

Manual

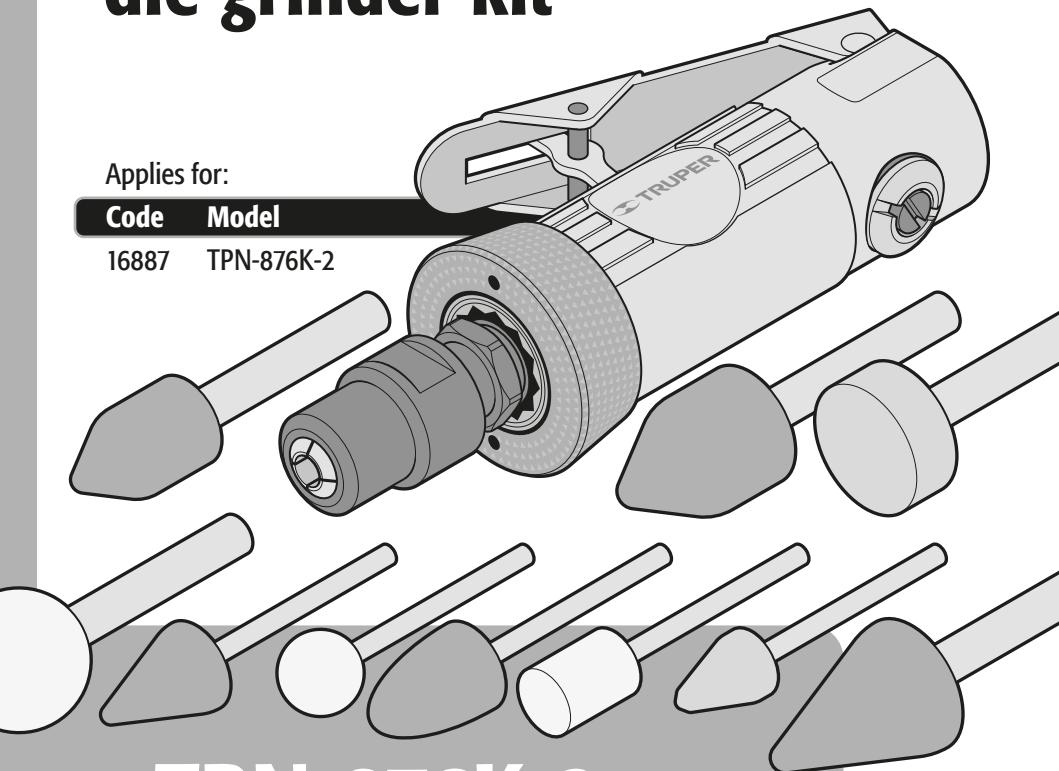
# Pneumatic straight die grinder kit

1/4"  
Collet nut

Applies for:

**Code      Model**

16887    TPN-876K-2



## TPN-876K-2



### WARNING

Use oil continuously and  
dosed to lubricate the tool.



### CAUTION



Read this manual thoroughly  
before using the tool.



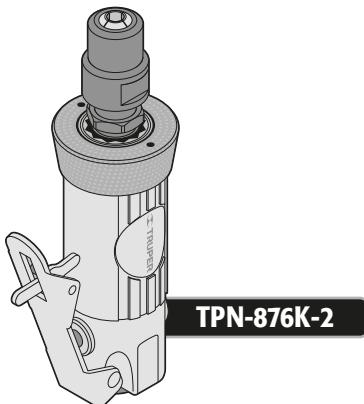
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## CAUTION

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.



