

ENGLISH
ESPAÑOL

TRUPER[®] *expert*

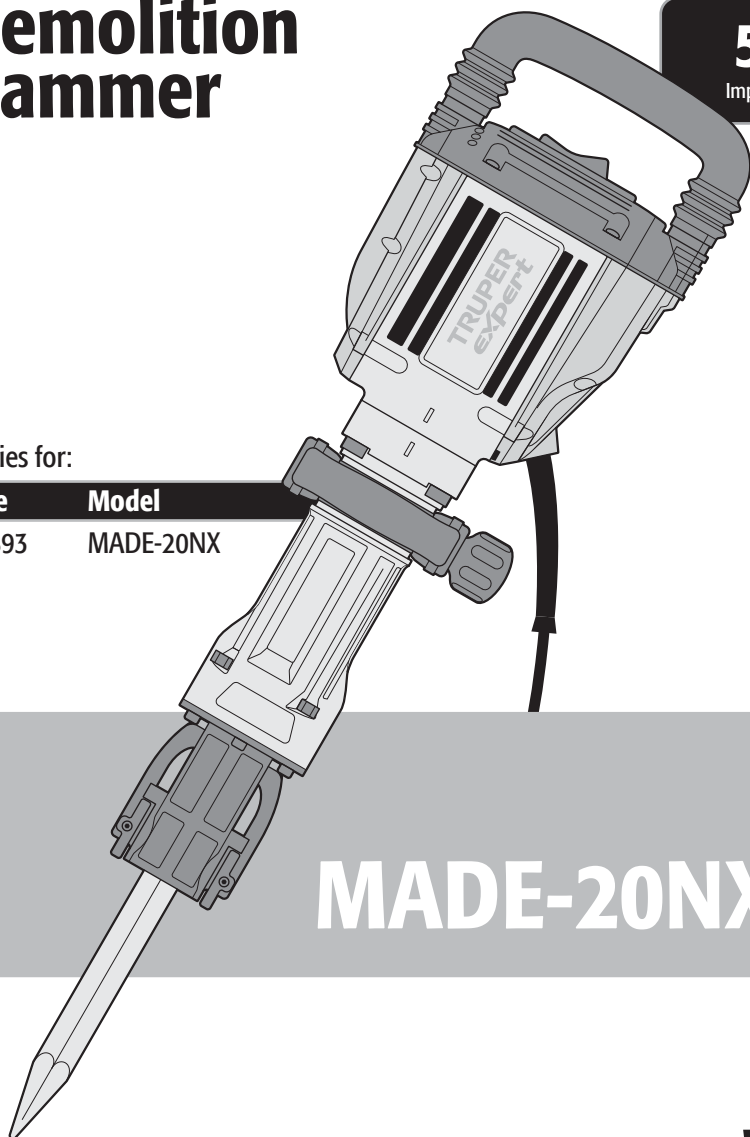
Manual

Demolition Hammer

55 J
Impact energy

Applies for:

Code	Model
100893	MADE-20NX





MADE-20NX

CAUTION



Read this manual thoroughly
before using the tool.



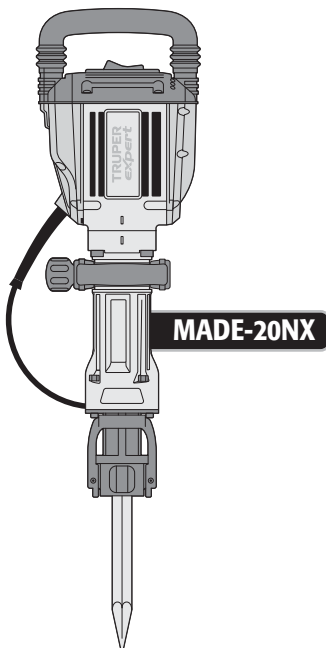
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CAUTION

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.



MADE-20NX

Code	•	100893			
Description	•	Demolition hammer			
Voltage	•	127 V~			
Frequency	•	60 Hz			
Current	•	15 A			
Power	•	1 600 W	Impact energy	•	55 Joules
Weight	•	44 lb			
Tool holder	•	HEX 1 1⁄8"			
Work cycle	•	50 min work per 20 min rest. Maximum 6 hours per day			
Conductors	•	14 AWG x 2C with insulation 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 E

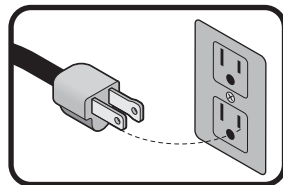
⚠ WARNING Avoid the risk of electric shock or severe injury. When the power cable gets damaged it should only be replaced by the manufacturer or at a TRUPER Authorized Service Center. The build quality of the electric insulation is altered if spills or liquid gets into the tool while in use. Do not expose to rain, liquids and/or dampness.

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



Power requirements

⚠ WARNING Tools with double insulation and reinforced insulation are equipped with a polarized plug (one prong is wider than the other). This plug will only fit in the right way into a polarized outlet. If the plug cannot be introduced into the outlet, reverse the plug. If it still doesn't fit, call a qualified electrician to install for you a polarized outlet. Do not alter the plug in any way. Both 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	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-AN-CE

⚠ WARNING When operating power tools outdoors, use a **6VOLTTECK** grounded extension cable labeled "For Outdoors Use". These extensions are especially 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 losing 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, jewelry, or long hair can 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.

Safety warnings for the use of demolition hammers

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Choose the appropriate drill or attachment

- CAUTION** • The tool is designed to work with bits or accessories with 1 1/8" HEX shanks. Choose the appropriate one for the material to be worked on, this reduces the risk of serious injury and speeds up the work.
- Do not attempt to use bits that exceed the capacity of the drill.
- Use well-sharpened and well-conditioned drill bits/accessories to optimize the work.

Before operating the demolition hammer

- Take your time to evaluate the work to be done and make sure you have followed all the necessary precautions before starting to drill.

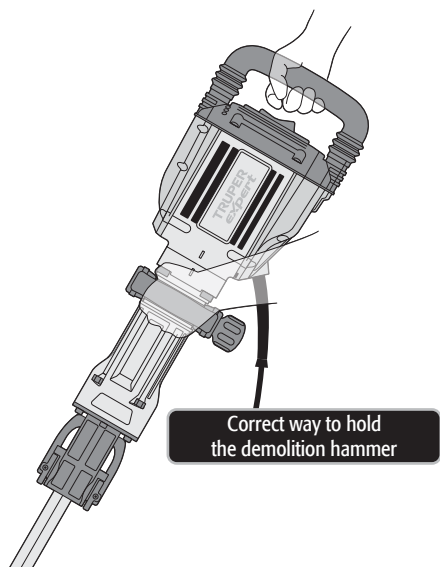
WARNING • Fit the accessory correctly to the chuck, otherwise it can be thrown out at high speed and cause serious injury.

DANGER • Before hitting a wall, floor or ceiling, make sure there are no embedded objects, such as wires or electrical conduits or pipes.

DANGER • Make sure the switch is off (page 8 Start-up) before connecting the tool, otherwise it will start working unexpectedly, which can cause serious injury.

CAUTION • Turn off and disconnect the tool before installing or replacing an accessory.

WARNING • This electric tool produces an electromagnetic field during its operation that could interfere with medical implants. To reduce the risk of serious or fatal injury, it is recommended that people with medical implants consult their physician and the manufacturer of the implant before operating the tool.



While operating the demolition hammer

CAUTION • Hold the tool by its handle and by the auxiliary handle. Remember that loss of control can cause personal injury.

• Hold the tool by its insulating surfaces, especially when performing work where the cutting portion of the drill may contact hidden wiring or the tool's own power cord. Contact with a live wire also makes the metal parts of the tool live and can cause an electric shock to the operator.



• Do not subject the tool to excessive stress.

CAUTION • If the drill bit gets stuck in the workpiece, turn off the demolition hammer immediately. Then remove the drill bit from the workpiece. Do not attempt to remove jammed bits by turning the tool on and off.

• Do not put too much pressure on the tool to speed up the drilling. Otherwise, the drill bit will be damaged and the efficiency of the tool will decrease as well as its life span.

WARNING • The larger the chisel area, the greater the reactive force, which can lead to a loss of control of the tool. To avoid this possibility, hold the tool firmly with both hands and maintain a balanced position on both feet while drilling at 90°.

• Be careful and ready to relax the force as soon as the drill bit penetrates the material. Sudden movements can cause accidents.

CAUTION • Do not touch the chisel or drill holes immediately after drilling. Wait for them to cool down before handling them. Do not try to cool them with water or oil.

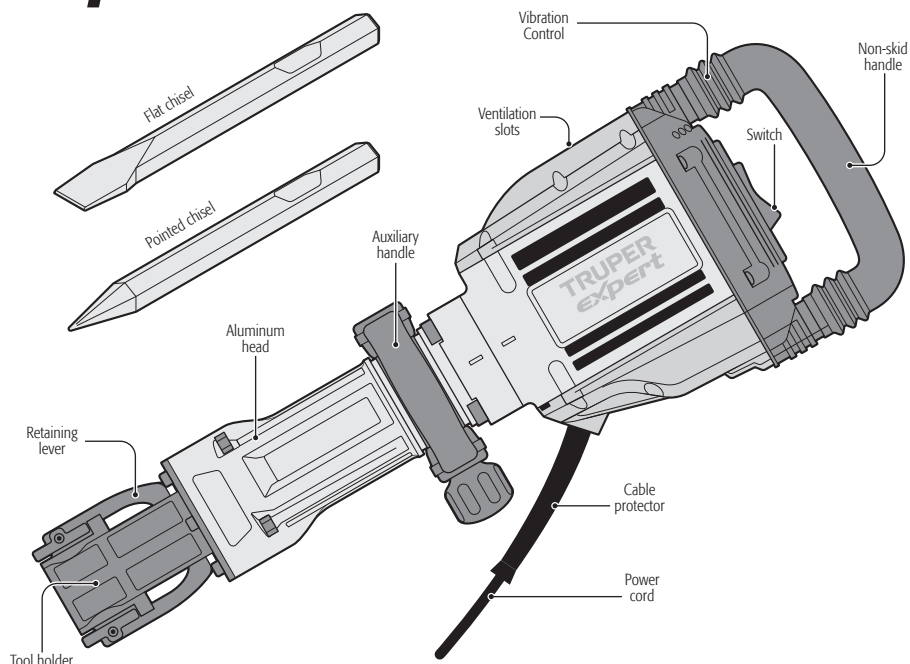
• Avoid placing the tool in a place with particles and/or dust immediately after use, these can be absorbed into the tool mechanism and thus damage it.

• Use headset protectors, when running services that make noise above 85 dB. Exposure to noise can cause hearing loss.

• Use a dust mask and dust extraction equipment if necessary. Remember that working with materials such as asbestos, lead paint, additives, some types of wood, metals, or minerals is highly toxic.


• Wear safety goggles.





Assembly

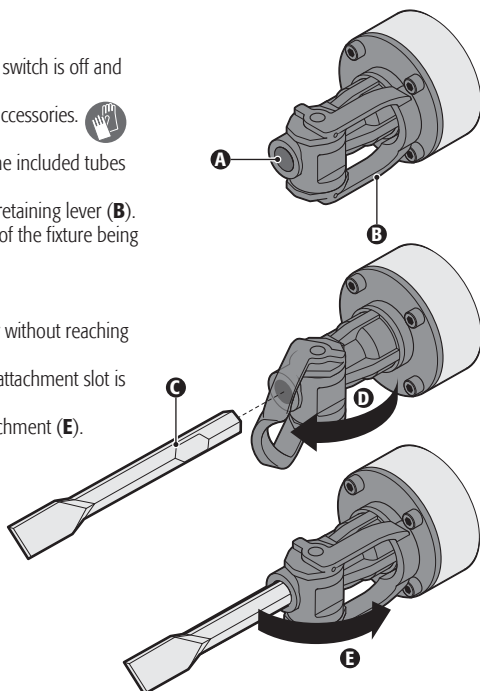
⚠ CAUTION To prevent accidents, confirm that the switch is off and disconnect the plug from the power supply.

⚠ WARNING Wear gloves whenever you change accessories. They can become extremely hot during the operation. 

- Clean the accessories shanks and apply grease from the included tubes before mounting them on the tool fastener (A).
- The attachments are secured in the tool chuck by the retaining lever (B). The position of the lever depends on the type of shank of the fixture being used, usually slotted or shouldered.

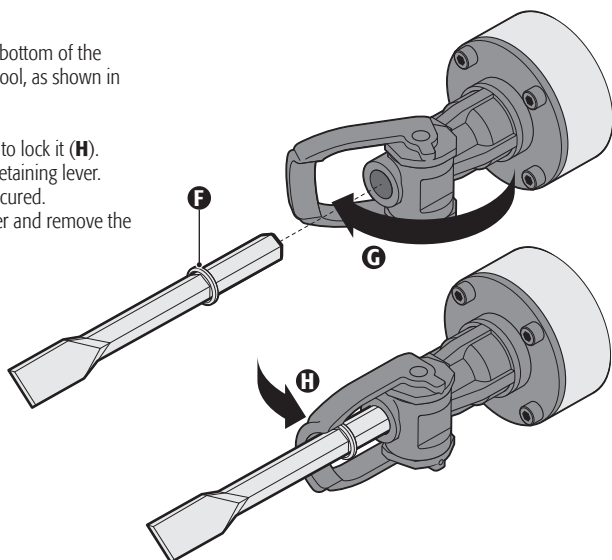
SLOTTED ACCESSORIES (C)

- Move the retention lever to the bottom of the fastener without reaching the tool axis, as shown in the image (D).
- Insert the accessory into the fastener; ensure that the attachment slot is parallel to the retention lever.
- Return the lever to its original position to lock the attachment (E).
- Pull the bit to confirm that it is fully secured.
- To remove the accessory, move the lever to the tip of the drill chuck and remove the accessory.



ACCESSORIES WITH SHOULDER (F)

- Move the retention lever towards the bottom of the fastener until it exceeds the axis of the tool, as shown in the image (G).
- Insert the accessory into the fastener.
- Return the lever toward the accessory to lock it (H).
- Make sure the shoulder is inside the retaining lever.
- Pull the bit to confirm that it is fully secured.
- To remove the accessory, pull the lever and remove the accessory.

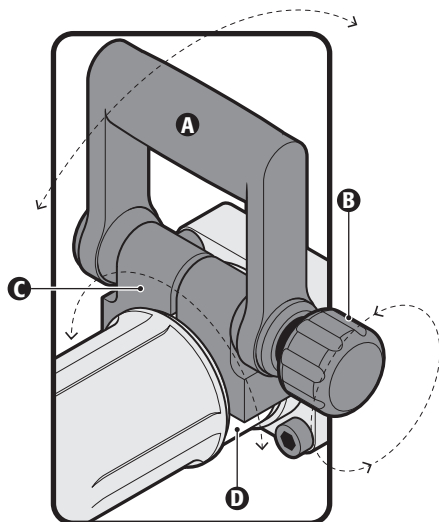


Adjustments

Auxiliary handle

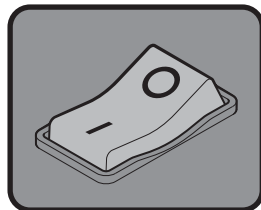
⚠ CAUTION Operate the power tool only with the auxiliary handle installed (A).

- The auxiliary handle can be rotated to any position and tilted back and forth for safe, low-fatigue positioning.
- Turn the auxiliary handle knob (B) counterclockwise to loosen the mount (C) and place the auxiliary handle in the desired position.
- Then retighten the auxiliary handle knob by turning clockwise.
- Make sure the band of the mount (D) is positioned in the proper section of the housing.



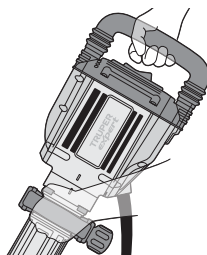
ON AND OFF

- To turn on the demolition unit, press "I" on the switch.
- To turn it off press "O" on the switch.



Operation

- Hold the tool firmly with both hands.
- Turn it on and apply light pressure to it to prevent kickback.
- Over-pressing with the tool will not improve efficiency.



Maintenance

Cleaning and care

- Clean the machine with a soft cloth, moistened with soap and water, preferably after each use.
- Always keep the vents clean and unobstructed to ensure proper engine cooling.
- Regularly inspect all mounting screws and make sure they are properly tightened. If any of the screws are loose, tighten them immediately.

Lubrication

- The demolition hammer crankshaft is lubricated with low viscosity grease so that it can be used for a long period without the need to replace the grease.
 - Go to a TRUPER Authorized Service Center to replace the grease in case of leakage.
- ⚠ WARNING** Applying non-recommended grease will stick to the machine and reduce its useful life.

Carbon brush replacement

- The carbon brushes must be checked periodically, and always replaced by a TRUPER Authorized Service Center when they have worn out.
- After they have been replaced, ask for them to inspect if the new carbon brushes can move freely in the carbon holder and ask them to turn the tool on for 5 minutes to match the contact of the brushes and the switch.
- Only TRUPER original spare carbon brushes should be used, specifically designed with the right hardness and electrical resistance for each type of motor. Out-of-spec coals can damage the engine.
- When changing carbon brushes always replace both coals.

Service

- Servicing of the tools must be performed only at a TRUPER Authorized Service Center. Service and maintenance by unqualified persons can be dangerous and can cause personal injury in addition to invalidating the product warranty.

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.

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AGUASCALIENTES, AGS. TEL.: 449 994 0537

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MPIO. UMANÍ, C.P. 97390, MÉRIDA, YUC.
TEL.: 999 912 2451

Code**100893****Model****MADE-20NX****Brand****TRUPER**
expert

Warranty. Duration: 5 years. 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:

