

# Nippers

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# NS & NZ SERIES

**Features**

- Our micro nippers are ideal for precise PCB work.
- Made of special steel and specially heat treated for excellent cutting capacity and durability.
- Flush cutting edge recommended for cutting copper and soft lead wires.
- Soft touch grip insulation and spring ensure long comfortable work.

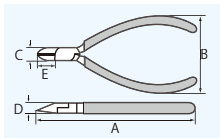
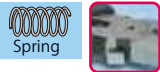


- With opening angle adjuster or stopper

## NS-03

### MICRO NIPPERS

- Ideal for small PCB related work
- With opening angle adjuster
- Material: S58C
- Hardness: HRC 58±4
- Capacity: copper wire  $\phi$  1.4mm

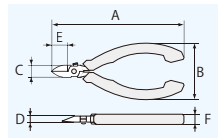
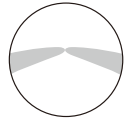


(mm)					
Size	A	B	C	D	E
125	128	52	13	7	14

## NS-04

### MICRO NIPPERS

- Ideal for small PCB related work
- With opening angle adjuster
- ESD-Safe handles made of Elastomer (TPR)
- Material: S58C
- Hardness: HRC 58±4
- Capacity: copper wire  $\phi$  1.2mm

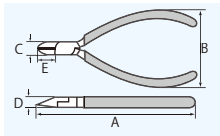
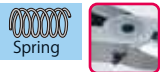


(mm)						
Size	A	B	C	D	E	F
115	120	50	13	7	14	11

## NSX-04

### MICRO NIPPERS

- Cost-saving simple structure
- With side stopper
- Material: S58C
- Hardness: HRC 58±4
- Capacity: copper wire  $\phi$  1.2mm
- Especially for production line owing to economical and ecology package in poly bag

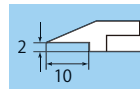
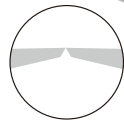


(mm)					
Size	A	B	C	D	E
115	117	51	13	7	14

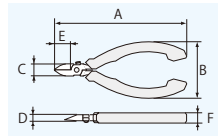
## NS-06

### MICRO NIPPERS

- Undercut design featuring thin blade
- Ideal for precise PCB related work
- With opening angle adjuster
- Material: S58C
- Hardness: HRC 58±4
- Capacity: copper wire  $\phi$  0.8mm



Under cut



(mm)					
Size	A	B	C	D	E
105	112	50	10	7	12

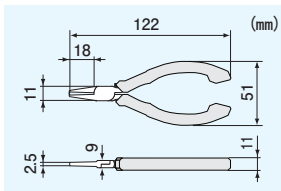
■ Nippers cutting capacities (Reference only)

Item No.	Commodity	Size	Copper wire		Steel wire ( $\phi$ )	Others	Page
			Solid ( $\phi$ )	Stranded(mm <sup>2</sup> )			
NS-03	Micro Nippers	125	1.4	2			16
NS-04	Micro Nippers	115	1.2	2			16
NSX-04	Micro Nippers	115	1.2	2			16
NS-06	Micro Nippers	105	0.8				16
NZ-03	Chip Cutter	125	0.6				17
NZ-05	Chip Cutter	125	0.6			also applicable to plastic gate	17
NZ-12	Parallel Nippers	125	0.6				17
NZ-13	Parallel Nippers	125	0.6				17
NP-03	Plastic Nippers	125				Injection molding gate $\phi$ 3mm	19
NP-04	Plastic Nippers	150				Injection molding gate $\phi$ 3mm	19
NP-05	Plastic Nippers	115	0.8			Injection molding gate $\phi$ 3mm	19
NK-15	Diagonal Nippers	125	2.6	2	1.5		18
NK-16	Diagonal Nippers	150	3	2	1.9		18
NK-25	Diagonal Nippers	125	2.6	2	1.5	Stripping hole $\phi$ 1.2 & 1.6mm	18
NK-26	Diagonal Nippers	150	3	2	1.9	Stripping hole $\phi$ 1.2 & 1.6mm	18
NK-36	Diagonal Nippers	150	3.2		2	Vinyl insulated cable $\phi$ 1.6mm	18
NN-45	Slant Edge Nippers	125	2	2	1.2	Stripping hole $\phi$ 1.2 & 1.6mm	19
NN-46	Slant Edge Nippers	150	2.6	2	1.4	Stripping hole $\phi$ 1.2 & 1.6mm	19
NN-56	Slant Edge Nippers	150	2.6	2	1.4		19

**NZ-03**

**RoHS CHIP CUTTER**

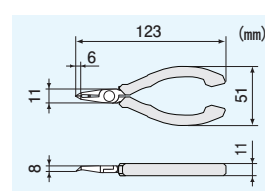
- Opening angle adjuster (Max. 5mm) with 1.5mm hex key wrench included
- Sharp & slender design of jaws for work on dense circuit board
- ESD-Safe handles made of Elastomer (TPR)
- Material: S58C
- Hardness: HRC 58±4
- Capacity: copper wire  $\phi 0.6\text{mm}$
- Applications: Removal of chip resistance, IC, etc. on SMD



**NZ-05**

**RoHS CHIP CUTTER**

- Opening angle adjuster (Max. 5mm) with 1.5mm hex key wrench included
- Full-flush cut & slender design for work on circuit board
- ESD-Safe handles made of Elastomer (TPR)
- Material: S58C
- Hardness: HRC 58±4
- Capacity: copper wire  $\phi 0.6\text{mm}$
- Applications: Leads of Dual In-line Package or Single In-line Package IC on SMD

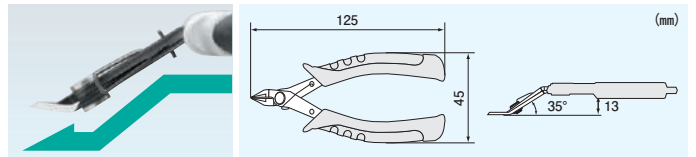


**NZ-12G·13G**

**RoHS MICRO CUTTER**

**Full flush & super-fine cutting edge**

- Ideal to cut an IC lead of a narrow-pitch QFP or SOP with slender shears (0.3mm+0.3mm width at top)
- Flush cut of leads, prevents resist stripping or solder crack on a circuit board
- ESD-Safe handles made of Elastomer (TPR)
- Cutting capacity : Copper wire  $\phi 0.6\text{mm}$
- Light weight of 45g only



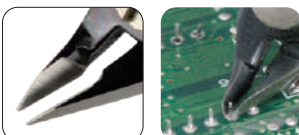
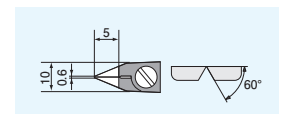
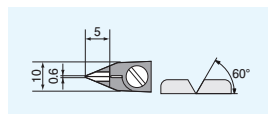
**SHEARS & GRIP IN PARALLEL**



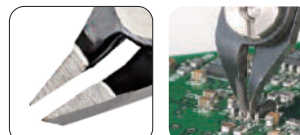
NZ-12G



NZ-13G



**NZ-12 : Normal Blade**  
Enables you to make flush cut of a lead easily so as to prevent resist stripping or solder crack on the circuit board



**NZ-13 : Reverse Blade**  
Enables you to cut IC lead in front of user with the best view while holding nippers vertically against circuit board

SCREW REMOVAL

SCISSORS

NIPPERS

PLIERS

CRIMPING STRIPPING

TWEEZERS

SCREW DRIVERS

SPECIAL DRIVERS

WRENCHES

CUTTING PROCESSING

SETS CASES

SOLDERING EQUIPMENT

ESD CHEMICALS

**NK-15·16**



**DIAGONAL NIPPERS**

Sharp & durable cutting for precision wiring work

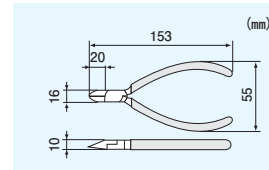
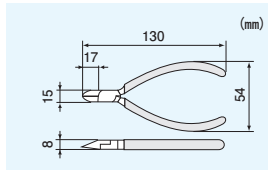
- With opening angle adjuster & coiled spring
- Material: S55C
- Hardness: HRC 58±4
- Capacity (copper wire) : NK-15  $\phi$  2.6mm  
NK-16  $\phi$  3mm



NK-15



NK-16



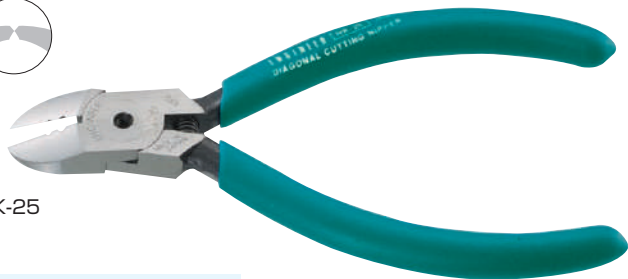
**NK-25·26**



**DIAGONAL NIPPERS**

Precision cutter with wire stripper

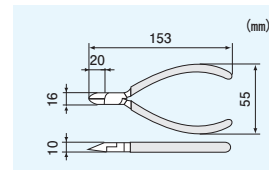
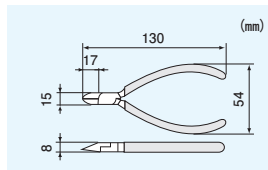
- With opening angle adjuster & coiled spring
- Stripping holes:  $\phi$  1.2 & 1.6mm
- Material: S55C
- Hardness: HRC 58±4
- Capacity (copper wire) : NK-25  $\phi$  2.6mm  
NK-26  $\phi$  3mm



NK-25



NK-26



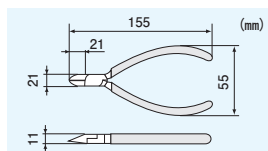
**NK-36**



**HEAVY DUTY DIAGONAL NIPPERS**

Heavy-duty durable cutter

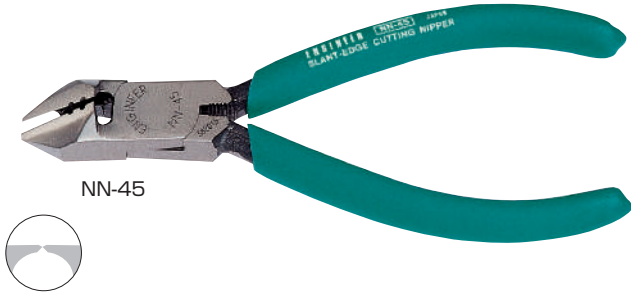
- Material: S58C
- Hardness: HRC 60±4
- Capacity: copper wire  $\phi$  3.2mm



**NN-45·46**  **SLANT EDGE NIPPERS**

Professional type for sharp & easy use 

- Stripping holes:  $\phi$  1.2 & 1.6mm
- Material: S58C
- Hardness: HRC 58 $\pm$ 4



NN-45

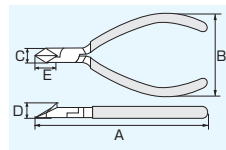
Item No.	Size	A	B	C	D	E	Capacity
NN-45	125	133	51	14	10	23	copper wire $\phi$ 2mm
NN-46	150	159	51	16	11	26	copper wire $\phi$ 2.6mm

(mm)

**NN-56**  **SLANT EDGE NIPPERS**

Sharp cutting & easy handling 

- Material : S58C
- Hardness : HRC 58 $\pm$ 4
- Capacity : copper wire  $\phi$ 2.6mm

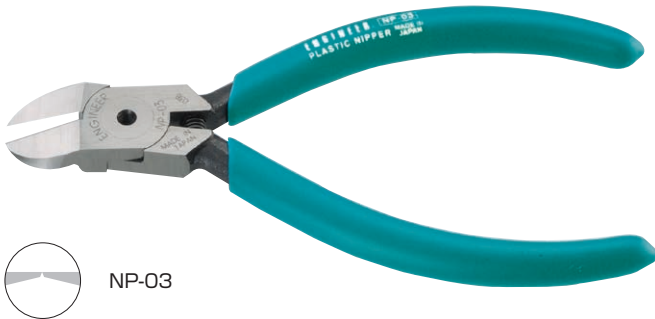


Size	A	B	C	D	E
150	159	51	16	11	26

(mm)

**NP-03·04**  **PLASTIC NIPPERS**

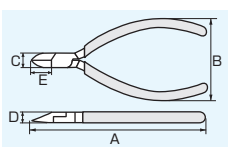
- Ideal for cutting plastic mold gates & burns
- Full-flush cutting edge
- With opening angle adjuster & coiled spring
- Material: S58C
- Hardness: HRC 58 $\pm$ 4



NP-03



NP-04



Item No.	Size	A	B	C	D	E
NP-03	125	130	54	14	8	17
NP-04	150	152	55	16	10	20

(mm)

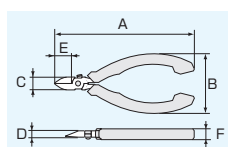
**NP-05**  **PLASTIC NIPPERS**

Tapered and slender head for work in restricted area

- Ideal for cutting and trimming various gates of injection molding
- Also capable of cutting thin copper wire ( $\phi$ 0.8mm max.)
- ESD-Safe handles made of Elastomer (TPR)
- With side stopper & coiled spring
- Material: S58C
- Hardness: HRC 59 $\pm$ 3



NP-05



Item No.	Size	A	B	C	D	E	F
NP-05	115	123	52	11	7	12	11

(mm)

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