**TPN-876K-2**

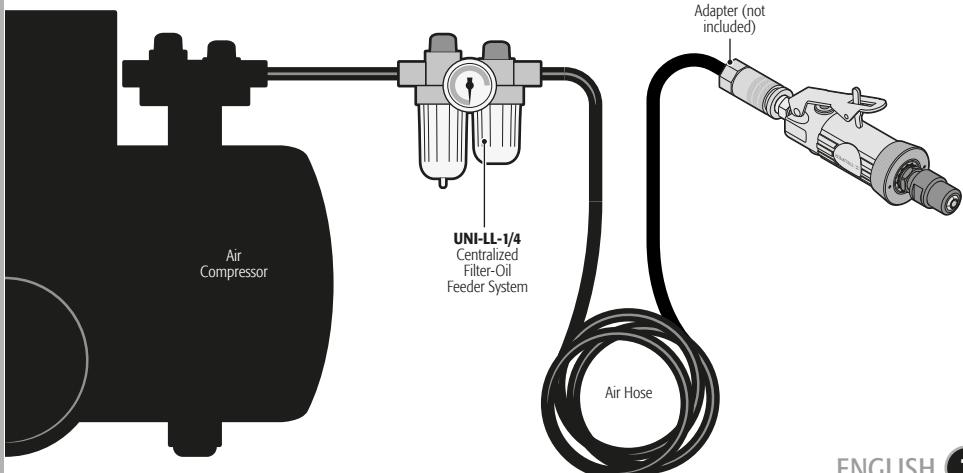
Code	•	16887
Description	•	Mini die grinder kit
Air inlet connection	•	1/4 NPT
Collet	•	1/4"
Vibration Level	•	< 2.5 m/s <sup>2</sup>
Noise Level	•	92 dB
Free Speed	•	25 000 RPM
Weight	•	0.77 lb
Air Consumption	•	2.5 CFM
Hose Minimum Recommended Diameter	•	3/8"
Air Pressure	•	90 PSI

**⚠ CAUTION** Please consider the increase in pressure in the line or the hose inside diameter to compensate the use of too long hoses (more than 26 ft). The hose minimum inside diameter shall be 3/8" and the connectors shall be 1/4 NPT. Use the right size and good quality couplers and accessories.

## Filtering and lubrication requirements

**⚠ CAUTION** Dust, water and lack of oil specific for pneumatic tools are the main cause of potential flaws with the tool. We recommend installing a  **TRUPER®** Brand **UNI-LL-1/4** centralized filter-oil feeder system. This system assures lubrication reducing 80% oil consumption significantly increasing the breathing air quality for the operator.

- The filter-oil feeder system must be regulated to administer 3 to 6 drops per minute.
- Drain the water in the air compressor tank and also condensation in the hoses before using the tool. Consult the air compressor instructions.



Keep your work area clean, tidy and well lit.

**CAUTION** Cluttered and dark areas may cause accidents.

Never use the tool in explosive areas or in the presence of flammable liquids or with no ventilation.

**DANGER** Sparks the tool generates could trigger an explosion or start a fire.

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

**WARNING** Distractions can cause losing control and cause accidents.

Avoid making contact with power lines and circuits.

**DANGER** Find and avoid power lines and circuits, especially hidden wiring as well as any grounded object.

Stay alert, use care and common sense.

**CAUTION** Familiarity with the tool operation could lead to distractions while using it. It could cause accidents.

Refrain from using the tool if tired or under the influence of drugs, alcohol or medication.

**DANGER** Being momentarily distracted while using the tool could cause severe personal injury.

Operate the tool with guards and protection devices in place and in good working condition.

**WARNING** Failure to comply with this warning is a hazard of severe personal injury.

Securely fasten and support the work piece.

**CAUTION** Use brackets and a stable work surface.

Never force the tool.

**CAUTION** Working within the tool's working design assures a better and safer job.

Keep the tool in a safe place and out of the reach of children.

**WARNING** Power tools are dangerous to inexperienced people.

Wear proper clothes.

**WARNING** Loose clothes, jewelry or long hair could get caught in the mobile parts.

Keep hands away from rotating and/or mobile parts.

**WARNING** Failure to comply with this warning is a hazard of severe personal injuries or crushing.

Wear adequate protective safety accessories.

**CAUTION** Wear eye protection, dust mask, non-skid safety shoes, helmet and ear plugs. In normal conditions, the risk of injury is reduced.

Unplug the air hose from the tool before carrying out maintenance or replacing accessories.

**WARNING** Prevent accidental startups that cause accidents.

Refrain from operating the tool if the switch is not working or is not properly assembled.

**WARNING** Failure to comply with this warning is a hazard of personal injury. Immediately send it to a **TRUPER®** Authorized Service Center.

Do not overreach.

**CAUTION** Good balance and support lead to better controlling the tool in unexpected situations.

Never pull the air hose.

**WARNING** Do not use it to carry or unplug the tool from the air outlet. Damaged or tangled hoses may burst and project residues towards the operator.

Prevent unintentionally starting the tool.

**WARNING** Double-check the motor is OFF before lubricating, setting up accessories or carry out maintenance.

Remove brackets before turning on the tool.

**DANGER** Additional tools or vices installed in a rotating part could cause severe personal injury.

Double-check maintenance and good working conditions before using the tool.

**CAUTION** Carefully check mobile parts, alignment and assembly. Do it periodically. Look for any damaged element or parts not working properly. Repair immediately in a **TRUPER®** Authorized Service Center.

Accessories.

**CAUTION** Use only accessories or spare parts indicated in this Manual or certified by **TRUPER®**.

Never leave a running tool unattended.

**CAUTION** Turn off and disconnect tool after using. Set it in a safe position to avoid severe injury.

# Risk control when using pneumatic tools



## Risk of injury in head and eyes



**⚠ WARNING** • Compressed air out of pneumatic equipment may be dangerous. Objects like brackets, burrs, splinters, dust and other residues may be impelled towards head and eyes due to high speed of the air flow. The air flow itself can only injure soft tissue such as eyes, ears, etc.

**⚠ CAUTION** • The tool attachments may get lose or break and project particles towards the operator or other operators in the work area.

## To prevent head and eyes injuries

- Always, when operating pneumatic equipment wear protection glasses in compliance with the ANSI Z87.1 Standard. As additional protection, wear a mask.
- Never aim the air flow towards people or animals.
- Disconnect the air hose from the tool when not in use.
- Never set a tool unattended when connected to the air outlet.
- Before using the tool verify all the parts and accessories are perfectly secured.



## Risk of explosion



**⚠ WARNING** • Incorrect handling of pressure in pneumatic equipment may cause an explosion causing severe injuries.

## To prevent explosions

- Before using the tool double check the compressed air source is regulated to the tool specified pressure and must not exceed 1 380 kPa (200 PSI).

## Risk of hearing loss



**⚠ WARNING** • Being exposed long periods of time to noise pneumatic tools produce may damage hearing permanently causing hearing loss.

## To prevent hearing loss



- Always, when operating pneumatic equipment wear hearing protection in compliance with the ANSI S3.19 Standard

## Risk of inhaling particles



**⚠ WARNING** • Abrasive tools like grinders, sanders and cutting tools generate dust and particles that damage the lungs and respiratory system.  
• Some materials like resin or adhesive are made with chemicals and the vapors emitted may cause serious damage if the operator is exposed for long periods of time.

## To prevent inhaling particles



- Always wear a face mask or breathing device when operating these types of tools.
- Always work in a clean, well ventilated area.

## Risk of electric shock



**⚠ WARNING** • Pneumatic tools do not have electric insulation. If during the operation, the tool makes contact with a source of electricity, the energy will be conducted to the operator causing a fatal electrocution.

## To prevent electric shock

- Never use pneumatic tools to work energized electric wiring.
- Before operating the tool find the possible hidden wiring in the work zone to prevent making contact.
- Avoid contact with grounded surfaces like pipes, radiators or refrigerators. The risk of electrocution increases if the operator's body gets grounded.

## Risk of damaging the tool



**⚠ WARNING** • Pneumatic tools forced beyond the capacity and lacking of adequate lubrication or used to loosen rusted nuts (with impact guns) will get damaged and make the Warranty void.

## To prevent damaging the tool

- Keep the tool duly lubricated.
- Do not force the tool.
- Apply "loose it all" liquid to rusted nuts or lugs before trying to loosen with the tool (impact gun).

**Risk of injuries**

**WARNING** • Damaged hoses may burst and cause serious injuries or deafness.

• Pneumatic tools connected to the compressed air source, if operated by untrained staff or underage people, will cause severe injuries.

• The compressed air used in pneumatic equipment may be dangerous. Objects like vices, burrs, splinters, dust and other residues may be impelled by the high-speed air flow towards the operator or other people in the work area.

• Using inflation nozzles to clean or torch blowing may cause severe injuries.

• Tools and accessories not suitable, damaged or low quality like grinding discs, chisels, contacts, drills, brad nailer, staplers, etc., may shoot out during the operation and project particles causing severe injuries.

• Brackets may get lose and be projected causing severe injuries or damage to property.

• Tools that accidentally start may cause severe injuries.

• Tools and accessories with no maintenance may cause severe injuries.

• Tools using accessories without  **TRUPER®** certification may cause severe injuries.

• Damaged or banged tools may cause severe injuries.

**To prevent injuries**

- Do not abuse the hose or the connectors.
- Keep the hose away from sharp or abrasive edges.
- Unplug the hose when setting up accessories like grinding discs or bits.
- Never use the hose to carry the tool.
- Never pull the hose to unplug it.
- Do not expose the hose to heat, oil or solvents.
- Before operating the tool, verify the hoses are not damaged.

• Unplug the air hose when the tool is not in use. Store the tool in a safe place away from children or untrained people. Keep children and untrained people away from the work area.

• Keep the work area clean, tidy and with good lighting.  
• Remove any wrench or plier form the tool before operating.

• Do not use inflation nozzles to clean or to torch blowing.

• Use only parts, vices and accessories recommended by  **TRUPER®**.

• Double check all connections are correctly installed.

• Never carry the tool by the trigger.  
• Disconnect the air hose out from the tool when not in use.  
• Never leave the tool unattended when connected to the air outlet.

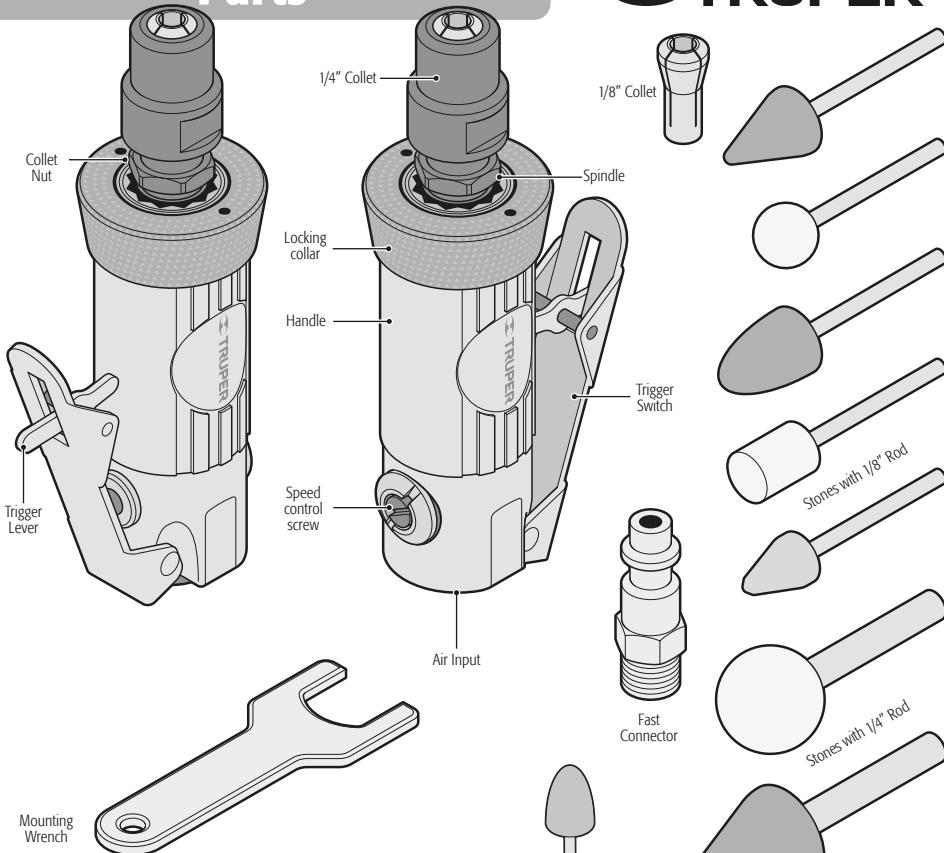
• Keep the tool handle clean and dry, free of oil or grease.  
• Keep tools clean. A meticulously cleaned and oiled tool delivers a more effective performance and is easier to control.  
• Any type of repair can only be carried out in a  **TRUPER®** Authorized Service Center.

