MUROMOTO TEKKO CO., LTD.

nile air tools

MERRY

Manufacture.
Merry-Brand, Hand Tool &
Nile-Brand, Pneumatic Tools

MUROMOTO TEKKO CO., LTD.

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AGENT

Specifications are subject to change without notice.

MERRY & NILE CATALOG
MUROMOTO TEKKO CO., LTD.

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Make advances!
"NILE" BRAND AIR TOOLS!

nile air tools

Professional tools!
"MERRY" BRAND HAND TOOLS!

MERRY

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MUROMOTO TEKKO CO., LTD.

Technical capabilities and achievements

Our "Merry" brand has a history of 90 years and "NILE" brand has a history of 50 years.
We have been producing various work tools and air tools until now.
Even a piece of any type of specialized blade can be designed and manufactured to meet your particular application, so we received a favorable reception from many customers so far.
We will continue to provide high-value-added products aim to further technological upgrading high-precision, high-quality, of workers in the future.

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ATTENTION !!

Before using the tools, observe the following general notes and read operation manual carefully for safety and correct operation.

" NILE " AIR TOOLS

- Keep air supply closed always while the tools are out of service for inspection, replacement of cutting blade and after use.

- As the air tools deliver extreme cutting and pressing power, NEVER touch the cutting blades or put the hands/fingers close to the cutting blade.
- Make sure to use safety glasses when operating the tools to protect operators eyes from flying cat pieces.
- Employ the recommended air pressure for operation. Higher air pressure will cause various troubles of the tools.

" MERRY " HAND TOOLS

- Do not apply the tools to cut unsuitable subjects. Unsuitable application of the tools will cause damage of the cutting blades and flying pieces of the broken pieces of the cutting blades.

- The cutting blades have very sharp cutting edges. Never touch the cutting blades or put the hands/fingers close to the cutting blades.
- Make sure to use safety glasses when operating the tools.

IN ADDITION, STRICTLY OBSERVE YOUR LOCAL SAFETY REGULATIONS FOR CUTTING EQUIPMENTS.

NOTES TO USERS

Before using the tools, you should first thoroughly read the following warnings and cautions for safety and correct operation. In addition, observe strictly all your local safety regulations for cutting tools and related equipments.

WARNINGS:

Working conditions for air tools

1. Air pressure : Supply recommended air pressure by using pressure gauges and control valves. Higher air pressure will cause damages and accidents.
2. Power source : Use only air compressed by air compressors. Do not use any other power source,such as high pressure gas of oxygen, acetylene, propane, etc. which will cause explosive hazard.
3. Air hose : Use air hoses of proper size and quality to suit the tools and application. Air hoses should be oil-proof and abrasion-proof in quality. Do not use old and decrepit air hoses. Do not use excessively long air hose of more than 5M.
4. Fittings for air hose : Attach and fix all fittings securely to air hoses and air tools. Accidentally disconnected air hose, caused by imperfect fixing, flies around to cause hazard.

Working environment

1. Keep working places sufficiently bright, clean and ordered : Dark and/or disordered working places may cause accident.
2. Never use air tools in or near any inflammable and explosive goods or environment.

Working wear

1. Put on proper and perfect-fitting working wear : Do not put on loose or imperfect wear and such ornaments as necklaces. Put on working caps to set long hair off the tools.
2. Use proper protective guards such as helmets, safety glasses, earplugs, dust-proof masks, safety shoes, etc. to meet each job.

Use of air tools

1. Securely fix the subject to work for with air tools. Insufficiently-fixed work pieces may fly off to cause personal injury or material damage. Do not put fingers/ hands or cloth near to cutting blades or any other activating parts or accessories of air tools. Do not operate air tools in an irrational/ unjustifiable physical posture. Hold the tools securely and keep a stabilized working body balance. Do not make sudden start of operation. Make sure if the throttle valve of air tools is shut off when connecting to air hoses. Keep the throttle lever of air tools off while carrying the tools by hands. Do not make air tools contact electricity. Air tools are not insulated. Stop operation of air tools immediately when feeling any irregularity. Have the tools checked carefully and repaired properly.
2. Apply air tools only to recommended applications. Never use air tools for unsuitable purpose / application out of prescribed recommendations.
3. Never make any modification of air tools by yourself. The tools modified will cause accident.
4. Do not remove any integrated parts off air tools. Using air tools with any parts removed off may cause accident.
5. Shut off air supply and disconnect air tools from the air hose when air tools are kept out of use. when exchanging the attachments(cutting blades, files, saw blades, etc.), when the air tools are under maintenance service, and whenever any danger is anticipated.

CAUTIONS:

Essential cautions for use of air tools

1. Pay full attention for safety operation of the air tools without rashly or thoughtless action.
2. Do not allow any out-of-duty persons, especially children, come close to the working place.
3. Use the air tools within the rated capacity. Over-loaded operation will cause damage and trouble of air tools.
4. Exhaust air should be directed not to hit eyes and years of persons around the working area.
5. Handle the air tools carefully without abuse. Shock given to air tools by throwing or dropping on the floor may cause accident or trouble.
6. Handle the air hose carefully. Do not use the air hose for the purpose of supporting or carrying air tools. Failed/damaged air hose will cause accident.
7. Pay sufficient care for air tools not in use. Store air tools, after maintaining properly, in a dried and out of reach of children place.

Maintenance, inspection and repair

1. Never forget to check air tools before using. make sure if all assembling screws and parts are well set and not damaged. Loosen screws and imperfect parts may cause lowered tool performance or accident.
2. Do not neglect to perform regular maintenance and inspection of air tools. Safety and effective use of the air tools is assured by regular maintenance and inspection practice.
3. Ask us direct or our authorized servicing centers for repair of air tools. We shall be free from liability for any accident or problem caused by repair or treatment of air tools made by any others.

AIR CUTTERS〈HAND-HELD TYPE〉
AIR CUTTERS〈MACHINE-FITTING TYPE〉
SQUARE AIR CUTTERS
VERTICAL TYPE AIR CUTTERS / SLIDING AIR CUTTERS
SN TYPE SLIDING AIR CUTTERS
SLIDE & CUT AIR CUTTERS
STAND-HOLDER / FOOT VALVE / TIMING UNIT
AIR HEAT CUTTERS
AIR SHOT-HAMMER
AIR SHEARS / AIR PLATE SHEARS / AIR MULTI-PURPOSE SCISSORS
AIR FIL-SAWS
MINI BELTERS / AIR SQUEEZERS / CABLE CUTTERS / AIR TWISTER
CABLE STRIPPERS
CURL HOSE

nile air tools

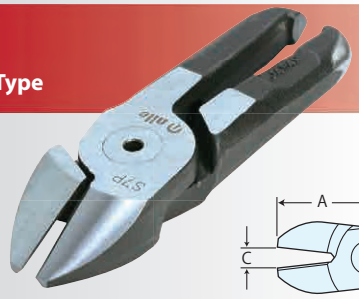
BLADE

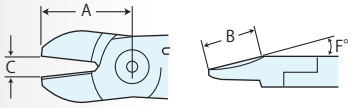
BLADE

Section of blade: Single blade | Standard | Full-flush round type | Full-flush flat type

S Type

Standard Blades

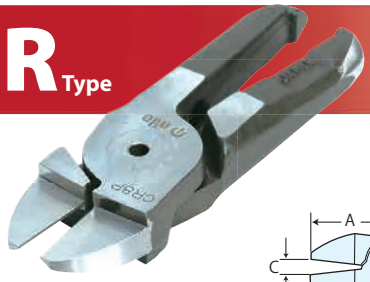


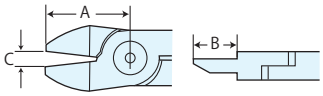


Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
S20	24.0	12.0	2.5	25	Single blade
S2	24.0	12.0	3.0	25	Single blade
S4	27.0	14.0	5.0	25	Single blade
S5A	35.0	17.0	5.5	30	Single blade
S5	35.0	17.0	7.0	30	Single blade
S250	43.0	20.0	10.0	15	Single blade
S7P1	43.0	20.0	7.0	30	Single blade
S9P1	65.0	38.0	12.0	15	Single blade
S7P	43.0	20.0	7.0	30	Single blade
S9P	66.0	38.0	16.0	15	Single blade
S120	45.0	22.0	9.0	35	Standard

CR Type

Clipper edge

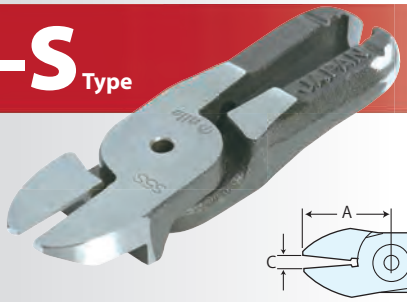


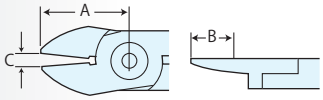


Model	Dimensions (mm)			Section of blade
	A	B	C	
CR20	24.0	13.0	2.5	Single blade
CR2	24.0	13.0	3.0	Single blade
CR4	27.0	12.5	4.5	Single blade
CR6A	35.0	18.0	5.0	Single blade
CR6	35.0	18.0	7.0	Single blade
CR250	43.0	22.0	11.0	Single blade
CR8P1	43.0	23.0	7.0	Single blade
CR8P	43.0	23.0	7.0	Single blade
CR120	60.0	35.0	11.0	Standard

S-S Type

Flat surface

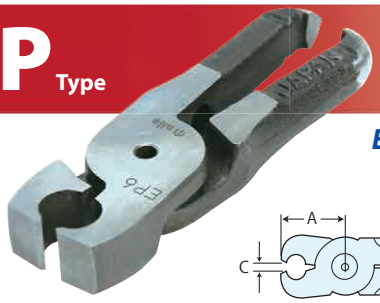


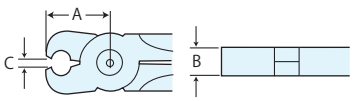


Model	Dimensions (mm)			Section of blade
	A	B	C	
S20S	24.0	12.0	2.5	Single blade
S2S	24.0	12.0	3.0	Single blade
S4S	27.0	13.0	5.0	Single blade
S5AS	35.0	17.0	5.5	Single blade
S5S	35.0	17.0	7.0	Single blade
S250S	43.0	23.0	10.0	Single blade
S7P1S	43.0	22.0	7.0	Single blade
S7PS	43.0	20.0	7.0	Single blade
S9PS	66.0	37.0	16.0	Single blade
S120S	55.0	30.0	10.0	Standard

EP Type

End cutting edge

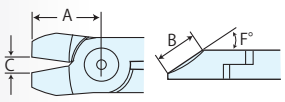




Model	Dimensions (mm)			Section of blade
	A	B	C	
EP20	20.0	7.0	2.0	Standard
EP2	20.0	7.0	2.5	Standard
EP4	26.0	9.0	4.5	Standard
EP6A	28.0	12.0	4.5	Standard
EP6	28.0	12.0	5.5	Standard
EP10P1	34.0	17.0	5.5	Standard
EP10P	34.0	17.0	5.5	Standard
EP120	40.0	25.0	8.0	Standard

P Type

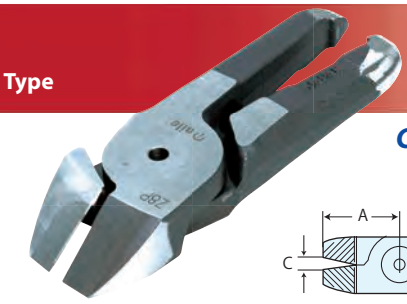
Heavy-duty

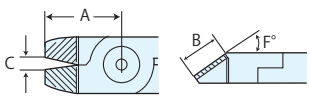


Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
P6A	29.0	12.0	4.5	35	Single blade
P6	29.0	11.0	6.0	35	Standard
P8P1	37.0	12.0	5.0	25	Standard
P8P1S	37.0	15.0	5.0	–	Standard
P8P	37.0	12.0	6.0	25	Standard
P8PS	37.0	12.0	6.0	–	Standard
P120	40.0	16.0	8.0	35	Standard

Z Type

Carbide tipped for hard wire





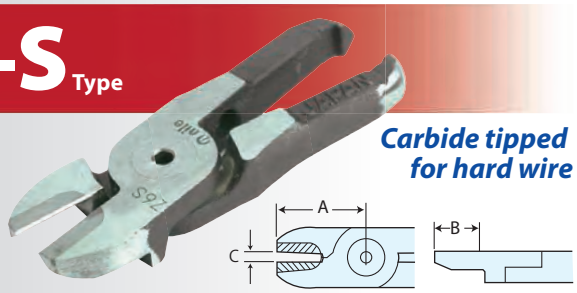
Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
Z20	24.0	11.0	2.5	25	Single blade
Z2	24.0	11.0	3.0	25	Single blade
Z4	27.0	10.0	5.0	25	Single blade
Z6A	30.0	15.0	5.0	35	Standard
Z6	30.0	15.0	6.0	35	Standard
Z8P1	38.0	20.0	5.0	40	Standard
ZS7P	43.0	20.0	7.0	30	Standard
Z8P	38.0	20.0	6.0	40	Standard
Z120	40.0	17.0	7.0	35	Standard

BLADE

Section of blade	Single blade	Standard	Full-flush round type	Full-flush flat type

Z-S Type

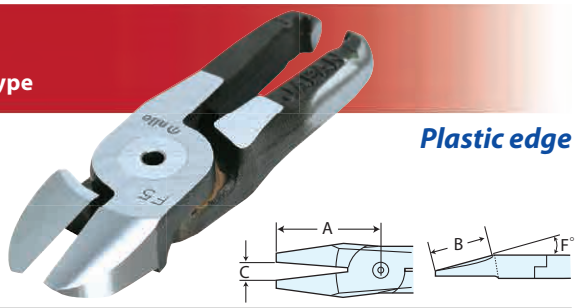
Carbide tipped for hard wire



Model	Dimensions (mm)			Section of blade
	A	B	C	
Z20S	24.0	11.0	2.5	Single blade
Z2S	24.0	11.0	3.0	Single blade
ZT7S	27.0	11.0	3.5	Single blade
Z4S	27.0	11.0	5.0	Single blade
Z6AS	34.0	16.0	6.0	Standard
Z6JS	34.0	16.0	5.0	Standard
Z6S	34.0	16.0	7.0	Standard
ZS7PS	43.0	17.0	7.0	Standard
Z8PS	40.0	20.0	7.0	Standard
Z120S	40.0	17.0	7.0	Standard

F Type

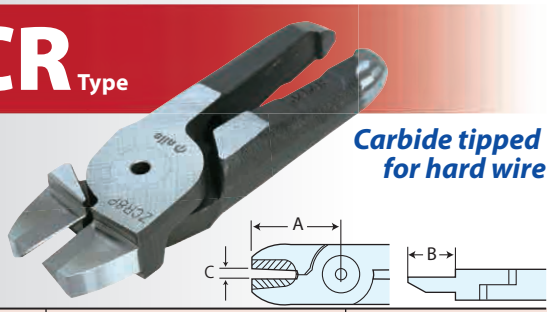
Plastic edge



Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
F10	24.0	12.0	2.5	15	Full-flush round type
F1	24.0	12.0	3.0	15	Full-flush round type
FT7	27.0	12.0	3.5	25	Full-flush round type
F3	27.0	12.0	5.0	25	Full-flush round type
F5A	35.0	15.0	5.5	15	Full-flush round type
F5J	34.0	15.0	5.0	15	Full-flush round type
F5	35.0	15.0	8.5	15	Full-flush round type
F250	43.0	22.0	13.0	15	Full-flush round type
F9P1	66.0	38.0	10.5	15	Full-flush round type
F9P	66.0	38.0	16.0	15	Full-flush round type
F9PF	66.0	38.0	30.0	15	Full-flush round type
F120	53.0	35.0	12.0	30	Full-flush round type

ZCR Type

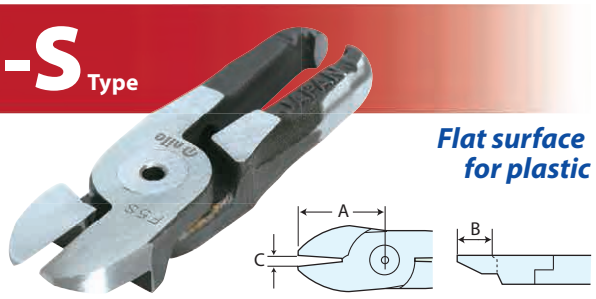
Carbide tipped for hard wire



Model	Dimensions (mm)			Section of blade
	A	B	C	
ZCR20	24.0	10.0	2.5	Single blade
ZCR2	24.0	10.0	3.0	Single blade
ZCR7	26.0	10.0	3.5	Single blade
ZCR4	27.0	10.0	5.0	Single blade
ZCR6A	35.0	16.0	7.0	Standard
ZCR6J	35.0	16.0	5.0	Standard
ZCR6	35.0	16.0	7.0	Standard
ZCR8P1	38.0	16.0	6.0	Standard
ZCR8P	38.0	16.0	7.0	Standard
ZCR120	40.0	16.0	7.0	Standard

F-S Type

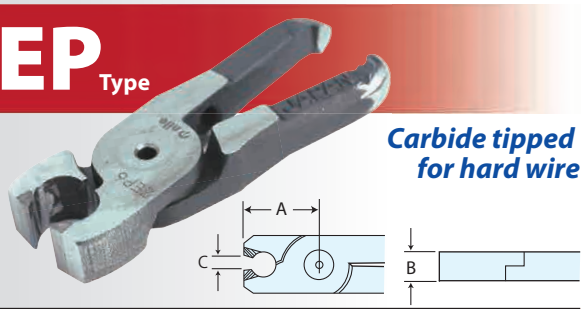
Flat surface for plastic



Model	Dimensions (mm)			Section of blade
	A	B	C	
F10S	24.0	12.0	2.5	Full-flush flat type
F1S	24.0	12.0	3.0	Full-flush flat type
FT7S	27.0	12.0	3.5	Full-flush flat type
F3S	27.0	12.0	5.0	Full-flush flat type
F3LS	50.0	30.0	8.0	Full-flush flat type
F5AS	35.0	16.0	5.5	Full-flush flat type
F5JS	35.0	17.0	5.0	Full-flush flat type
F5S	35.0	16.0	8.5	Full-flush flat type
F5LS	65.0	37.0	15.0	Full-flush flat type
F250S	43.0	23.0	13.0	Full-flush flat type
F9P1S	66.0	39.0	10.5	Full-flush flat type
F9PS	66.0	37.0	16.0	Full-flush flat type

ZEP Type

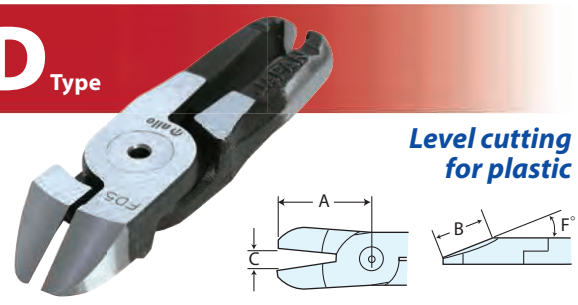
Carbide tipped for hard wire



Model	Dimensions (mm)			Section of blade
	A	B	C	
ZEP20	20.0	7.0	2.0	Standard
ZEP2	20.0	7.0	2.5	Standard
ZEP7	26.0	9.0	3.0	Standard
ZEP4	26.0	9.0	4.5	Standard
ZEP6A	28.0	12.0	5.0	Standard
ZEP6J	28.0	12.0	4.0	Standard
ZEP6	28.0	12.0	6.0	Standard
ZEP10P1	34.0	17.0	5.5	Standard
ZEP10P	34.0	17.0	5.5	Standard
ZEP120	40.0	25.0	8.0	Standard

FD Type

Level cutting for plastic

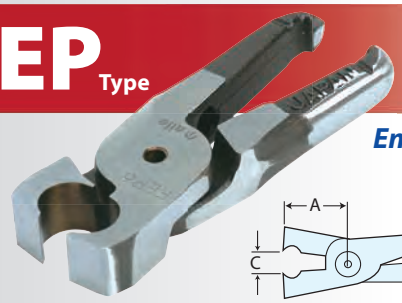


Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
FD10	24.0	10.0	2.5	40	Full-flush round type
FD1	24.0	10.0	3.0	40	Full-flush round type
FD7	27.0	10.0	3.5	40	Full-flush round type
FD3	27.0	10.0	4.5	40	Full-flush round type
FD5A	35.0	14.0	5.5	40	Full-flush round type
FD5J	34.0	14.0	5.0	40	Full-flush round type
FD5	35.0	14.0	8.5	40	Full-flush round type
FD250	43.0	15.0	13.0	40	Full-flush round type
FD9P1	59.0	27.0	9.0	30	Full-flush round type
FD9P	59.0	27.0	14.0	30	Full-flush round type
FD9PF	59.0	27.0	26.0	30	Full-flush round type

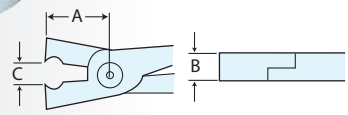
BLADE

Section of blade: Single blade | Standard | Full-flush round type | Full-flush flat type

FEP Type



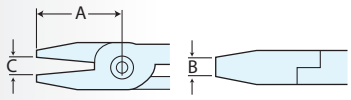
End cutting edge for plastic



Model	Dimensions (mm)			Section of blade
	A	B	C	
FEP20	20.0	7.0	2.0	Full-flush round type
FEP2	20.0	7.0	2.5	Full-flush round type
FEP7	26.0	9.0	3.0	Full-flush round type
FEP4	26.0	9.0	4.5	Full-flush round type
FEP6A	28.0	12.0	4.0	Full-flush round type
FEP6	28.0	12.0	8.5	Full-flush round type
FEP10P1	33.0	17.0	6.0	Full-flush round type
FEP10P	34.0	17.0	8.0	Full-flush round type

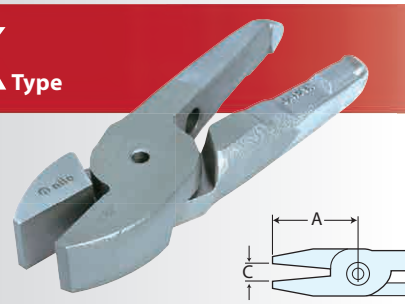
Y Type

Pincers Cross Surface

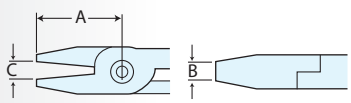


Model	Dimensions (mm)		
	A	B	C
Y20	24.0	7.0	2.5
Y2	24.0	7.0	3.0
YT7	27.0	9.0	4.0
Y4	27.0	9.0	5.0
Y6A	47.0	6.0	9.0
Y6J	47.0	6.0	6.0
Y6	47.0	6.0	10.0
Y250	45.0	12.0	14.0
Y8P1	70.0	17.0	12.5
Y8P	70.0	17.0	16.0
Y817P	65.0	17.0	16.0
Y120	60.0	25.0	13.0

K Type

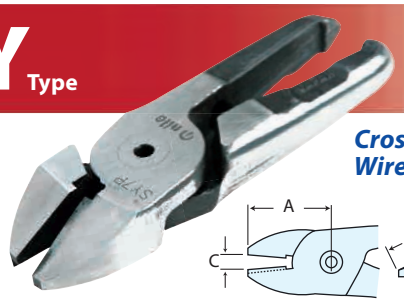


Pincers

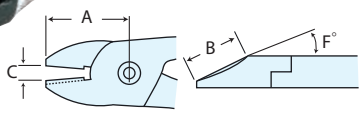


Model	Dimensions (mm)		
	A	B	C
K6A	35.0	12.0	5.5
K6J	35.0	12.0	5.0
K6	35.0	12.0	7.0
K8P1	43.0	17.0	7.0
K8P	43.0	17.0	10.0

SY Type

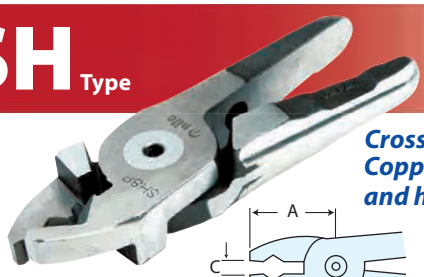


Crossing blade Wire holding type

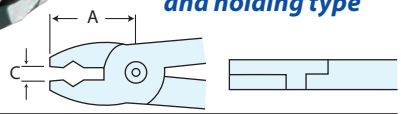


Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
SY7P	43.0	18.0	8.0	30	others

SH Type

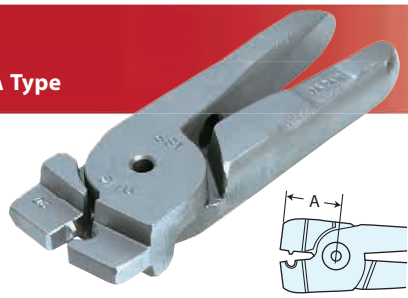


Crossing blade Copper pipe cutting and holding type

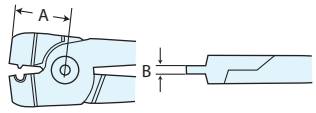


Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
SH8P	43.0	–	7.0	–	others

A Type

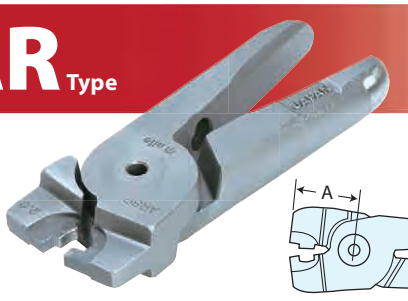


Crimping

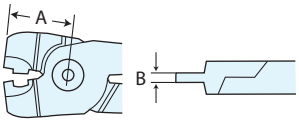


Model	Dimensions (mm)	
	A	B
A8P1-1.25	30.0	5.8
A8P1-2.0	30.0	5.8
A8P-1.25	30.0	5.8
A8P-2.0	30.0	5.8
A8P-5.5	32.0	5.8
A8WP-1.25-2.0	39.5	5.8
A8WP-2.0-5.5	39.0	6.0

AR Type



Crimping



Model	Dimensions (mm)	
	A	B
AR8P1-1.25	31.5	6.5
AR8P1-2.0	32.5	6.5
AR8P-1.25	31.5	6.5
AR8P-2.0	32.5	7.0
AR8P-5.5	34.5	6.5
AR8WP-1.25-2.0	38.5	6.5
AR8WP-2.0-5.5	40.0	6.5

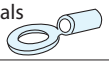
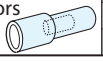
BLADE

Cutting capacity List

Model	For copper wire		For steel wire		For soft plastics		For piano wire	
	Diameter (ϕmm)	Blade	Diameter (ϕmm)	Blade	Diameter (ϕmm)	Blade	Diameter (ϕmm)	Blade
MR3	0.8	S20	–	–	1.0	F10	–	–
MR5	1.0	S2	–	–	2.0	F1	0.3	Z2
MR10	1.6	S4	1.0	S4	4.0	F3	0.5	Z4
MR20	2.6	S5	2.0	P6	7.0	F5	1.0	Z6
MP25	–	–	–	–	8.0	F250	–	–
MP25A	2.6	S5	2.0	P6	–	–	–	–
MR30A	3.3	S7P	2.8	P8P	10.0	F9P	1.2	Z8P
MP250	4.0	S7P1	3.2	P8P1	–	–	–	–
MP35A	4.8	S7P	4.0	P8P	13.0	F9P	–	–
MR50FK	–	–	–	–	12.0	F9PF	–	–
MR50AK	5.5	P120	4.5	P120	–	–	1.6	Z120
MP55AK	7.0	P120	6.0	P120	–	–	2.0	Z120

Model	For stainless wire		※For hard plastics	
	Diameter (ϕmm)	Blade	Diameter (ϕmm)	Blade
MR3	–	–	–	–
MR5	–	–	1.0	F1
MR10	–	–	2.6	F3
MR20	1.6	P6	5.0	F5
MP25	–	–	–	–
MP25A	1.6	P6	–	–
MR30A	2.0	P8P	6.5	F9P
MP250	2.3	P8P1	–	–
MP35A	2.8	P8P	–	–
MR50FK	–	–	–	–
MR50AK	3.5	Z120	–	–
MP55AK	4.3	Z120	–	–

※ Bakelite,polyacetal acrylic resin etc.

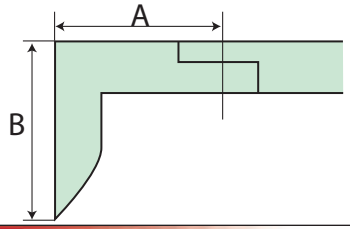
Shape of terminals	Size (sq)	Model&Blade
Ring terminals 	1.25	MR30A/A8P-1.25
	2.0	MR30A/A8P-2.0
	5.5	MP35A/A8P-5.5
Insulated connectors 	1.25	MR30A/AR8P-1.25
	2.0	MR30A/AR8P-2.0
	5.5	MP35A/AR8P-5.5

SPECIAL BLADES

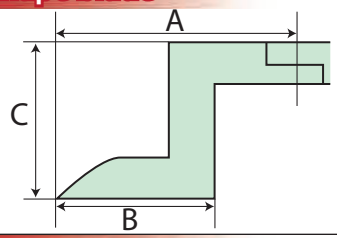
The dimensions (A,B,C,D&R) are required for designing and quoting special blades such as below illustrated.

B:length of edge R:radius D:angle

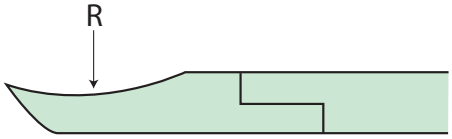
1 "L" shape blade



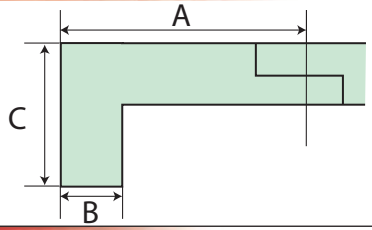
2 Crank shape blade



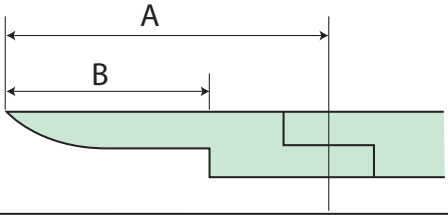
3 Radius cutting blade



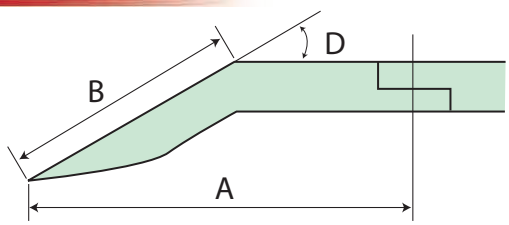
4 "L" shape end cutting blade



5 Long nose blade



※



BLADE

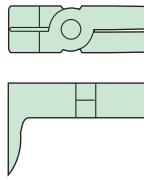
SPECIAL BLADES

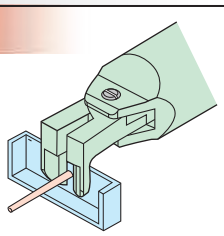
Some examples of custom-made blades

(Designed to meet your particular application.)

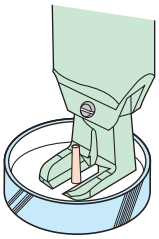
Even a piece of any type of special blade can be designed and manufactured to meet your particular application.
Samples of actual work pieces are required on inquiry for designing and quoting.

1 Plastics cutting



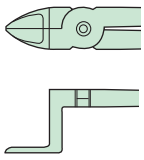


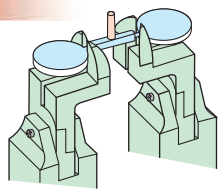
"L" shape internal blade



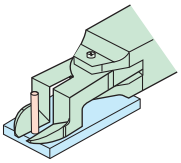
"L"shape external blade

2 Plastics cutting



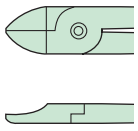


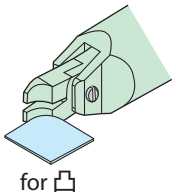
Crank shape internal blade



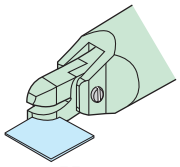
Crank shape external blade

3 Radius cutting of plastics



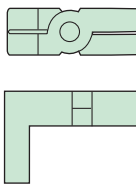


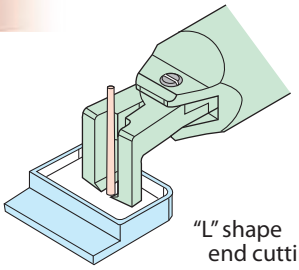
for ⌂ radius cutting



for ⌂ radius cutting

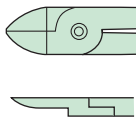
4 Plastics cutting

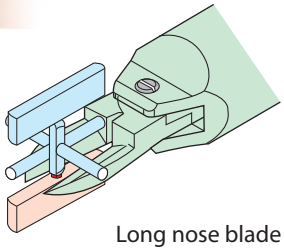




"L" shape end cutting blade

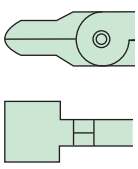
5 Plastics cutting

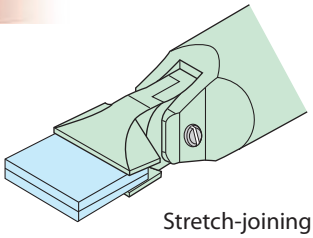




Long nose blade

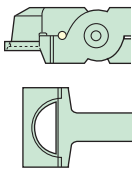
6 Pressing

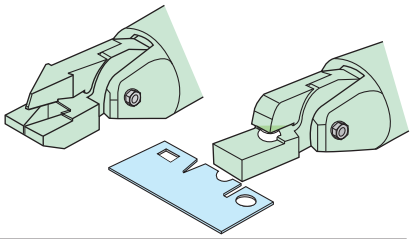




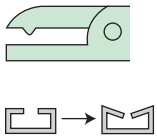
Stretch-joining

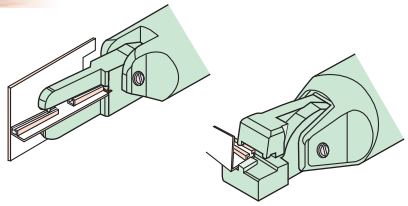
7 Punching various holes





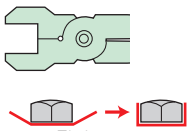
8 Sash caulking



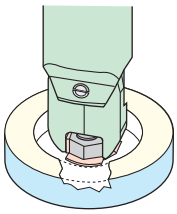


Dual caulking

9 Caulking

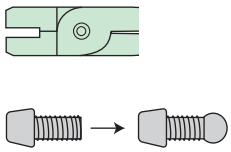


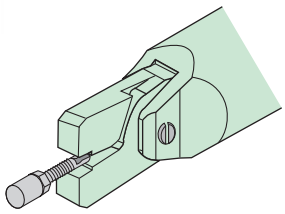
Fixing nut retainer rings



Washer caulking

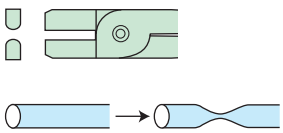
10 Crashing

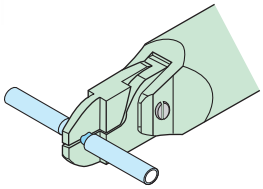




Screw crashing

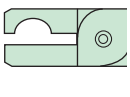
11 Pinching

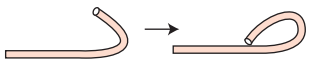


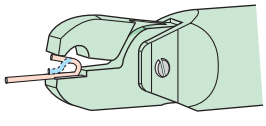


Copper pipe pinching

12 Bending







Wire bending

nile air tools

AIR CUTTERS

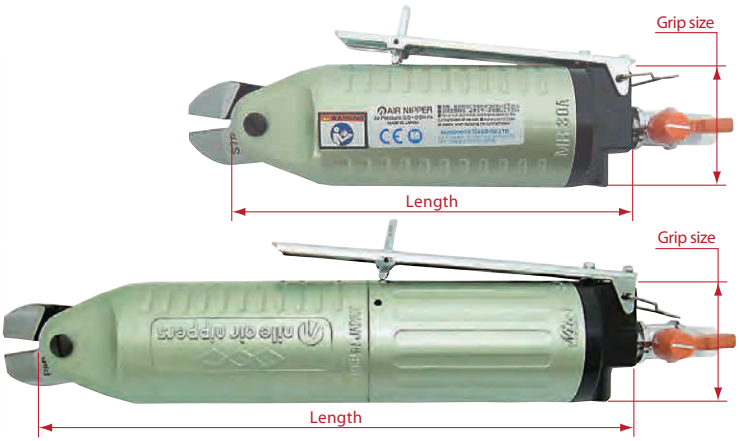
HAND-HELD TYPE

AIR CUTTERS 〈HAND-HELD TYPE〉

HAND-HELD TYPE

MR Type
Standard

MP Type
Heavy-duty



MR type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ(mm)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)
MR3	112	90	20	31	773	0.4~0.5
MR5	104	130	30	41	842	0.4~0.5
MR10	124	200	36	105	1,493	0.4~0.5
MR20	155	340	45	268	3,490	0.5~0.6
MR30A	191	520	56	631	5,531	0.5~0.6
MR50FK	198	1,170	75	1,212	3,514	0.5~0.6
MR50AK	237	1,290	75	1,285	12,060	0.5~0.6

MP type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ(mm)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)
MP3	173	120	20	48	1,090	0.3~0.4
MP5	154	200	30	68	1,234	0.3~0.4
MP10	195.5	300	36	171	2,099	0.3~0.4
MP25	204	480	45	405	2,359	0.5~0.6
MP250	250	560	45	624	6,071	0.5~0.6
MP25A	242	560	45	459	5,373	0.4~0.5
MP35A	283	830	56	1,146	10,118	0.5~0.6
MP55AK	370	2,000	75	2,569	23,026	0.5~0.6

MR type Blade cutting capacity

(ϕmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MR3	S20, S20S, CR20, EP20	0.8	0.4	–	–	–	–	–
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	–	–	–
	F10, F10S, FD10, FEP20	–	–	–	–	–	1.0	–
MR5	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
MR10	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
MR20	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–
MR30A	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	10.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25, A8P-2.0	–	–	–	–	1.25/2.0	–	–
	AR8P-1.25, AR8P-2.0	–	–	–	–	1.25/2.0	–	–
MR50FK	F9PF, FD9PF	–	–	–	–	–	12.0	6.5
MR50AK	S120, S120S, P120, CR120, EP120	5.5	4.5	3.5	–	–	–	–
	Z120*, Z120S, ZCR120, ZEP120	5.5	4.5	3.5	1.6	–	–	–
	Y120	–	–	–	–	–	–	–

Shapes & Dimensions of Standard Blades Please see page 5
Special Blades (Custom-made blades) Please see page 8

MP type Blade cutting capacity

(ϕmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MP3	S20, S20S, CR20, EP20	0.8	0.4	–	–	–	–	–
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	–	–	–
	F10, F10S, FD10, FEP20	–	–	–	–	–	1.0	–
MP5	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
MP10	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
MP25	S250, S250S, CR250	2.4	1.8	–	–	–	–	–
	F250, F250S, FD250	–	–	–	–	–	8.0	5.0
MP250	S7P1, S7P1S, P8P1, CR8P1, EP10P1	4.0	3.2	–	–	–	–	–
	Z8P1*, ZCR8P1, ZEP10P1	4.0	3.2	2.3	1.2	–	–	–
	F9P1, FD9P1, F9P1S	–	–	–	–	–	8.0	6.5
MP25A	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–
MP35A	S7P, P8P, S7PS, CR8P, EP10P, P8PS	4.8	4.0	2.8	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	4.8	4.0	2.8	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	13.0	6.5
	Y8P, K8P, Y817P,SH8P	–	–	–	–	–	–	–
	A8P-1.25/2.0/5.5, A8WP-1.25-2.0/2.0-5.5					1.25/2.0/5.5	–	–
	AR8P-1.25/2.0/5.5, AR8WP-1.25-2.0/2.0-5.5					1.25/2.0/5.5	–	–
MP55AK	S120, S120S, P120, CR120, EP120	7.0	6.0	4.3	–	–	–	–
	Z120*, Z120S, ZCR120, ZEP120	7.0	6.0	4.3	2.0	–	–	–
	F120	–	–	–	–	–	11.0	8.0
	Y120	–	–	–	–	–	–	–

AIR CUTTERS 〈HAND-HELD TYPE〉

SET A SIDE-EDGED GOING

HAND-HELD TYPE

CP Type
Standard

CP-X Type
Heavy-duty

CP type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)
CP10	132	220	36	78	675	0.4~0.5
CP20	170	400	45	227	1,758	0.5~0.6
CP30	201	630	56	438	3,175	0.5~0.6

CP-X type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)
CP20X	257	600	45	389	2,706	0.4~0.5
CP30X	293	940	56	876	5,807	0.5~0.6

CP type Blade cutting capacity

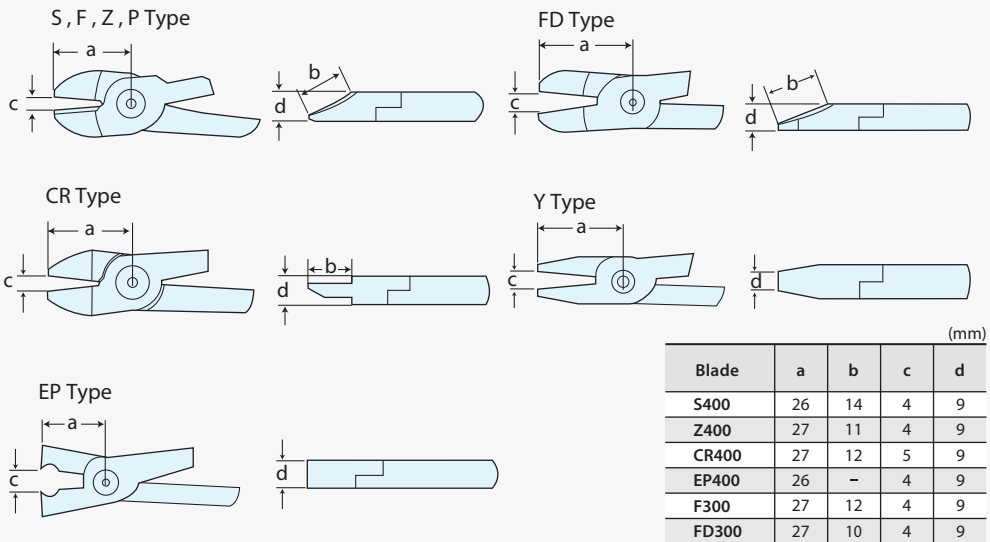
(ϕmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Plastic Soft	Plastic Hard
CP10	S400, CR400, EP400	1.6	1.0	–	–	–	–
	Z400*	1.6	1.0	–	0.5	–	–
	F300, FD300	–	–	–	–	2.6	2.6
	Y400	–	–	–	–	–	–
CP20	S500, P600	2.6	2.0	1.6	–	–	–
	EP600, CR600	2.6	2.0	1.6	–	–	–
	Z600*	2.6	2.0	1.6	1.0	–	–
	F500, FD500	–	–	–	–	6.0	5.0
	Y600	–	–	–	–	–	–
CP30	S700, S900	3.3	2.8	–	–	–	–
	P800, CR800, EP100	3.3	2.8	2.0	–	–	–
	Z800*	3.3	2.8	2.0	1.2	–	–
	F900, FD900	–	–	–	–	8.0	6.5
	Y800	–	–	–	–	–	–

CP-X type Blade cutting capacity

(ϕmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Plastic Soft	Plastic Hard
CP20X	S500, P600	2.6	2.0	1.6	–	–	–
	EP600, CR600	2.6	2.0	1.6	–	–	–
	Z600*	2.6	2.0	1.6	1.0	–	–
	F500, FD500	–	–	–	–	6.0	5.0
	Y600	–	–	–	–	–	–
CP30X	S700, S900	4.5	3.8	–	–	–	–
	P800, CR800, EP100	4.5	3.8	2.6	–	–	–
	Z800*	4.5	3.8	2.6	1.2	–	–
	F900, FD900	–	–	–	–	8.0	6.5
	Y800	–	–	–	–	–	–



(mm)

Blade	a	b	c	d
S400	26	14	4	9
Z400	27	11	4	9
CR400	27	12	5	9
EP400	26	–	4	9
F300	27	12	4	9
FD300	27	10	4	9
Y400	26	–	4.5	9

(mm)

Blade	a	b	c	d
S500	35	17	6	12
P600	28	11	5	12
Z600	32	15	5	12
CR600	35	18	6	12
EP600	28	–	5	12
F500	35	15	7	12
FD500	35	14	7	12
Y600	48	–	6	6

(mm)

Blade	a	b	c	d
S700	43	20	7	17
S900	65	38	15	17
P800	37	12	5	17
Z800	38	20	6	17
CR800	43	23	7	17
EP100	34	–	5	17
F900	66	38	10	17
FD900	59	27	10	17
Y800	70	–	9	17

nile air tools

AIR CUTTERS

MACHINE-FITTING TYPE

AIR CUTTERS 〈MACHINE-FITTING TYPE〉

Optimum for mounting on automatic machine

MACHINE-FITTING TYPE

MR-M Type
Standard

MP-M Type
Heavy-duty

MR-M type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)
MR3M	101	70	20	31	773	0.4~0.5
MR5M	84	100	30	41	842	0.4~0.5
MR10M	105	160	36	105	1,493	0.4~0.5
MR20M	121	270	45	268	3,490	0.5~0.6
MR30AM	157	470	56	631	5,531	0.5~0.6
MR50FM	173	1,040	75	1,212	3,514	0.5~0.6
MR50AM	215	1,180	75	1,285	12,060	0.5~0.6

MP-M type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)
MP3M	162	110	20	48	1,090	0.3~0.4
MP5M	134	170	30	68	1,234	0.3~0.4
MP10M	176.5	270	36	171	2,099	0.3~0.4
MP25M	170	450	45	405	2,359	0.5~0.6
MP25AM	208	480	45	459	5,373	0.4~0.5
MP250M	216	510	45	624	6,071	0.5~0.6
MP35AM	249	790	56	1,146	10,118	0.5~0.6
MP55AM	348	2,000	75	2,569	23,026	0.5~0.6

MR-M type Blade cutting capacity

(ϕmm)

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MR3M	S20, S20S, CR20, EP20	0.8	0.4	–	–	–	–	–
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	–	–	–
	F10, F10S, FD10, FEP20	–	–	–	–	–	1.0	–
MR5M	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
MR10M	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
MR20M	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
MR30AM	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	10.0	6.5
MR50FM	F9PF, FD9PF	–	–	–	–	–	12.0	6.5
MR50AM	S120, S120S, P120, CR120, EP120	5.5	4.5	3.5	–	–	–	–
	Z120*, Z120S, ZCR120, ZEP120	5.5	4.5	3.5	1.6	–	–	–
	F120	–	–	–	–	–	11.0	8.0

Shapes & Dimensions of Standard Blades Please see page 5
Special Blades (Custom-made blades) Please see page 8

MP-M type Blade cutting capacity

(ϕmm)

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MP3M	S20, S20S, CR20, EP20	0.8	0.4	–	–	–	–	–
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	–	–	–
	F10, F10S, FD10, FEP20	–	–	–	–	–	1.0	–
MP5M	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
MP10M	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
MP25M	S250, S250S, CR250	2.4	1.8	–	–	–	–	–
	F250, F250S, FD250	–	–	–	–	–	8.0	5.0
MP25AM	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
MP250M	S7P1, S7P1S, P8P1, CR8P1, EP10P1	4.0	3.2	2.3	–	–	–	–
	Z8P1*, ZCR8P1, ZEP10P1	4.0	3.2	2.3	1.2	–	–	–
	F9P1, FD9P1, F9P1S	–	–	–	–	–	8.0	6.5
MP35AM	S7P, S7PS, P8P, CR8P, EP10P, P8PS	4.8	4.0	2.8	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	4.8	4.0	2.8	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	13.0	6.5
MP55AM	S120, S120S, P120, CR120, EP120	7.0	6.0	4.3	–	–	–	–

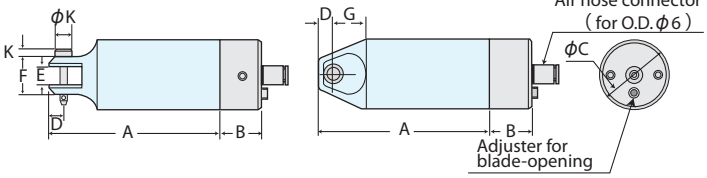
AIR CUTTERS 〈MACHINE-FITTING TYPE〉

No tool is needed for blade replacement.

MACHINE-FITTING TYPE

MR-MG Type

Standard



MR-MG type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)									
					A	B	C	D	E	F	G	H	J	K
MR20MG	338	268	3,490	0.5~0.6	109	27	45	9	12	23	22	–	11	5
MR30AMG	597	631	5,531	0.5~0.6	145	27	56	10	17	30	30	–	12	5

MR-MG type Blade cutting capacity

(φmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MR20MG	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–

Shapes & Dimensions of Standard Blades Please see page 5

Special Blades (Custom-made blades) Please see page 8

MR-MG type Blade cutting capacity

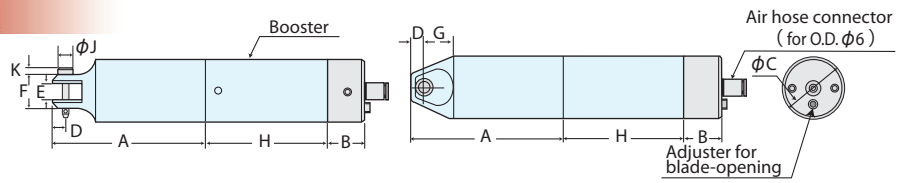
(φmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MR30AMG	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	10.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25, A8P-2.0	–	–	–	–	1.25/2.0	–	–
	AR8P-1.25, AR8P-2.0	–	–	–	–	1.25/2.0	–	–

MACHINE-FITTING TYPE

MP-MG Type

Heavy-duty



MP-MG type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)									
					A	B	C	D	E	F	G	H	J	K
MP25AMG	560	459	5,373	0.4~0.5	109	27	45	9	12	23	22	87	11	5
MP35AMG	924	1,146	10,118	0.5~0.6	145	27	56	10	17	30	30	92	12	5

MP-MG type Blade cutting capacity

(φmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MP25AMG	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–

Shapes & Dimensions of Standard Blades Please see page 5

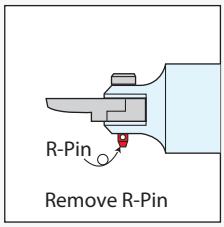
Special Blades (Custom-made blades) Please see page 8

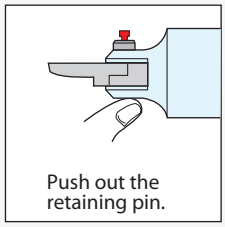
MP-MG type Blade cutting capacity

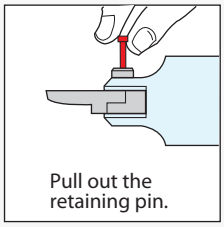
(φmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MP35AMG	S7P, S7PS, P8P, CR8P, EP10P, P8PS	4.8	4.0	2.8	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	4.8	4.0	2.8	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	13.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25, A8P-2.0	–	–	–	–	1.25/2.0	–	–
	AR8P-1.25, AR8P-2.0	–	–	–	–	1.25/2.0	–	–

Blade can be replaced easily and quickly.
Blade opening-angle can be adjusted.







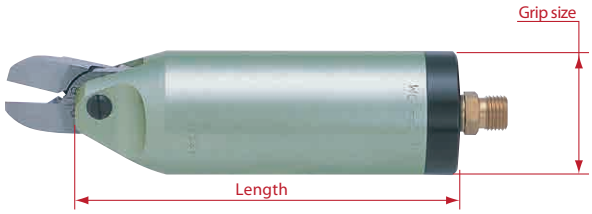
Be sure to secure Retaining Pin with R-Pin attached when Retaining Pin is likely to suffer some drawing-out power or shock. (R-Pin is designed for easy removal.)

AIR CUTTERS 〈MACHINE-FITTING TYPE〉

SET A SIDE-EDGED GOING

MACHINE-FITTING TYPE

CP-M Type
Standard



CP-XM Type
Heavy-duty

CP-M type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size φ (mm)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)
CP10M	113	220	36	116	675	0.4~0.5
CP20M	136	400	45	230	1,758	0.5~0.6
CP30M	167	630	56	584	3,175	0.5~0.6

CP-XM type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size φ (mm)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)
CP20XM	223	600	45	400	2,706	0.4~0.5
CP30XM	259	940	56	956	5,807	0.5~0.6

CP-M type Blade cutting capacity

(φmm)

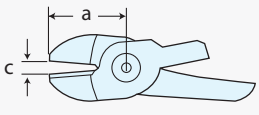
Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Plastic Soft	Plastic Hard
CP10M	S400, CR400, EP400	1.6	1.0	–	–	–	–
	Z400*	1.6	1.0	–	0.5	–	–
	F300, FD300	–	–	–	–	2.6	2.6
	Y600	–	–	–	–	–	–
CP20M	S500, P600	2.6	2.0	1.6	–	–	–
	EP600, CR600	2.6	2.0	1.6	–	–	–
	Z600*	2.6	2.0	1.6	1.0	–	–
	F500, FD500	–	–	–	–	6.0	5.0
	Y600	–	–	–	–	–	–
CP30M	S700, S900	3.3	2.8	–	–	–	–
	P800, CR800, EP100	3.3	2.8	2.0	–	–	–
	Z800*	3.3	2.8	2.0	1.2	–	–
	F900, FD900	–	–	–	–	8.0	6.5
	Y800	–	–	–	–	–	–

CP-XM type Blade cutting capacity

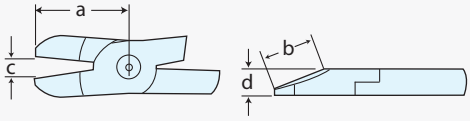
(φmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Plastic Soft	Plastic Hard
CP20XM	S500, P600	2.6	2.0	1.6	–	–	–
	EP600, CR600	2.6	2.0	1.6	–	–	–
	Z600*	2.6	2.0	1.6	1.0	–	–
	F500, FD500	–	–	–	–	6.0	5.0
	Y600	–	–	–	–	–	–
CP30XM	S700, S900	4.5	3.8	–	–	–	–
	P800, CR800, EP100	4.5	3.8	2.6	–	–	–
	Z800*	4.5	3.8	2.6	1.2	–	–
	F900, FD900	–	–	–	–	8.0	6.5
	Y800	–	–	–	–	–	–

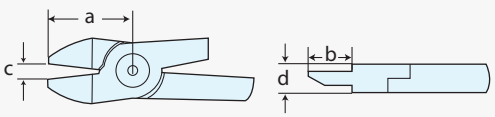
S , F , Z , P Type



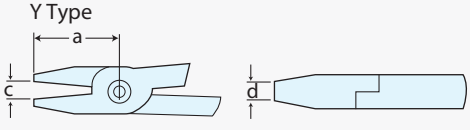
FD Type



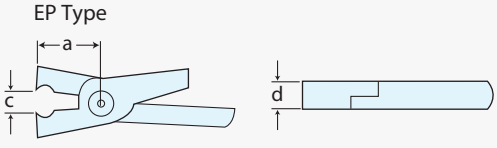
CR Type



Y Type



EP Type



(mm)

Blade	a	b	c	d
S400	26	14	4	9
Z400	27	11	4	9
CR400	27	12	5	9
EP400	26	–	4	9
F300	27	12	4	9
FD300	27	10	4	9
Y400	26	–	4.5	9

(mm)

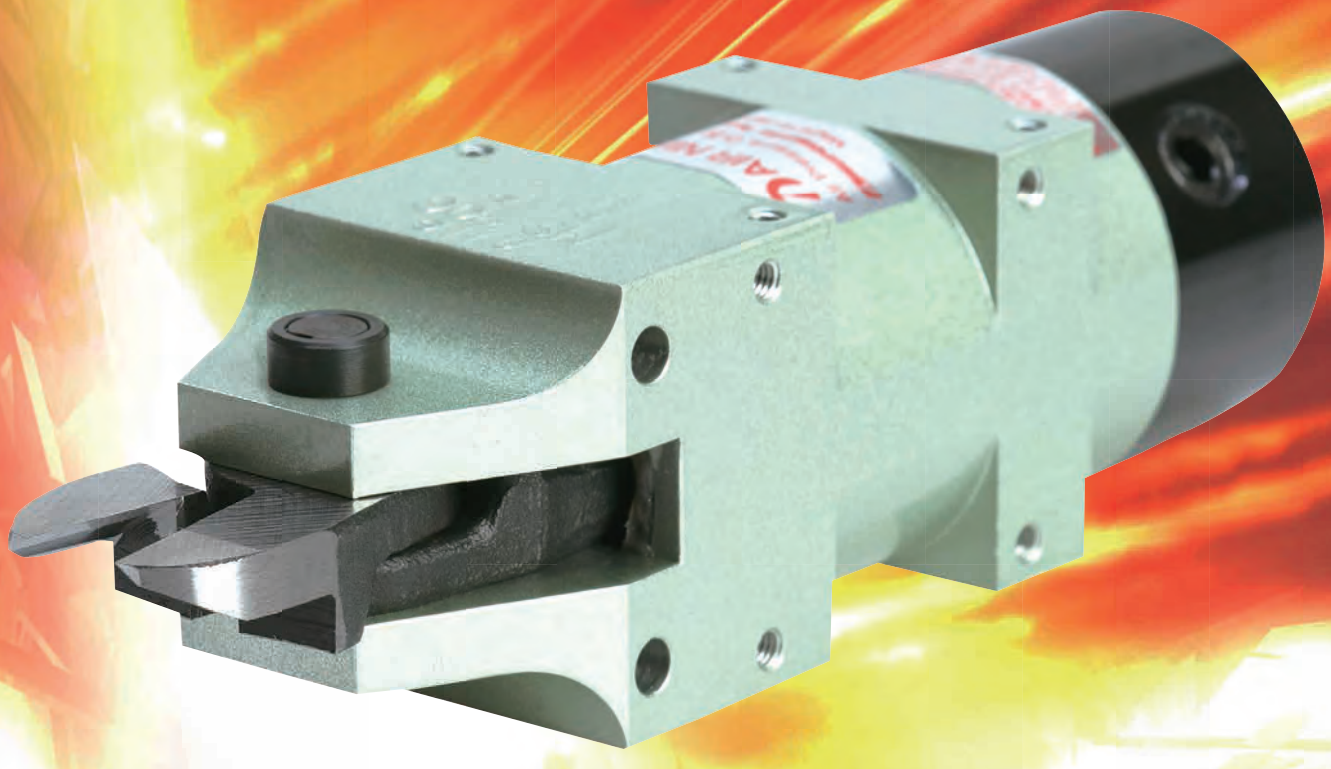
Blade	a	b	c	d
S500	35	17	6	12
P600	28	11	5	12
Z600	32	15	5	12
CR600	35	18	6	12
EP600	28	–	5	12
F500	35	15	7	12
FD500	35	14	7	12
Y600	48	–	6	6

(mm)

Blade	a	b	c	d
S700	43	20	7	17
S900	65	38	15	17
P800	37	12	5	17
Z800	38	20	6	17
CR800	43	23	7	17
EP100	34	–	5	17
F900	66	38	10	17
FD900	59	27	10	17
Y800	70	–	9	17

nile air tools

SQUARE AIR CUTTERS

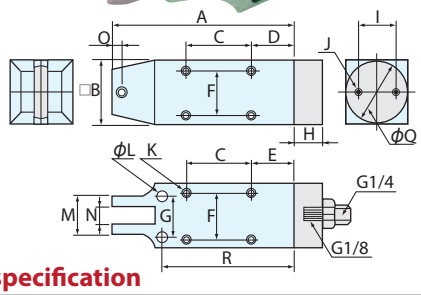


SQUARE AIR CUTTERS

The square body has many holes for setting bolts to be mounted on any machines or stands.

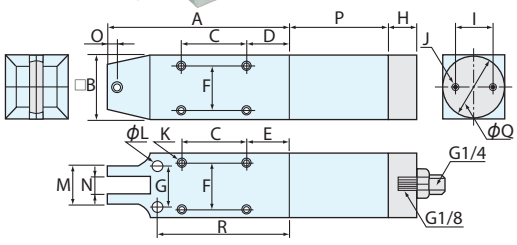
MACHINE-FITTING TYPE

MS Type
Standard



MACHINE-FITTING TYPE

MSP Type
Heavy-duty



MS type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)																
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
MS3	100	31	773	0.4~0.5	89	20	40	19	24	16	14	21	14	M3	M3	3.3	20	7	7	–	19	71
MS5	160	56	842	0.4~0.5	74	30	30	14	19	24	20	20	20	M4	M3	4.3	20	7	7	–	29	55
MS10	260	105	1,493	0.4~0.5	93	36	30	18	23	28	28	20	24	M4	M4	4.3	20	9	7	–	35	65
MS20	430	268	3,490	0.5~0.6	109	45	40	19	24	36	30	20	30	M5	M4	5.3	26	12	9	–	44	81
MS30	810	631	5,531	0.5~0.6	150	56	60	20	30	46	40	20	40	M6	M5	5.3	36	17	15	–	55	110
MS50	1,620	1,285	12,060	0.5~0.6	200	75	80	40	50	62	–	24	–	–	M8	–	43	25	15	–	74.5	–
MS50F	1,680	1,212	3,514	0.5~0.6	150	75	65	20	30	62	–	40	60	M6	M8	–	31	17	14	–	□74	–

MSP type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)																
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
MSP3	130	48	1,090	0.3~0.4	89	20	40	19	24	16	14	21	14	M3	M3	3.3	20	7	7	61	19	71
MSP5	220	94	1,234	0.3~0.4	74	30	30	14	19	24	20	20	20	M4	M3	4.3	20	7	7	50	29	55
MSP10	360	174	2,099	0.3~0.4	93	36	30	18	23	28	28	20	24	M4	M4	4.3	20	9	7	71	35	65
MSP20	650	459	5,373	0.4~0.5	109	45	40	19	24	36	30	20	30	M5	M4	5.3	26	12	9	87	44	81
MSP30	1,220	1,146	10,118	0.5~0.6	150	56	60	20	30	46	40	20	40	M6	M5	5.3	36	17	15	92	55	110
MSP50	1,440	2,569	23,026	0.5~0.6	200	75	80	40	50	62	–	24	–	–	M8	–	43	25	15	133	74.5	–

Shapes & Dimensions of Standard Blades Please see page 5
Special Blades (Custom-made blades) Please see page 8

MS type Blade cutting capacity

(ϕmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MS3	S20, S20S, CR20, EP20	0.8	0.4	–	–	–	–	–
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	–	–	–
	F10, F10S, FD10, FEP20	–	–	–	–	–	1.0	–
MS5	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
MS10	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
MS20	S5, S5S, CR6, EP6	2.6	2.0	–	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.0	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–
MS30	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	10.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25, A8P-2.0	–	–	–	–	1.25/2.0	–	–
	AR8P-1.25, AR8P-2.0	–	–	–	–	1.25/2.0	–	–
MS50	S120, S120S, P120, CR120, EP120	5.5	4.5	3.5	–	–	–	–
	Z120*, Z120S, ZCR120, ZEP120	5.5	4.5	3.5	1.6	–	–	–
	Y120	–	–	–	–	–	–	–
MS50F	F9PF, FD9PF	–	–	–	–	–	12.0	6.5

MSP type Blade cutting capacity

(ϕmm)

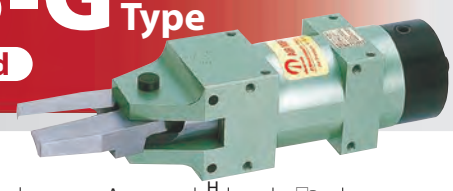
Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MSP3	S20, S20S, CR20, EP20	0.8	0.4	–	–	–	–	–
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	–	–	–
	F10, F10S, FD10, FEP20	–	–	–	–	–	1.0	–
MSP5	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
MSP10	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
MSP20	S5, S5S, CR6, EP6	2.6	2.0	–	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.0	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–
MSP30	S7P, S7PS, P8P, CR8P, EP10P, P8PS	4.8	4.0	–	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	4.8	4.0	–	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	13.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25/2.0/5.5, A8WP-1.25-2.0/2.0-5.5					1.25/2.0/5.5	–	–
	AR8P-1.25/2.0/5.5, AR8WP-1.25-2.0/2.0-5.5					1.25/2.0/5.5	–	–
MSP50	S120, S120S, P120, CR120, EP120	7.0	6.0	4.3	–	–	–	–
	Z120*, Z120S, ZCR120, ZEP120	7.0	6.0	4.3	2.0	–	–	–
	F120	–	–	–	–	–	11.0	8.0
	Y120	–	–	–	–	–	–	–

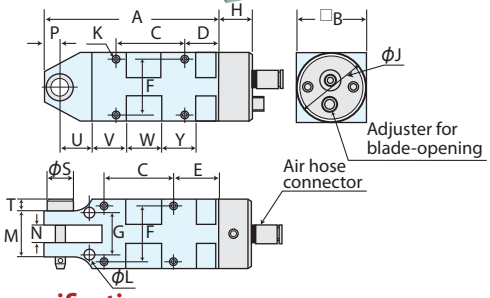
SQUARE AIR CUTTERS

The square main body has numerous holes for setting bolts .
No tool is needed for blade replacement.

MACHINE-FITTING TYPE

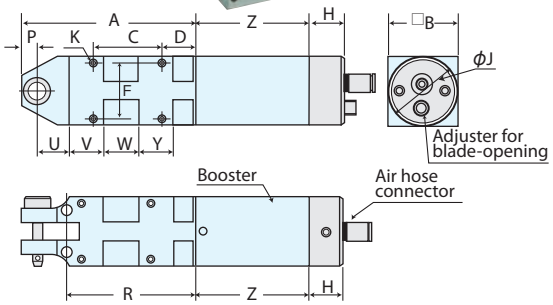
MS-G Type
Standard





MACHINE-FITTING TYPE

MSP-G
Heavy-duty



MS-G type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)																					
					A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	Y	Z
MS3G	75	31	773	0.4~0.5	89	20	40	19	24	16	14	12	20	M3	3.3	20	7	7	71	11	5	3	25	25	15	–
MS5G	141	56	842	0.4~0.5	74	30	30	14	19	24	18	15	30	M3	4.3	20	7	7	54	11	5	13	15	15	15	–
MS10G	254	105	1,493	0.4~0.5	93	36	30	18	23	28	28	24	36	M4	4.3	23	9	7	65	11	5	16	27	15	15	–
MS10AG	248	122	1,879	0.5~0.6	93	36	30	18	23	28	28	24	36	M4	4.3	26	12	7	65	11	5	16	27	15	15	–
MS20G	425	268	3,490	0.5~0.6	109	45	40	19	24	36	30	27	45	M4	5.3	26	12	9	81	11	5	15	31	25	15	–
MS30G	788	631	5,531	0.5~0.6	150	56	60	20	30	46	40	27	56	M5	5.3	36	17	15	110	12	5	20	41	38	22	–

MSP-G type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)																					
					A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	Y	Z
MSP3G	111	48	1,090	0.3~0.4	89	20	40	19	24	16	14	12	20	M3	3.3	20	7	7	71	11	5	3	25	25	15	61
MSP5G	205	94	1,234	0.3~0.4	74	30	30	14	19	24	18	15	30	M3	4.3	20	7	7	54	11	5	13	15	15	15	50
MSP10G	369	174	2,099	0.3~0.4	93	36	30	18	23	28	28	24	36	M4	4.3	23	9	7	65	11	5	16	27	15	15	71.5
MSP10AG	366	209	2,750	0.4~0.5	93	36	30	18	23	28	28	24	36	M4	4.3	26	12	7	65	11	5	16	27	15	15	71.5
MSP20G	648	373	5,373	0.4~0.5	109	45	40	19	24	36	30	27	45	M4	5.3	26	12	9	81	11	5	15	31	25	15	87
MSP30G	1,115	1,146	10,118	0.5~0.6	150	56	60	20	30	46	40	27	56	M5	5.3	36	17	15	110	12	5	20	41	38	22	92

Shapes & Dimensions of Standard Blades Please see page 5
Special Blades (Custom-made blades) Please see page 8

MS-G type Blade cutting capacity

(ϕmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MS3G	S20, S20S, CR20, EP20	0.8	0.4	–	–	–	–	–
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	–	–	–
	F10, F10S, FD10, FEP20	–	–	–	–	–	1.0	–
MS5G	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
MS10G	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
MS10AG	S5A, S5AS, CR6A, EP6A	1.8	1.2	1.0	–	–	–	–
	Z6A*, ZCR6A, ZEP6A	1.8	1.2	1.0	0.5	–	–	–
	F5A, F5AS, FD5A, FEP6A	–	–	–	–	–	4.0	2.6
	Y6A	–	–	–	–	–	–	–
MS20G	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–
MS30G	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	10.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25, A8P-2.0	–	–	–	–	1.25/2.0	–	–
	AR8P-1.25, AR8P-2.0	–	–	–	–	1.25/2.0	–	–

MSP-G type Blade cutting capacity

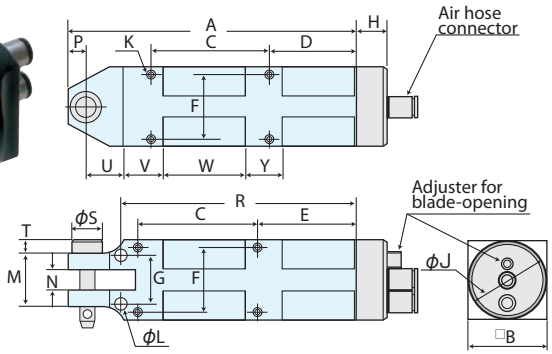
(ϕmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MSP3G	S20, S20S, CR20, EP20	0.8	0.4	–	–	–	–	–
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	–	–	–
	F10, F10S, FD10, FEP20	–	–	–	–	–	1.0	–
MSP5G	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
MSP10G	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
MSP10AG	S5A, S5AS, CR6A, EP6A	1.8	1.2	1.0	–	–	–	–
	Z6A*, ZCR6A, ZEP6A	1.8	1.2	1.0	0.5	–	–	–
	F5A, F5AS, FD5A, FEP6A	–	–	–	–	–	4.0	2.6
	Y6A	–	–	–	–	–	–	–
MSP20G	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–
MSP30G	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	10.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25/2.0/5.5, A8WP-1.25-2.0/2.0-5.5					1.25/2.0/5.5	–	–
	AR8P-1.25/2.0/5.5, AR8WP-1.25-2.0/2.0-5.5					1.25/2.0/5.5	–	–

SQUARE AIR CUTTERS

MACHINE-FITTING TYPE

WS Type



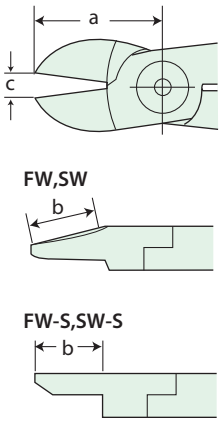
WS type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)																			
					A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	Y
WS3	88	41	494	0.4~0.5	107	20	43	34	39	16	14	6	20	M3	3.3	20	7	7	89	11	5	3	24	30	13
WS5	179	71	800	0.4~0.5	104	30	43	31	36	24	18	11	30	M3	4.3	20	7	7	84	11	5	13	14	30	13
WS10	309	179	1,420	0.4~0.5	142	36	55	42	47	28	28	18	36	M4	4.3	23	9	7	114	11	5	16	27	40	15
WS20	537	516	3,115	0.5~0.6	170	45	55	65	70	36	30	18	45	M4	5.3	26	12	9	142	11	5	15	31	40	20

WS type Blade cutting capacity

(ϕmm)

Model	Blade	Copper wire	Steel wire	Plastic
WS3	FW10, FW10S	–	–	1.0
	SW20, SW20S	0.8	0.4	–
WS5	FW1, FW1S	–	–	2.0
	SW2, SW2S	1.0	0.5	–
WS10	FW3, FW3S	–	–	4.0
	SW4, SW4S	1.6	1.0	–
WS20	FW5, FW5S	–	–	7.0
	SW5, SW5S	2.6	2.0	–

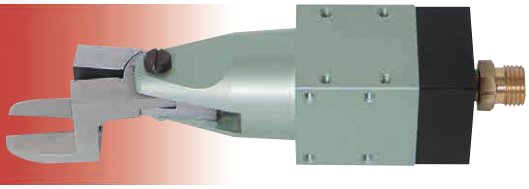


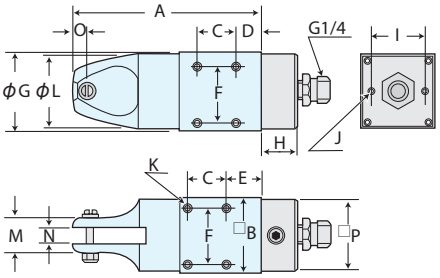
(mm)

Blade	a	b	c
FW10	24	12	2.5~3.0
FW10S	24	12	2.5~3.0
FW1	24	12	3.0~3.5
FW1S	24	12	3.0~3.5
FW3	27	13	5.0~5.5
FW3S	27	13	5.0~5.5
FW5	35	17	8.0~8.5
FW5S	35	17	8.0~8.5
SW20	24	10	2.5~3.0
SW20S	24	12	2.5~3.0
SW2	24	10	3.0~3.5
SW2S	24	12	3.0~3.5
SW4	27	13	5.0~5.5
SW4S	27	13	5.0~5.5
SW5	35	20	8.0~8.5
SW5S	35	17	8.0~8.5

MACHINE-FITTING TYPE

MSK Type





MSK type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)														
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
MSK10	190	105	1,493	0.4~0.5	87	36	18	10	15	28	35	17	24	M4	M4	33	18	9	7	35
MSK20	340	270	3,490	0.5~0.6	102	45	20	15	20	36	44	17	30	M5	M4	42	24	12	9	44
MSK30	590	631	5,531	0.5~0.6	141	56	27	18	26	46	55	17	40	M6	M5	54	34	17	15	55

Shapes & Dimensions of Standard Blades Please see page 5
Special Blades (Custom-made blades) Please see page 8

MSK type Blade cutting capacity

(ϕmm)

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MSK10	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
MSK20	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–

MSK type Blade cutting capacity

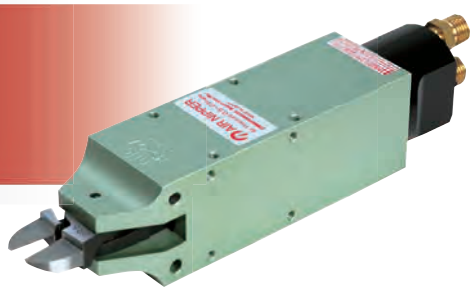
(ϕmm)

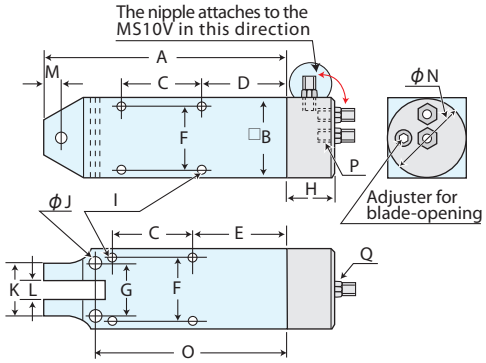
Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MSK30	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	10.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25, A8P-2.0	–	–	–	–	1.25/2.0	–	–
	AR8P-1.25, AR8P-2.0	–	–	–	–	1.25/2.0	–	–

SQUARE AIR CUTTERS

MACHINE-FITTING TYPE

MS-V Type





MS-V type specification

Model (less blade)	Weight (g)	Air consumption (cm^3/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)																
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
MS10V	345	107	1,387	0.4~0.5	116	36	30	41	46	28	28	23	M4	4.3	20	9	7	36	88	G1/8	nipple R1/8×G1/4
MS20V	650	340	3,335	0.5~0.6	147	45	40	57	62	36	30	31	M4	5.3	26	12	9	45	119	G1/8	nipple R1/8×G1/4
MS30V	1,150	569	5,376	0.5~0.6	185	56	60	55	65	46	40	33	M5	5.3	36	17	15	56	145	G1/8	nipple R1/8×G1/4

MS-V type Blade cutting capacity

(ϕmm)

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MS10V	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
MS20V	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–

MS-V type Blade cutting capacity

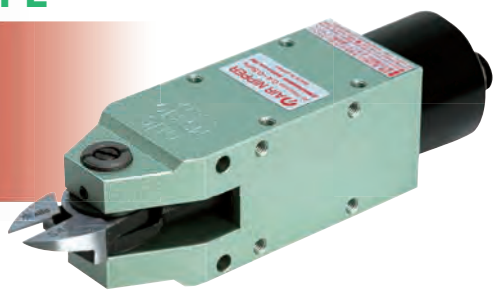
(ϕmm)

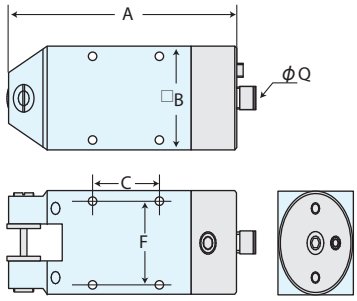
Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MS30V	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	10.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25, A8P-2.0	–	–	–	–	1.25/2.0	–	–
	AR8P-1.25, AR8P-2.0	–	–	–	–	1.25/2.0	–	–

Shapes & Dimensions of Standard Blades Please see page 5
Special Blades (Custom-made blades) Please see page 8

MACHINE-FITTING TYPE

MSB Type





MSB type specification

Model (less blade)	Weight (g)	Air consumption (cm^3/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)				
					A	B	C	F	Q
MSB10	271	105	1,493	0.4~0.5	117	36	30	28	6
MSB20	487	268	3,490	0.5~0.6	136	45	40	30	6
MSB30	925	631	5,531	0.5~0.6	177	56	60	40	6

Shapes & Dimensions of Standard Blades Please see page 5
Special Blades (Custom-made blades) Please see page 8

MSB type Blade cutting capacity

(ϕmm)

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MSB10	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
MSB20	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–

MSB type Blade cutting capacity

(ϕmm)

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MSB30	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	–	–	–	–
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	–	–	–
	F9P, F9PS, FD9P, FEP10P	–	–	–	–	–	10.0	6.5
	Y8P, K8P, Y817P	–	–	–	–	–	–	–
	SH8P	–	–	–	–	–	–	–
	A8P-1.25, A8P-2.0	–	–	–	–	1.25/2.0	–	–
	AR8P-1.25, AR8P-2.0	–	–	–	–	1.25/2.0	–	–

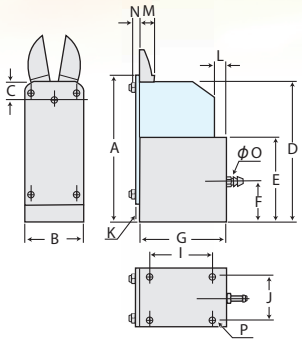
nile air tools

VERTICAL TYPE AIR CUTTERS
SLIDING AIR CUTTERS

MF10

VERTICAL TYPE

MF Type

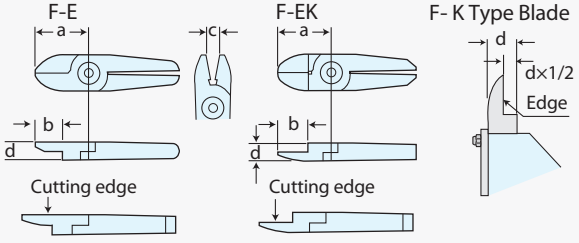


MF type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Air pressure (MPa)	Blade	Plastic (ϕmm)	Dimensions (mm)														
						A	B	C	D	E	F	G	I	J	K	L	M	N	O	P
MF3	71	12	0.4~0.5	F10E,F10EK	1.0	71	20	8	68	40	10	38	25	14	2	10	7	3.3	4	M4/D10
MF5	73	28	0.4~0.5	F1E,F1EK	1.2	73	29	9	69	41	20	44	30	22	2	7	7	4.0	4	M4/D10
MF10	96	65	0.4~0.5	F3E,F3EK	2.5	96	35	10	91	56	20	53	40	26	2	8	9	4.0	4	M4/D15
MF20	110	122	0.5~0.6	F5E,F5EK	4.5	110	44	13	102	60	20	64	45	34	2	13	12	3.0	4	M4/D15

(mm)

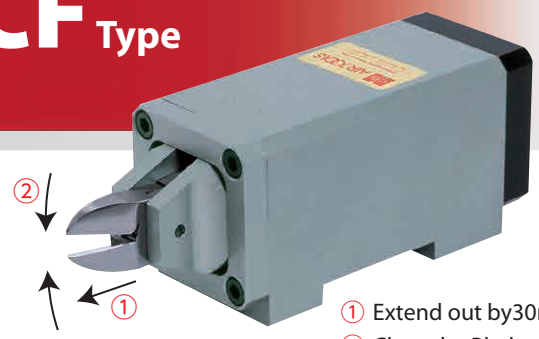
Blade	a	b	c	d
F10E, F10EK	24	13	3.5	7
F1E, F1EK	24	12	5.5	7
F3E, F3EK	27	13	7	9
F5E, F5EK	35	18	9	12



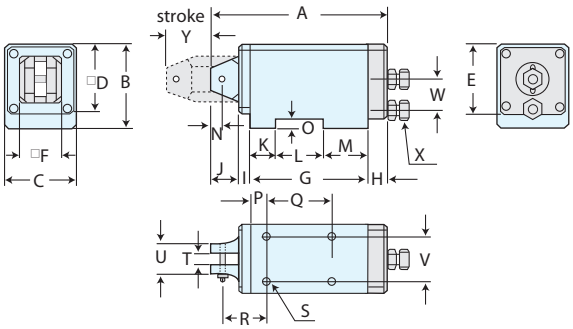
SLIDING AIR CUTTERS

MACHINE-FITTING TYPE

CF Type

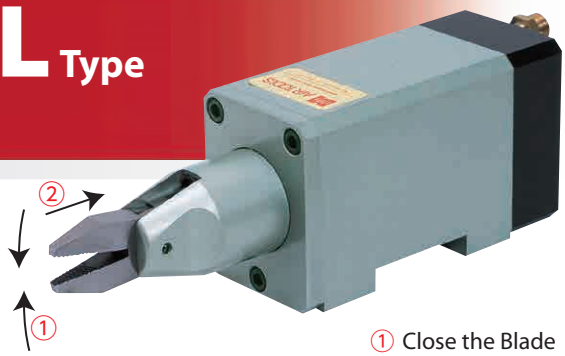


① Extend out by30mm
② Close the Blade

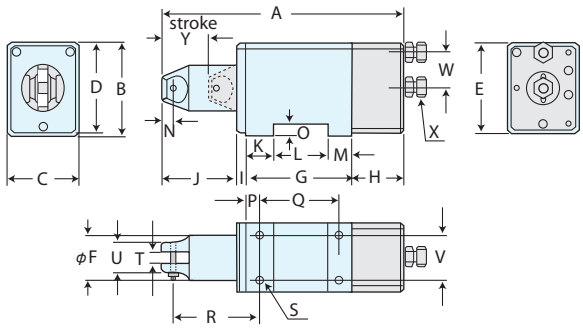


MACHINE-FITTING TYPE

CL Type



① Close the Blade
② Into body(30mm)



CF type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Air pressure (MPa)	Dimensions (mm)																								
				A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
CF5	570	265	0.4~0.5	124	54	44	44	47	28	80	15	10	19	16	33	31	7	8	10	45	32	M6	7	20	30	18	G1/4	30
CF10	940	436	0.4~0.5	146	64	54	54	54	34	100	15	10	21	26	40	34	7	8	16	60	40	M6	9	20	30	19	G1/4	30
CF20	1,300	792	0.5~0.6	165	70	62	62	62	42	117	15	10	23	26	55	36	9	8	16	75	40	M6	12	26	34	21	G1/4	30

CL type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Air pressure (MPa)	Dimensions (mm)																								
				A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
CL5	650	137	0.4~0.5	165	60	44	59	59	30	73	35	7	50	18	37	18	7	8	9	55	59	M6	7	20	30	23	G1/4	30
CL10	1,050	253	0.4~0.5	187	70	54	70	70	36	88	35	7	57	23	40	25	7	8.5	15	58	72	M6	9	20	34	28.5	G1/4	30
CL20	1,450	501	0.5~0.6	205	80	62	80	80	42	104	30	8	63	28	50	26	9	10	18	70	80	M6	12	26	40	32.5	G1/4	30

Shapes & Dimensions of Standard Blades Please see page 5
Special Blades (Custom-made blades) Please see page 8

CF type Blade cutting capacity

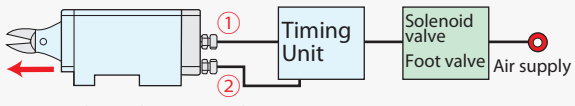
(ϕmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
CF5	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
CF10	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
CF20	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–

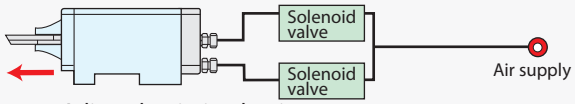
CL type Blade cutting capacity

(ϕmm)

Model	Blade (＊) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
CL5	S2, S2S, CR2, EP2	1.0	0.5	–	–	–	–	–
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	–	–	–
	F1, F1S, FD1, FEP2	–	–	–	–	–	2.0	–
CL10	S4, S4S, CR4, EP4	1.6	1.0	–	–	–	–	–
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	–	–	–
	F3, F3S, FD3, F3LS, FEP4	–	–	–	–	–	4.0	2.6
	Y4	–	–	–	–	–	–	–
CL20	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	–	–	–	–
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	–	–	–
	F5, F5S, FD5, F5LS, FEP6	–	–	–	–	–	7.0	5.0
	Y6, K6	–	–	–	–	–	–	–



Adjust the timing by timing unit



Adjust the timing by timer

- Use Three-way valve for solenoid valve and foot valve
- Adjust the timing of 1and 2 by timing unit or timer
- Slide part body can rotate by 90

nile air tools

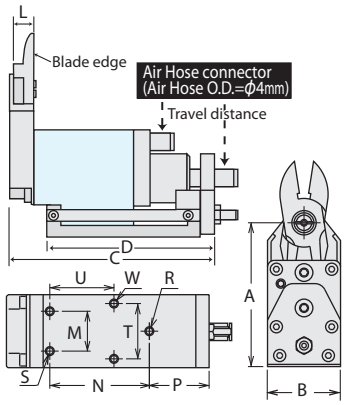
SN TYPE SLIDING AIR CUTTERS

SN TYPE SLIDING AIR CUTTERS

SN-series : Pull&Cut type SNP-series : Push&Cut type

MACHINE-FITTING TYPE

SN Type
Pull&Cut type

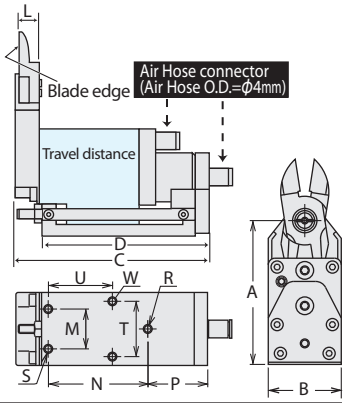


SN type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)											
					A	B	C	D	M	N	P	R	S	T	U	W
SN1	140	16	312	0.5	61	16.5	80	65	–	30	20	M4	–	–	–	–
SN2	160	21	429	0.5	61	19	80	65	–	30	20	M4	–	–	–	–
SN3	170	24	613	0.5	59	23	79.6	65	12	37	25	M4	M4D5	15	23	M4
SN5	220	47	1,013	0.5	63	28	83.6	69	14	40	26	M4	M4D6	20	24	M4
SN10	300	60	1,254	0.5	70	33	91.6	75	18	45	27	M4	M4D6	25	29	M4
SN20	595	153	1,671	0.5	82	42	110	90	22	58	28	M4	M4D7	30	32	M5

MACHINE-FITTING TYPE

SNP Type
Push&Cut type

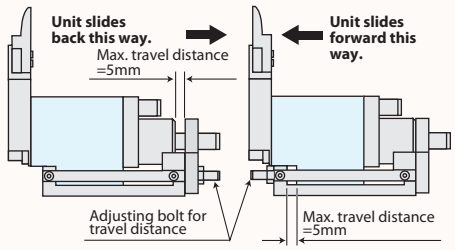


SNP type specification

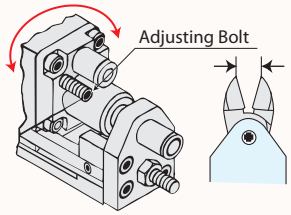
Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Dimensions (mm)											
					A	B	C	D	M	N	P	R	S	T	U	W
SNP1	140	16	312	0.5	61	16.5	75	65	–	30	20	M4	–	–	–	–
SNP2	160	21	429	0.5	61	19	75	65	–	30	20	M4	–	–	–	–
SNP3	170	24	613	0.5	59	23	74.6	65	12	37	25	M4	M4D5	15	23	M4
SNP5	220	47	1,013	0.5	63	28	78.6	69	14	40	26	M4	M4D6	20	24	M4
SNP10	300	60	1,254	0.5	70	33	86.6	75	18	45	27	M4	M4D6	25	29	M4
SNP20	595	153	1,671	0.5	82	42	105	90	22	58	28	M4	M4D7	30	32	M5

REMARKABLE FEATURES

Point 1
"Pull & Cut"(SN-series) and "Push & Cut"(SNP-series) are lined up for your choice.
The unit travel distance is freely adjustable within 0-5mm.



Point 2
The blade opening is adjustable by turning the adjusting bolt.

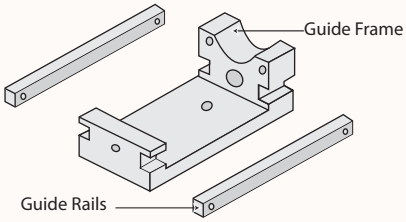


(mm)

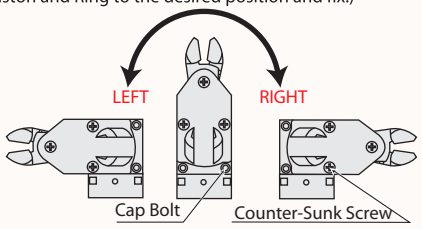
Model	Blade	Model	Blade	Min.	Max.
SN2	FN10	**SNP2**	FNP10	1.0	2.8
SN3	FN10	**SNP3**	FNP10	1.5	3.5
SN5	FN1	**SNP5**	FNP1	2.0	5.5
SN10	FN3	**SNP10**	FNP3	3.0	7.0
SN20	FN5	**SNP20**	FNP5	5.0	8.5

Point 3
Any special cutting blade can be designed and manufactured to meet your application even for 1 piece.

Point 4
Cutting units are guided with parallel rails while traveling assuring the minimum play in vertical and horizontal direction.



Point 5
Blade Holder can be set on the stand base at 90°angle either to left or right as illustrated. (Excepting SN3 and SNP3.)
(Loosen counter-sunk screws and cap bolts, then turn Blade Holder Plate together with Piston and Ring to the desired position and fix.)



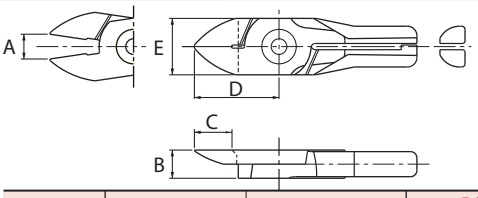
SN TYPE SLIDING AIR CUTTERS

Blades for SN . SNP series

STANDARD TYPE

FN

for SN series



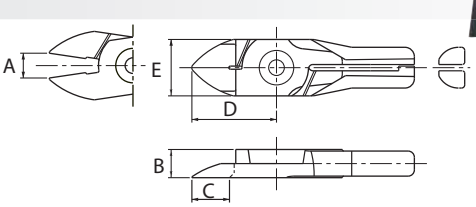
Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (ϕmm)	Dimensions (mm)				
			A	B	C	D	E
SN1	**FN30**	1.5	2.5	7.0	11.0	24.0	12.0
SN2	**FN10**	2.0	2.8	7.0	11.0	24.0	14.0
SN3	**FN10**	2.0	3.5	7.0	11.0	24.0	14.0
SN5	**FN1**	3.0	5.5	7.0	11.0	24.0	16.0
SN10	**FN3**	4.0	7.0	9.0	11.0	27.0	19.0
SN20	**FN5**	5.0	8.5	12.0	16.0	35.0	22.0

STANDARD TYPE

FNP

for SNP series



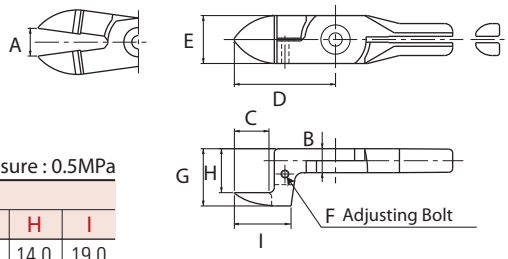
Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (ϕmm)	Dimensions (mm)				
			A	B	C	D	E
SNP1	**FNP30**	1.5	2.5	7.0	11.0	24.0	12.0
SNP2	**FNP10**	2.0	2.8	7.0	11.0	24.0	14.0
SNP3	**FNP10**	2.0	3.5	7.0	11.0	24.0	14.0
SNP5	**FNP1**	3.0	5.5	7.0	11.0	24.0	16.0
SNP10	**FNP3**	4.0	7.0	9.0	11.0	27.0	19.0
SNP20	**FNP5**	5.0	8.5	12.0	16.0	35.0	22.0

CRANK TYPE

FN-C

for SN series



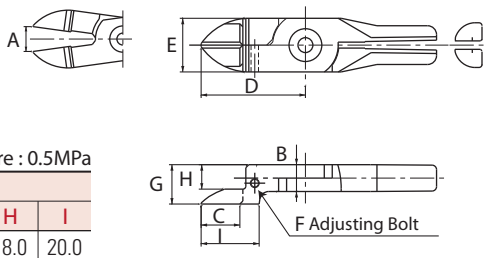
Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (ϕmm)	Dimensions (mm)								
			A	B	C	D	E	F	G	H	I
SN1	**FN30C**	1.0	4.0	7.0	11.0	35.0	12.0	M3	18.0	14.0	19.0
SN2	**FN10C**	1.5	4.2	7.0	11.0	35.0	14.0	M3	18.0	14.0	19.0
SN3	**FN10C**	1.5	5.2	7.0	11.0	35.0	14.0	M3	18.0	14.0	19.0
SN5	**FN1C**	2.5	9.0	7.0	13.0	38.0	16.0	M3	20.0	15.0	21.0
SN10	**FN3C**	3.0	10.0	9.0	13.0	38.0	18.0	M3	21.5	16.5	21.0
SN20	**FN5C**	4.0	10.0	12.0	19.0	46.0	22.0	M3	24.0	19.0	30.0

CRANK TYPE

FNP-C

for SNP series



Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (ϕmm)	Dimensions (mm)								
			A	B	C	D	E	F	G	H	I
SNP1	**FNP30C**	1.0	4.0	7.0	11.0	35.0	12.0	M3	12.0	8.0	20.0
SNP2	**FNP10C**	1.5	4.2	7.0	11.0	35.0	14.0	M3	12.0	8.0	20.0
SNP3	**FNP10C**	1.5	5.2	7.0	11.0	35.0	14.0	M3	12.0	8.0	20.0
SNP5	**FNP1C**	2.5	8.6	7.0	14.0	37.0	16.0	M3	12.2	7.2	22.0
SNP10	**FNP3C**	3.0	9.8	9.0	13.0	35.0	18.0	M3	13.2	8.2	20.0
SNP20	**FNP5C**	4.0	10.0	12.0	18.0	42.0	22.0	M3	16.0	11.0	27.0

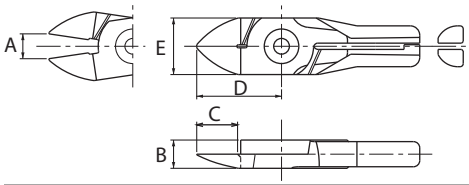
SN TYPE SLIDING AIR CUTTERS

Blades for SN . SNP series

CENTER TYPE

FN-K

for SN series



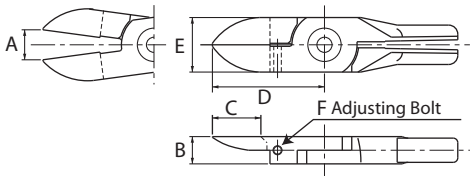
Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (ϕmm)	Dimensions (mm)				
			A	B	C	D	E
SN1	**FN30K**	1.5	2.5	7.0	11.0	24.0	12.0
SN2	**FN10K**	2.0	2.8	7.0	11.0	24.0	14.0
SN3	**FN10K**	2.0	3.5	7.0	11.0	24.0	14.0
SN5	**FN1K**	3.0	5.5	7.0	11.0	24.0	16.0
SN10	**FN3K**	4.0	7.5	9.0	11.0	27.0	19.0
SN20	**FN5K**	5.0	8.5	12.0	16.0	35.0	22.0

LONG TYPE

FN-L

for SN series



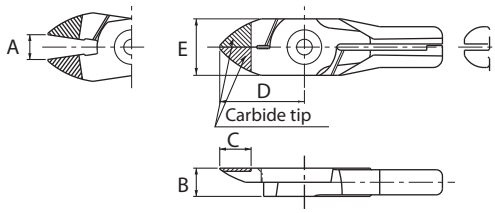
Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (ϕmm)	Dimensions (mm)					
			A	B	C	D	E	F
SN1	**FN30L**	1.5	4.0	7.0	16.0	33.0	12.0	M3
SN2	**FN10L**	1.5	3.5	7.0	16.0	33.0	14.0	M3
SN3	**FN10L**	2.0	5.5	7.0	16.0	33.0	14.0	M3
SN5	**FN1L**	3.0	8.0	7.0	16.0	33.0	16.0	M3
SN10	**FN3L**	3.5	9.5	9.0	16.0	37.0	18.0	M3
SN20	**FN5L**	4.5	10.0	12.0	21.0	45.0	22.0	M3

CARBIDE TIPPED TYPE

ZFN

for SN series



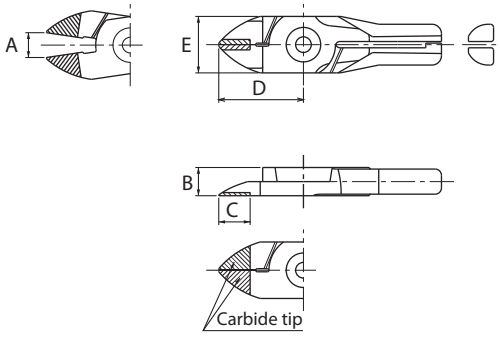
Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (ϕmm)	Dimensions (mm)				
			A	B	C	D	E
SN1	**ZFN30**	1.5	2.5	7.0	11.0	24.0	12.0
SN2	**ZFN10**	2.0	2.8	7.0	11.0	24.0	14.0
SN3	**ZFN10**	2.0	3.5	7.0	11.0	24.0	14.0
SN5	**ZFN1**	3.0	5.5	7.0	11.0	24.0	16.0
SN10	**ZFN3**	4.0	7.0	9.0	10.0	27.0	19.0
SN20	**ZFN5**	5.0	8.5	12.0	16.0	35.0	22.0

CARBIDE TIPPED TYPE

ZFNP

for SNP series



Air Pressure : 0.5MPa

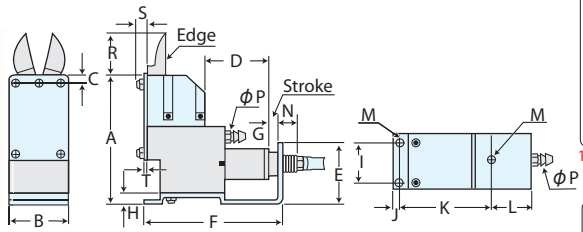
Model	Blade	Cutting capacity (ϕmm)	Dimensions (mm)				
			A	B	C	D	E
SNP1	**ZFNP30**	1.5	2.5	7.0	11.0	24.0	12.0
SNP2	**ZFNP10**	2.0	2.8	7.0	11.0	24.0	14.0
SNP3	**ZFNP10**	2.0	3.5	7.0	11.0	24.0	14.0
SNP5	**ZFNP1**	3.0	5.5	7.0	11.0	24.0	16.0
SNP10	**ZFNP3**	4.0	7.0	9.0	10.0	27.0	19.0
SNP20	**ZFNP5**	5.0	8.5	12.0	16.0	35.0	22.0

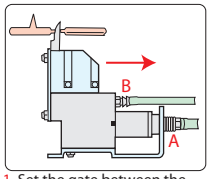
nile air tools

SLIDE & CUT AIR CUTTERS

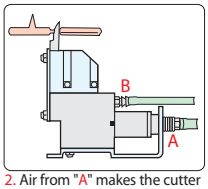
SLIDE & CUT AIR CUTTERS

ME Type



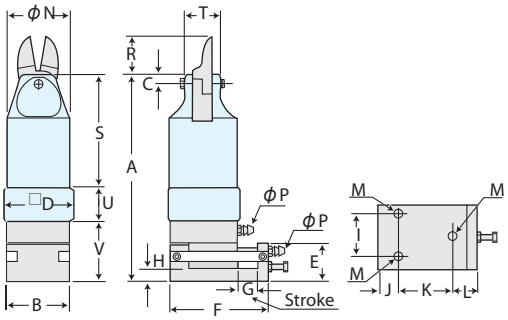


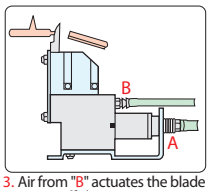
1. Set the gate between the blade edges.



2. Air from "A" makes the cutter slide until the blade edge touches the gate root.

ML Type





3. Air from "B" actuates the blade to cut off the gate at its root.

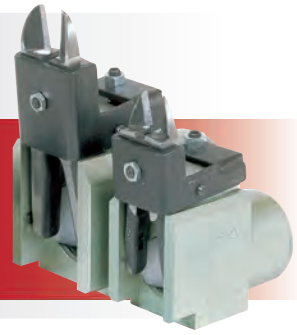
ME type specification

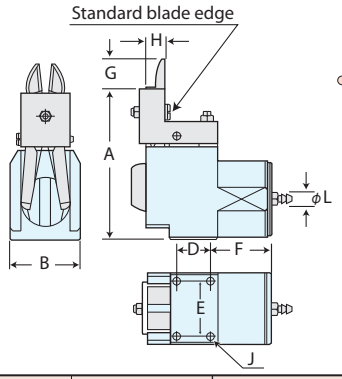
Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Air pressure (MPa)	Blade	Plastic (ϕmm)	Dimensions (mm)																		
						A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	T	U	V
ME3	170	16	0.4~0.5	F10E,F10EK	1.0	77.2	20	8	33	34.2	71.2	3	6.2	14	2.5	50	18.7	M3	12.1	4	21	3.3	2	–	–
ME5	290	32	0.4~0.5	F1E,F1EK	1.2	79.2	29	9	30	31.2	76.2	3	6.2	22	4	50	22.2	M3	12.1	4	21	4	2	–	–
ME10	540	74	0.4~0.5	F3E,F3EK	2.5	102.2	35	10	39	42.2	88.2	3	6.2	26	5	50	33.2	M3	13	4	21	4	2	–	–
ME20	810	138	0.5~0.6	F5E,F5EK	4.5	116.2	44	13	42	48.2	103.2	5	6.2	34	5	85	13.2	M4	13	4	27	2.3	2	–	–
ME30	1,490	272	0.5~0.6	F9E,F9EK	5.0	149.2	56	15	51	64.2	127.2	5	6.2	40	7	85	35.2	M4	13	4	50	3.3	3	–	–

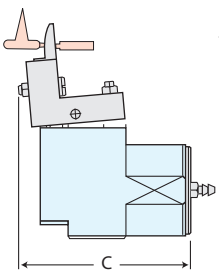
ML type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Air pressure (MPa)	Blade	Plastic (ϕmm)	Dimensions (mm)																		
						A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	T	U	V
ML10	340	117	0.4~0.5	F3S	4.0	128	35	7	36	31	63	10	8	26	11	31	21	M3	35	4	19	71	18	16	41
ML20	500	282	0.5~0.6	F5S	7.0	143	44	9	45	31	64	10	8	26	11	36	17	M4	44	4	26	79	24	23	41
ML30	870	646	0.5~0.6	F9PS	10.0	184	55	15	56	33	76	10	8	26	14	38	24	M4	55	4	50	123	34	18	43

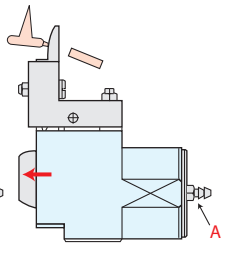
MG Type







Fix the gate between the edges of the blade.



Air from A straightens the blade up to cut the gate at its root.

MG type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Air pressure (MPa)	Blade	Plastic (ϕmm)	Dimensions (mm)									
						A	B	C	D	E	F	G	H	J	L
MG3	80	21	0.4~0.5	FG10,FG10K	2.0	50	20	60	16	14	25	15	7	M3	4
MG10	230	70	0.4~0.5	FG3,FG3K	4.0	73	35	73	20	27	29	17.5	9	M3	4
MG20	420	213	0.5~0.6	FG5,FG5K	6.0	95	46	89	21	36	39	19	12	M4	4

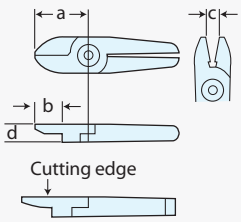
(mm)

Blade	a	b	c	d
F10E, F10EK	24	13	3.5	7
F1E, F1EK	24	12	5.5	7
F3E, F3EK	27	13	7	9
F5E, F5EK	35	18	9	12
F9E, F9EK	65	39	15	17
F3S	27	13	5	9
F5S	35	16	9~10	12
F9PS	65	37	16	17

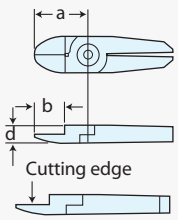
(mm)

Blade	a	c	d
FG10	24	4	7
FG10K	24	4	7
FG3	27	7	9
FG3K	27	7	9
FG5	34	8	12
FG5K	34	8	12

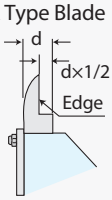
F-E , F-S , FG-



F-EK , FG-K



F- K Type Blade



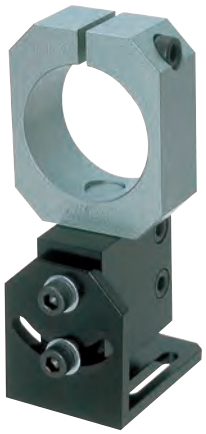
nile air tools

STAND-HOLDER FOOT VALVE TIMING UNIT

STAND-HOLDER

MACHINE-INSTALLATION

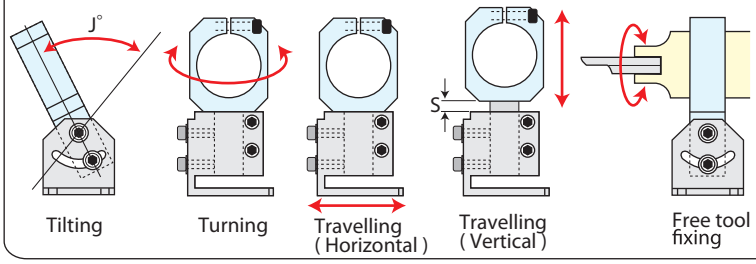
SVM Type

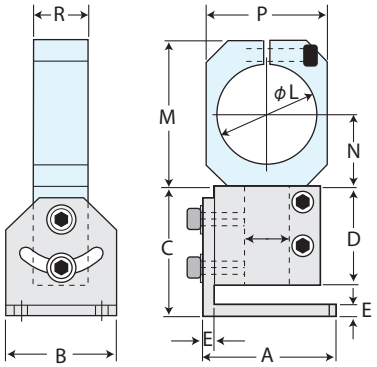


View of a tool mounted

SVM30

《UNIVERSAL POSITIONING》





SVM type specification

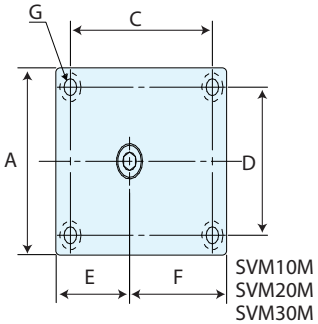
Model	Weight (g)	Applicable air cutters of round body	Dimensions (mm)															
			A	B	C	D	E	F	G	H	$J_{(MAX)}$	K	L	M	N	P	R	$S_{(MAX)}$
SVM20	325	MR20M series of body ϕ45	60	50	59	45	5	36	34	11	90°	20	45.1	67	33	55	24	15
SVM30	367	MR30AM series of body ϕ56	60	50	59	45	5	36	34	11	90°	20	56.1	78	38	70	24	15

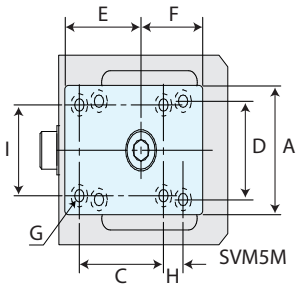
MACHINE-INSTALLATION

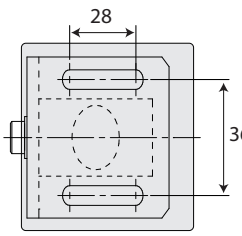
SVM-M Type

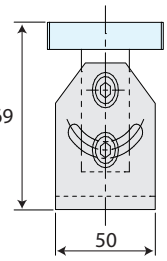
View of a tool mounted

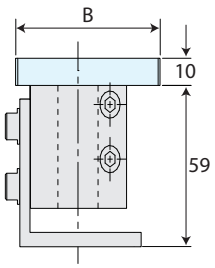
SVM20M











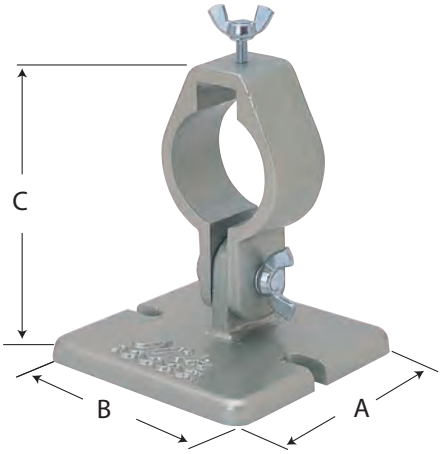
SVM-M type specification

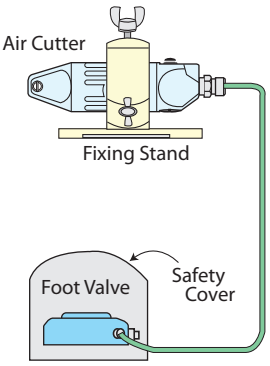
Model	Weight (g)	Applicable air cutters of round body	Dimensions (mm)								
			A	B	C	D	E	F	G	H	I
SVM5M	310	MS5, MSP5, MS5G, MSP5G, WS5, AH5, AH5D	34	49	30	26	27	22	8-ϕ3.3	12	24
SVM10M	310	MS10, MSP10, MS10G, MSP10G, MS10AG, MSP10AG, MS10V, MSB10, WS10, AM10, AH8, AH8D	38	46	30	28	20	26	4-ϕ4.3	–	–
SVM20M	327	MS20, MSP20, MS20G, MSP20G, MS20V, MSB20, WS20, AM20, AH20	47	58	40	36	27	31	4-ϕ4.3	–	–
SVM30M	340	MS20, MSP20, MS20G, MSP20G, MS20V, MSB20, WS20, AH30	58	72	60	46	31	41	4-ϕ5.3	–	–

STAND-HOLDER/FOOT VALVE/ TIMING UNIT

FIXING STAND

CTD Type



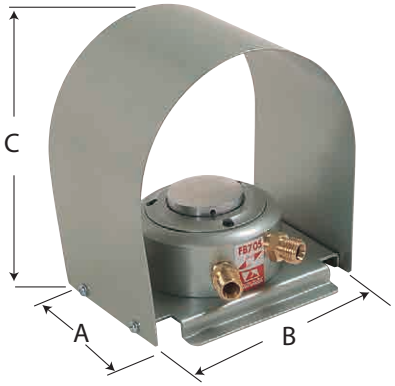


CTD type specification

Model	Weight (g)	A (mm)	B (mm)	C (mm)	Applicable tools
CTD20	600	140	120	117.5	For MR20,MR20M
CTD30	500	140	120	117.5	For MR30A,MR30AM

FOOT VALVE

FB70S



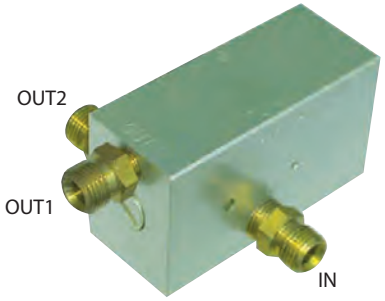
FB70S specification

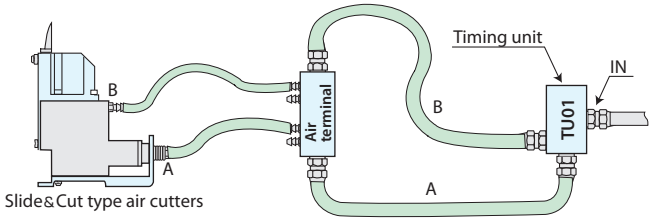
Model	Weight (g)	A (mm)	B (mm)	C (mm)
FB70S	970	110	122	145

TIMING UNIT

TU01

Through the Timing Unit, air from "IN" valve firstly flows into A-branch to move the tool body, and secondly into B-branch after a short interval to actuate the blade.





nile air tools

AIR HEAT CUTTERS

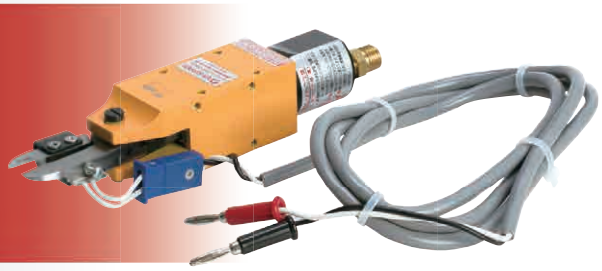
AIR HEAT CUTTERS

Cutting blades are heated for easy cutting.

- Suitable for cutting fragile materials such as Acryl/Glass Resin, etc .
- Square body is easy to be set to stands or machinery.
- Indispensable for resin molding works.
- Operate through solenoid valve or foot-valve(FB70S).
- Cutting speed can be adjusted through Air Regulator.

MACHINE-FITTING TYPE

AH Type Transformer TRF25



● Transformer

TRF25 (for AH5,AH8)

AH type specification

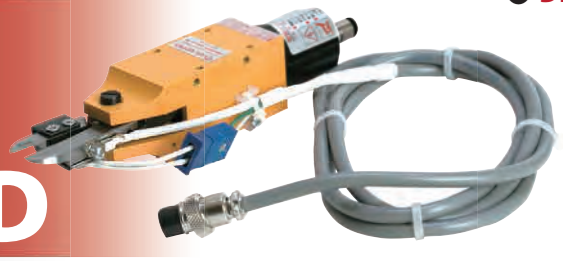
Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Cutting capacity (ϕmm)	Dimensions (mm)														
				A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
AH5	210	64	3.0	76	32	30	14	19	26	–	34	31	M3D7	–	21	7	7	–
AH8	290	116	4.0	94	36	30	18	23	28	–	36	35	M4D6.5	–	23	9	8	–

Model	Input power	Output power	Length of cord (m)
TRF25	AC100V50•60HZ	30VA MAX	1.85

MACHINE-FITTING TYPE

AH-D Type Transformer TRF100D

● Digital Indication type transformer



TRF100D (for AH5D,AH8D)

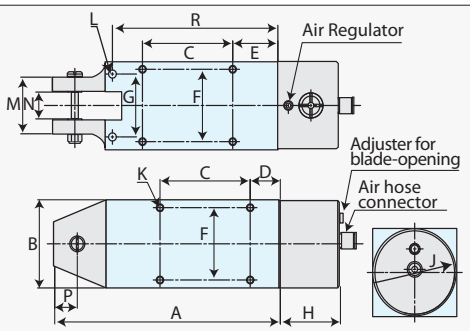
AH-D type specification

Model (less blade)	Weight (g)	Air consumption (cm³/stroke)	Cutting capacity (ϕmm)	Dimensions (mm)														
				A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
AH5D	210	64	3.0	76	32	30	14	19	26	–	34	31	M3D7	–	21	7	7	–
AH8D	290	116	4.0	94	36	30	18	23	28	–	36	35	M4D6.5	–	23	9	8	–

Model	Input power	Output power	Length of cord (m)
TRF100D	AC100V50•60HZ	30VA MAX	1.83

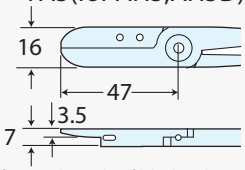
HEATER

W-19 (for AH,AH-D)



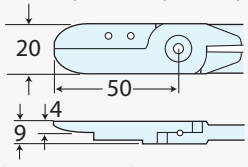
Standard blades

FA5(for AH5,AH5D)



Effective length of blade: about 15 mm
Cutting capacity: ϕ3 mm(hard plastic)

FA8(for AH8,AH8D)



Effective length of blade: about 15 mm
Cutting capacity: ϕ4 mm(hard plastic)

AIR HEAT CUTTERS

- Double-heater can set temperature in wide range between 70～200℃ to fit each resin gate at the most suitable temperature.
- 3 models of replaceable blades are available to suite various kinds of gate cutting jobs.

MACHINE-FITTING TYPE

AH Type Transformer HTR100W

Digital Indication type transformer

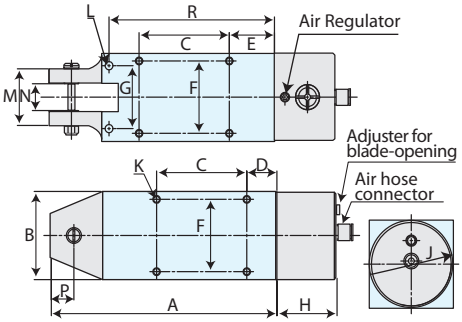
The digital indication type transformer (HTR100W) must be used with these Double-heater type Air Heat-Nippers.

HTR100W (for AH20,AH30)

AH type specification

Model (less blade)	Weight (g)	Air consumption (cm^3/stroke)	Cutting capacity (ϕmm)	Dimensions (mm)														
				A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
AH20	505	262	6.0	109	45	40	19	24	36	30	40	44	M4D8	5.3	26	12	9	81
AH30	930	621	7.0	150	56	60	20	30	46	40	40	55	M5D11	5.3	36	17	15	110

Model	Input power	Output power	Length of cord	Weight	Adjustment range of temperature
HTR100W	AC100V	64VA(MAX)	1.85m	1,200g	70～200℃

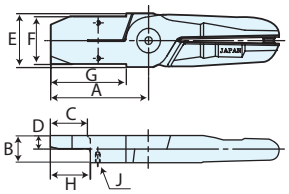


HEATER

W-19W

BLADE

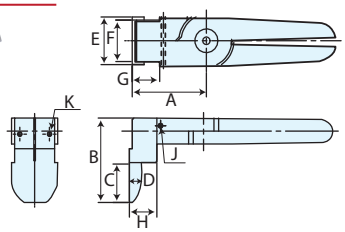
Straight type FA20S , FA30S



(mm)

Model	Blade	A	B	C	D	E	F	G	H	J	K
AH20	**FA20S**	70	12	20	6	36	23	22	22	M3D5	–
AH30	**FA30S**	66	17	25	8.5	35	31	51	27	M3D5	–

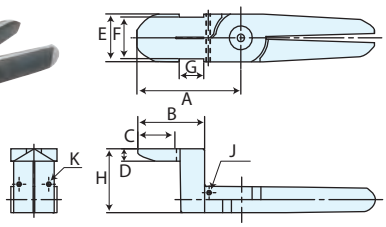
L type FA20L , FA30L



(mm)

Model	Blade	A	B	C	D	E	F	G	H	J	K
AH20	**FA20L**	36	49	20	5	23	19	18.5	18	M3D6	M3D8
AH30	**FA30L**	50	55	25	8	31	27	18.5	18.5	M3	M3D8

Crank type FA20C , FA30C



(mm)

Model	Blade	A	B	C	D	E	F	G	H	J	K
AH20	**FA20C**	55	37	20	5	23	19	16.5	30	M3D6	M3D8
AH30	**FA30C**	70	45	25	8	31	27	16.5	41.5	M3	M3D8

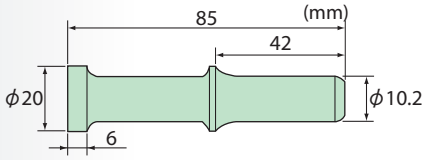
nile air tools

AIR SHOT-HAMMER

AIR SHOT-HAMMER

These shot-hammers simplify and quicken various inserting jobs of pins, bushings, collar caps, oil seals, bearings, etc. in assembly lines.

RVS85
Standard rivet snap



RH25
Standard Single Blow

Recommended Air pressure: 0.5~0.7MPa

Overall length	213mm
Weight	900g
Grip size	ϕ37mm
Air consumption	135cm³/stroke
Blowing power	(Approx.) 360N

● Each operation of the lever generates one blow.

RH80
Standard Single Blow

Recommended Air pressure: 0.5~0.7MPa

Overall length	254mm
Weight	1,300g
Grip size	ϕ45mm
Air consumption	135cm³/stroke
Blowing power	(Approx.) 370N

● Each operation of the lever generates one blow.

RH90
Standard Single Blow

Recommended Air pressure: 0.5~0.7MPa

Overall length	328mm
Weight	1,600g
Grip size	ϕ43mm
Air consumption	651cm³/stroke
Blowing power	(Approx.) 460N

● Each operation of the lever generates one blow.

RH100Z
Heavy-duty Single Blow

Recommended Air pressure: 0.5~0.7MPa

Overall length	328mm
Weight	2,100g
Grip size	ϕ43mm
Tank size	ϕ72mm
Air consumption	651cm³/stroke
Blowing power	(Approx.) 470N

● Each operation of the lever generates one blow.
● It can be used for stamping, riveting and chipping, by changing the attachments.

RH200
Heavy-duty Single Blow

Recommended Air pressure: 0.5~0.7MPa

Overall length	341mm
Weight	2,100g
Grip size	ϕ51mm
Tank size	ϕ86mm
Air consumption	653cm³/stroke
Blowing power	(Approx.) 620N

● Each operation of the lever generates one blow.
● It can be used for stamping, riveting and chipping, by changing the attachments.

CB13S
Small-sized Single Blow

Recommended Air pressure: 0.5~0.6MPa

Overall length	175mm
Weight	310g
Grip size	ϕ30mm
Air consumption	54cm³/stroke

● Each operation of the lever generates one blow.

CB13L
Small-sized Single Blow

Recommended Air pressure: 0.5~0.6MPa

Overall length	215mm
Weight	500g
Grip size	ϕ36mm
Air consumption	105cm³/stroke

● Each operation of the lever generates one blow.

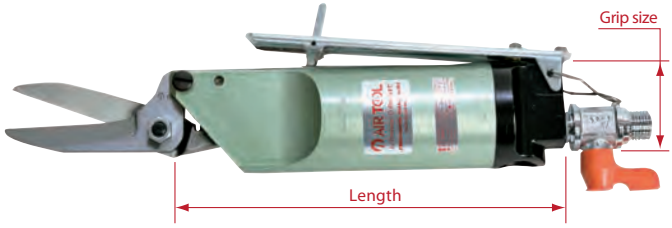
nile air tools

AIR SHEARS
AIR PLATE SHEARS
AIR MULTI-PURPOSE SCISSORS

AIR SHEARS

AIR SHEARS

AS Type
Standard



ASP Type
Heavy-duty

AS type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Air consumption (cm³/stroke)	Air pressure (MPa)
AS100	140	230	36	137	0.5~0.6
AS200	182	500	45	227	0.5~0.6

ASP type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Air consumption (cm³/stroke)	Air pressure (MPa)
ASP150	212	300	36	274	0.5~0.6
ASP250	269	720	45	508	0.4~0.6

AS type Blade cutting capacity

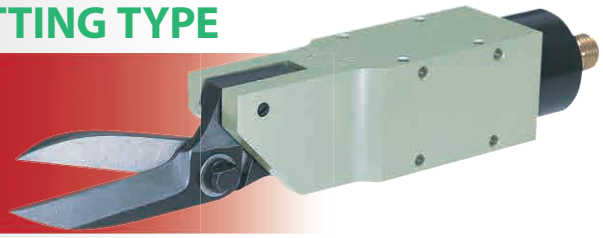
Model	Blade	Plata (mm)
AS100	No.100S , No.100R	0.5×15
AS200	No.200S , No.200R	0.8×25 1.0×10

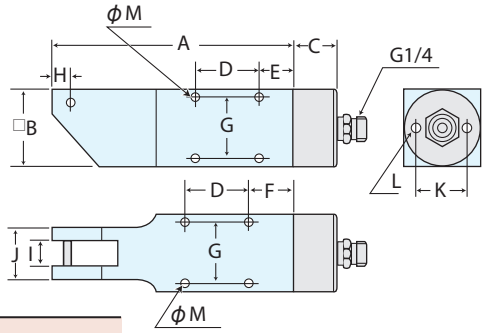
ASP type Blade cutting capacity

Model	Blade	Plata (mm)
ASP150	No.100S , No.100R	0.5×20
ASP250	No.200S , No.200R	0.8×25 1.0×15

AIR SHEARS MACHINE-FITTING TYPE

AM Type





AM type specification

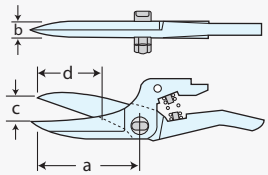
Model (less blade)	Weight (g)	Dimensions (mm)												
		A	B	C	D	E	F	G	H	I	J	K	L	M
AM3	103	90	20	21	40	19	24	16	7	7	20	–	–	M3
AM10	296	109	36	20	30	18	23	28	5	10	26	24	M4	M4
AM20	507	139	45	20	40	19	24	36	6	10	26	30	M5	M4

AM type Blade cutting capacity

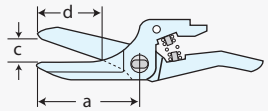
Model	Blade	Plata (mm)	Copper wire(ϕmm)
AM3	No.30S	–	0.8
AM10	No.100S , No.100R	0.5×15	–
AM20	No.200S , No.200R	0.8×25 1.0×10	–

Shape of Blades

No.30S , No.100S , No.200S



No.100R , No.200R



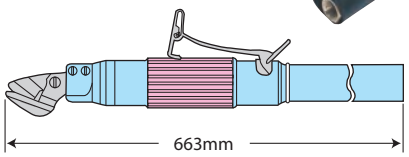
(mm)

Blade	a	b	c	d
No.30S	33	7	6	20
No.100S	66	10	15	37
No.200S	66	10	15	37
No.100R	62	10	12.5	34
No.200R	62	10	12.5	34

AIR PLATE SHEARS/ AIR MULTI-PURPOSE SCISSORS

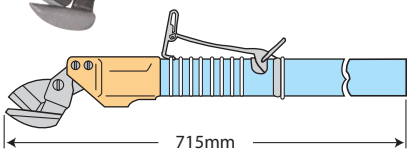
AIR PLATE SHEARS

PSH05
MINI PLATE SHEARS



AIR PLATE SHEARS

PSH10
PLATE SHEARS



PSH type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Cutting speed (min.)	Air consumption (ℓ/min.)	Air pressure (MPa)
PSH05	173	700	40	1,220	300	0.55~0.65
PSH10	224	1,230	40	1,900	450	0.55~0.65

PSH05 type Blade cutting capacity (mm)

Model	Blade	Metal Plate	Aluminum Plate	Rubber Resin Plate
PSH05	E250	0.6	0.8	2.0
	E250S			
	E250H			

"Max. Cutting Capacity" is not definite but just a rough guidance for tool choice.

PSH10 type Blade cutting capacity (mm)

Model	Blade	Metal Plate	Aluminum Plate	Resin Plate
PSH10	E300	1.2	1.2	2.5 〈W/E300〉
	E300S			
	E300H〈High-speed steel made〉			
	E300ZN			

"Max. Cutting Capacity" is not definite but just a rough guidance for tool choice.

AIR MULTI-PURPOSE SCISSORS

GS01 GS02

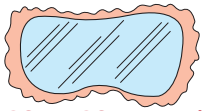
front exhaust

GS01

GS02

rear exhaust

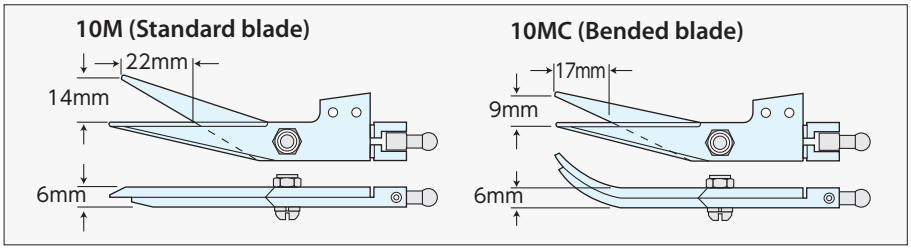
Versatile to cut a wide variety of materials, such as light sheet metal, plastics and carpet, etc.



Suitable for cutting or trimming thin metal sheet, vinyl cloth, paper, etc.

GS01 GS02 specification

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Air consumption (ℓ/min.)	Air pressure (MPa)
GS01/GS02	140	500	36	450	0.35~0.6



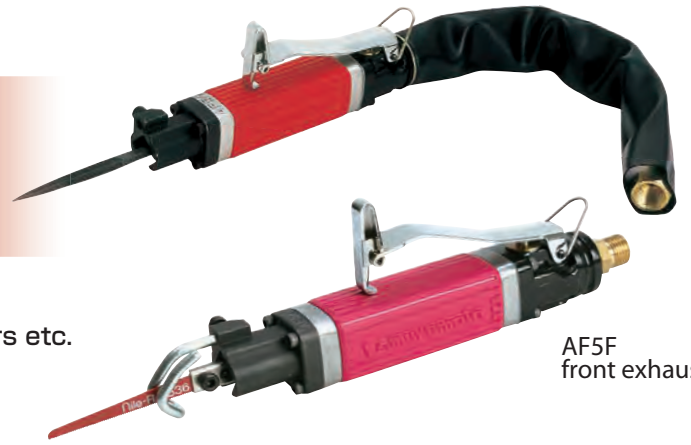
nile air tools

AIR FIL-SAWS

AIR FIL-SAWS

Light in weight and silent in operation.

AF5 Type



AF5A
rear exhaust

AF5F
front exhaust

APPLICATIONS

- Cutting auto-panel, baffles and members etc.
- Cutting urethane bumpers.
- Finishing dies.
- Chamfering parts after machining.
- Deburring die-castings.

AF5 type specification

Recommended air pressure : 0.65MPa

Model	Length (mm)	Weight (g)	Grip size □(mm)	Stroke (mm)	Reciprocating speed(strokes/min.)	Air consumption (ℓ/min.)	Cutting capacity (Metal plate) mm/min(approx.)
AF5A	158	380	29×29	5	3,500	200	1mm Plate 500
AF5F	158	380	29×29	5	3,500	200	1mm Plate 500

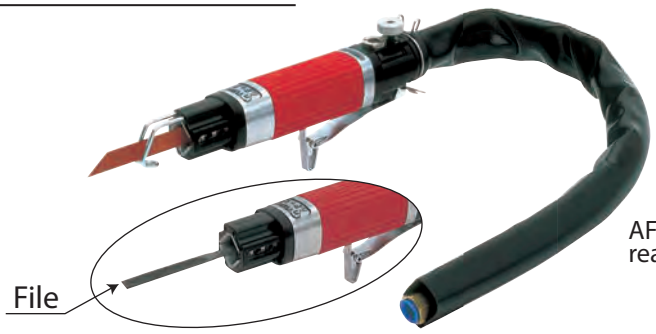
Teeth/inch	Standard saw blade Model&Shape
36	R0536 nile-R0536

Model	Files Model&Shape
AFF50 Flat	
AFR50 Round	
AFT50 Triangular	

File (OPTION)

Model	Shape
AFH50	

AF Type



AF10S
rear exhaust

AF type specification

Recommended air pressure : 0.65MPa

Model	Length (mm)	Weight (g)	Grip size □(mm)	Stroke (mm)	Reciprocating speed(strokes/min.)	Air consumption (ℓ/min.)	Cutting capacity (Metal plate) mm/min(approx.)
AF7	180	650	39×37	7	6,900	280	1mm Plate 900 3mm Plate 135
AF7S	180	650	39×37	5	8,400	280	1mm Plate 850 3mm Plate 135
AF10S	201	750	39×37	10	5,500	280	1mm Plate 1,000 3mm Plate 180

Teeth/inch	Standard saw blade Model&Shape
32	AF1032 nile-AF-1032
	R1032 nile-R-1032

Model	Files Shape
AFF50 Flat	
AFR50 Round	
AFT50 Triangular	

Saw Blade (OPTION)

Model	Application	Teeth/inch	Shape
SR1036	Steel (Small circle)	36	nile-SR-1036
R1010	Urethane	10	nile-R-1010
W1014	Wood Aluminum	14	nile-W-1014

nile air tools

MINI BELTERS
AIR SQUEEZERS
CABLE CUTTERS
AIR TWISTER

MINI BELTERS

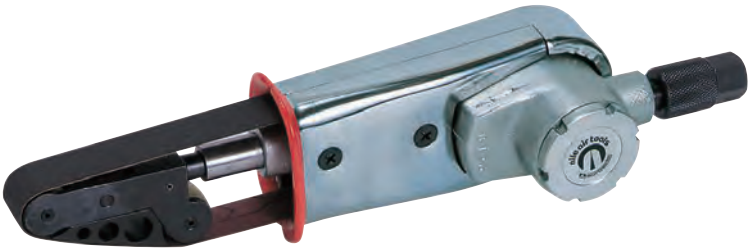
MINI BELTERS
MB20

For use in limited places or for spot sanding

MB20 specification

Model	Length (mm)	Weight (g)	Air consumption (ℓ/min.)	Air pressure (MPa)	Free belt speed (m/min.)	Belt size (mm)	Remarks ϕ(mm)
MB20	290	930	300	0.5~0.6	2,200	20×500	Diameter of pulley ϕ21mm

MINI BELTERS
MB20S



3-point belt suspension makes sanding more smooth

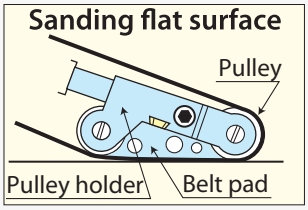
MB20S specification

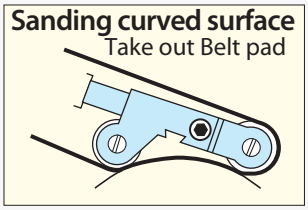
Model	Length (mm)	Weight (g)	Air consumption (ℓ/min.)	Air pressure (MPa)	Free belt speed (m/min.)	Belt size (mm)	Remarks ϕ(mm)
MB20S	290	1,080	300	0.5~0.6	2,200	20×500	Diameter of pulley ϕ21mm

Product name	Model	Belt Size (mm)	Type
Belt (Per box 20pcs)	#40	20×520	MB20 MB20S
	#60		
	#100		

APPLICATIONS

- Sanding for various auto-repair services such as…
  - Removing spot welding.
  - Removing paint off flat or curved surfaces.
  - Removing welding bead.
- Finishing wood work.
- Deburring small metal products.
- Removing rust.

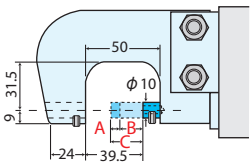




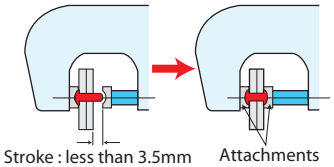
AIR SQUEEZERS/ CABLE CUTTERS/AIR TWISTER

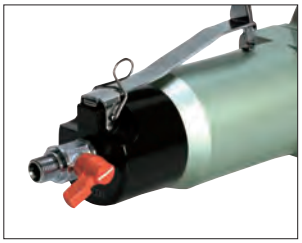
AIR SQUEEZERS

GXT1000 GXT1200



A=3.5mm (pressure power generation zone)
B = 17mm (quick projection zone)
C = 20.5mm (overall stroke)
★ Attachments are optional and manufactured on demand.
★ Use a suitable die for punching.





GXT type specification

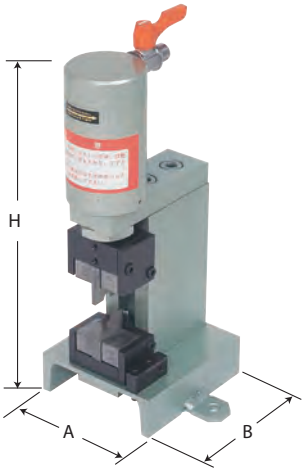
Model	Length (mm)	Weight (g)	Grip size ϕ(mm)	Air consumption (cm³/stroke)	Power N (approx.)	Air pressure (MPa)	Capacity (for reference)	
							Riveting	Punching holes
GXT1000	359	3,300	65	1,019	5,780	0.5~0.6	Steel rivet=less ϕ2mm Aluminum rivet= less than ϕ4mm	ϕ4mm Holes (2mm Steel Plate)
GXT1200	472	3,800	56	1,715	8,800	0.5~0.6	Steel rivet=less ϕ2mm Aluminum rivet= less than ϕ5mm	ϕ4mm Holes (3mm Steel Plate)

CABLE CUTTERS

WK Type

Cutting of iron plate. Cutting of nylon tube.
By changing the blade,various cutting work can be done.

With safety cover



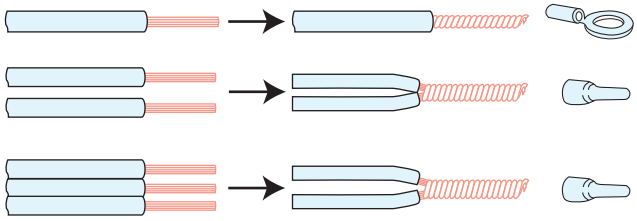
WK type specification

Model (less blade)	Weight (kg)	Air consumption (cm³/stroke)	Air pressure (MPa)	Dimensions (mm)			Blade	Cutting capacity (ϕmm)
				A	B	H		
WK10	6	639	0.5~0.65	100	110	268.5	VOHR5	Cabtire cable : until 7mm
WK30N	21	5,000	0.5~0.65	125	216	394	VOHR10	Cabtire cable : until 30mm

AIR TWISTER

RC6

Easy to insert of Crimping terminal,
Connection terminal and etc.



RC6 specification

Model	Length (mm)	Weight (g)	Grip size ϕ(mm)	Air consumption (cm³/stroke)	Rotations Speed (min)	Twist capacity
RC6	180	830	38	45	1,900	1~5

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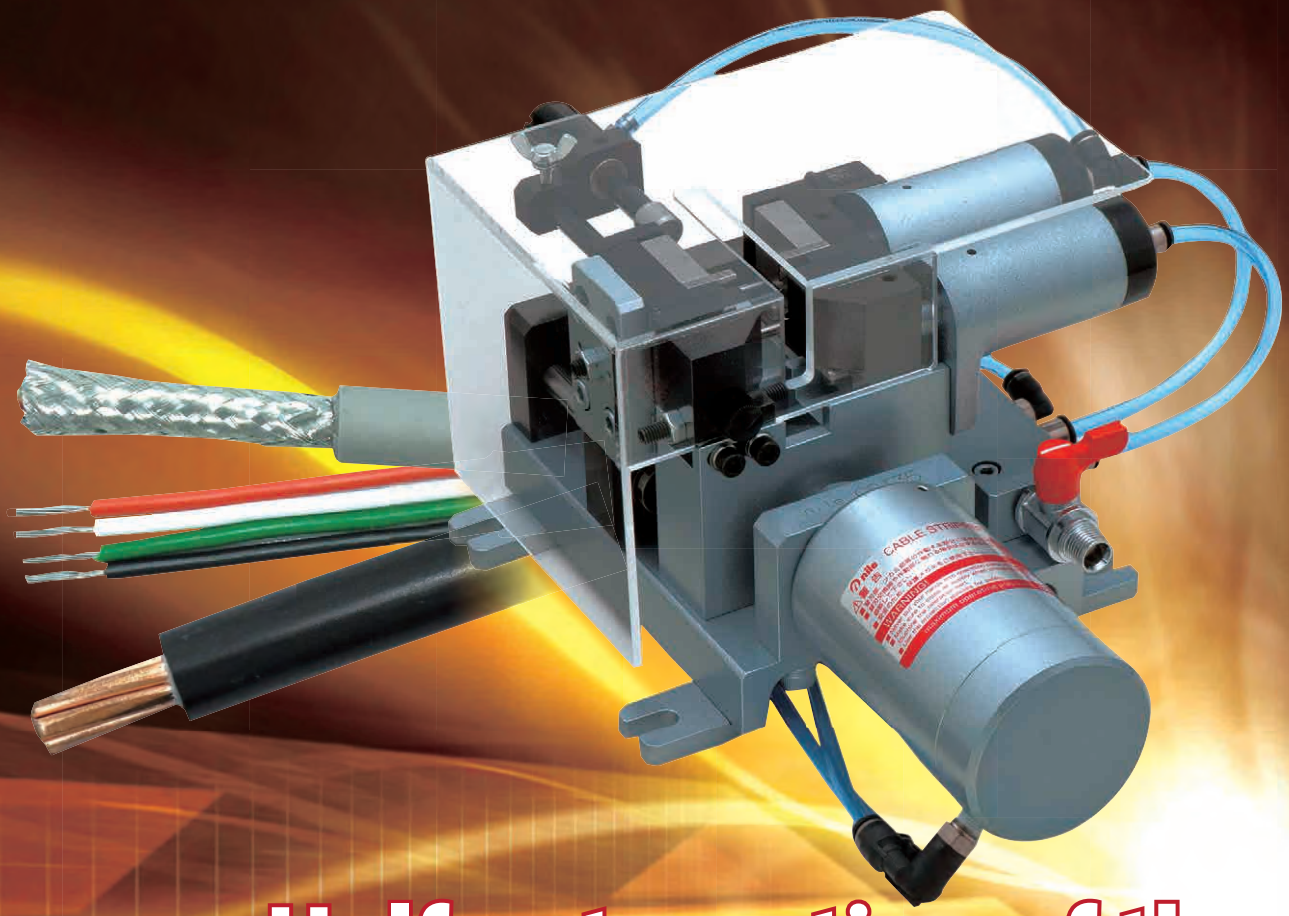
CABLE STRIPPERS



Half automation of the electric cable stripping

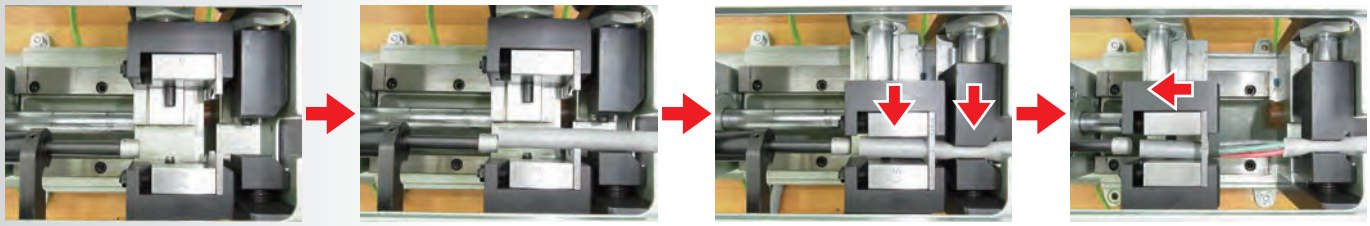
It is product that can work efficiently with less investment. Anyone can easily work and can shorten a working hour.

Recommended type of industry

- Harness line processing, such as an automobile
- Electric cable processing of vehicle charging station
- Terminal processing of electric cable for houses
- Terminal processing of the household electrical appliance
- Electric cable processing of Solar-related

CABLE STRIPPERS

Work will be easy and simple for anyone.
It saves time and trouble stripping cables.

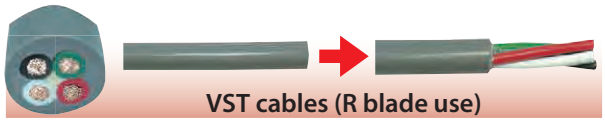


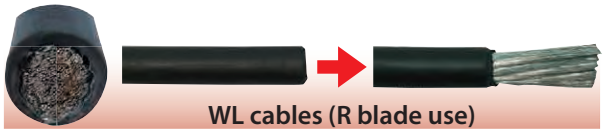
Set of spare blade → Insert the cable → Push the foot valve → The cable is instantly stripped

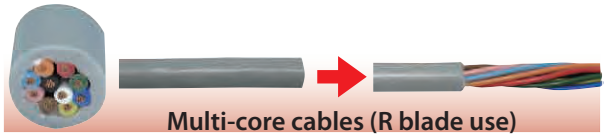
Example of application

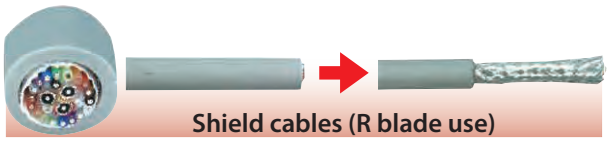
Simple stripping

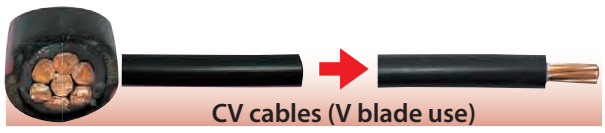
By changing blades, it can support a wide variety of electric cable.

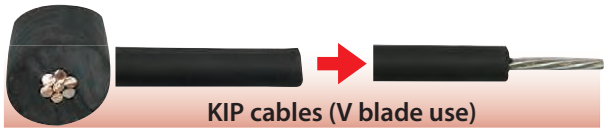
1 
VST cables (R blade use)

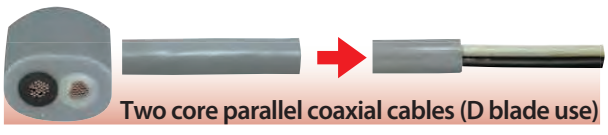
2 
WL cables (R blade use)

3 
Multi-core cables (R blade use)

4 
Shield cables (R blade use)

5 
CV cables (V blade use)

6 
KIP cables (V blade use)

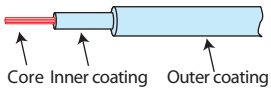
7 
Two core parallel coaxial cables (D blade use)

※Electric cable other than the above is also available.
Please contact us once.

Simultaneous stripping of the thin cables (S blade use)

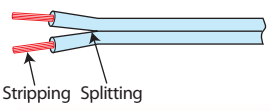
It can strip a thin cable several at the same time.

2 segment stripping (R&S blade use)

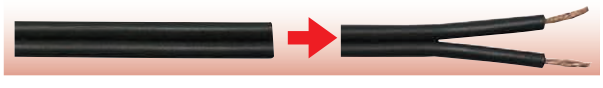


Strip inner and outer coatings at the same time.

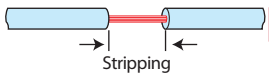
Simultaneous stripping of the line split cables (SP1&WR blade use)



Split joined cables and strip them at the same time.



Middle stripping (R blade use)

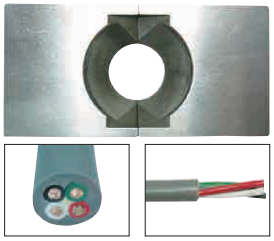


Outer coating movement method

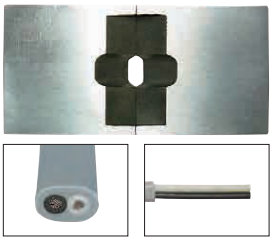
CABLE STRIPPERS

Blades

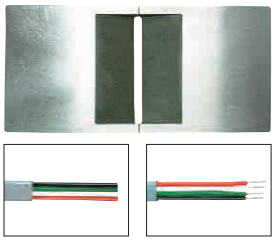
R-TYPE



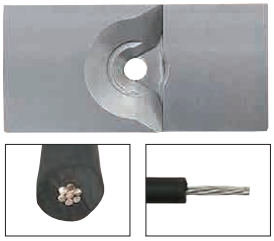
D-TYPE



S-TYPE



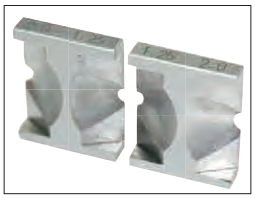
V-TYPE



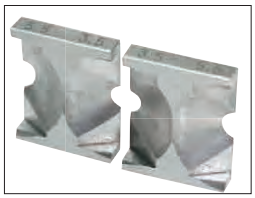
Only the CST35 has standard spare blade set

Set items		
Product for 1.25sq・2.0sq	RW1.25-2.0	1set
Product for 3.5sq・5.5sq	RW3.5-5.5	1set
Product for S0	S0	1set

With case



●RW1.25-2.0
for 1.25sq・2.0sq



●RW3.5-5.5
for 3.5sq・5.5sq

●S0
for S zero

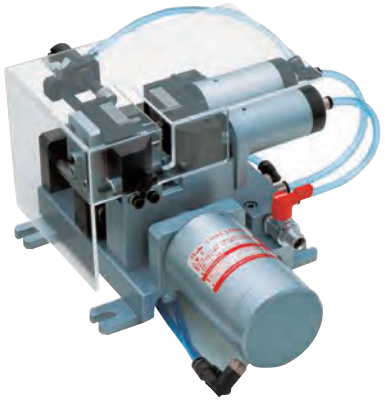
※It is possible to use two sizes in one set.

※Operate the stopper bolt, please use it to adjust the blade spacing.

CST35

For thin cable

It's suitable for the high-speed stripping of the thin cable.



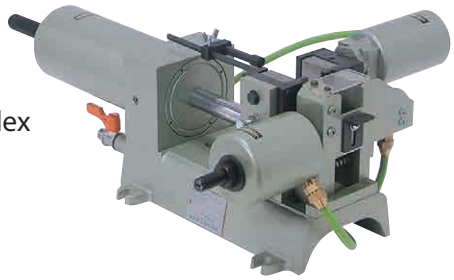
CST35 specification

Model	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm^3/stroke)	Air pressure (MPa)	Stripping capacity ϕ(mm)	Stripping length (mm)
CST35	260	8	100	150	850	0.5~0.6	up to ϕ5mm outer dia.	30

CST100

The most standard type

It can perform the complex stripping.



CST100 specification

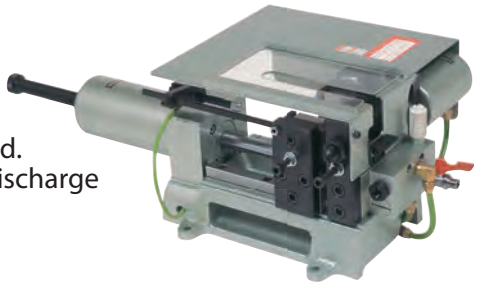
Model	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm^3/stroke)	Air pressure (MPa)	Stripping capacity ϕ(mm)	Stripping length (mm)
CST100	420	13.5	169	318	3,000	0.5~0.6	up to ϕ15mm outer dia.	100

CABLE STRIPPERS

CST110

Improvement of type CST100

Safety cover is attached.
It can smoothen the discharge of waste.



CST110 specification

Model	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm^3/stroke)	Air pressure (MPa)	Stripping capacity ϕ (mm)	Stripping length (mm)
CST110	470	21	200	275	3,100	0.5~0.6	up to ϕ15mm outer dia.	100

CST100L

Long type

It is suitable for stripping long dimension cable.

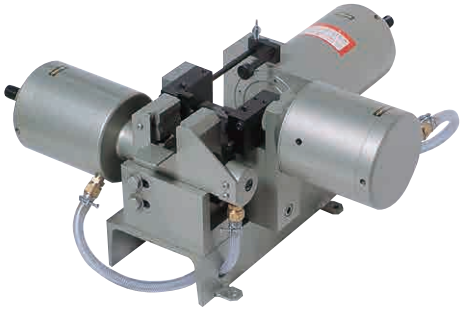
CST100L specification

Model	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm^3/stroke)	Air pressure (MPa)	Stripping capacity ϕ (mm)	Stripping length (mm)
CST100L	785	18	155	300	5,872	0.5~0.6	up to ϕ15mm outer dia.	200

CST120

Large type

It is suitable for stripping of large diameter cable.



CST120 specification

Model	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm^3/stroke)	Air pressure (MPa)	Stripping capacity ϕ (mm)	Stripping length (mm)
CST120	487	43	282.5	493	8,000	0.5~0.6	up to ϕ30mm outer dia.	100

nile air tools

CURL HOSE

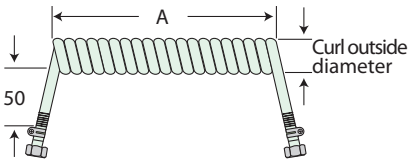
CURL HOSE. It is covered with pure urethane tube utilizing the properties of the thermoplastic polyurethane resin.
It is an epoch-making air hose of outer diameter only ϕ28mm.

Utility Cylinder apparatus, Coating spray gun, Industrial equipment, Food machinery, Medical equipment, Pneumatic tools General

Appearance	The outer diameter is ϕ28mm (standard type) : therefore light and easy to handle.
Flexibility	It is flexible and light weight (1/3 of the rubber hose) : therefore grip operation is easy and makes your work simple.
Elasticity	It has high repulsion characteristics and can endure severe use.
Wear resistance	Wear resistance is 3-5 times that of rubber hose.
Chemical resistance	Except for hydrochloric acid, phosphoric acid, sulfuric acid, nitric acid, and caustic soda, methyl chloride, chlorine-Benz aldehyde non-human. It use the material for the best that can withstand most (30 days soaked)
Heat resistant	Up to 70℃
Cold resistant	It do not spoil the flexibility even in the state of -10℃
Pressure resistance	It will tolerate a 300,000 times or more expansion and contraction test in air pressure 0.7MPa.
Operability	The outside diameter of the curl is narrow and the both end of the hose are straight for a certain size, therefore it won't rent even handling them roughly.
Color tone	The color of the hose is mellow green to prevent eyestrain.

CURL HOSE

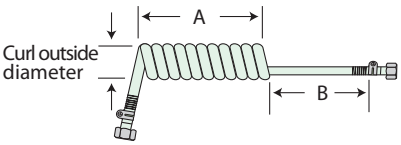
CURL HOSE



CURL HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Curl outside diameter (ϕmm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (MPa)	Hose coupling	Carved seal No.
100	100	60	28	about 0.3	2.6	Up to 0.7	5×8	G1/4 Female thread	10
200	200	80		about 0.6					20
300	300	120		about 1.0					30
400	400	150		about 1.2					40
600	600	210		about 2.0					60
750	750	250		about 3.0					75

CURL HOSE with straight hose

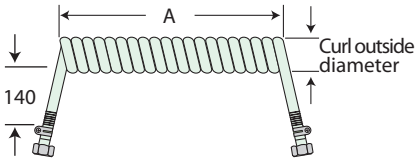


CURL HOSE with straight hose specification

Part number	Straight Portion (mm)	Weight (g)	Curl outside diameter (ϕmm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (MPa)	Hose coupling	Carved seal No.
1800	Curl Div.(A)300 StraightDiv.(B) 1,500	190	28	about 2.5	2.6	Up to 0.7	5×8	G1/4 Female thread	
3300	Curl Div.(A)300 StraightDiv.(B) 3,000	240		about 4.0					

Semi-blade hose

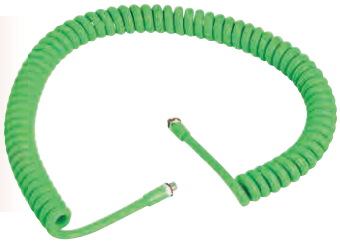
Jumbo CURL HOSE

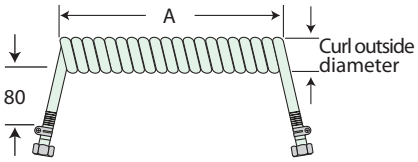


Jumbo CURL HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Curl outside diameter (ϕmm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (MPa)	Hose coupling	Carved seal No.
G500	500	340	39	about 1.5	4.4	Up to 1.5	6.5×10	G1/4 Female thread	G5
G750	750	390		about 2.5					G7.5
G1000	1,000	500		about 4.0					G10
G1500	1,500	710		about 6.0					G15
G2000	2,000	920		about 8.0					G20

Mini CURL HOSE



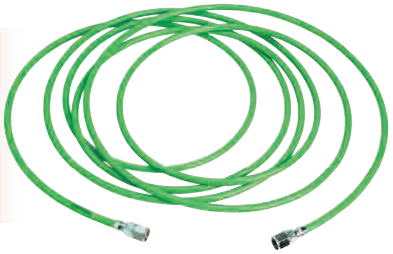


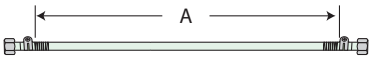
Mini CURL HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Curl outside diameter (ϕmm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (MPa)	Hose coupling	Carved seal No.
M20	200	20	15	about 0.6	2.6	Up to 0.7	3×5	M5 Malethread	
M40	400	40		about 1.2					
M60	600	60		about 2.0					

CURL HOSE

Straight HOSE





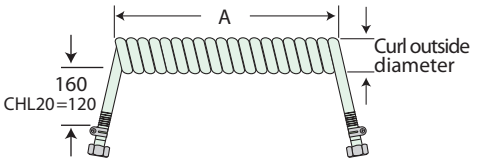
Straight HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Curl outside diameter (φmm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (MPa)	Hose coupling	Carved seal No.
UH2	2,000	140			2.6	Up to 0.7	5×8	G1/4 Female thread	
UH3	3,000	180							
UH5	5,000	250							
UH7	7,000	340							
UH10	10,000	460							

Thickly rolled Curl hose

CHL type CURL HOSE

10 times elongation rate !



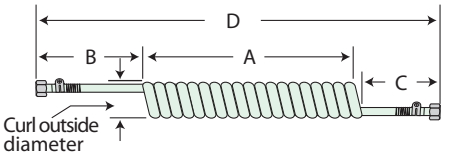
Because it expands 10 times of the full length, the use range will widen.

CHL type CURL HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Curl outside diameter (φmm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (MPa)	Hose coupling	Carved seal No.
CHL20	200	200	56	about 2.0	2.6	Up to 0.7	5×8	G1/4 Female thread	L2
CHL30	300	270		about 3.0					L3
CHL40	400	340		about 4.0					L4
CHL50	500	400		about 5.0					L5
CHL60	600	450		about 6.0					L6

Urethane air hose

SE type CURL HOSE



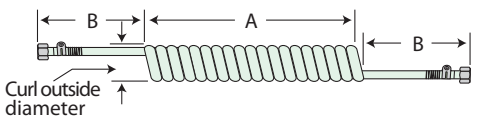
Part of the straight type is in the same direction as the curl part.

SE type CURL HOSE specification

Part number	Straight Portion(mm) A	B	C	D	Weight (g)	Curl outside diameter (φmm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (MPa)	Hose coupling	note	Carved seal No.
SE30	300	100	100	500	100	28	about 1.0	2.6	Up to 0.7	5×8	G1/4 Female thread	Both ends spring	E3
SE40	400	200	100	700	190		about 1.5						E4
SE50	500	230	100	830	220		about 2.0						E5
SE60	600	230	100	930	250		about 2.5						E6
SE70	700	230	100	1,030	280		about 3.0						E7
SE80	800	230	100	1,130	310		about 3.5						E8

Urethane air hose

GS type CURL HOSE



Please use at a situation that requires a flow rate.

GS type CURL HOSE specification

Part number	Straight Portion(mm) A	B	Weight (g)	Curl outside diameter (φmm)	Operating range (m)	Working pressure (MPa)	Inner Diameter× Outside Diameter (MPa)	Hose coupling	Carved seal No.
GS650	650	160	360	39	about 2.0	Up to 0.7	6.5×10	G1/4 Female thread	S65
GS750	750	160	410		about 2.5				S75
GS850	850	160	450		about 3.0				S85
GS950	950	160	510		about 3.5				S95

MERRY

muromoto

"MERRY" BRAND
HAND TOOLS

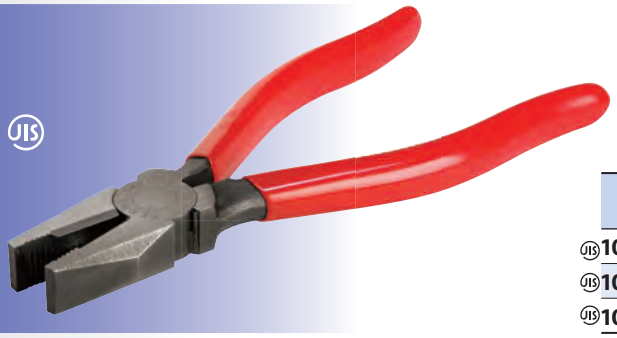
SIDE CUTTING PLIERS
NIPPERS
NIPPERS FOR PIANO WIRE
LONG NOSE SIDE CUTTING PLIERS & PLIERS
NIPPERS FOR CUTTING PLASTICS 160S SERIES
NIPPERS FOR CUTTING PLASTICS HOT SELLER
END CUTTING PLASTICS NIPPERS /
R-CUT NIPPERS FOR CUTTING PLASTICS
NIPPERS FOR CUTTING PLASTICS OTHERS
HEAT NIPPERS FOR CUTTING PLASTICS
SERIES THING
CLIP PLIERS / SNAP RING PLIERS / DUCT CUTTERS
PLASTIC PIPE CUTTERS
DUCT AND MOULD CUTTERS / MERRY CUTTERS
STRIPPERS
OTHERS

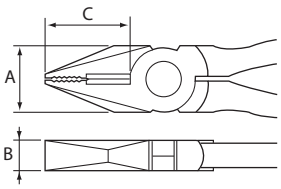
MERRY

SIDE CUTTING PLIERS

SIDE CUTTING PLIERS

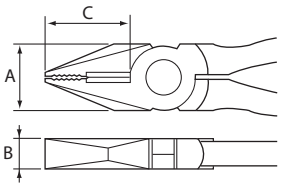
1050 (JIS)
Side cutting pliers





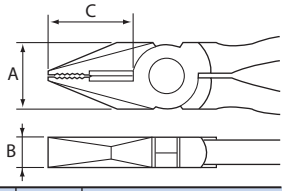
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
(JIS) 1050-150	150	22.0	12.5	26.0	200	2.0	3.0
(JIS) 1050-175	175	23.5	13.5	30.5	275	2.6	3.5
(JIS) 1050-200	200	26.5	14.5	32.0	375	3.2	4.0

1050H (JIS)
Side cutting pliers



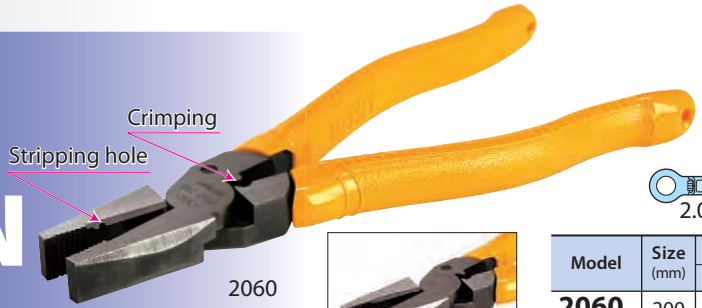
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
(JIS) 1050H-150	150	22.0	12.5	26.0	210	2.0	3.0
(JIS) 1050H-175	175	23.5	13.5	30.5	285	2.6	3.5
(JIS) 1050H-200	200	26.5	14.5	32.0	385	3.2	4.0

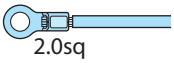
2050
High leverage side cutting pliers

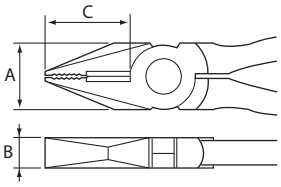


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
2050-185	185	25.5	13.5	33.0	290	3.2	4.0
2050-225	225	27.0	14.5	35.0	370	3.6	4.5

2060
2060N
High leverage side cutting pliers <with crimping die>

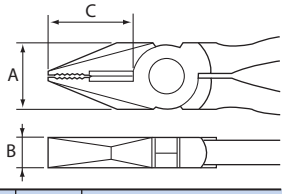






Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
2060	200	25.5	13.5	37.0	293	3.2	4.0
2060N	200	25.5	13.5	37.0	300	3.2	4.0

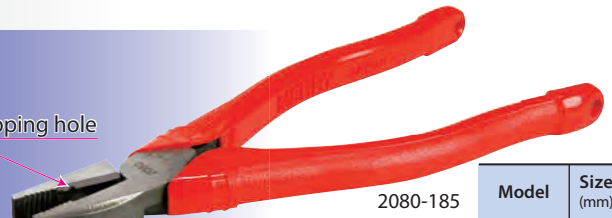
2060U
VA cutting pliers <with crimping die>

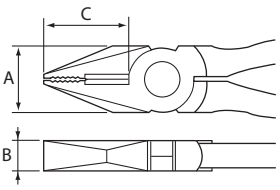


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Copper wire	VVF wire
2060U	200	25.5	13.5	37.0	285	4.0	φ2.0×3.0

SIDE CUTTING PLIERS

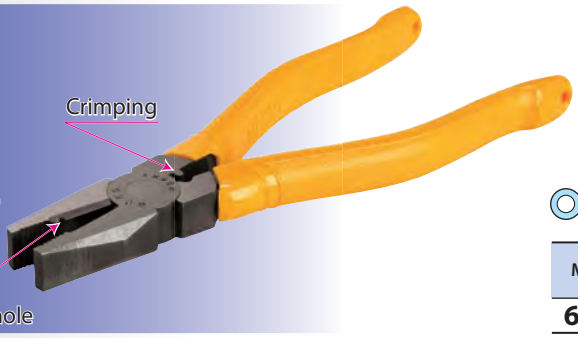
2080 2080N
Slim type side cutting pliers

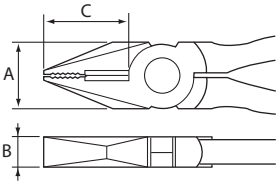




Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
2080-185	185	20.0	12.0	33.0	214	3.2	4.0
2080-210	210	23.0	12.5	37.0	274	3.6	4.5
2080N-185	185	20.0	12.0	33.0	213	3.2	4.0
2080N-210	210	23.0	12.5	37.0	272	3.6	4.5

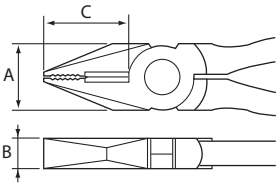
6050
Side cutting pliers <with crimping die>





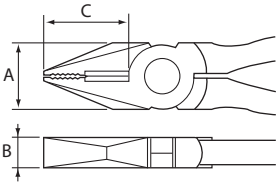
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
6050	185	24.0	14.0	33.0	295	2.6	3.5

XP200
Side cutting pliers for electrical work



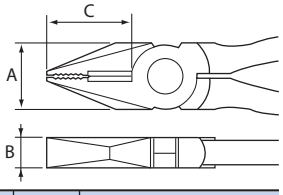
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
XP200	200	27.5	13.5	33.0	360	3.6	4.5

8050
Center cutting pliers



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)		
		A	B	C		Steel wire	Copper wire	VVF
8050-185	185	23.0	11.7	30.5	235	3.2	4.0	1.6×2
8050-210	210	24.5	13.5	35.5	300	3.6	4.5	2.0×3

2070
High leverage side cutting pliers



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
2070	225	27.0	12.4	38.5	360	4.0	5.0

MERRY

NIPPERS

NIPPERS

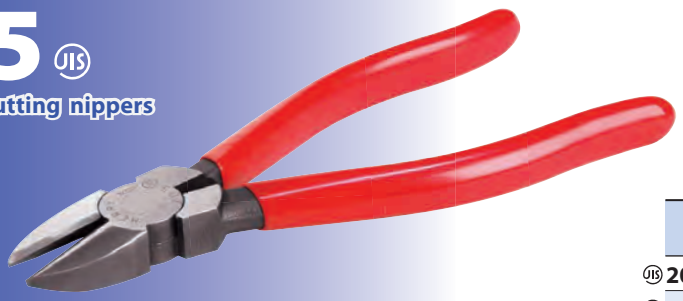
Blade shape

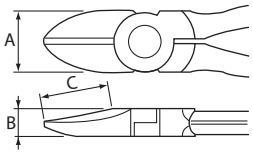
- **Standard** — for cutting hard wire
- **Semi-flush** — for cutting medium wire
- **Full-flush** — for cutting soft wire only or plastic, gate and sprue

205 (JIS)

Diagonal cutting nippers

Standard



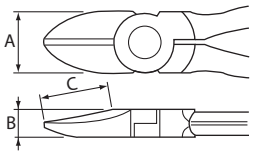


Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (φmm) Steel wire	Copper wire
(JIS) **205-150**	150	22.0	12.5	22.5	185	2.0	2.6
(JIS) **205-175**	175	24.5	13.0	26.5	260	2.0	3.0
205-200	200	26.5	14.0	30.0	330	2.6	3.5

205H (JIS)

Diagonal cutting nippers

Standard



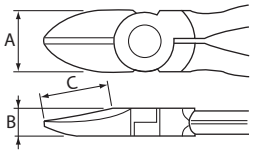
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (φmm) Steel wire	Copper wire
(JIS) **205H-150**	150	22.0	12.5	22.5	195	2.0	2.6
(JIS) **205H-175**	175	24.5	13.0	26.5	270	2.0	3.0
205H-200	200	26.5	14.0	30.0	345	2.6	3.5

206S

Flush diagonal nippers

Spring Loaded

Full-flush

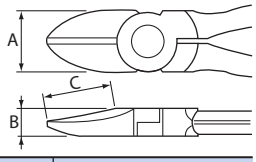


Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (φmm) Steel wire	Copper wire
206S-150	150	22.5	12.5	22.0	185	2.0	2.6
206S-175	175	24.5	13.0	26.5	260	2.0	3.0
206S-200	200	26.0	14.0	29.0	330	2.6	3.5

207

Diagonal cutting nippers
<with crimping die>

Standard



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (φmm) Steel wire	Copper wire
207	225	26.0	12.2	27.0	347	3.0	4.0

NIPPERS

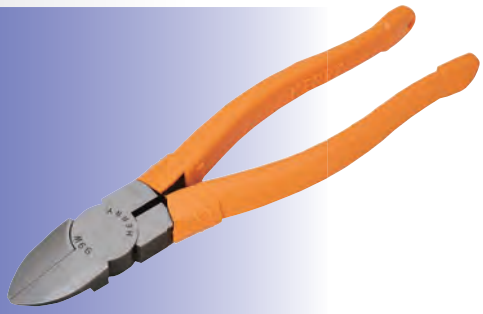
Blade shape

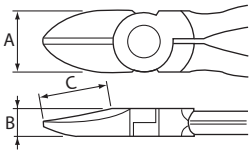
- **Standard** — for cutting hard wire
- **Semi-flush** — for cutting medium wire
- **Full-flush** — for cutting soft wire only or plastic, gate and sprue

99W

VA cutting nippers

Full-flush



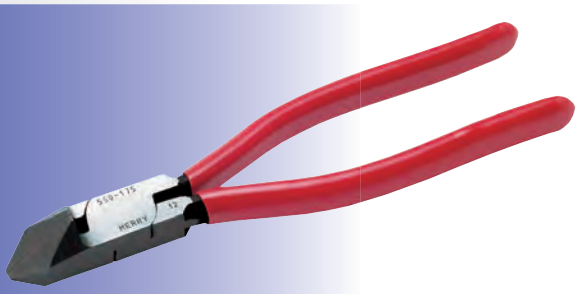


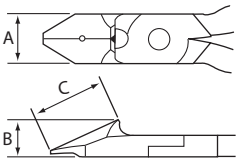
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		VVF wire
99W-150	150	22.0	12.5	21.5	220	ϕ2.0×3.0
99W-175	175	24.0	12.5	25.0	275	ϕ2.0×3.0
99W-200	200	26.5	14.0	29.0	355	ϕ2.6×3.0

550

Cutting nippers

Semi-flush





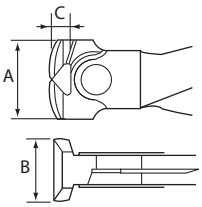
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
550-150	150	15.0	15.0	25.0	140	1.6	2.0
550-175	175	18.0	18.5	28.0	186	2.0	3.0

405

End cutting nippers

Spring Loaded

Standard



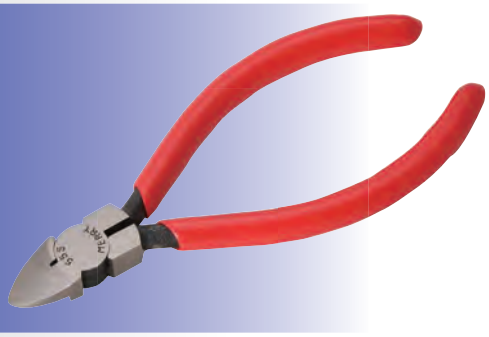
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
405-7	175	30.5	24.5	7.5	245	2.0	3.0
405-8	200	36.5	30.5	7.5	300	2.4	3.2
405-9	230	37.0	30.0	7.5	324	2.6	3.5

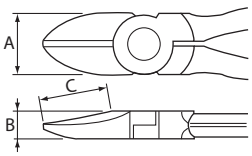
55S

Electronic nippers

Spring Loaded

Semi-flush





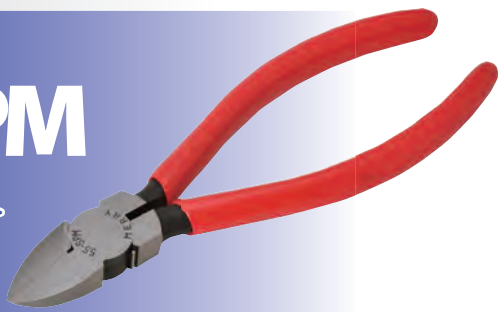
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
55S-120	120	13.0	8.5	14.5	70	0.8	1.2
55S-150	150	17.5	10.5	21.0	130	1.5	2.6

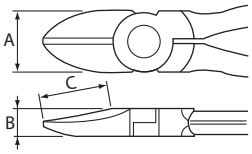
55S-PM

Electronic nippers <wire holding type>

Spring Loaded

Semi-flush





Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
55S-PM-120	120	13.0	8.0	14.5	70	0.8	1.2
55S-PM-150	150	17.0	10.5	20.5	130	1.5	2.6

NIPPERS

Blade shape

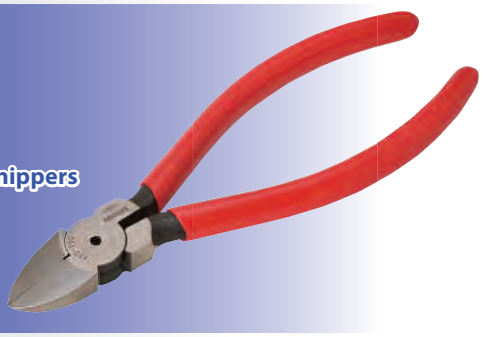
- **Standard** — for cutting hard wire
- **Semi-flush** — for cutting medium wire
- **Full-flush** — for cutting soft wire only or plastic, gate and sprue

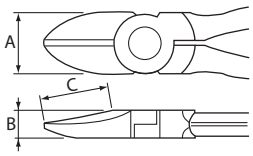
450

Diagonal cutting nippers

Spring Loaded

Semi-flush





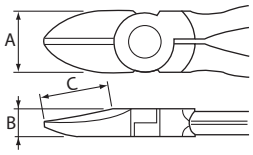
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
450-125	125	12.5	8.0	14.0	70	0.8	1.2
450-150	150	17.0	10.0	20.5	130	1.5	2.6

305

Wire nippers <for hard wire>

Spring Loaded

Standard



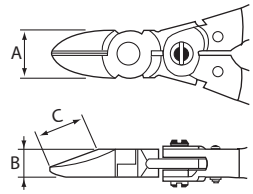
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
305-7	175	24.0	12.5	20.0	195	2.6	3.5
305-8	200	26.5	12.5	23.0	245	3.2	4.0

WA1000

Compound cutting nippers

Spring Loaded

Standard

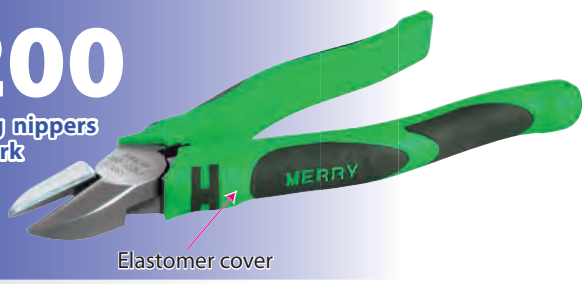


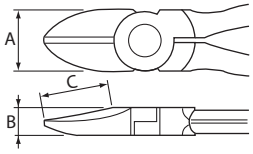
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
WA1000	160	19.0	11.0	17.0	160	2.0	2.6

XN200

Diagonal cutting nippers for electrical work

Standard



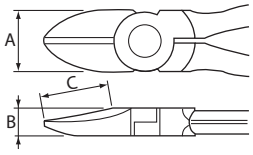


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
XN200	200	26.5	13.5	28.0	330	2.6	3.5

205T

Diagonal cutting nippers <Luminous cover>

Standard



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
205T-150	150	22.0	12.5	22.5	191	2.0	2.6
205T-175	175	24.5	13.0	26.5	243	2.0	3.0
205T-200	200	26.5	14.0	30.0	324	2.6	3.5

MERRY

NIPPERS FOR PIANO WIRE

NIPPERS FOR PIANO WIRE

Blade shape

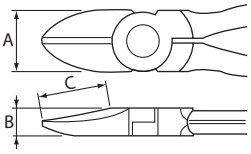
- Standard — for cutting hard wire
- Semi-flush — for cutting medium wire
- Full-flush — for cutting soft wire only or plastic, gate and sprue

CT55

Electro nippers <carbide tipped>

Spring Loaded

Semi-flush



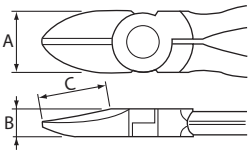
Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Piano wire
CT55-120	120	12.0	8.0	8.0	70	0.5
CT55-150	150	17.0	10.0	16.0	135	0.5

CT305

Diagonal cutting nippers <carbide tipped>

Spring Loaded

Standard



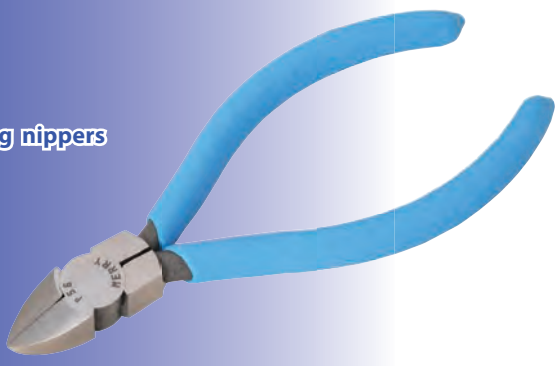
Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Piano wire
CT305-7	175	24.0	12.0	16.0	195	1.0
CT305-8	200	26.0	12.0	16.0	245	1.2

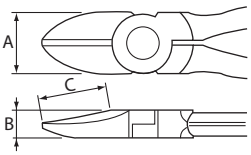
P56

Steel wire cutting nippers

Spring Loaded

Semi-flush





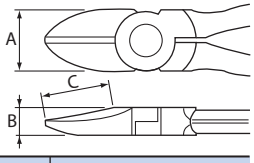
Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Piano wire
P56	120	12.0	8.5	12.0	70	0.5

203

High leverage steel wire cutting nippers

Spring Loaded

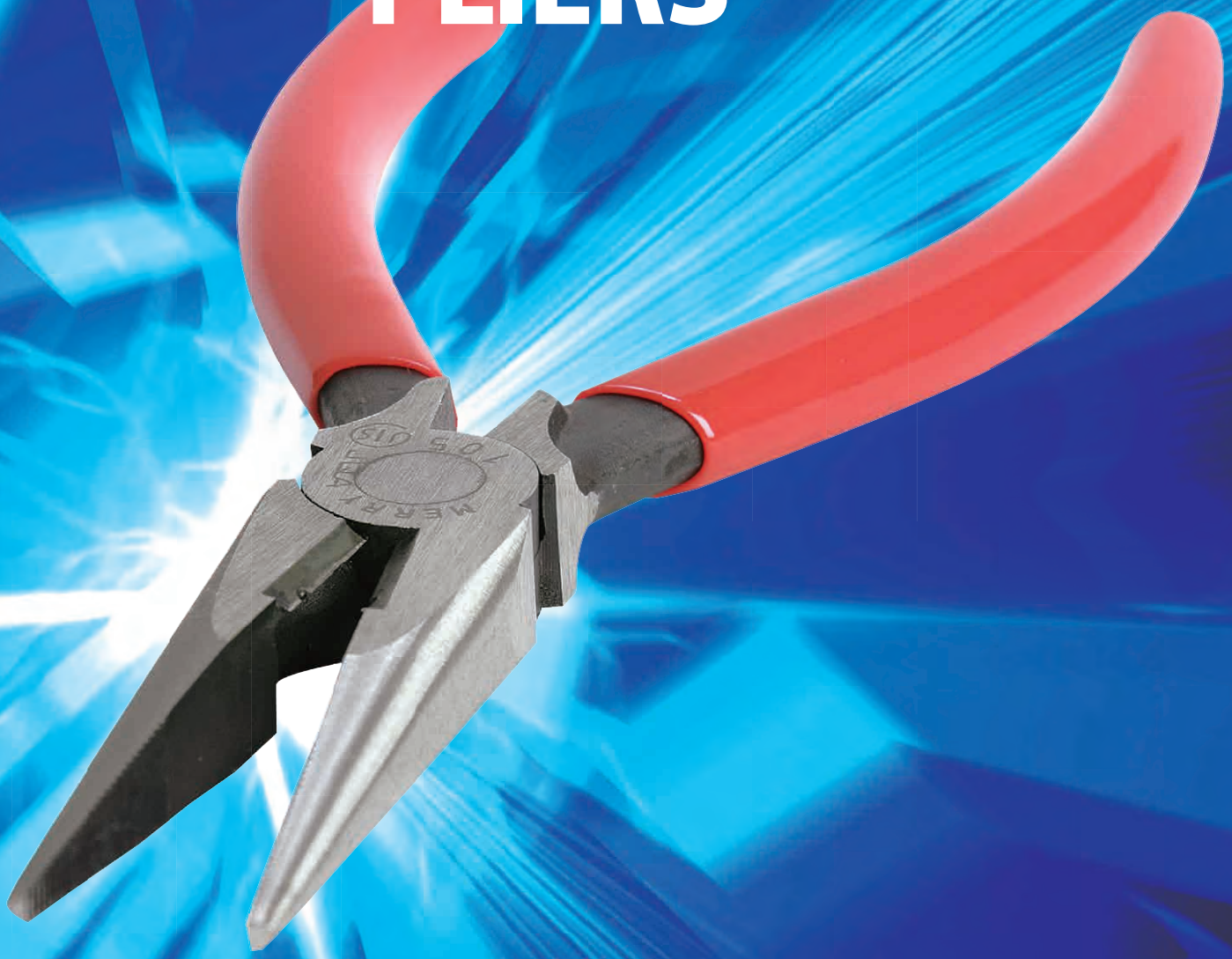
Standard



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Steel wire(Welding wire)
203	175	24.0	12.5	24.0	261	1.6

MERRY

LONG NOSE SIDE CUTTING PLIERS & PLIERS

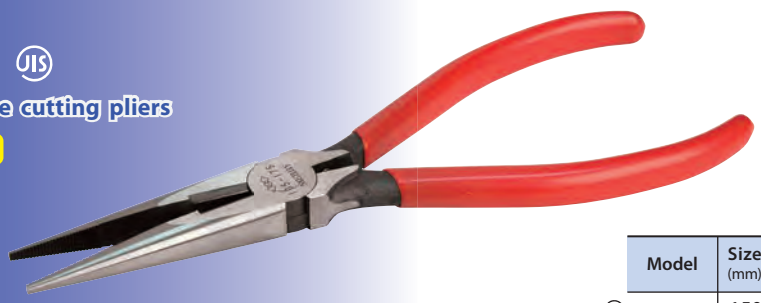


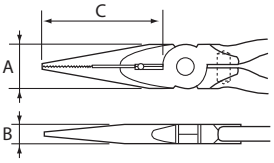
LONG NOSE SIDE CUTTING PLIERS & PLIERS

105 (JIS)

Long nose side cutting pliers

Spring Loaded



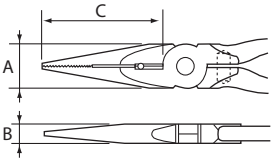


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
(JIS) **105-150**	150	17.0	10.5	50.0	115	1.5	2.6
105-175	175	19.0	10.5	59.0	150	2.0	3.0

105H (JIS)

Long nose side cutting pliers

Spring Loaded

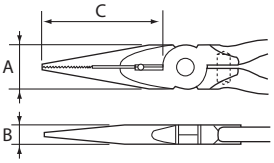


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
(JIS) **105H-150**	150	17.0	10.5	50.0	130	1.5	2.6
105H-175	175	19.0	10.5	59.0	165	2.0	3.0

150

Long nose side cutting pliers
<slim type>

Spring Loaded

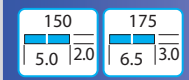


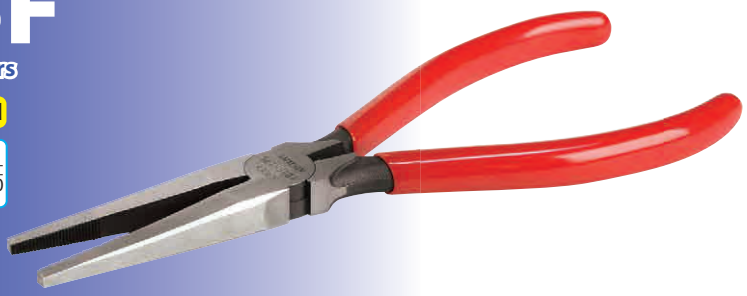
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)	
		A	B	C		Steel wire	Copper wire
150	150	12.0	7.5	57.5	65	1.2	2.0

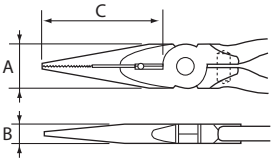
105F

Flat nose pliers

Spring Loaded





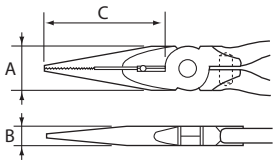


Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
105F-150	150	17.0	10.0	50.0	110
105F-175	175	19.5	11.5	59.0	160

LONG NOSE SIDE CUTTING PLIERS & PLIERS

2500

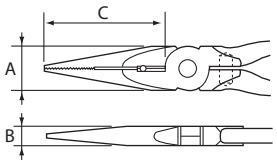
Duck-bill pliers



Model	Size (mm)	Dimensions(mm)			Weight (g)
		A	B	C	
2500	200	15.5	11.5	38.0	180

2500R

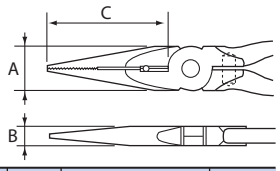
Long reach needle nose pliers



Model	Size (mm)	Dimensions(mm)			Weight (g)
		A	B	C	
2500R	200	15.5	11.5	39.0	180

2500T

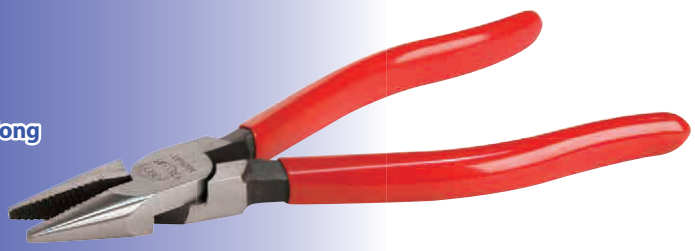
Nail pliers for tire repair
<special hand tool for removing nails on tires.>

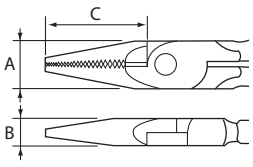


Model	Size (mm)	Dimensions(mm)			Weight (g)
		A	B	C	
2500T	200	15.5	11.0	38.0	175

Y75

Heavy-duty semi-long nose pliers

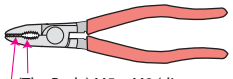




Model	Size (mm)	Dimensions(mm)			Weight (g)
		A	B	C	
Y75-185	185	20.0	12.5	32.0	260
Y75-225	225	24.0	14.5	35.0	370

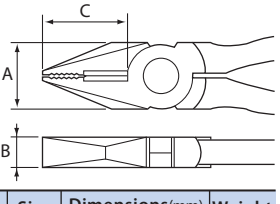
ZA185

Screw pliers



(The Body) M5～M8 (diameter of the head is less than ϕ 14)

(The Tip) M2～M6 (diameter of the head is less than ϕ 10)



Model	Size (mm)	Dimensions(mm)			Weight (g)
		A	B	C	
ZA185	185	21.0	13.0	31.0	250

MERRY

NIPPERS FOR CUTTING PLASTICS 160S SERIES

NIPPERS FOR CUTTING PLASTICS
160S SERIES

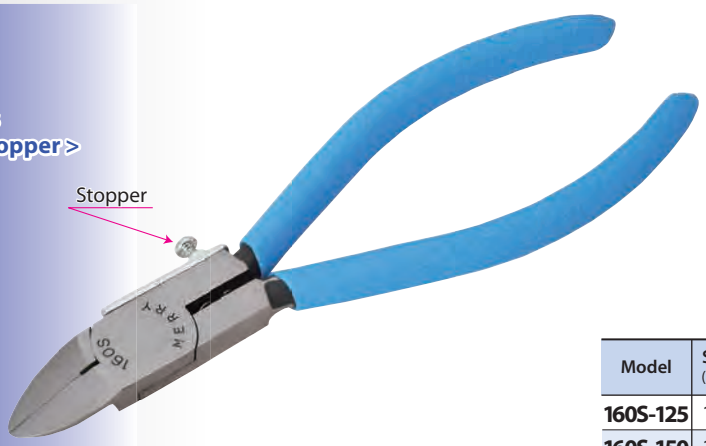
Section of blade: Round type | Flat type | Angle type

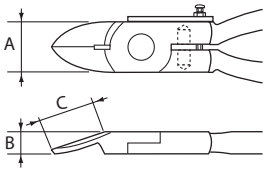
160S

High plastic nippers
<with adjustable stopper>

Spring Loaded

Round type



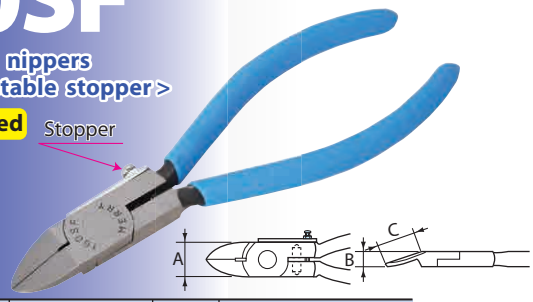


Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
160S-125	125	14.0	7.5	16.0	75	3.0
160S-150	150	16.0	8.0	17.0	110	5.0

160SF

High plastic nippers
<with adjustable stopper>

Spring Loaded



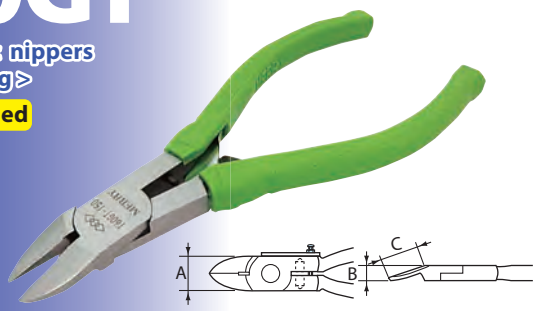
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
160SF-125	125	14.0	7.5	16.0	75	3.0
160SF-150	150	16.0	8.0	17.0	110	5.0

Flat type

160GT

High plastic nippers
<Leaf spring>

Spring Loaded



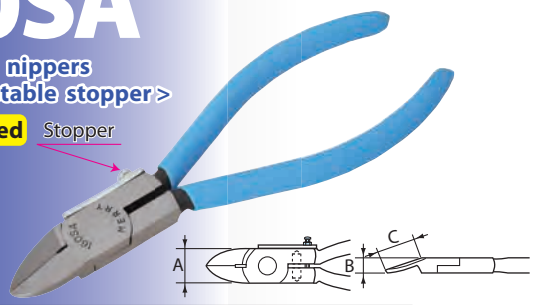
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
160GT	150	16.0	8.0	17.0	117	5.0

Round type

160SA

High plastic nippers
<with adjustable stopper>

Spring Loaded



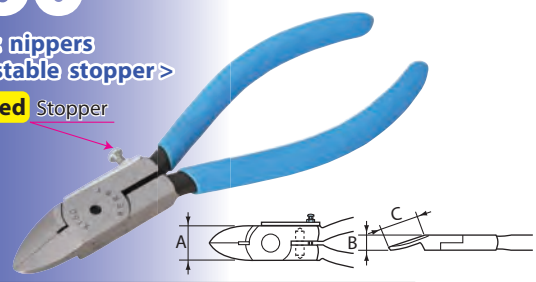
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
160SA-125	125	14.0	7.5	16.0	75	3.0
160SA-150	150	16.0	8.0	17.0	110	5.0

Angle type

X160

High plastic nippers
<with adjustable stopper>

Spring Loaded



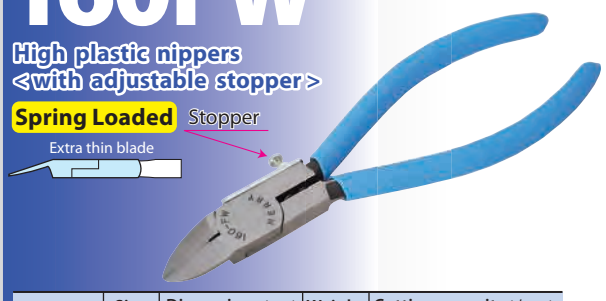
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
X160-125	125	14.0	7.5	16.0	72	3.0
X160-150	150	16.0	8.0	17.0	114	5.0

Round type

160FW

High plastic nippers
<with adjustable stopper>

Spring Loaded



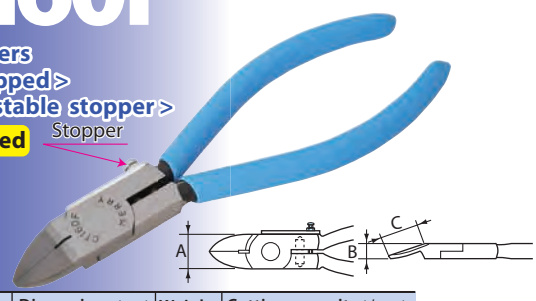
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
160FW-125	125	14.0	7.5	16.0	75	2.0
160FW-150	150	16.0	8.0	17.0	110	4.0

Round type

CT160F

Plastic nippers
<carbide tipped>
<with adjustable stopper>

Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
CT160F-125	125	14.0	7.0	14.0	75	3.0
CT160F-150	150	16.0	8.0	15.0	110	5.0

Flat type

MERRY

NIPPERS FOR CUTTING PLASTICS HOT SELLER

NIPPERS FOR CUTTING PLASTICS
HOT SELLER

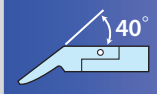
Section of blade: Round type | Flat type | Angle type

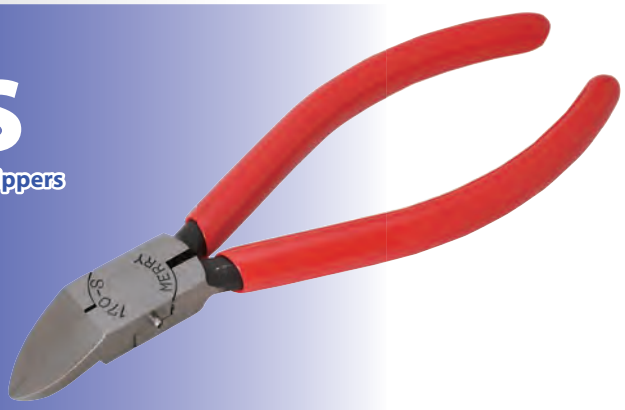
170S

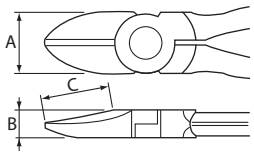
Angled plastic nippers

Spring Loaded

Flat type







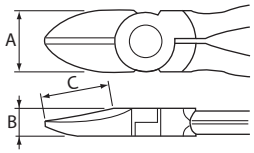
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
170S	150	15.0	10.0	22.0	120	5.0

99

Heavy-duty plastic nippers

Spring Loaded

Round type



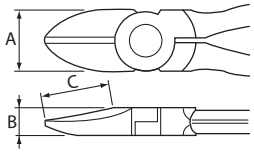
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
99-150	150	22.0	12.5	18.0	185	8.0
99-175	175	24.0	12.5	23.0	235	9.0
99-200	200	26.0	13.5	27.0	310	10.0

99S

Heavy-duty plastic nippers <with adjustable stopper>

Spring Loaded

Round type



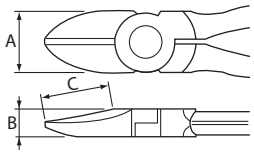
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
99S-150	150	22.0	12.5	18.0	185	8.0
99S-175	175	24.0	12.5	23.0	240	9.0
99S-200	200	26.0	13.5	27.0	315	10.0

99SF

Heavy-duty plastic nippers <with adjustable stopper>

Spring Loaded

Flat type



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
99SF-150	150	22.0	12.5	20.0	185	8.0
99SF-175	175	24.0	12.5	24.0	240	9.0
99SF-200	200	25.5	13.5	28.0	315	10.0

NIPPERS FOR CUTTING PLASTICS
HOT SELLER

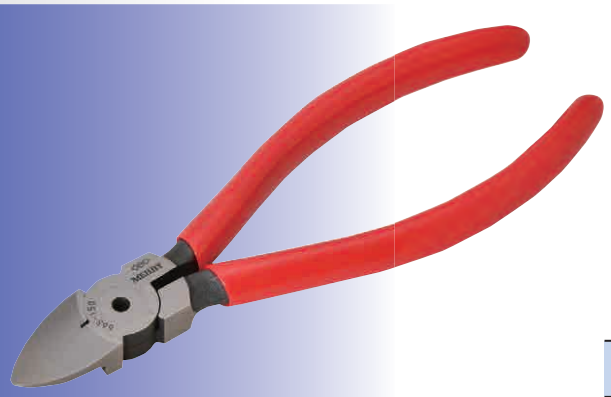
Section of blade — Round type | Flat type | Angle type

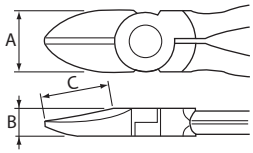
66S

Plastic nippers

Spring Loaded

Round type





Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
66S	150	17.0	10.0	18.0	130	5.0

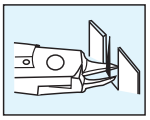
68S

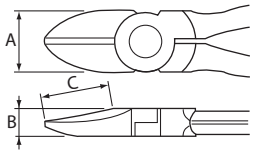
Narrow nose plastic nippers

Spring Loaded

Round type

For cutting in narrow spaces.





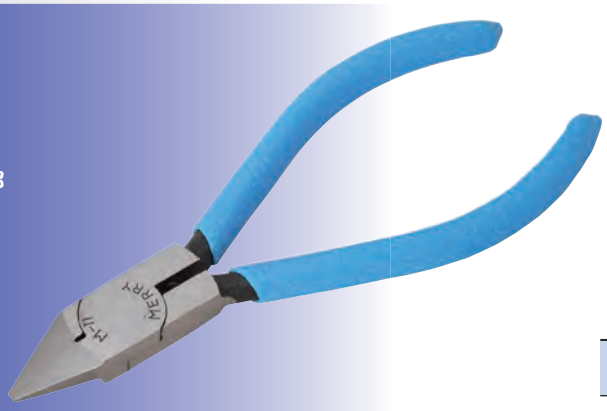
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
68S	125	12.5	8.0	12.0	70	2.0

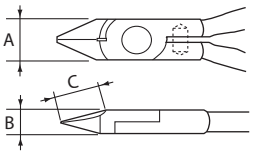
M11

Miniature plastic cutting nippers

Spring Loaded

Round type





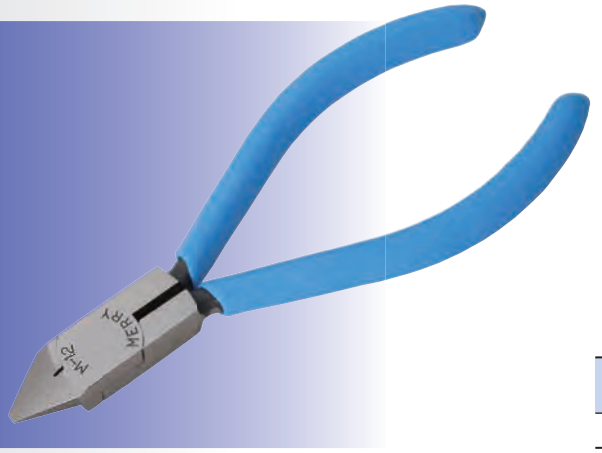
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
M11	125	14.0	8.0	15.0	75	3.0

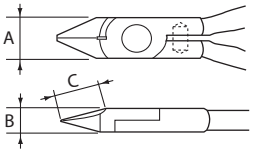
M12

Miniature plastic cutting nippers

Spring Loaded

Round type



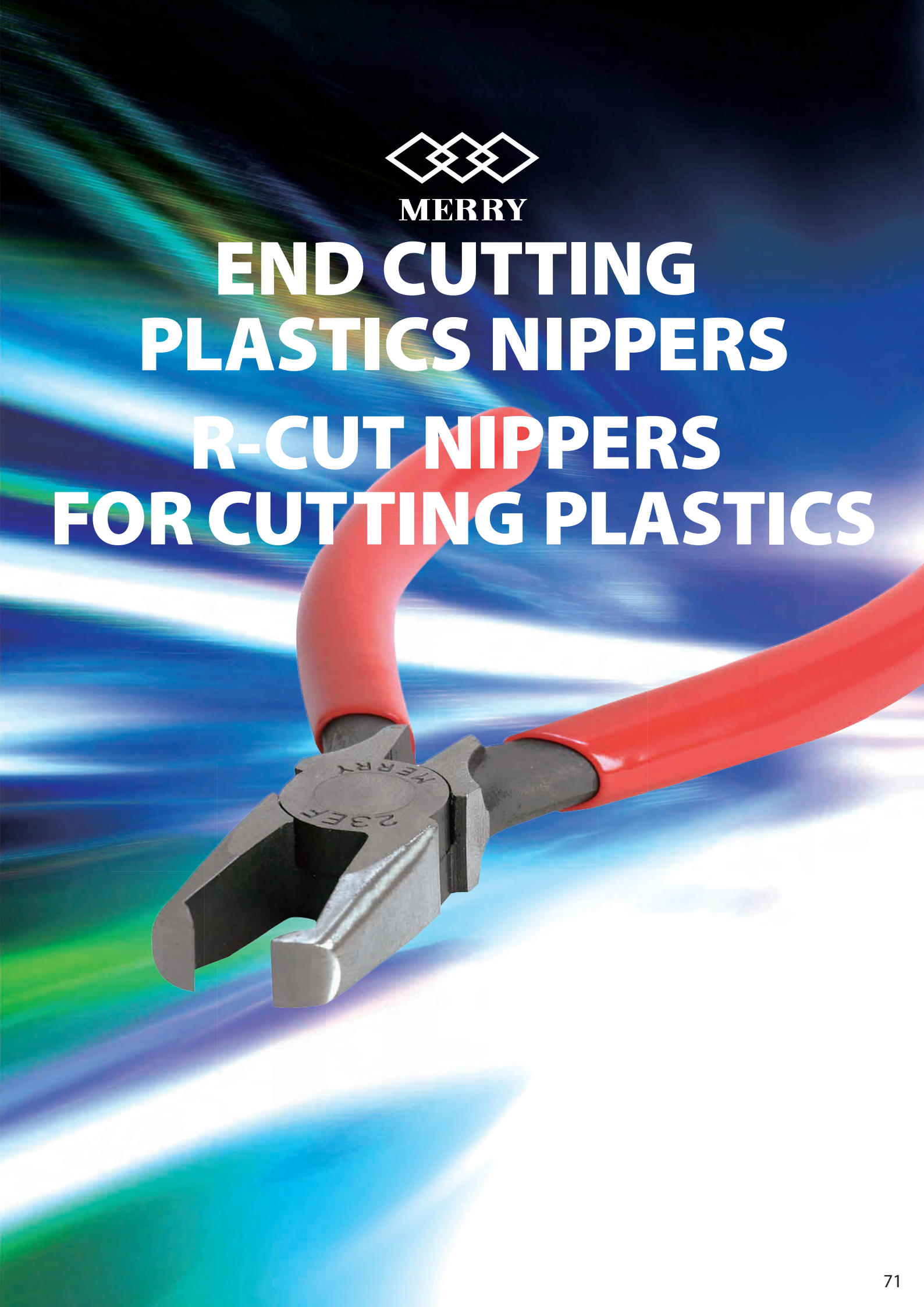


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
M12	125	12.5	8.5	12.0	75	3.0

MERRY

END CUTTING PLASTICS NIPPERS

R-CUT NIPPERS FOR CUTTING PLASTICS

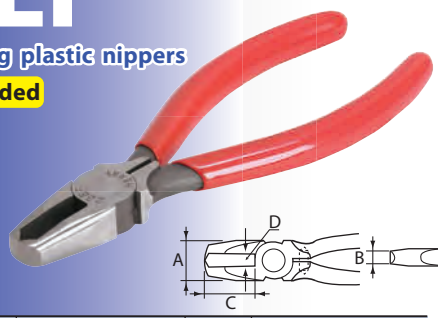


END CUTTING PLASTICS NIPPERS
R-CUT NIPPERS FOR CUTTING PLASTICS

23EF

End cutting plastic nippers

Spring Loaded

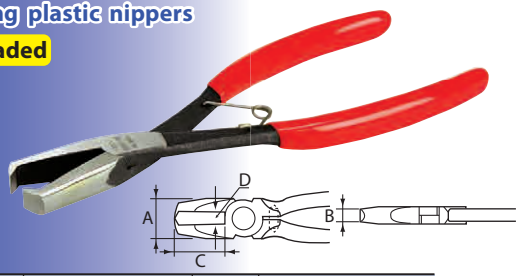


Model	Size (mm)	Dimensions (mm)				Weight (g)	Cutting capacity (ϕmm)
		A	B	C	D		Plastics
23EF	130	17.0	7.0	20.0	6.0	105	3.0

2000EF

End cutting plastic nippers

Spring Loaded

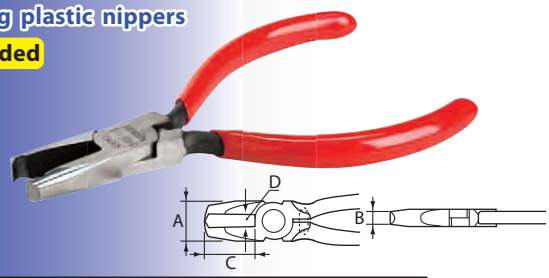


Model	Size (mm)	Dimensions (mm)				Weight (g)	Cutting capacity (ϕmm)
		A	B	C	D		Plastics
2000EF	190	18.0	8.0	35.0	20~90	175	3.0

24EF

End cutting plastic nippers

Spring Loaded

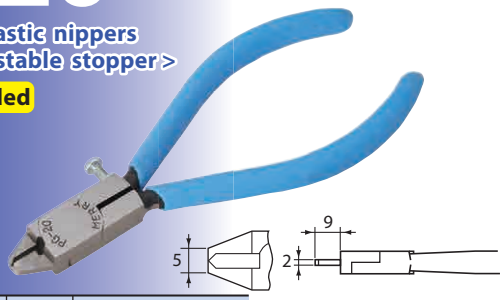


Model	Size (mm)	Dimensions (mm)				Weight (g)	Cutting capacity (ϕmm)
		A	B	C	D		Plastics
24EF	115	13.0	5.5	20.0	3.0	65	3.0

PG20

Pin gate plastic nippers
<with adjustable stopper>

Spring Loaded

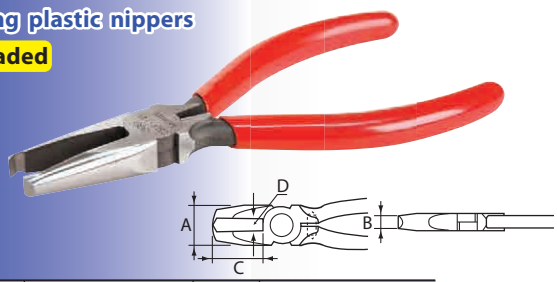


Model	Size (mm)	Weight (g)	Cutting capacity (ϕmm)
			Plastics
PG20	125	70	1.0

25EF

End cutting plastic nippers

Spring Loaded

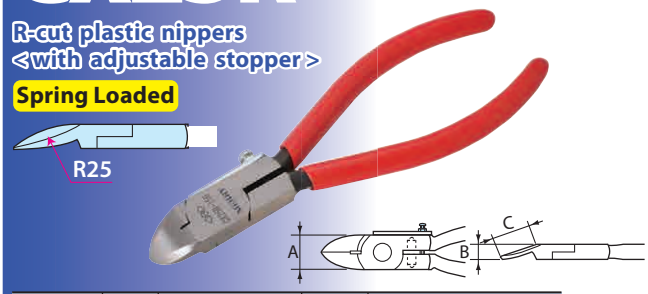


Model	Size (mm)	Dimensions (mm)				Weight (g)	Cutting capacity (ϕmm)
		A	B	C	D		Plastics
25EF	145	17.0	5.5	31.0	4.0	110	3.0

CX25R

R-cut plastic nippers
<with adjustable stopper>

Spring Loaded

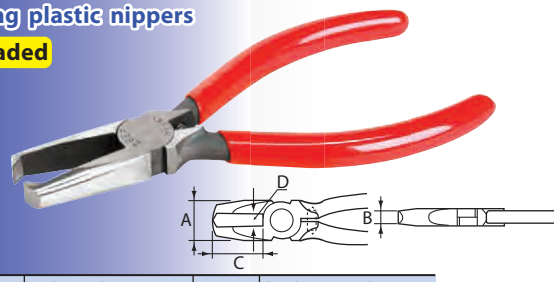


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
CX25R	150	16.0	8.5	13.0	110	5.0

26EF

End cutting plastic nippers

Spring Loaded

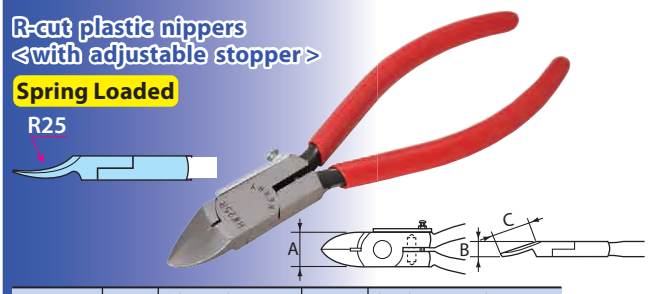


Model	Size (mm)	Dimensions (mm)				Weight (g)	Cutting capacity (ϕmm)
		A	B	C	D		Plastics
26EF	140	17.0	7.0	27.0	7.0	110	3.0

HW25R

R-cut plastic nippers
<with adjustable stopper>

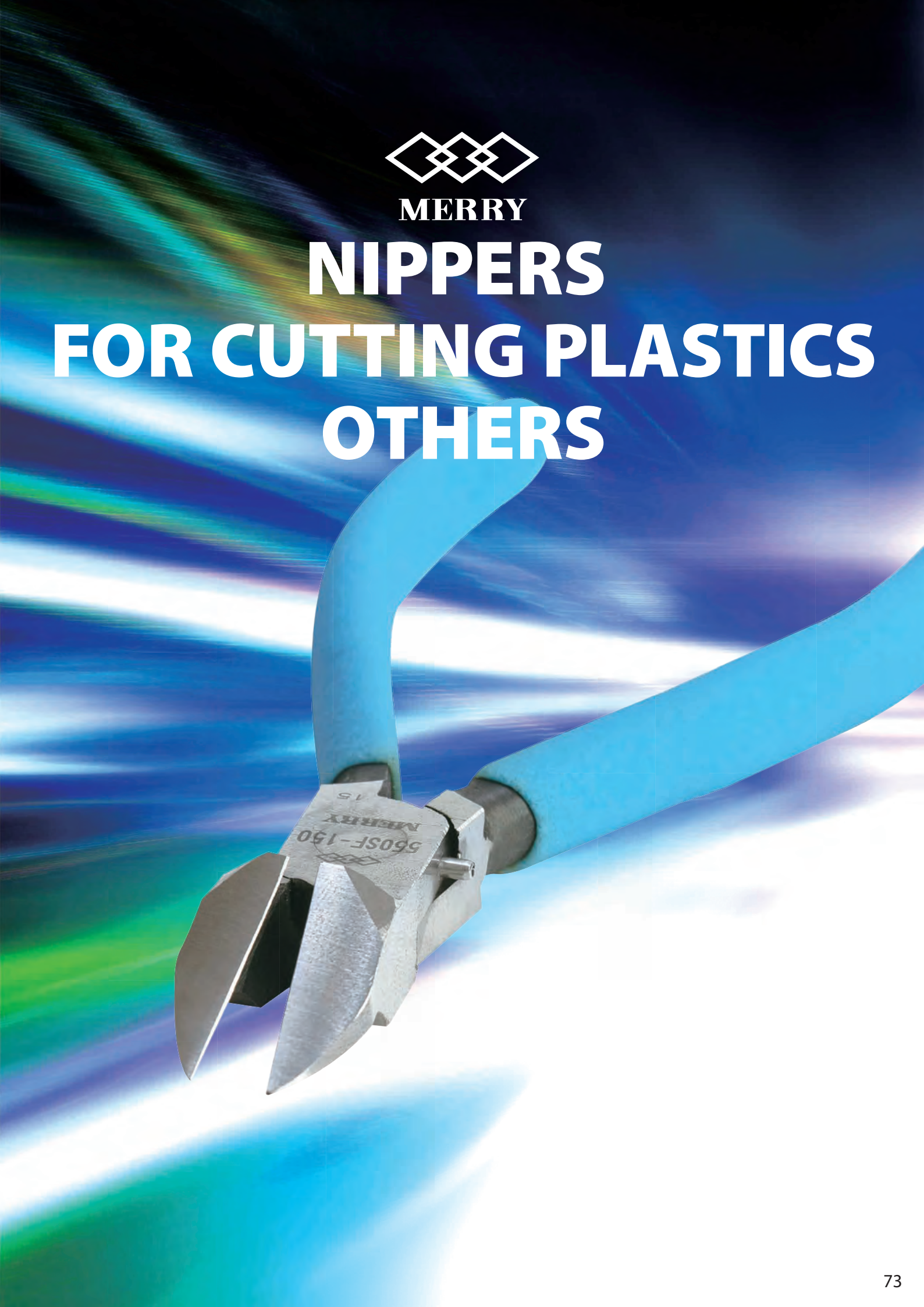
Spring Loaded



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
HW25R	150	16.0	8.5	16.0	110	5.0

MERRY

NIPPERS FOR CUTTING PLASTICS OTHERS



NIPPERS FOR CUTTING PLASTICS
OTHERS

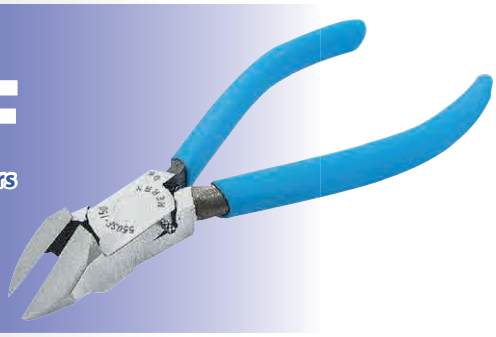
Section of blade: Round type | Flat type | Angle type

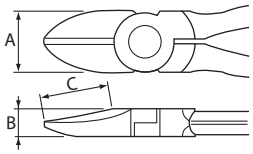
550SF

Box joint plastic nippers

Spring Loaded

Round type





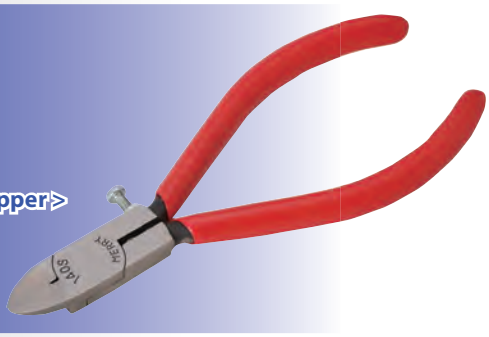
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
550SF-125	125	14.0	14.5	21.5	95	3.0
550SF-150	150	15.0	17.0	24.0	125	5.0

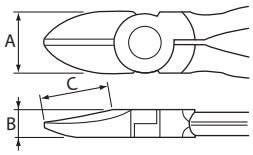
140S

Flat plastic nippers <with adjustable stopper>

Spring Loaded

Flat type





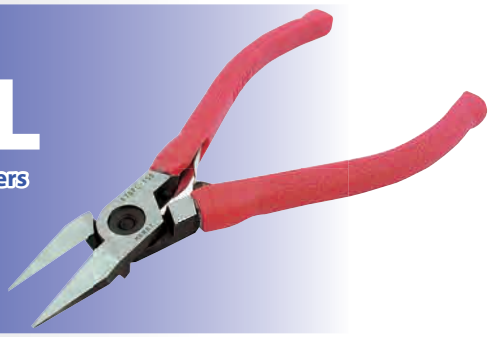
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
140S	130	12.5	7.5	11.0	70	3.0

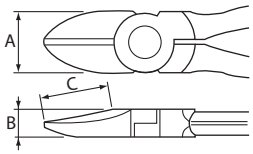
170PL

Smooth plastic nippers

Spring Loaded

Flat type





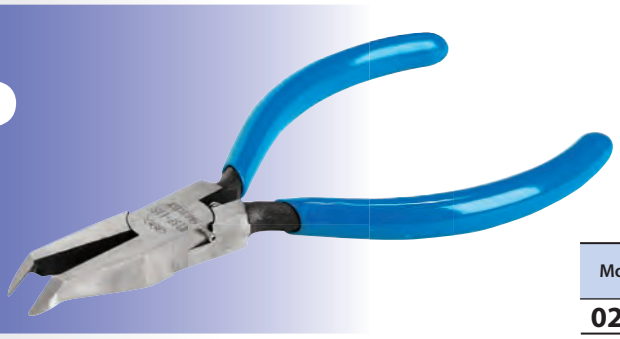
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
170PL	150	16.0	9.0	24.0	112	5.0

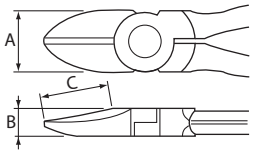
02SP

Tip edge nippers

Spring Loaded

Round type





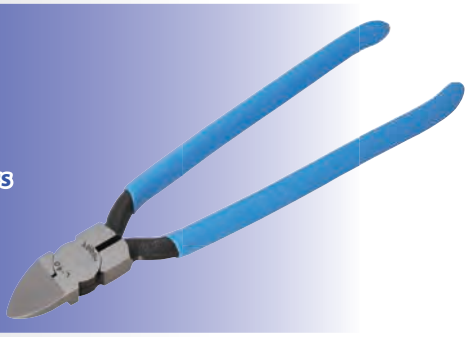
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
02SP	125	12.0	7.5	6.0	75	2.0

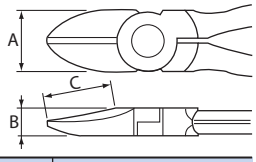
L40

Long handle nippers

Spring Loaded

Flat type

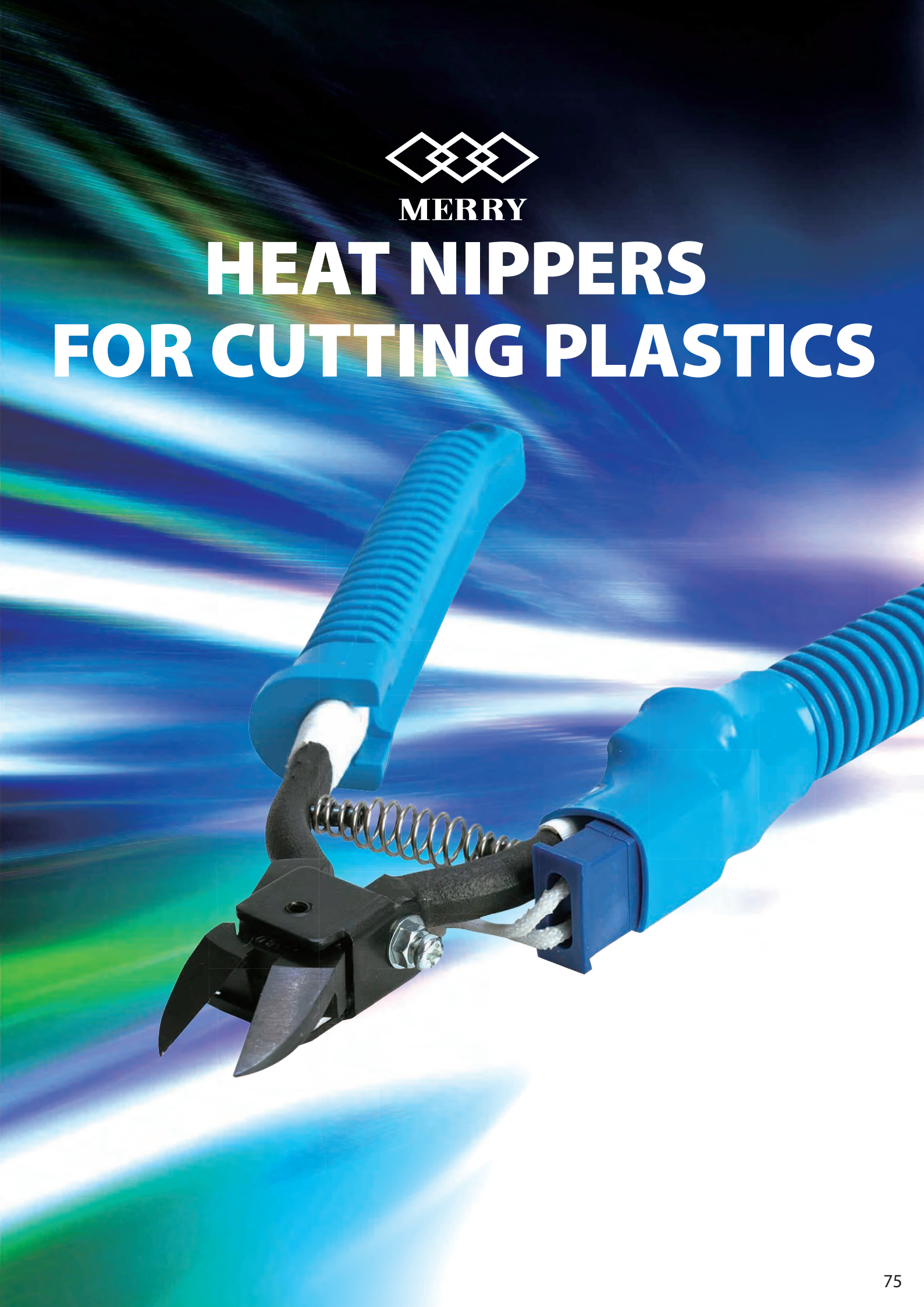




Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (ϕmm)
		A	B	C		Plastics
L40	190	17.0	9.0	19.0	150	5.0

MERRY

HEAT NIPPERS FOR CUTTING PLASTICS



HEAT NIPPERS FOR CUTTING PLASTICS

The built-in heater warms the blade edges for easier,crack-free cutting of fragile materials such as acrylics, styrene plastic, and glass resins. These heat nippers must be used with suitable transformer.

Section of blade: Round type | Flat type | Angle type

HT180DX

<with Sensor>

Spring Loaded

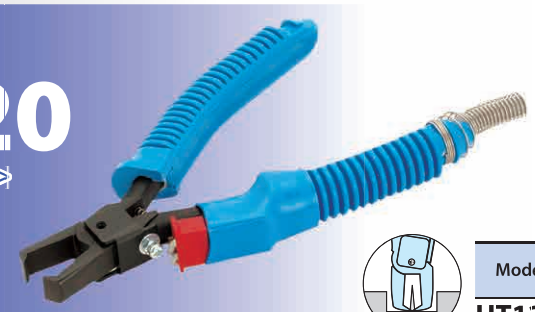
Round type

Model	Size (mm)	Weight (g)	Cutting capacity (ϕmm) Plastics	Blade length (mm)	Transformer	Heater
HT180DX	190	310	4.0	16	TRF100D	W19

HT120

<End cutting type>

Spring Loaded



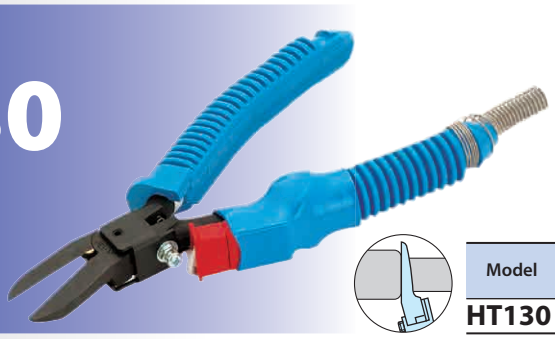
Model	Size (mm)	Weight (g)	Cutting capacity (ϕmm) Plastics	Blade length (mm)	Transformer	Heater
HT120	150	275	4.0	10	TRF25	W19

HT130

<Long blade type>

Spring Loaded

Flat type



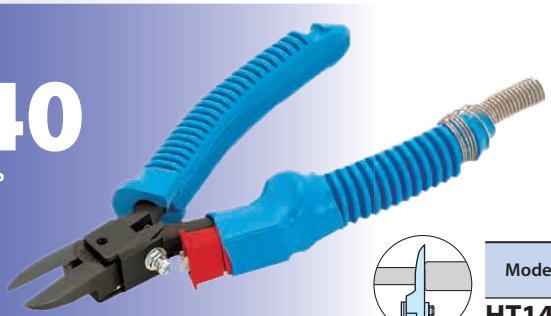
Model	Size (mm)	Weight (g)	Cutting capacity (ϕmm) Plastics	Blade length (mm)	Transformer	Heater
HT130	165	270	4.0	27	TRF25	W19

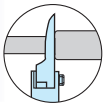
HT140

<Flat blade type>

Spring Loaded

Flat type





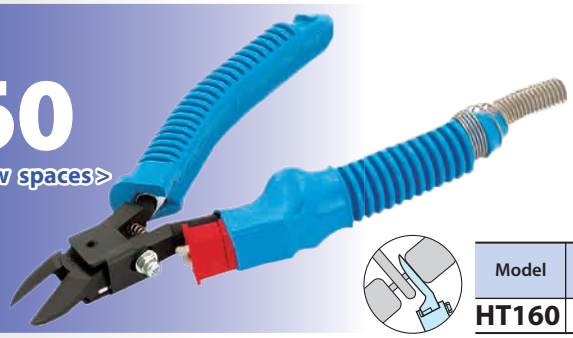
Model	Size (mm)	Weight (g)	Cutting capacity (ϕmm) Plastics	Blade length (mm)	Transformer	Heater
HT140	160	265	4.0	22	TRF25	W19

HT160

<for cutting narrow spaces>

Spring Loaded

Round type

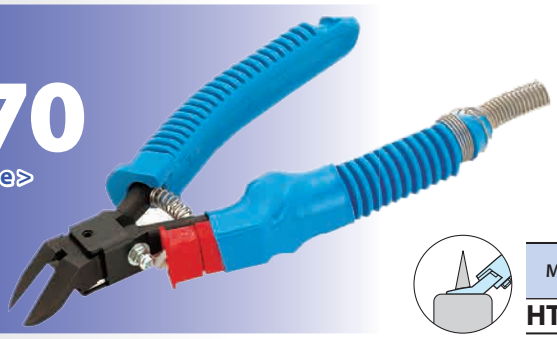


Model	Size (mm)	Weight (g)	Cutting capacity (ϕmm) Plastics	Blade length (mm)	Transformer	Heater
HT160	150	255	4.0	16	TRF25	W19

HEAT NIPPERS FOR CUTTING PLASTICS

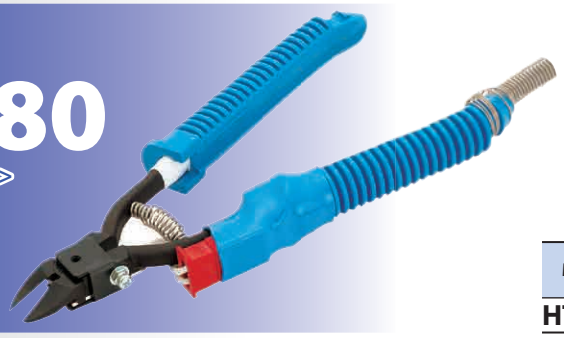
Section of blade — Round type | Flat type | Angle type

HT170
<Angle blade type>
Spring Loaded
Flat type



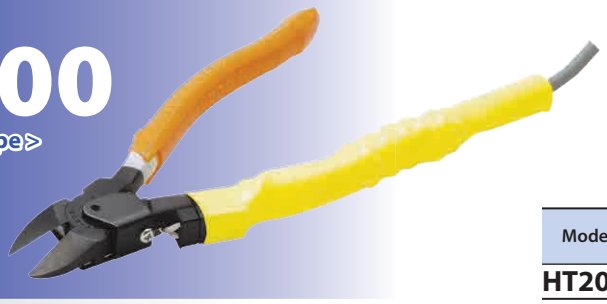
Model	Size (mm)	Weight (g)	Cutting capacity (ϕmm) Plastics	Blade length (mm)	Transformer	Heater
HT170	150	275	4.0	22	TRF25	W19

HT180
<Standard type>
Spring Loaded
Round type



Model	Size (mm)	Weight (g)	Cutting capacity (ϕmm) Plastics	Blade length (mm)	Transformer	Heater
HT180	190	295	4.0	16	TRF25	W19

HT200
<Heavy-duty type>
Spring Loaded
Round type



Model	Size (mm)	Weight (g)	Cutting capacity (ϕmm) Plastics	Blade length (mm)	Transformer	Heater
HT200	190	375	7.0	23	TRF25	W29

TRF25
<100V. 220V. 240V >
TRF100D

TRF25
TRF25-120V will be sold in 2017 years

TRF100D

Model	Input power	Output power	Length of cord (m)
TRF25	AC100V50・60HZ	30VA MAX	1.85
TRF100D	AC100V50・60HZ	30VA MAX	1.83

HDT100
<Step-Down Transformer for TRF25-100V >
HEATER

HEATER
W-19 〈24V-19W〉
W-29 〈24V-29W〉

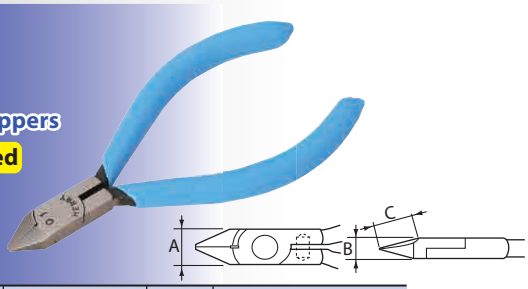
Model	Input power	Output power	Length of cord (m)	Weight (g)
HDT100	AC220V~240V	AC 100V	1.85	950

MERRY
SERIES THING

SERIES THING

Section of blade	Standard	Semi-flush	Full-flush
	for cutting hard wire	for cutting medium wire	for cutting soft wire only or plastic, gate and sprue

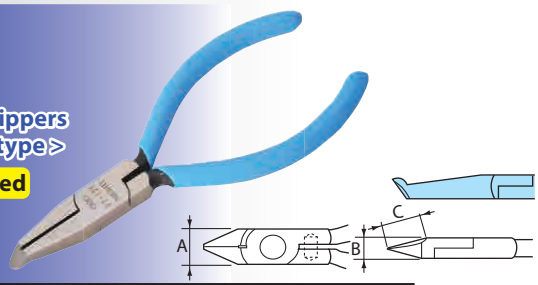
01
Miniature nippers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Steel wire	Copper wire
01	100	9.5	6.0	8.5	35	0.5	0.8

Semi-flush

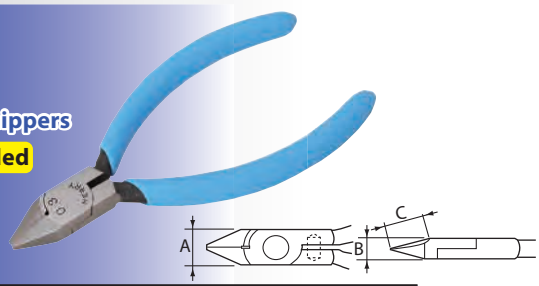
02
Miniature nippers <Tip edge type>
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Steel wire	Copper wire
02	125	11.5	7.5	6.0	55	0.5	0.8

Semi-flush

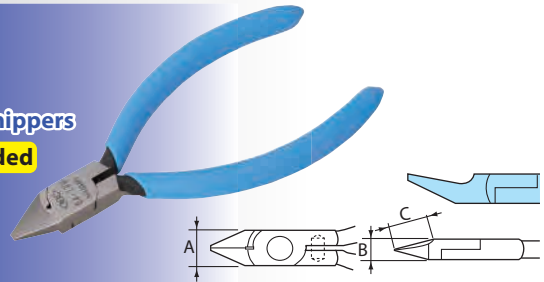
03
Miniature nippers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Steel wire	Copper wire
03	100	10.5	7.0	11.0	45	0.5	0.8

Semi-flush

04
Miniature nippers
Spring Loaded

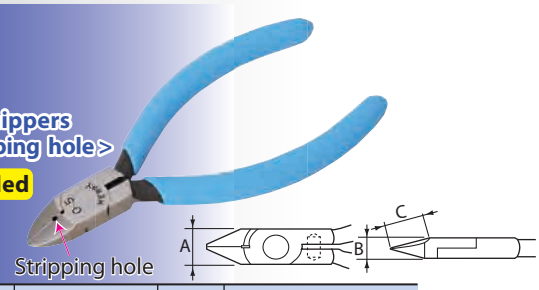


Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Steel wire	Copper wire
04	100	10.5	7.0	10.0	45	0.5	0.8

Semi-flush

05
Miniature nippers <with stripping hole>
Spring Loaded

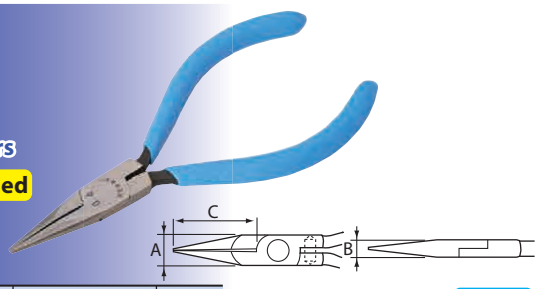
ϕ1.2



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Steel wire	Copper wire
05	100	10.5	7.0	11.0	45	0.5	0.8

Semi-flush

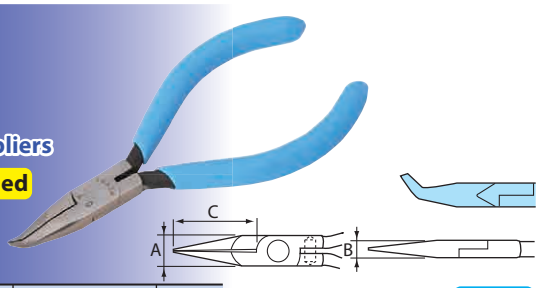
06
Miniature needle pliers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
06	110	9.5	6.0	23.0	40

1.0 / 1.6

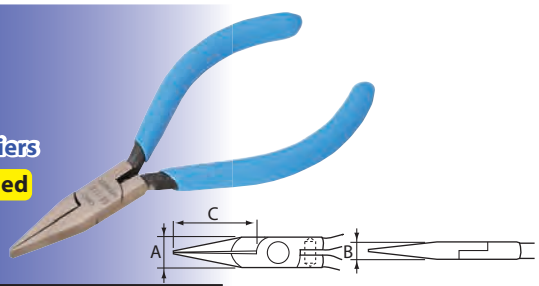
07
Miniature bent nose pliers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
07	110	9.5	5.5	21.0	40

1.0 / 1.6

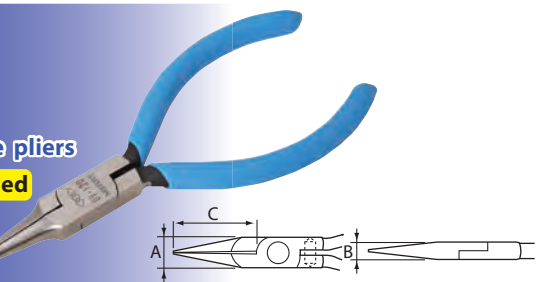
08
Miniature flat nose pliers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
08	110	9.5	6.0	22.0	40

4.0 / 1.2

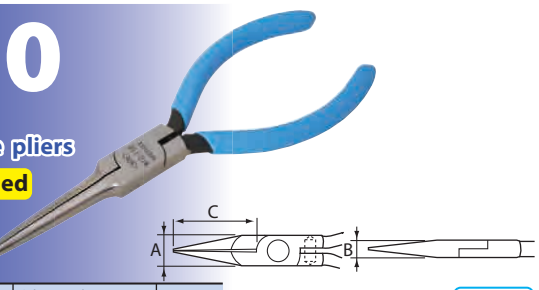
09
Miniature semi needle pliers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
09	120	11.0	7.5	32.0	40

1.5 / 2.0

M10
Miniature long needle pliers
Spring Loaded



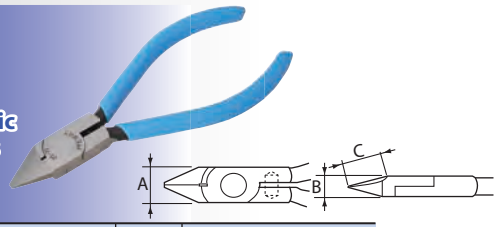
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
M10	150	12.0	7.0	58.0	65

2.0 / 2.0

SERIES THING

Section of blade: Standard | Semi-flush | Full-flush | Round type | Flat type | Angle type

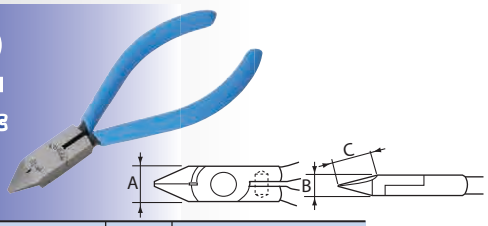
M11
Miniature plastic cutting nippers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
M11	125	14.0	8.0	15.0	75	3.0

Round type

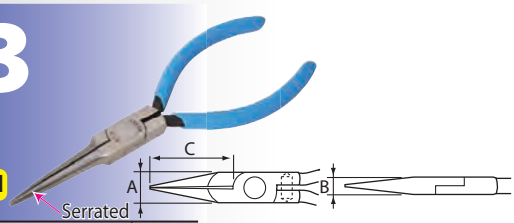
M12
Miniature plastic cutting nippers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
M12	125	12.5	8.5	12.0	75	3.0

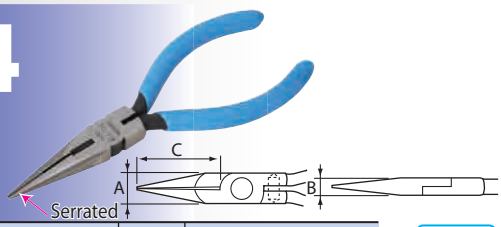
Round type

M13
Miniature needle pliers
Spring Loaded



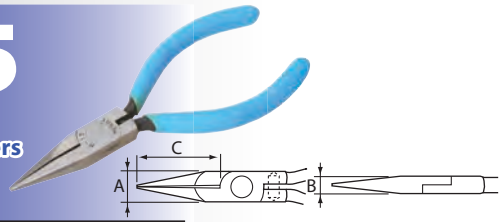
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
M13	140	12.0	7.0	47.0	70

M14
Miniature side cutting pliers
Spring Loaded



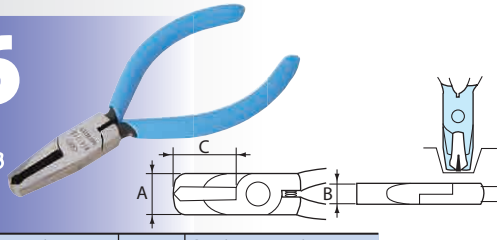
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Steel wire	Copper wire
M14	130	13.5	8.0	37.0	60	1.2	2.0

M15
Miniature chain nose pliers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
M15	125	12.0	7.5	30.0	60

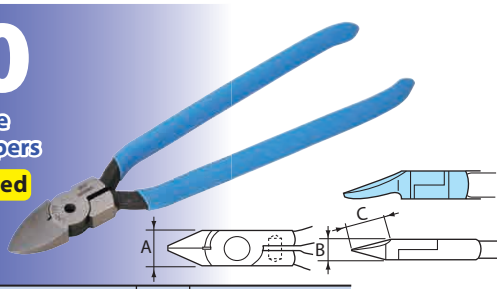
M16
Miniature end cutting nippers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Steel wire	Copper wire
M16	115	12.0	7.0	21.0	60	0.5	0.8

Semi-flush

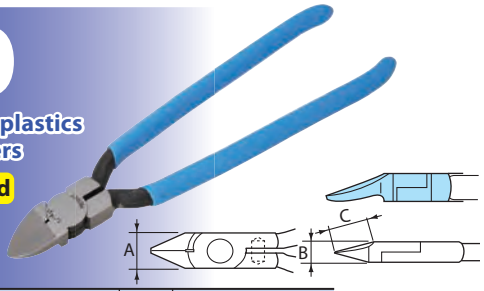
L30
Long handle cutting nippers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Steel wire	Copper wire
L30	190	17.0	9.0	19.0	150	1.2	2.0

Semi-flush

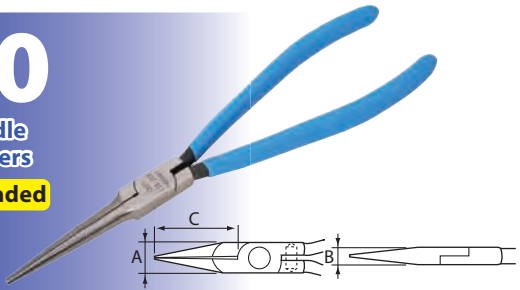
L40
Long handle plastics cutting nippers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)	Cutting capacity (ϕmm) Plastics
L40	190	17.0	9.0	19.0	150	5.0

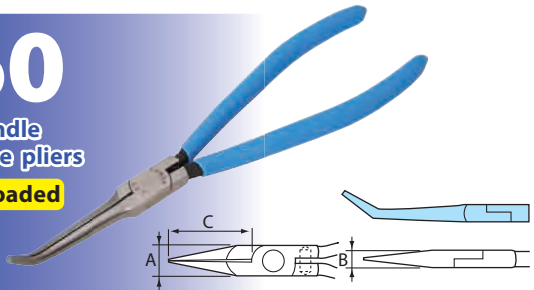
Flat type

L50
Long handle needle pliers
Spring Loaded



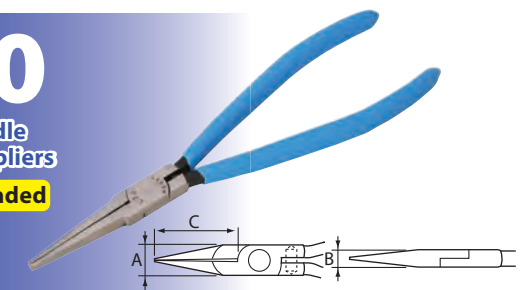
Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
L50	200	12.0	7.5	55.0	110

L60
Long handle bent nose pliers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
L60	200	12.0	7.5	53.0	110

L70
Long handle flat nose pliers
Spring Loaded



Model	Size (mm)	Dimensions (mm) A	B	C	Weight (g)
L70	185	11.5	7.0	42.0	110

MERRY

CLIP PLIERS
SNAP RING PLIERS
DUCT CUTTERS

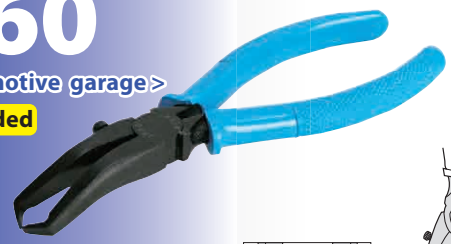
CLIP PLIERS/SNAP RING PLIERS/ DUCT CUTTERS

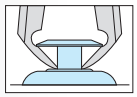
Section of blade: Round type | Flat type | Angle type

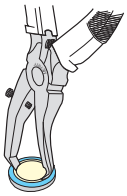
JR60

<for automotive garage>

Spring Loaded



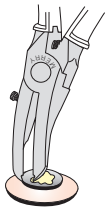




Model	Size (mm)	Weight (g)
JR60	155	160

JR80

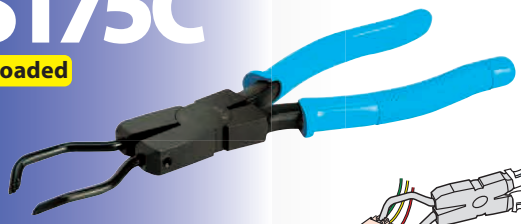
Spring Loaded

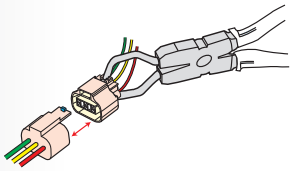


Model	Size (mm)	Weight (g)
JR80	155	114

HS175C

Spring Loaded





Model	Size (mm)	Weight (g)
HS175C	190	220

HS175A

<Adjustable for setting gap>
<with straight pin (3set) for hole>

Spring Loaded

Model	Size (mm)	Weight (g)
HS175A	200	190

JS175A

<Adjustable for setting gap>
<with straight pin (3set) for shaft>

Spring Loaded

Model	Size (mm)	Weight (g)
JS175A	200	190

JC175B

<Adjustable for setting gap>
<with straight pin (5set) for shaft>

Spring Loaded

Model	Size (mm)	Weight (g)
JC175B	190	187

HC175B

<Adjustable for setting gap>
<with straight pin (5set) for shaft>

Spring Loaded

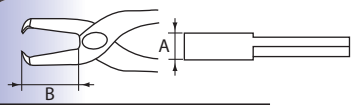
Model	Size (mm)	Weight (g)
HC175B	190	190

DK55 DK65

<End cutting type>

Spring Loaded

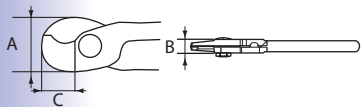
Round type



Model	Size (mm)	Dimensions (mm) A	Dimensions (mm) B	Weight (g)	Cutting capacity (ϕmm) Plastics
DK55	250	21.5	55.0	510	8.0
DK65	250	21.5	65.0	490	8.0

CK20

<Cable cutters>



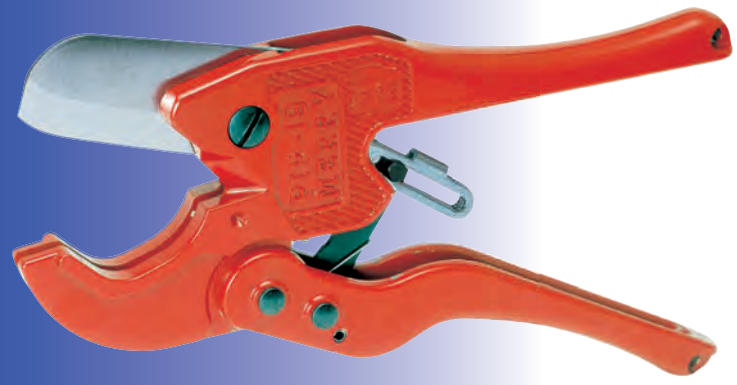
Model	Size (mm)	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Weight (g)	Cutting capacity (ϕmm²) IV wire
CK20	215	40.0	14.0	24.0	313	60

MERRY

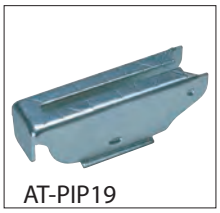
PLASTIC PIPE CUTTERS

PLASTIC PIPE CUTTERS

PIP19



Possible to cut plastic surface raceway at any desired angle with an attachment installed.



Model	Overall length (mm)	Weight (g)	Cutting capacity (ϕmm)	Blade
PIP19	217	360	42	P18Z

PIP42

Blade can be locked with Stopper when off-work for security. Blade-opening by pushing Release Lever down.

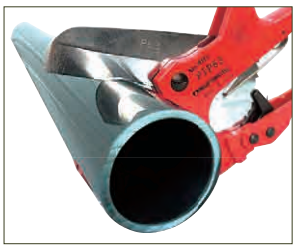
Possible to cut plastic surface raceway at any desired angle with an attachment installed.

Blade:P42

Model	Overall length (mm)	Weight (g)	Cutting capacity (ϕmm)	Blade
PIP42	220	340	42	P42

PIP63

Light weight design (480g), Easy to grasp grip.



Model	Overall length (mm)	Weight (g)	Cutting capacity (ϕmm)	Blade
PIP63	280	496	PVC pipe 42 / VP pipe 30 VW pipe 30 / VE pipe 36	P63

PLASTIC PIPE CUTTERS

PIP7Z

Model	Overall length (mm)	Weight (g)	Cutting capacity (ϕmm)	Blade
PIP7Z	185	270	26	P7

FL38N

Light in weight and compact in design for comfortable one-hand operation.

Model	Overall length (mm)	Weight (g)	Cutting capacity (ϕmm)	Blade
FL38N	220	150	Reinforced flexible conduits up to ϕ38mm o.d.	FP38

FL50

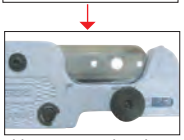
Light in weight and compact in design for comfortable one-hand operation.

Model	Overall length (mm)	Weight (g)	Cutting capacity (ϕmm)	Blade
FL50	250	425	Reinforced flexible conduits up to ϕ55mm o.d.	FP50

MC80

Suitable for cutting plumbing materials such as bridge polyethylene tube and CD tube especially for water supply or hot water supply construction.

<for water piping service>



Holding space can be adjusted through adjusting Screw up to Max, width of 18mm.

The symmetrical type blade C80 can be used on both sides alternatively when one side is worn.

Silicon hose(up to ϕ34)

CD tube(up to ϕ34)

Bridge polyethylene tube (up to ϕ34)

Protector

Model	Overall length (mm)	Weight (g)	Blade
MC80	233	225	C80

MERRY

DUCT AND MOULD CUTTERS
MERRY CUTTERS

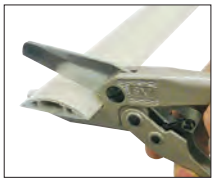
DUCT AND MOULD CUTTERS
MERRY CUTTERS

SX5
≪ Slim type ≫

Designed for one-hand operation. Suitable for soft materials.

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX5	195	140	53	X5	PB-SX5

SX7
≪ Ratchet type ≫



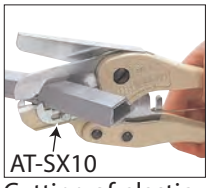
Cutting of cable protector

3-step ratchet mechanism

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX7	230	215	65	X7	PB-SX7

SX10
≪ Heavy-duty type ≫

Cutting nylon hose, rubber hose, soft cable wire, plastic channel, leather belt, etc

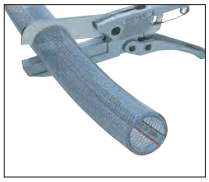


Cutting of plastic protector

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX10	210	340	65	X10	PB-SX10

SX20
≪ Long blade type ≫

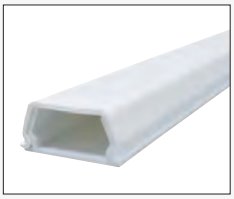
An attachment is available,for right and 45° angle cutting. (Standard accessory)



Cutting of nylon hoses

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX20	285	535	110	X20	PB-SX20

Examples of subjects for cutting



■Protector

■ Nylon hose

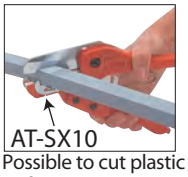
■ Electric wire (Twisted wire)

■ Tree branch

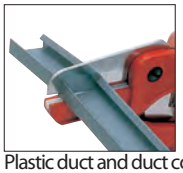
■ Plastic cable protector

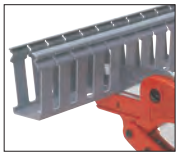
DUCT AND MOULD CUTTERS
MERRY CUTTERS

SX15
< Standard type >



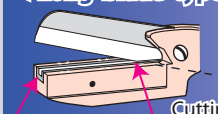
Possible to cut plastic surface protector at any desired angle with an optional attachment installed.

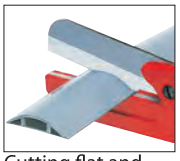

Plastic duct and duct cover

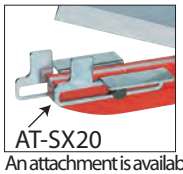


Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX15	210	335	65	X15	PB-SX15

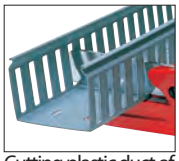
SX25
< Long blade type >




Cutting flat and wide cable protector.



An attachment is available, for right and 45° angle cutting.(standard accessory)

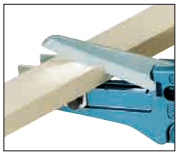

Cutting plastic duct of up to 80mm in width.

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX25	285	535	110	X25	PB-SX25

DX80
< Ratchet type >

3-step ratcheting

Cutting cable protector


An attachment is available, for right and 45° angle cutting.(standard accessory)

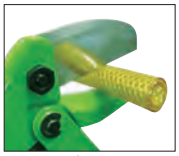
Cutting plastic duct of up to 80mm in width

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade
DX80	255	365	92	X80

GCX5
No obstacle on the blade surface secures close contact with the subject to make clean cutting finish.

- Suitable for cutting wide film gate.
- Indispensable in resin molding works.
- Cutting for various kinds of soft materials.
- A Roller is installed to boost action of blade to assure sharp and fine cutting with less manual power.

Cutting film gate


Cutting hose

Model	Overall length (mm)	Weight (g)	Blade	Plastic plate
GCX5	170	185	GC5	PB-GCX5

LDC110
< Long duct cutter >

Model	Overall length (mm)	Weight (g)	Blade
LDC110	322	700	LD110

MERRY

STRIPPERS

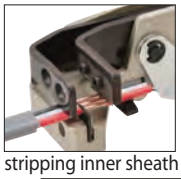
STRIPPERS

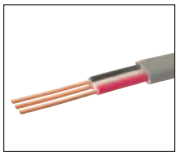
VST80
< for VVF wire >

Blade adjusting dial is installed for adjustment of blade opening.

Applicable to 4 different sizes of VVF wires
(φ1.6×2 , φ1.6×3 , φ2.0×2 , φ2.0×3)

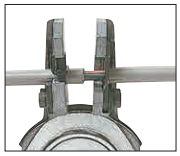
stripping outer sheath

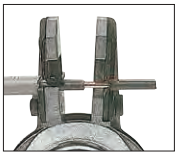

stripping inner sheath

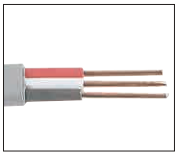

finish

Model	Overall length (mm)	Weight (g)	Blade
VST80	190	380	VB80

VST50
< for VVF wire >







Model	Overall length (mm)	Weight (g)	Cutting capacity (φmm) (VVF)(Outer coat)	Blade
VST50	185	451	1.6 2core wire/2.0 2core wire 1.6 3core wire/2.0 3core wire	VS51

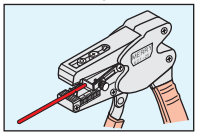
VST25
< Mini wire stripper >

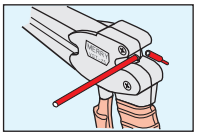
PAT. & PAT . P . in :
Japan, USA, Canada, Australia, UK, France, Germany, Italy & Korea.

Handy stripper for non-step operation.

Applicable to single and multi-core wires of 0.05mm ～ 3.5mm (φ0.25～2.6mm).
(Stripping length can be adjusted.)

Slim and long head permits operation in narrow spaces.

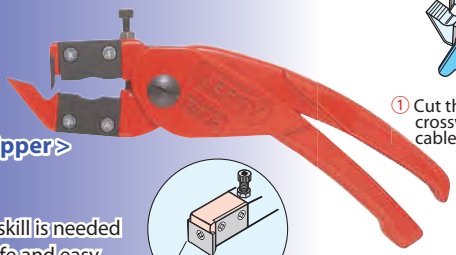

The V-shaped stripping blade allows easy clutching of the wire.


Wire cutting function is addition ally provided.

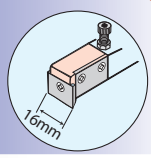
Model	Overall length (mm)	Weight (g)	Stripping capacity (mm²)	Blade
VST25	120	260	0.05～3.5 (AWG30～10)	VS20

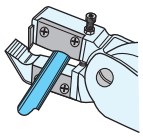
Cutting capacity (φmm)	Blade
2.6	VC25

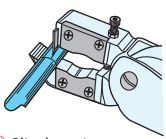
LW25
< Heavy-duty cable stripper >
< Light in weight >

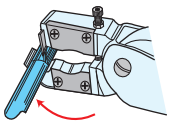


No experienced professional skill is needed to strip large cables. Quick, safe and easy stripping achievement is assured.




① Cut the wire protector crosswise by turning the cable several times.


② Slit the wire protector length wise.


③ Strip out the cut skin of the protector with the blade by turning the cable. Use hand pliers when necessary.

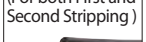
Model	Overall length (mm)	Weight (g)	Stripping capacity	Blade Cross wise	Blade Length wise
LW25	180	210	Maximum φ 25mm of cable protector Minimum φ 8mm of core cable	LW25-1	LW25-2

SST50
< Solar cable stripper >

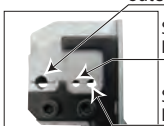
It can be stripping easily.

First Stripping

Second Stripping (For both First and Second Stripping)



Stripping Outer sheath (2.0sq and 3.5sq shared outer stripping)



Model	Overall length (mm)	Weight (g)	Cutting capacity (φmm) (H-CV)(Outer coat)	Blade
SST50	185	448	2.0sq/3.5sq	SS51

MERRY

OTHERS

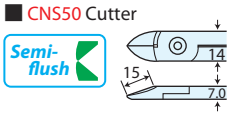
OTHERS

CASSETTE PLIERS

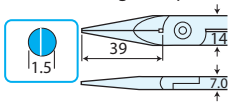
Blades can be easily replaced.
Blade opening is adjustable.

Setting precise & small parts
Cutting fine wires
Assembling plastic hobby models
Repairing appliances

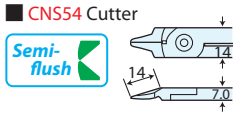
■ CNS50 Cutter



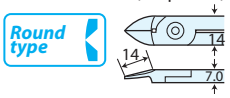
■ CNR52 Long nose pliers



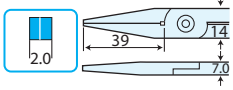
■ CNS54 Cutter



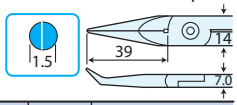
■ CNF51 Cutter(for plastic)



■ CNR53 Flat nose pliers



■ CNR55 Curved nose pliers



Model	Weight (g)	Blade	Cutting capacity (ϕmm)
CN5-50	105	CNS50	copper 1.0 steel 0.5
CN5-51	105	CNF51	plastic(only) 2.0
CN5-52	110	CNR52	—

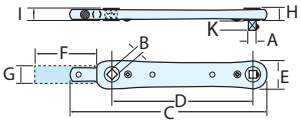
Model	Weight (g)	Blade	Cutting capacity (ϕmm)
CN5-53	110	CNR53	—
CN5-54	105	CNS54	copper 1.0 steel 0.5
CN5-55	110	CNR55	—

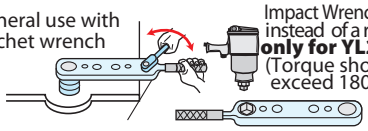
BARRIER WRENCHES

The unique "MERRY" Barrier Wrenches have solved the problem of difficult bolt / nut fastening and loosening jobs in narrow and hard-to-reach places.

AN EXAMPLE OF APPLICATION

Barrier Wrenches offer safe and smooth service for replacement or adjustment of the cultivator blades in narrow space.





Model	Square size A×B	Weight (g)	Max. allowable torque(N-m)
YL1A	凸 9.5□× 凹 9.5□	820	94
YL2	凸 12.7□× 凹 12.7□	1,330	196

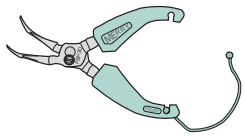
Model	Dimensions(mm)							
	C	D	E	F	G	H	I	K
YL1A	300	217	39	150	ϕ20	18	22	10
YL2	327	228	49	210	ϕ26	20	25	14

FBP30

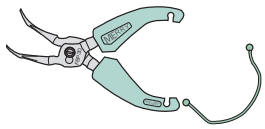
Fish boning pliers

HOW TO DISASSEMBLE THE CROSS-STICKS

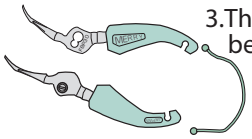
1.Disconnect either end of the plastic spring.



2.Shift the joint-Screw from small hole to large one.



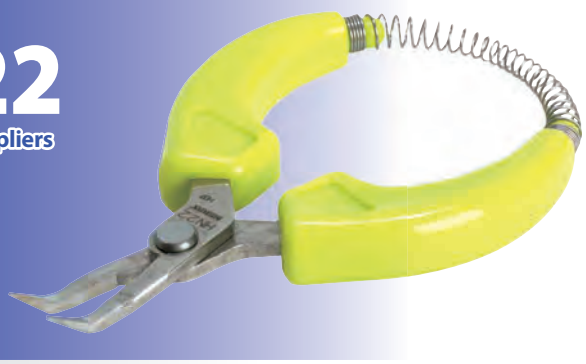
3.The cross-sticks can be disassembled.



Model	Size (mm)	Weight (g)
FBP30	120	38

HN22

Precision palm pliers



〈Stainless steel〉 Needle-nose pliers with a curved palm grip

Perfect for removing bones in fish processing factories.

Model	Size (mm)	Weight (g)
HN22	105	41

SPRINGS FOR MERRY NIPPERS AND CUTTERS

Model	Order Quantity	Adaptable Type
MBN-01	10P	55S-120 , 160S-125 , 02 , 09 , M11 , M12 , M14 , etc
MBN-02	10P	55S-150 , 160S-150 , 66S , CT55-150 , etc
MBN-03	10P	99-175/200 , 206S-175/200 , etc
MBN-04	10P	01 , 03 , 04 , 05 , 06 , 07 , 08
MBN-05	10P	L30 , L40 , HT160 , 170S , etc
MBN-06	10P	105-150 , 23EF , 25EF , 26EF

Model	Order Quantity	Adaptable Type
MBN-07	10P	99-150 , 206S-150 , HT120 , HT130 , HT140
MBN-08	10P	HT180
MBN-09	10P	HT200
MBN-10	5P	PIP19
MBN-11	5P	SX5
MBN-12	5P	SX10 , SX15

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