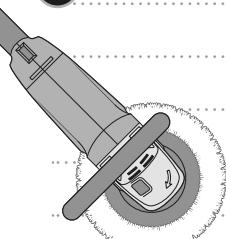
En caso de tener algún problema para contactar un Centro de Servicio Autorizado Truper®, consulte nuestra página www.truper.com donde obtendrá un listado actualizado, o llame al: 800 690-6990 ó 800 018-7873 donde le informarán cuál es el centro de servicio más cercano.

MORELOS FIX FERRETERIAS CAPITAN AZUERAS #95, E.S.Q. JOSÉ PEREZ, COL. TEL.: 753 352 9315	NEVO LEÓN SCURSAL MONTREAL CORTEFERIA LARDO #500, 1B MONTERREY PARKS, NUEVO LEÓN, TEL.: 81 3852 8791 / 81 3852 8790	NAYARIT FERREMIENTOS DE TEPIC MEXICALTAN #11, COL. CENTRO, CP 63000, TEPIC, NAY. TEL.: 311 258 0530	TAMAULIPAS VISORAS Y REFRACCIONES CALLE 5 DE FEBRERO #517, SUR II, 25 MZ., 10, COL. CENTRO, CP 88001, CD. MEXICO, SON. TEL.: 644 273 2927	SONORA FIX FERRETERIAS Avenida C.P. 80430, UACJ, IN. TEL.: 173 9139 / 173 8400	SINALOA SCURSAL CULIACÁN SAN LUIS POTOSÍ, S.L.P., TEL.: 444 222 4341 SAN LUIS POTOSÍ, S.L.P., TEL.: 444 222 4341	QUINTANA ROO FIX FERRETERIAS CARRETERA FEDERAL MZ. 46 LT. 3 LOCAL 2, COL. EJIDAL, CP. 77701, PLAYA DEL CARMEN, Q.R. TEL.: 984 273 1340	GUERRERO SCURSAL PUEBLA AV. 20 DE NOVIEMBRE #910, COL. CENTRO, CP. 63000. TUXTEPEC, OAX TEL.: 287 106 5092	OAXACA FIX FERRETERIAS AV. ALVARO OBREGÓN #324, COL. ESPERANZA CP. 20080 CAMPACHE, CAMPECH. TEL.: 181 815 2808	CHIAPAS FIX FERRETERIAS AV. SILVESTRE REYES #77, COL. CENTRO, CP. 30700, TAPACHULA, CHIS. TEL.: 962 118 4083
QUERETARO SCURSAL PUEBLA AV. HERRAMIENTAS #10, COL. RANCHO DE EMEDIO, CP. 76060, CUERNAVACA, MORELIA	QUINTANA ROO FIX FERRETERIAS CARRETERA FEDERAL MZ. 46 LT. 3 LOCAL 2, COL. EJIDAL, CP. 77701, PLAYA DEL CARMEN, Q.R. TEL.: 984 273 1340	COAHUILA SCURSAL CHIHUAHUA AV. MONTSUR DE CORREGIDORA, CORREGIDORA #35, TEL.: 55 5522 5031 / 5522 4861	MEXICO CIUDAD DE MÉXICO SCURSAL AGUILA S.A. DE C.V. COL. MONTSUR DE CORREGIDORA, CORREGIDORA #35, TEL.: 81 209 68 23	COLUMBIAS BOMBA Y MOTORES BYMTESA DE MANIZANILLO Blvd. Miguel de la Madrid #190, Col. 16 de Septiembre C.P. 28239 Manzanillo, Col. TEL.: 314 322 1986 / 322 8013	DURANGA SCURSAL AGUILA S.A. DE C.V. MAZARU #200, Col. Luis Echegaray Durango, Dgo. Col. 16 de Septiembre C.P. 28239 TEL.: 761 782 910 Ext. 5728 y 5102	ESTADO DE MÉXICO SCURSAL CENTRO ILLOTEC MTAJE #17, Col. Luis Echegaray Durango, Dgo. Col. 16 de Septiembre C.P. 28239 TEL.: 761 782 910 Ext. 5728 y 5102	GUANAJAUTA SCURSAL NUVEO MUNDO S.A. DE C.V. Av. Mexicó-Apdo. #223, Col. Industrial, C.P. 38101, Chalchihuitán, Col. Centro, C.P. 39101, TEL.: 461 67 75/8 / 79 / 80 / 88	HIDALGO ERREPRESOS S.A. DE C.V. Calle 1000 Oriente #40 Local 30, Interior de Pasa Roble, C.P. 45600 Tlaxco, Tlax., C.P. 45600, TEL.: 775 365 6615 / 775 365 6616	MICHOACÁN SCURSAL GUADALAJARA Av. Paseo de la Republica #340-A, Col. Santa Cruz Del Valle, C.P. 45655 Tlaxco, Tlax., C.P. 45600, Morelia, TEL.: 33 3606 5285 AL 90
GUERRERO ERREPRESOS S.A. DE C.V. Calle 1000 Oriente #40 Local 30, Interior de Pasa Roble, C.P. 45600 Tlaxco, Tlax., C.P. 45600, TEL.: 775 365 6615 / 775 365 6616	JALISCO SCURSAL GUADALAJARA Av. ADOLEFO B. HORN #880, Col. Santa Cruz Del Valle, C.P. 45655 Tlaxco, Tlax., C.P. 45600, Morelia, TEL.: 33 3606 5285 AL 90	MICHOACÁN SCURSAL GUADALAJARA Calle 1000 Oriente #40 Local 30, Interior de Pasa Roble, C.P. 45600 Tlaxco, Tlax., C.P. 45600, Morelia, TEL.: 775 365 6615 / 775 365 6616	MICHOACÁN SCURSAL GUADALAJARA Calle 1000 Oriente #40 Local 30, Interior de Pasa Roble, C.P. 45600 Tlaxco, Tlax., C.P. 45600, Morelia, TEL.: 775 365 6615 / 775 365 6616	MICHOACÁN SCURSAL GUADALAJARA Calle 1000 Oriente #40 Local 30, Interior de Pasa Roble, C.P. 45600 Tlaxco, Tlax., C.P. 45600, Morelia, TEL.: 775 365 6615 / 775 365 6616					



Notas

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Notas

Almácate la hermandad ordenadamente en un lugar seco y protegida de polvo y agua.

Almacenamiento

- Es necesario reemplazar los estabilizadores de carbonos que se han desgastado para quitar la taza de los carbonos.
 - Reírse los carbonos desgastados del portacarbonos y reírse el polvo acumulado con aire comprimido.
 - Colocar los carbonos nuevos invertiendo el orden. Los carbonos deben caer en los portacarbonos facilitando su instalación.
 - Después de colocar los carbonos nuevos, permitir que la herramienta funcione durante 10 minutos sin carga de trabajo para que los carbonos enganjen un mejor sistema.
 - Si bien es deseable usar carbonos para el motor. Los carbonos pueden dañar el motor. Los carbonos fuera de especificaciones pueden dañar el motor.



Cambio de carbones

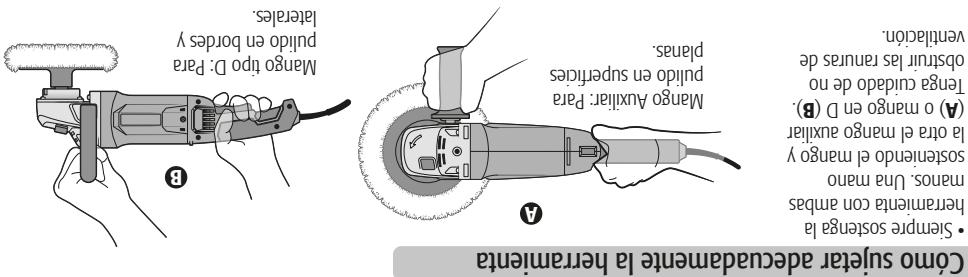
Unicamente refeacciones y accesorios recomendados por el fabricante. En caso de que la herramienta no funcione debiera ser reparada por algún Centro de Servicio Autorizado C TRUPER.

Reparacion

- Deseconchecé siempre la herramienta antes de proceder a limpiarla.
 - Nunca utilice agua u otros líquidos, solamente utilice un cepillo.
 - Para evitar que se desprendan los componentes de la herramienta, deseconchecé la máquina de ventilación de manera regular.
 - Revise que todos los componentes de la herramienta estén bien fijos.
 - La carcasa no debe estar cubierta o dañada.
 - Siempre revise que no esté cortado o pedado.
 - Despues de uso prolongado la grasa de la cabeza de la herramienta debe de ser cambiada en un Centro de Servicio.