• Use always accessories matching the tool speed.  
• Use only  **TRUPER®** certified accessories.

• Do not use damaged or banged tools.

# Parts

 **TRUPER®**



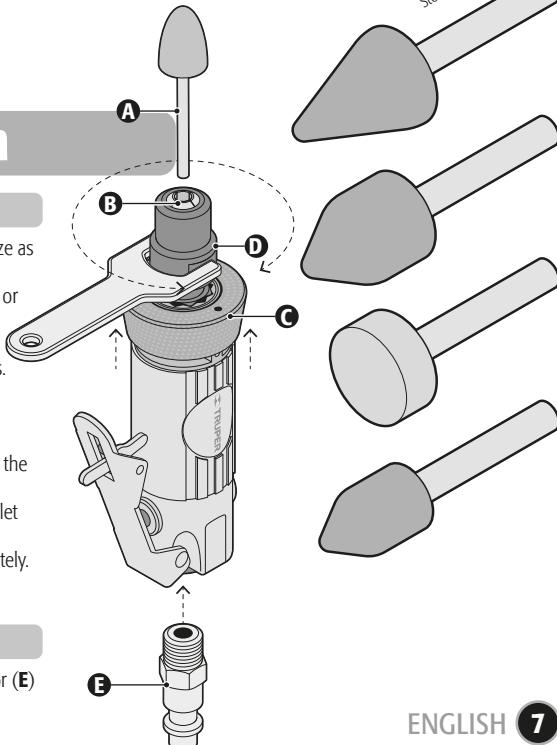
## Preparation

### Accessory Installation

- Double check the accessory rod (**A**) is the same size as the installed collet diameter (**B**).
- Use only accessories specified for the grinder RPM or bigger.

**⚠ WARNING** • Disconnect the grinder from the air supply before setting or removing accessories.

- Use the wrench included to change accessories.
- Pull the collar (**C**) upward to lock the spindle and loosen the collet nut (**D**) with the wrench
- Insert the rod up to the bottom of the accessory in the collet.
- Hold the spindle with the collar and tighten the collet nut until the accessory is perfectly secured.
- To change the collet, remove the collet nut completely. Replace the collet and set the collet nut back.

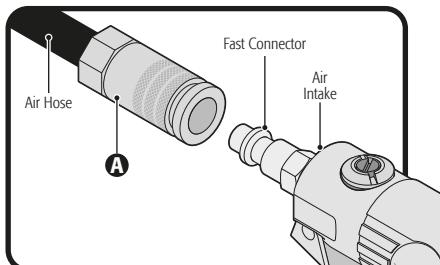


### Connector Installation

- Remove the air input cap and set the fast connector (**E**) in place. Tighten using one of the wrenches.

