

Cutters &amp; Pliers

Wire strippers

Crimpers

Tweezers

Screwdrivers &amp; Wrenches

Metal working

Parts boxes

Tool cases

Tool kits

Soldering irons &amp; Solder

Parts &amp; Solder removal equipment

Measuring instruments

Optical equipment

Artistic products

Clean products

Chemical products

Maintenance &amp; Safety products

Milling machine

Pattern cutters

Desk drill presses

Circular saws

PCB cutter

Band saw

Sheet metal bender

Drilling tools

Polishing pads

Pipe cutter

Files

Sand blaster

**K-88** HAND NIBBLING TOOL

DISCON.

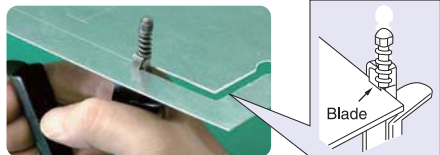
■ Cutting capacity \*1: For copper and pure aluminum:  
0.5 to 2.0 mm sheet thickness

For steel sheet: 0.3 to 0.6 mm sheet thickness  
■ OAL: 173mm

■ Weight: 190 g

\* A 10 mm $\phi$  prepared hole is required for drilling.

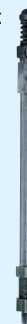
\* 1 Restricted to materials which have not heat treated.



## ■ Replacement part

**K-881**  
REPLACEMENT  
BLADE

DISCON.

**K-83** CHASSIS PUNCH KIT

■ Hole-punching capacity \*1

Aluminum sheet: Sheet thickness of 1.8 mm or less.  
Steel sheet: Sheet thickness: 0.8 mm or less.

■ Set contents: Cutters 16 / 18 / 21 / 25, 30 mm $\phi$ ; nut, center-bolt, K-441

■ Weight: 480 g (does not include case)

\* 10 mm $\phi$  predrilling hole required.

\* 1 Restricted to materials which have not heat treated.



Image of a case

**K-441 to K-444** TAPER REAMERS

Part no.	Sizes mm $\phi$	Number of blades	Taper angle	OAL mm	Weight g
K-441	3 to 12	6	7°	124	65
K-442	3 to 16		10°		95
K-443	4 to 22	7	12°	149	155
K-444	4 to 32		20°		330



Rotate rightward to cut.

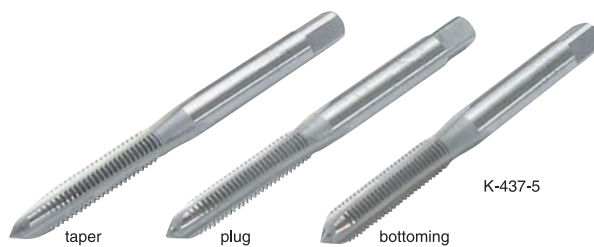


K-441

K-444

**K-437** TAP

Part no.	Set contents	Nominal size	Pitch mm	Weight g
K-437-2	taper, plug, bottoming	M2	0.4	10
K-437-3		M3	0.5	15
K-437-4	3-piece set	M4	0.7	20
K-437-5		M5	0.8	30
K-437-6		M6	1	40



taper

plug

bottoming

K-437-5

**K-431** TAP SET

■ Set contents: M3  $\times$  0.5 / M4  $\times$  0.7 / M5  $\times$  0.8

■ Weight: 95 g

\* 3 sizes of plug taps.

**K-437A / K-438A** TAP HANDLES

Part no.	Tap sizes mm	OAL mm	Weight g
K-437A	3 to 6	80	70
K-438A	2 to 10	210	150



K-437A



K-438A

⚠ Warning ● Always wear safety glasses when using this product.