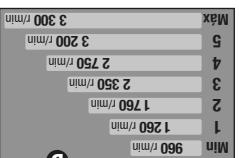
Mantenimiento

Pundi opii



Como sujetar adecuadamente la herramienta

No lo fuerce más allá de Max 6 Min o la función de ajuste de velocidad dejar de funcionar. El diál de control de velocidad solo se puede girar hasta Max 6 Min.



• La herramienta de motor un funciónamiento deficiente sobrecarga del motor por tiempo prolongado provocará la de la herramienta.

• El uso continuo de la herramienta a bajas velocidades durante un tiempo prolongado provoca dañar el motor.

Aviso

• Adapte mejor a las condiciones de trabajo.

• Para áreas que requieren velocidades bajas para áreas que requieren velocidades altas adapte las velocidades geras.

• Generamente se recomienda velocidad media entre 1760 y 2250 rpm. Seleccione una velocidad control de velocidad (C) de acuerdo a su uso.

• La herramienta puede operarse a distintas velocidades. Estas se

Control de velocidad

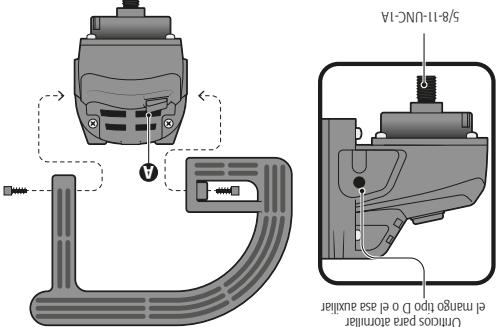
Para interrumpir su funciónamiento, presione y desplace suelte el interruptor. Presione el interruptor (A) y bloquee, apretando el botón de uso continuo (B).

• Operación continua: Conecte la clavija al tomacorriente. Para interrumpir su uso, simplemente suelte el interruptor.

• Operación intermitente: Conecte la clavija al tomacorriente. Para hacer que la herramienta empiece a funcionar.

Encendido y control de operación

Puesta en marcha



• Exponerse a lesiones personales.

• Desatornille el disco. El segurado del eje solo debe de apretado para frenar el disco durante la operación de pulido, de lo contrario puede dañar la herramienta de pulido.

• Asegure el mango tipo D o de asa auxiliar.

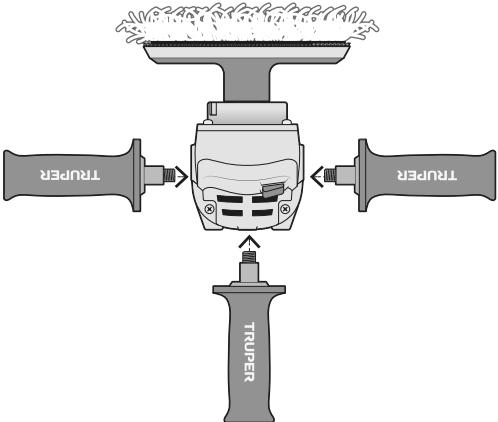
• Para retirar el disco presione el segurado del eje y

• Asegure la barra al disco con llave hook and loop.

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• Asegure la barra al disco con llave hook and loop.

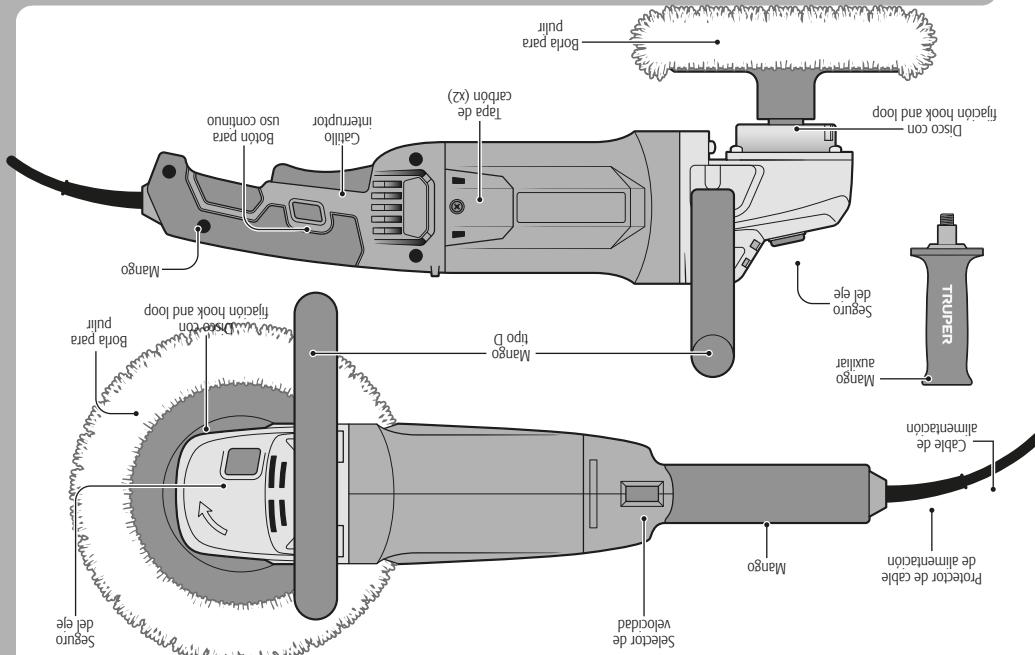
Montaje del disco



- Alinee el mango tipo D a la cabeza de la pulidora y coloque en la parte frontal de la pulidora.
 - Alinee el mango tipo D a la cabeza de la pulidora y coloque en la parte frontal de la pulidora.
 - Recomendable para pulido de superficies curvadas de los 3 orificios.
 - El mango auxiliar se puede colocar en planas y amplias.

Montaje del mango tipo D

Preparación



Partes



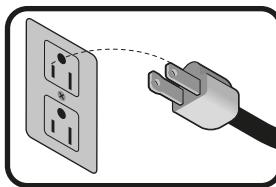
ADVERTENCIA Al operar herramientas eléctricas en exteriores, utilice una extensión especializada para el uso en exteriores y reduzca el riesgo de sufrir una descarga eléctrica.

AWG = Calibre de alambre estadounidense (American Wire Gauge). Referencia: NM-B-195-ANCE. * Se permite utilizar siempre que las extensiones mismas estén conectadas en un tramo continuo sin interrupciones.

de 0 A hasta 10 A	16 AWG(*)	18 AWG	14 AWG	12 AWG	10 AWG	8 AWG	6 AWG
de 10 A hasta 13 A	16 AWG	14 AWG	12 AWG	10 AWG	8 AWG	6 AWG	5 (uno a tierra)
de 13 A hasta 20 A	16 AWG	14 AWG	12 AWG	10 AWG	8 AWG	6 AWG	5 (uno a tierra)
de 15 A hasta 20 A	16 AWG	14 AWG	12 AWG	10 AWG	8 AWG	6 AWG	5 (uno a tierra)
Capacidad en Amperes	Número de conductores	Calibre de extensión	de 18 m a 15 m				

duales uses el siguiente calibre más alto.

dependerá de la longitud del cable y de la capacidad de amperes que debe usarse para la extensión. La siguiente tabla muestra el rango de corriente que resulta de la conexión entre la extensión y el motor. La conexión entre la extensión y el motor debe ser lo suficiente para transportar la corriente que



ADVERTENCIA Al usar un cable de extensión, asegúrese de usar el calibre suficiente para transportar la corriente que

debe ser desconectado. Si tiene la intención de conectar más de un dispositivo eléctrico con conexión a tierra, debe instalar el eliminador de conexión de tierra en el cable de conexión de tres partes con conexión a tierra o de un sistema de conexión eléctrica con conexión a tierra.

calificado o instalado por un electricista licenciado. No tire la cubierta ni toque alguna parte. Los cables de conexión deben ser desenchufados y solo pueden conectarse en un receptáculo que no esté en uso. Si la clavija no cabe en su clavijero, retirelo. Si aún así no cabe, póngase en contacto con un electricista.

existen equipos con una clavija polarizada y solo acepta una forma. Si la clavija no cabe en su clavijero, retirela y solo reemplázala por otra. Esta clavija es útil para proteger el dispositivo de sobrecorriente y descarga eléctrica.

Reducirimientos eléctricos

ADVERTENCIA Antes de obtener acceso a las terminales, todos los circuitos de alimentación deben ser desconectados.

ADVERTENCIA Las herramientas de doble aislamiento y aislamiento reforzado

ADVERTENCIA Si el cable de alimentación se daña, este debe ser reemplazado por el fabricante o Centro de Servicio Autorizado **TRUEPER**. Con el fin de evitar algún riesgo de descarga eléctrica de esta herramienta es altamente peligroso desarmarla o alterarla por separado.

La construcción de aislamiento eléctrico de esta herramienta es adecuada para su uso en humedad.

La clase de aislamiento térmico de los devanados del motor Clase H.

El cable de alimentación tiene sujetacables tipo Y.

ADVERTENCIA Si el cable de alimentación se daña, este debe ser reemplazado por el fabricante o Centro de Servicio Autorizado **TRUEPER**.

La clase de construcción de la herramienta es: Aislamiento reforzado.

La construcción de aislamiento térmico de los devanados del motor Clase H.

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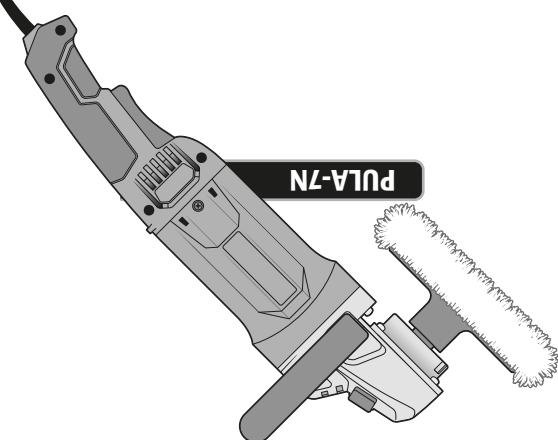
PUL-A-7N

TRUEPER®

Especificaciones técnicas

PUL-A-7N

INDUSTRIAL



Para poder sacar el máximo provecho de la herramienta, alargar su vida útil, hacer válida la garantía en caso de ser necesaria y evitar riesgos o lesiones graves, es fundamental comprender antes de usar la herramienta.

Guarde este instructivo para futuras referencias. Los gráficos de este instructivo son para referencia, pueden variar del aspecto real de la herramienta.

ATENCIÓN

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| 3 | Requerimientos eléctricos |
| 4 | Advertencias generales de seguridad para herramientas eléctricas |
| 5 | Advertencias de seguridad para uso de pulidores |
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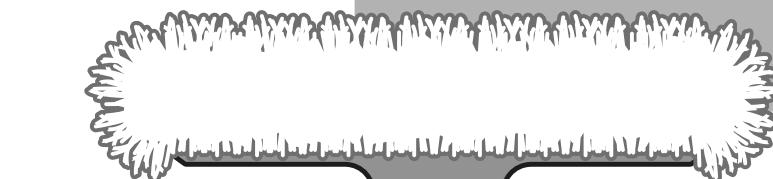


Lea este instructivo por completo antes de usar la herramienta.



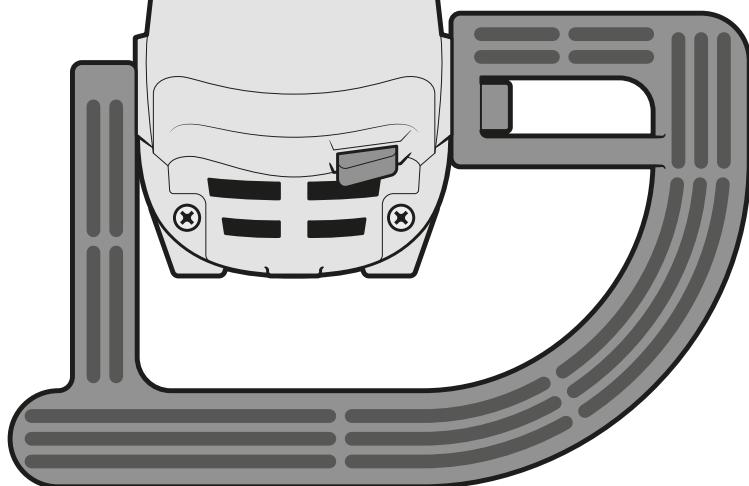
ATENCIÓN

PULA-7N



16673 PULA-7N

Este Instructivo es para:



Diametro
7/32"

Potencia
1200 W

Puñadora de velocidad variable

Instructivo de

INDUSTRIAL
FRUPER®

ESPAÑOL