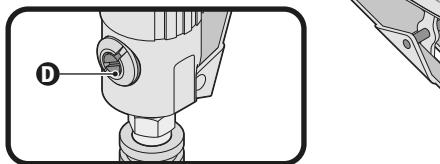
## Air intake connection

- Connect the air hose to the tool using a female fast connector (**A**). When working with different pneumatic tools and a single compressor, you can quickly connect and disconnect tools exchange them easily.
- Before starting to work, run the tool 30 seconds unloaded and in a safe position. Stop immediately if detecting any defect in installation.

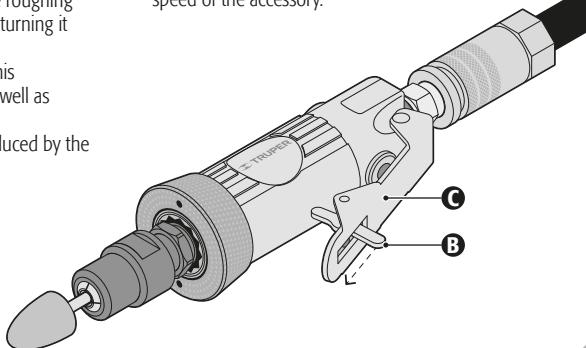


## Turning On

- Turn on the air compressor and let it fill up.
- Regulate the air compressor output pressure from 90 PSI to 115 PSI (621 kPa to 793 kPa).
- ⚠ WARNING** Operating the tool above this pressure range will result in a shorter tool life.
- Check the work piece is sagely fastened.
- Push the trigger lock (**B**) forward and press the trigger (**C**). Wait for the tool to reach its maximum speed before making contact with the workpiece. When you are done roughing up, remove the tool from the work piece before turning it OFF.
- Do not apply excessive force upon the tool. This decreases the speed and efficiency of the cut as well as discharging the tool by decreasing its life time.
- ⚠ CAUTION** • Double check the sparks produced by the cuts will not turn into a dangerous situation.



- Using a screwdriver, turn the regulating screw (**D**) to control the air flow into the tool to adjust the speed of the accessory.



## Maintenance

### Lubrication

- Pneumatic tools need constant lubrication along their useful life and during the operation. The compressed air needed in the tool to run carry humidity which could oxidize the motor and bearing in the tool. To prevent this possibility, it is necessary to constantly deliver lubricating oil through a **TRUPER**® Brand **UNI-LL-1/4** centralized filter-oiler system installed between the air compressor and the tool.

- ⚠ WARNING** • Any excess of oil in the motor is immediately expelled through the exceeding oil escape. Keep the escape free of obstructions and never point it towards people or objects.
- If not using the tool for long periods of time, it shall need to be lubricated with care.
- After 60 hours' operation, the tool mechanism need a little greasing. Excessive grease may diminish power.

### Service

- Servicing the tool shall be carried out every 3 months only in a **TRUPER**® Authorized Service Center. Service and maintenance carried out by not certified people may be dangerous and can cause severe personal injuries as well as making the product Warranty void.

- Malfunction in the tool caused by no using the recommended dose of lubrication, or not complying with this Instructions, or repairs carried out by people not certified by **TRUPER**® will not be covered with the Warranty. We reserve the right to carry out technical improvements without notice.

# Authorized service centers



In the event of any problem contacting a Truper Authorized Service Center, please see our webpage [www.truper.com](http://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	<b>DE TODO PARA LA CONSTRUCCIÓN</b> GRAL. BARRAGÁN #1201, COL. GREMIAL, C.P. 20030, AGUASCALIENTES, AGS. TEL.: 449 994 0557	
BAJA CALIFORNIA	<b>SUCURSAL TIJUANA</b> AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL MAGISTERIO II, C.P. 22244, TIJUANA, B.C. TEL.: 664 969 5100	
BAJA CALIFORNIA SUR	<b>FIX FERRETERÍAS</b> FELIPE ÁNGELES ESQ. RUIZ CORTÍNEZ S/N, COL. PUEBLO NUEVO, C.P. 23670, CD. CONSTITUCIÓN, B.C.S. TEL.: 613 132 1115	
CAMPECHE	<b>TORNILLERÍA Y FERRETERÍA AAA</b> AV. ALVARO OBREGÓN #524, COL. ESPERANZA C.P. 24080 CAMPECHE, CAMP. TEL.: 981 815 2808	
CHIAPAS	<b>FIX FERRETERÍAS</b> AV. CENTRAL SUR #27, COL. CENTRO, C.P. 30700, TAPACHULA, CHIS. TEL.: 962 118 4083	
CHIHUAHUA	<b>SUCURSAL CHIHUAHUA</b> AV. SILVESTRE TERRAZAS #12-111, PARQUE INDUSTRIAL BAFAR, CARRETERA MÉXICO CUAUHTÉMOC, C.P. 31415, CHIHUAHUA, CHIH. TEL. 614 434 0052	
CIUDAD DE MÉXICO	<b>FIX FERRETERÍAS</b> EL MONSTRUO DE CORREGIDORA, CORREGIDORA # 35, COL. CENTRO, C.P. 06060, CUAUHTÉMOC, CDMX. TEL: 55 5522 5031 / 5522 4861	
COAHUILA	<b>SUCURSAL TORREÓN</b> CALLE METAL MECÁNICA #280, PARQUE INDUSTRIAL ORIENTE, C.P. 27278, TORREÓN, COAH. TEL: 871 209 68 23	
COLIMA	<b>BOMBAS Y MOTORES BYMTESA DE MANZANILLO</b> BLVD. MIGUEL DE LA MADRID #190, COL. 16 DE SEPTIEMBRE, C.P. 28239, MANZANILLO, COL. TEL: 314 332 1986 / 332 2013	
DURANGO	<b>TORNILLOS ÁGUILA, S.A. DE C.V.</b> MAZURIÓN #200, COL. LUIS ECHEVERRÍA, DURANGO, DGO.TEL.: 618 817 1946 / 618 818 2844	
ESTADO DE MÉXICO	<b>SUCURSAL CENTRO JILOTEPEC</b> PARQUE INDUSTRIAL # 1, COL. PARQUE INDUSTRIAL JILOTEPEC, JILOTEPEC, EDO. DE MÉX. C.P. 54257 TEL: 761 782 9101 EXT. 5728 Y 5102	
GUANAJUATO	<b>CÍA. FERRETERA NUEVO MUNDO S.A. DE C.V.</b> AV. MÉXICO - JAPÓN #225, CD. INDUSTRIAL, C.P. 38010, CELAYA, GTO. TEL: 461 717 578 / 79 / 80 / 88	
GUERRERO	<b>CENTRO DE SERVICIO ECLIPSE</b> CALLE PRINCIPAL MZ.1 LT. 1, COL. SANTA FE, C.P. 39010, CHILPANCINGO, GRO. TEL: 747 478 5793	
HIDALGO	<b>FERREPRECIOS S.A. DE C.V.</b> LIBERTAD ORIENTE #304 LOCAL 30, INTERIOR DE PASAJE ROBLEDO, COL. CENTRO, C.P. 43600, TULANCINGO, HGO. TEL: 775 753 6615 / 775 753 6616	
JALISCO	<b>SUCURSAL GUADALAJARA</b> AV. ADOLFO B. HORN # 6800, COL: SANTA CRUZ DEL VALLE, C.P.: 45655, TLAJOMULCO DE ZUÑIGA, JAL. TEL: 33 3606 5285 AL 90	
MICHOACÁN	<b>FIX FERRETERÍAS</b> AV. PASEO DE LA REPÚBLICA #3140-A, COL. EX-HACIENDA DE LA HUERTA, C.P. 58050, MORELIA, MICH. TEL.: 443 334 6858	
MORELOS	<b>FIX FERRETERÍAS</b> CAPITÁN ANZURES #95, ESQ. JOSÉ PERDIZ, COL. CENTRO, C.P. 62740, CUAUTLA, MOR. TEL: 735 352 8931	
NAYARIT	<b>HERRAMIENTAS DE TEPIC</b> MAZATLÁN #117, COL. CENTRO, C.P. 63000, TEPIC, NAY. TEL: 311 258 0540	
NUEVO LEÓN	<b>SUCURSAL MONTERREY</b> CARRETERA LAREDO #300, 1B MONTERREY PARKS, COLONIA PUERTA DE ANÁHUAC, C.P. 66052, ESCOBEDO, NUEVO LEÓN, TEL.: 81 8352 8791 / 81 8352 8790	
OAXACA	<b>FIX FERRETERÍAS</b> AV. 20 DE NOVIEMBRE #910, COL. CENTRO, C.P. 68300, TUXTEPEC, OAX. TEL: 287 106 3092	
PUEBLA	<b>SUCURSAL PUEBLA</b> AV. PERIFÉRICO #2-A, SAN LORENZO ALMECATLA, C.P. 72710, CUATLACINGO, PUE. TEL: 222 282 8282 / 84 / 85 / 86	
QUERÉTARO	<b>ARU HERRAMIENTAS S.A. DE C.V.</b> AV. PUERTO DE VERACRUZ #110, COL. RANCHO DE ENMEDIO, C.P. 76842, SAN JUAN DEL RÍO, QRO. TEL.: 427 268 4544	
QUINTAÑA ROO	<b>FIX FERRETERÍAS</b> 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	<b>FIX FERRETERÍAS</b> AV. UNIVERSIDAD #1850, COL. EL PASEO, C.P. 78320, SAN LUIS POTOSÍ, S.L.P. TEL: 444 822 4341	
SINALOA	<b>SUCURSAL CULIACÁN</b> AV. JESÚS KUMATE SUR #4301, COL. HACIENDA DE LA MORA, C.P. 80143, CULIACÁN, SIN. TEL.: 667 173 9139 / 173 8400	
SONORA	<b>FIX FERRETERÍAS</b> CALLE 5 DE FEBRERO #517, SUR LT. 25 MZ. 10, COL. CENTRO, C.P. 85000, CD. OBREGÓN, SON. TEL: 644 413 2392	
TABASCO	<b>SUCURSAL VILLAHERMOSA</b> CALLE HELIO LOTES 1, 2 Y 3 MZ. #1, COL. INDUSTRIAL, 2A ETAPA, C.P. 86010, VILLAHERMOSA, TAB. TEL: 993 353 7244	
TAMAULIPAS	<b>VM ORINGS Y REFACCIONES</b> CALLE ROSITA #527 ENTRE 20 DE NOVIEMBRE Y GRAL. RODRÍGUEZ, FRACC. REYNOSA, C.P. 88780, REYNOSA, TAMS. TEL.: 899 926 7552	
TLAXCALA	<b>SERVICIOS Y HERRAMIENTAS INDUSTRIALES</b> PABLO SIDAR #132, COL. BARRIO DE SAN BARTOLOMÉ, C.P. 90970, SAN PABLO DEL MONTE, TLAX. TEL.: 222 271 7502	
VERACRUZ	<b>LA CASA DISTRIBUIDORA TRUPER</b> BLVD. PRIMAVERA ESQ. HORTENSIA S/N, COL. PRIMAVERA C.P. 93308, POZA RICA, VER. TEL.: 782 823 8100 / 826 8484	
YUCATÁN	<b>SUCURSAL MÉRIDA</b> CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAY, MPIO. UMÁN, C.P. 97390, MÉRIDA, YUC. TEL: 999 912 2451	

Code	Model	Brand
16887	TPN-876K-2	 <b>TRUPER®</b>

**Warranty.** Duration: 2 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: