



16 PC. PUNCH AND CHISEL SET

OPERATIONS MANUAL

WARNING

Read carefully and follow all instructions included with this product.

Always wear safety goggle when using a cold chisel and all struck hand tools.

Always wear safety goggles when sharpening a cutting edge and when using a striking tool.

When sharpening a tool, secure it in a bench vise.

Do NOT use grinding to sharpen. This can cause excessive heat and may result in a loss of strength and durability. Use a file or medium/fine grit stone to file away from the cutting edge in order to direct heat away from the edge.

Make sure to discard any punch that is bent, dented, cracked, chipped, or shows signs of excessive wear.

CONTENTS

INCLUDES:

5 Tapered Punches:

6-3/4" x 1/4", 6-1/4" x 3/16", 6" x 5/32"

5-3/4" x 1/8", 5-1/4" x 3/32"

3 Cold Chisels:

6-1/2" x 5/8", 6" x 1/2", 5-1/2" x 3/8"

5 Pin Punches:

5-3/4" x 1/4", 5-1/4" x 3/16", 5" x 5/32"

4-3/4" x 1/8", 4-1/4" x 3/32"

2 Center Punches:

6" x 3/16", 5" x 1/8"

1 Chisel Gauge

Includes convenient storage roll pouch

Punches

Punches are used for punching holes in metal or other materials, marking metals, driving and removing rivets and pins, aligning holes in metal. Punches are designed to be used on metals softer than the actual punch.

Do NOT use punches on stone or concrete.

Always strike the face of the punch squarely with a ball-peen hammer.

Do NOT strike the punch with a nail hammer.

Always strike the punch with a light, cautious blow at the beginning of a task to determine the relative hardness of the material being punched.

The original point should be restored. For taper punches, they should be restored to 30 degrees. For center punches, they should be restored to 60 degrees.

Pin, rivet, and alignment punches should be flat and square with axis of the tool.

Chisels

Cold chisels are used for cutting, shaping, or removing metals softer than the actual chisel such as cast or wrought iron, non-hardened steel, aluminum, copper, or brass.

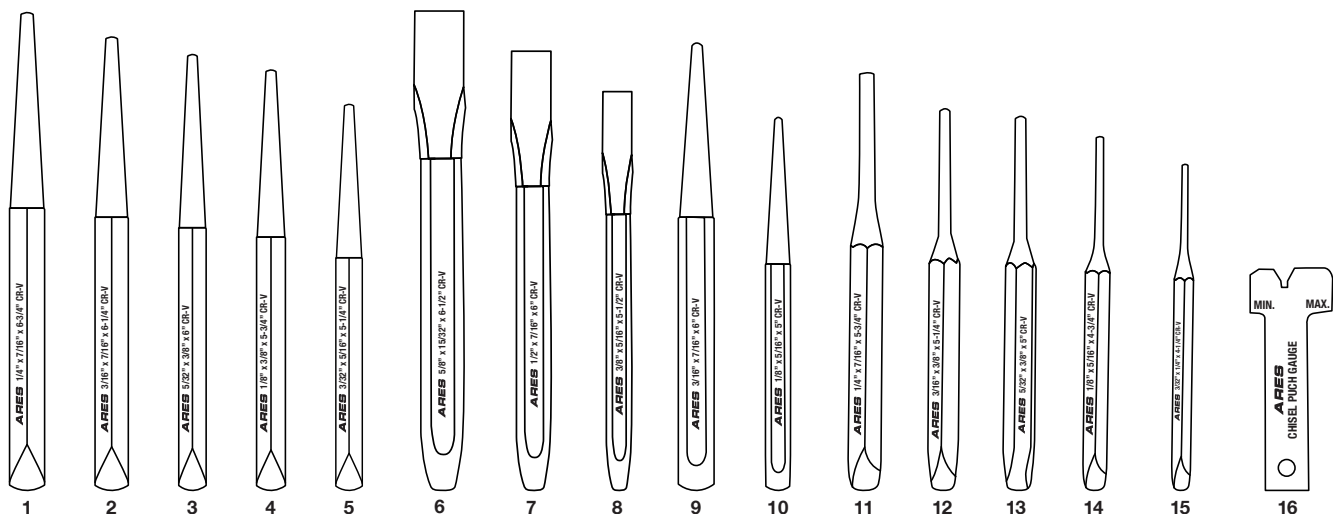
Do NOT use a cold chisel on stone, concrete, or on metals that are harder than the chisel. The chisel has a cutting edge on one end, and a struck face on the other end which can be struck with a ball-peen or machinists hammer.

Do NOT strike with a nail hammer.

Do NOT strike anywhere except the struck face.

Always strike the chisel with a light, cautious blow at the beginning of a task to determine the relative hardness of the metal to be worked.

The original contour of the cutting edge or point should be restored. Flat, cold chisels should be restored to a bevel angle of 70 degrees. Make sure to discard any cold chisel that is bent, dented, cracked, or shows signs of excessive wear.



PART LIST

Index No.	Description	QTY.	Index No.	Description	QTY.
1	1/4" x 7/16" x 6-3/4" Taper Punch	1	9	3/16" x 7/16" x 6" Center Punch	1
2	3/16" x 7/16" x 6-1/4" Taper Punch	1	10	1/8" x 5/16" x 5" Center Punch	1
3	5/32" x 3/8" x 6" Taper Punch	1	11	1/4" x 7/16" x 5-3/4" Pin Punch	1
4	1/8" x 3/8" x 5-3/4" Taper Punch	1	12	3/16" x 3/8" x 5-1/4" Pin Punch	1
5	3/32" x 5/16" x 5-1/4" Taper Punch	1	13	5/32" x 3/8" x 5" Pin Punch	1
6	5/8" x 15/32" x 6-1/2" Cold Chisel	1	14	1/8" x 5/16" x 4-3/4" Pin Punch	1
7	1/2" x 7/16" x 6" Cold Chisel	1	15	3/32" x 1/4" x 4-1/4" Pin Punch	1
8	3/8" x 5/16" x 5-1/2" Cold Chisel	1	16	CHISEL PUCH GAUGE	1

WARRANTY

You are backed by the ARES Tool Performance Assurance!

ARES TOOL warrants this product (excluding carrying cases and storage accessories and the product categories set forth below) to the original purchaser for its useful life (not to exceed one year for products with electrical or electronic components) against defects and deficiencies in material and workmanship.

This **LIMITED LIFETIME WARRANTY** does not cover products which in ARES Tool's judgement have been subject to negligence, misuse, abuse, accident, improper storage, alteration, improper repair, disassembly and/or reassembly. Normal wear and tear are also excluded. Deficient products will be replaced or repaired.

Please call or email at (206) 453-6776 / ares@arestool.com for more details or to receive support.

This warranty excludes blades, bits, bit sockets, carrying cases, pouches, torque products, punches, dies, bulbs, fuses, batteries, and other consumables which must be replaced under normal use and service. These warranties set forth herein are the sole warranties applicable to Products and is in lieu of all other warranties, whether expressed, implied or statutory.

The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Customer's sole and exclusive remedy for breach of this Warranty is, at the option of **ARES TOOL**, repair or replacement of the defective product.

Please visit us at WWW.ARESTOOL.COM to register your product and sign up for our ARES Tool Club

F12 MADE IN CHINA
HECHO EN CHINA
FABRIQUÉ À CHINA



WARNING:
Cancer and Reproductive Harm-
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ALWAYS WEAR EYE
PROTECTION THAT COMPLIES
WITH ANSI STANDARD

