

[manuals.plus](#) /

› [ATD](#) /

› [ATD Tools 720 20-Piece Punch and Chisel Set Instruction Manual](#)

ATD 720

ATD Tools 720 20-Piece Punch and Chisel Set Instruction Manual

Model: 720

PRODUCT OVERVIEW

The ATD Tools 720 20-Piece Punch and Chisel Set is a comprehensive collection of tools designed for various metalworking and general mechanical applications. This set includes a variety of pin punches, starter punches, center punches, and flat chisels, all crafted from high-quality chrome vanadium steel for durability and performance.



Image: The ATD Tools 720 20-Piece Punch and Chisel Set displayed in its blue roll-up storage pouch. The set includes various sizes of punches and chisels, neatly organized within the pouch.

Set Components:

- **Pin Punches (6):** 3/32 inch, 1/8 inch, 5/32 inch, 3/16 inch, 1/4 inch, 5/16 inch
- **Starter Punches (5):** 1/8 inch, 5/32 inch, 3/16 inch, 1/4 inch, 5/16 inch
- **Center Punches (3):** 1/4 inch, 3/8 inch, 1/2 inch
- **Flat Chisels (6):** 1/4 inch, 3/8 inch, 1/2 inch, 5/8 inch, 3/4 inch, 7/8 inch

The set is provided with a convenient roll-up storage pouch for organization and portability.

SAFETY INFORMATION

Always observe the following safety precautions when using punches and chisels:

- Wear appropriate personal protective equipment (PPE), including safety glasses or goggles, to protect against flying debris.
- Ensure the workpiece is securely clamped or supported to prevent movement during striking.
- Use a hammer of appropriate weight and type for the task. Avoid using oversized or undersized hammers.
- Inspect punches and chisels before each use for signs of wear, mushrooming, or cracking. **Do not use damaged tools.**
- Strike the tool squarely and firmly. Avoid glancing blows.
- Keep hands and fingers clear of the striking area and the cutting edge.
- Store tools properly in their roll-up pouch to prevent damage and corrosion.
- Keep out of reach of children.

SETUP AND PREPARATION

Before using the punch and chisel set, ensure your workspace is clean, well-lit, and free of obstructions. Gather all necessary additional tools, such as a hammer, vise, and safety equipment.

1. Unroll the storage pouch and select the appropriate punch or chisel for your task.
2. Verify the tool is clean and free from any defects or damage.
3. Put on all required personal protective equipment, especially eye protection.
4. Secure the material you will be working on. For example, use a vise to hold metal securely when using chisels or punches.

OPERATING INSTRUCTIONS

Using Punches:

Punches are used to drive out pins, align holes, or mark centers for drilling.

- **Pin Punches:** Used to drive out pins or rivets after they have been loosened by a starter punch. Select a pin punch slightly smaller than the pin being removed.
- **Starter Punches:** Used to loosen tight or stuck pins. They have a short, stout taper to withstand heavy blows.
- **Center Punches:** Used to create an indentation in metal before drilling, preventing the drill bit from wandering. Place the tip precisely where the hole is desired and strike with a hammer.

To use a punch, hold it firmly and vertically against the workpiece. Strike the head of the punch with a hammer, applying controlled force. For driving pins, use successive blows until the pin is removed or driven flush.

Using Chisels:

Chisels are used for cutting, shaping, or removing material, particularly metal.

- **Flat Chisels:** Ideal for cutting off rivet heads, splitting nuts, or general cutting of metal. Hold the chisel at the appropriate angle for the cut, typically between 30-45 degrees relative to the surface.

To use a chisel, position the cutting edge against the material at the desired angle. Strike the head of the chisel with a hammer, applying consistent force. For longer cuts, reposition the chisel and strike again, overlapping slightly to ensure a continuous cut.

MAINTENANCE AND CARE

Proper maintenance extends the life and ensures the safe operation of your ATD Tools punch and chisel set.

- **Cleaning:** After each use, wipe down tools to remove dirt, grease, and metal shavings. A clean cloth is usually sufficient.
- **Sharpening:** Chisels and punches may require occasional sharpening to maintain their effectiveness. Use a grinding wheel or file, ensuring the correct angle is maintained for the cutting edge or tip. Cool the tool frequently to prevent overheating.
- **Inspection:** Regularly inspect the striking end of punches and chisels for mushrooming or chipping. If mushrooming occurs, grind the head back to its original shape to prevent metal fragments from breaking off during use.
- **Storage:** Store the tools in the provided roll-up pouch in a dry environment to prevent rust and corrosion.
- **Lubrication:** Apply a light coat of oil to tools if they are to be stored for extended periods or in humid conditions.

TROUBLESHOOTING

Most issues with punches and chisels relate to improper use or lack of maintenance.

Problem	Possible Cause	Solution
Tool tip/edge dulls quickly	Improper sharpening angle; excessive force; working on hardened materials.	Resharpener to correct angle; use appropriate force; ensure material is suitable for tool.
Mushrooming of striking end	Repeated heavy striking; improper hammer use.	Grind off mushroomed material; use a hammer with a flat face; ensure square strikes.
Tool slips or bounces	Improper angle; dull tip/edge; unstable workpiece.	Adjust angle; sharpen tool; secure workpiece firmly.
Rust or corrosion	Improper storage; exposure to moisture.	Clean and dry tools after use; store in dry environment; apply light oil for long-term storage.

SPECIFICATIONS

Attribute	Detail
Brand	ATD
Model Number	720

Attribute	Detail
Set Contents	20-Piece: 6 Pin Punches, 5 Starter Punches, 3 Center Punches, 6 Flat Chisels
Material	High quality Chrome Vanadium Steel
Handle Material	Alloy Steel
Blade Edge	Straight (for chisels)
Item Weight	4.97 pounds
Product Dimensions	2 x 3 x 4 inches (packaging/overall)
UPC	663126007201

WARRANTY AND SUPPORT


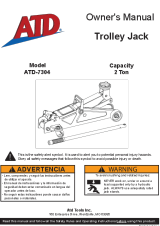
For information regarding warranty coverage, product support, or to inquire about replacement parts, please contact ATD Tools customer service. Refer to the packaging or the official ATD Tools website for the most current contact information and warranty details.

Note: Specific warranty terms may vary by region and retailer. Always retain your proof of purchase.



© 2023 ATD Tools. All rights reserved.

Related Documents - 720

	<p>ATD Bench Grinder Owner's Manual: ATD-10556 & ATD-10558</p> <p>Comprehensive owner's manual for ATD Bench Grinders, models ATD-10556 (6-inch) and ATD-10558 (8-inch). Covers safety, operation, maintenance, troubleshooting, and parts. Features detailed instructions for safe and effective use.</p>
	<p>ATD ATD-7304 Trolley Jack Owner's Manual</p> <p>Comprehensive owner's manual for the ATD ATD-7304 Trolley Jack, covering safety precautions, operating instructions, maintenance procedures, troubleshooting common issues, replacement parts, and warranty information.</p>



[ATD-80365 LED Underhood Light: Owner's Manual & Warranty](#)

Owner's manual and warranty details for the ATD-80365 2,000 Lumen Corded/Cordless LED Underhood Light. Features include a human body sensor, 25' cord, and adjustable hooks. Covers operation, safety, replacement parts, and warranty terms.



[ATD-30335A 30-Inch Oscillating Pedestal Fan - User Manual & Safety Guide](#)

Comprehensive owner's manual for the ATD-30335A 30-inch oscillating pedestal fan, covering features, specifications, safety warnings, assembly, operation, cleaning, maintenance, and warranty.



ATD-3302 25 Piece Master Cooling System Pressure Test Kit Owner's Manual

Owner's manual for the ATD-3302 25 Piece Master Cooling System Pressure Test Kit, detailing features, applications, operating instructions, safety precautions, and vehicle compatibility.



[ATD-5954 1500W Power Inverter Owner's Manual: Features, Safety, and Operation](#)

Detailed owner's manual for the ATD-5954 1500W Power Inverter. Covers specifications, safety guidelines, connection instructions, troubleshooting, and warranty information from ATD Tools.