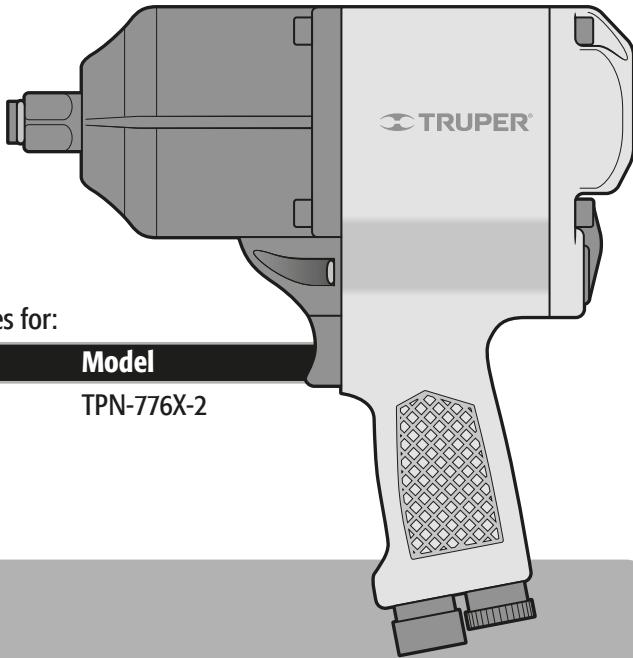


Manual

# Air impact wrench

3/4"



Applies for:

Code	Model
16889	TPN-776X-2

# TPN-776X-2



## WARNING

Use oil continuously and  
dosed to lubricate the tool.



## CAUTION



Read this manual thoroughly  
before using the tool.



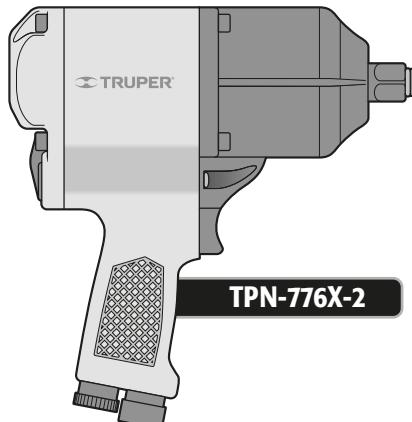
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## CAUTION

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.



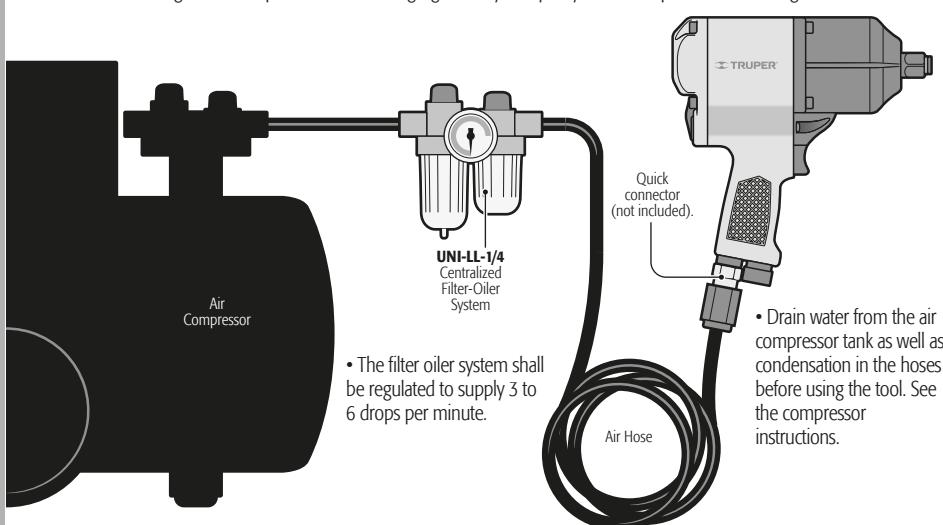
**TPN-776X-2**

Code	• 16889
Description	Air impact wrench
Impact Mechanism	Twin Hammer
Box Impeller	• 3/4"
Maximum Torque	1 018 Nm (750 lb·ft)
Air Ejection	Front and Bottom
Free Speed	6 000 RPM
Weight Without Accessories	9.5 lb
Air Pressure	• 90 PSI
Air Consumption	6 CFM
Air Inlet Connection	• 3/8" NPT
Hose Inside Diameter	• 1/2"

**⚠ CAUTION** Please consider the increase in pressure in the line or the hose inner diameter to compensate the use of too long hoses (more than 314.96 inches). The hose minimum inner diameter shall be 1/2" and the connectors shall be 3/8 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 malfunction of the tool. Setting up a  **TRUPER®** Brand **UNI-LL-1/4** centralized filter-oiler system is recommended. This system ensures lubrication reducing oil consumption 80% increasing significantly the quality of air the operator is breathing.



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 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 (air impact wrench) 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 (air impact wrench).

## 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®**.

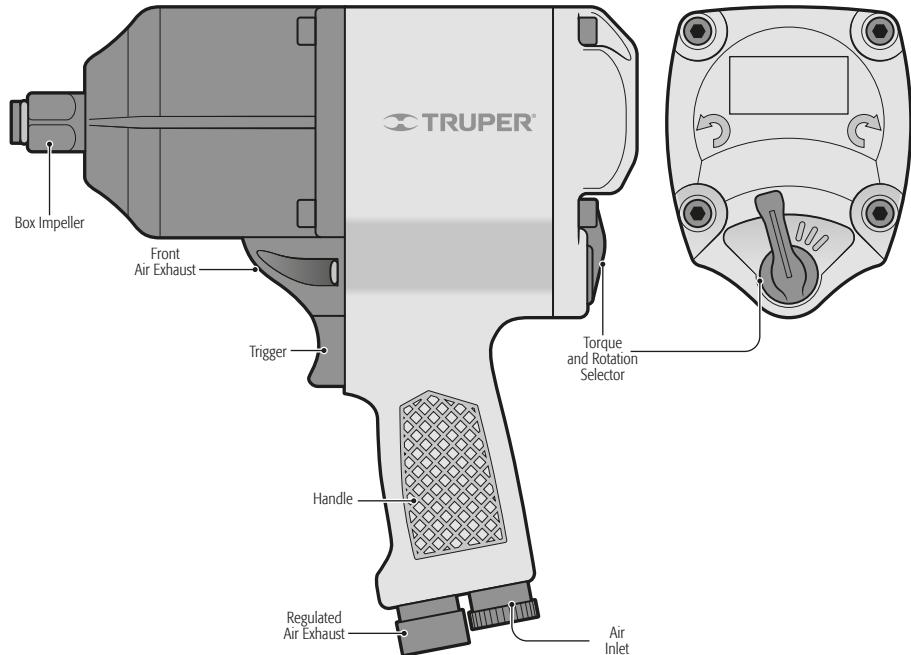
• Double check all connections are correctly installed.

• 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.

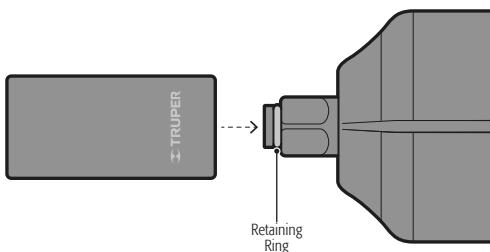
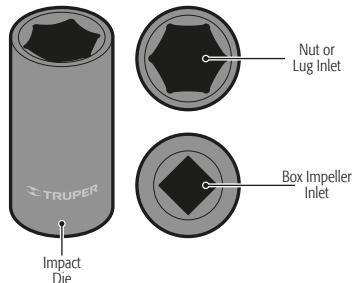


## Assembly

### Die Set Up

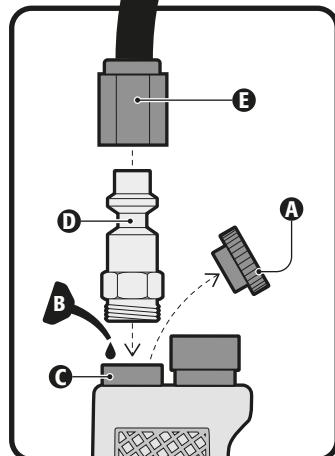
- Disconnect the tool from the air outlet before replacing the die.
- Select the die you need and set it in the box impeller.
- Always use impact dies with this tool. Do not use dies for hand tools. Consult the  **TRUPER®** catalog to learn about our accessory's variety.
- Use 3/4" dies for box impellers.
- Using adaptors for other sizes are not recommended. Use only if strictly necessary.
- If the die has orifices always use rubber rings and steel tips when setting it into the box impeller.
- When the box impeller is made with a retaining ring, verify it is in good repair. If damaged, replace immediately.

**⚠ WARNING** • When a die has not been secured and adjusted as indicated, it can shoot out and injure the operator.



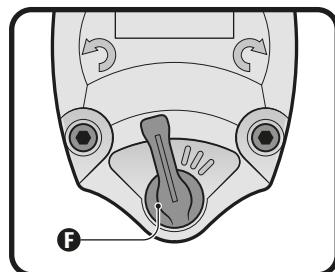
### Air Outlet Connection

- Remove the plastic capo (A) covering the air inlet in the handle base.
- Before each use add three to six drops of lubricant with no detergent (B) into the air inlet (C).
- Screw the quick connector (D) (not included) to the air inlet.
- Connect the air hose using a fast nipple (E), (not included) into the quick connector.



### Rotation Direction and Torque Selection

- Rotation direction is adjusted with the torque selector (F).
- To tighten a nut or lug, turn the selector to the right so that the die rotate on clockwise. To loosen turn the knob to the left to make the die rotate counter clockwise.
- To select torque and prevent from tightening too much, a nut or lug, turn the knob to the right or to the left until reaching the desired torque level.
- Using the maximum torque is recommended when there is no torque meter to verify the adequate torque.
- The torque value may vary depending on the air compressor size and the quantity of air (CFM) it delivers.

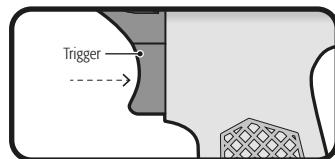


### Turning On

- Turn ON the air compressor and let it fill up.
- Regulate the air compressor outlet pressure to 90 PSI.

**WARNING** The tool operates with this pressure range. If operating in a higher pressure range the tool useful life will be shorter.

- Let run some air through the hose and coupling to verify both are clean before connecting into the tool.
- Select the adequate rotation direction and torque.
- Press the trigger so that the die can rotate.
- Release the trigger to stop the die.



### Operation

- Set the die in the nut or lug you want to loosen or tighten.
- Before operating the tool double check there is enough space in the back of the tool to prevent getting your hand trapped. The tool goes away from the nut / screw when loosened or tightened.
- Do not try to make contact with the nut or lug with the die moving. Do not press the trigger unless the nut or lug is set correctly inside the die.
- Apply firm and constant pressure without forcing the tool. Otherwise it can be damaged.

## Lubrication

- Pneumatic tools need constant lubrication along their useful life and during the operation. 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 exhaust. Keep the exhaust 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 of operation, the tool mechanism needs 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 not 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.

## Troubleshooting

### Problem

The tool runs too slow or is not working.

### Possible Cause

- Grit or rubber on the tool.
- The tool has no oil.
- Low air pressure.
- The hose is leaking.
- Pressure drops.
- Ripped rotor blade.
- There is humidity coming out through the tool exhaust.

The tool rotor turns without actuating the trigger.

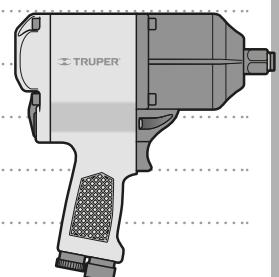
- The "O" ring in the inlet is broken.

### Solution

- Drain the tool with pneumatic machine oil or rubber solvent.
- Follow the lubrication instructions to lubricate the tool.
- Adjust the tool regulator in the highest position.
- Adjust the compressor regulator to 90 PSI maximum.
- Tighten and seal the hose joints if you find any point of leak. Use sealing tape.
- Confirm the hose is the right size. Long hoses or tools using large volumes of air may need a hose with a 1/2" inner diameter or larger, depending of the total length of the hoses. Do not use many hoses connected with fast mount accessories. This drops the additional pressure and reduces the tool power. Connect hoses directly.
- Take the tool to a **TRUPER®** Authorized Service.
- Water in the tank (See the air compressor Instructions Manual). Oil the tool and let it run until the water stops. Oil again the tool and run it 1 to 2 seconds.

- Replace the broken "O" ring.

If the problems persist despite carrying out the recommended corrective actions, contact a **TRUPER®** Authorized Service Center.



# Authorized Service Centers



In the event of any problem contacting a 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 01 (800) 018-7873 to get information about the nearest **TRUPER** Authorized Service Center.

AGUASCALIENTES	<b>DE TODO PARA LA CONSTRUCCIÓN</b> GRAL. BARRAGÁN #1201, COL. GREMIAL, C.P. 20030, AGUASCALIENTES, AGS. TEL.: 449 994 0537
BAJA CALIFORNIA	<b>SUCRASL TIJUANA</b> AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL FLORIDO 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>SUCRASL CHIHUAHUA</b> AV. SILVESTRE TERRAZAS #128-11, PARQUE INDUSTRIAL BAFAR, CARRETERA MÉXICO CUAHTEMOC, C.P. 31415, CHIHUAHUA, CHIH. TEL.: 614 434 0052
CIUDAD DE MÉXICO	<b>FIX FERRETERÍAS</b> EL MONSTRUO DE CORREGIDORA, CORREGIDORA # 22, COL. CENTRO, C.P. 06060, CUAHTEMOC, CDMX. TEL: 55 5522 5031 / 5522 4861
COAHUILA	<b>SUCRASL 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 0103
DURANGO	<b>TORNILLOS ÁGUILA, S.A. DE C.V.</b> MAZURIO #200, COL. LUIS ECHEVERRÍA, DURANGO, DGO.TEL.: 618 817 1946 / 618 818 2844
ESTADO DE MÉXICO	<b>SUCRASL CENTRO JILOTEPEC</b> AV. PARQUE INDUSTRIAL 1, PARQUE INDUSTRIAL JILOTEPEC, JILOTEPEC, C.P. 54257, TEL: 761 782 9101 EXT. 5728 Y 5102
GUANAJUATO	<b>CIA. FERRETERA NUEVO MUNDO S.A. DE C.V.</b> AV. MÉXICO - JAPÓN #225, CD. INDUSTRIAL, C.P. 38010, CELAYA, GTO. TEL.: 461 617 7578 / 79 / 80 / 88
GUERRERO	<b>CENTRO DE SERVICIO ECLIPSE</b> CALLE PRINCIPAL MZ1 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>SUCRASL GUADALAJARA</b> AV. ADOLFO B. HORN # 6800, COL: SANTA CRUZ DEL VALLE, C.P.: 45655, TLAJOMULCO DE ZÚÑIGA, JAL. TEL.: 33 5606 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. 65000, TEPIC, NAY. TEL.: 311 258 0540
NUEVO LEÓN	<b>SUCRASL MONTERREY</b> CARRETERA LAREDO #300, 1B MONTERREY PARKS, COLONIA PUERTA DE ANÁHUAC, C.P. 66052, ESCOBEDO, NUEVO LEÓN, TEL.: 81 8532 8791 / 81 8532 8790
OAXACA	<b>FIX FERRETERÍAS</b> AV. 20 DE NOVIEMBRE #910, COL. CENTRO, C.P. 68300, TUXTEPEC, OAX. TEL.: 287 106 3092
PUEBLA	<b>SUCRASL PUEBLA</b> AV. PERIFERICO #2-A, SAN LORENZO ALMECATLA, C.P. 72710, CUAUTLACINGO, 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
QUINTANA ROO	<b>FIX FERRETERÍAS</b> CARRETERA FEDERAL MZ. 46 LT. 3 LOCAL 2, COL. EJIDAL, C.P. 77710 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>SUCRASL 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>SUCRASL 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. 90070, 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>SUCRASL MÉRIDA</b> CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAY, MPIO. UMÁN, C.P. 97390, MÉRIDA, YUC. TEL.: 999 912 2451

**Code**

16889

**Model**

TPN-776X-2

**Brand** **TRUPER®**

This product is guaranteed for 2 years. To make the warranty valid or purchase parts and components you must present the product in Corregidora 22, Col. Centro, Alc. Cuauhtémoc, CDMX C.P. 06060 or at the establishment where you purchased it, or at any Truper® Service Center listed in the annex to the warranty policy and/or in [www.truper.com](http://www.truper.com). Transportation costs resulting from compliance of this warranty will be covered by  **TRUPER®**.

For questions or comments, call **800-690-6990**. Made in China. Imported by Truper S.A. de C.V. Parque Industrial 1, Parque Industrial Jilotepec, Jilotepec, Edo. de Méx. C.P. 54257



Stamp of the business. Date of purchase: