



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

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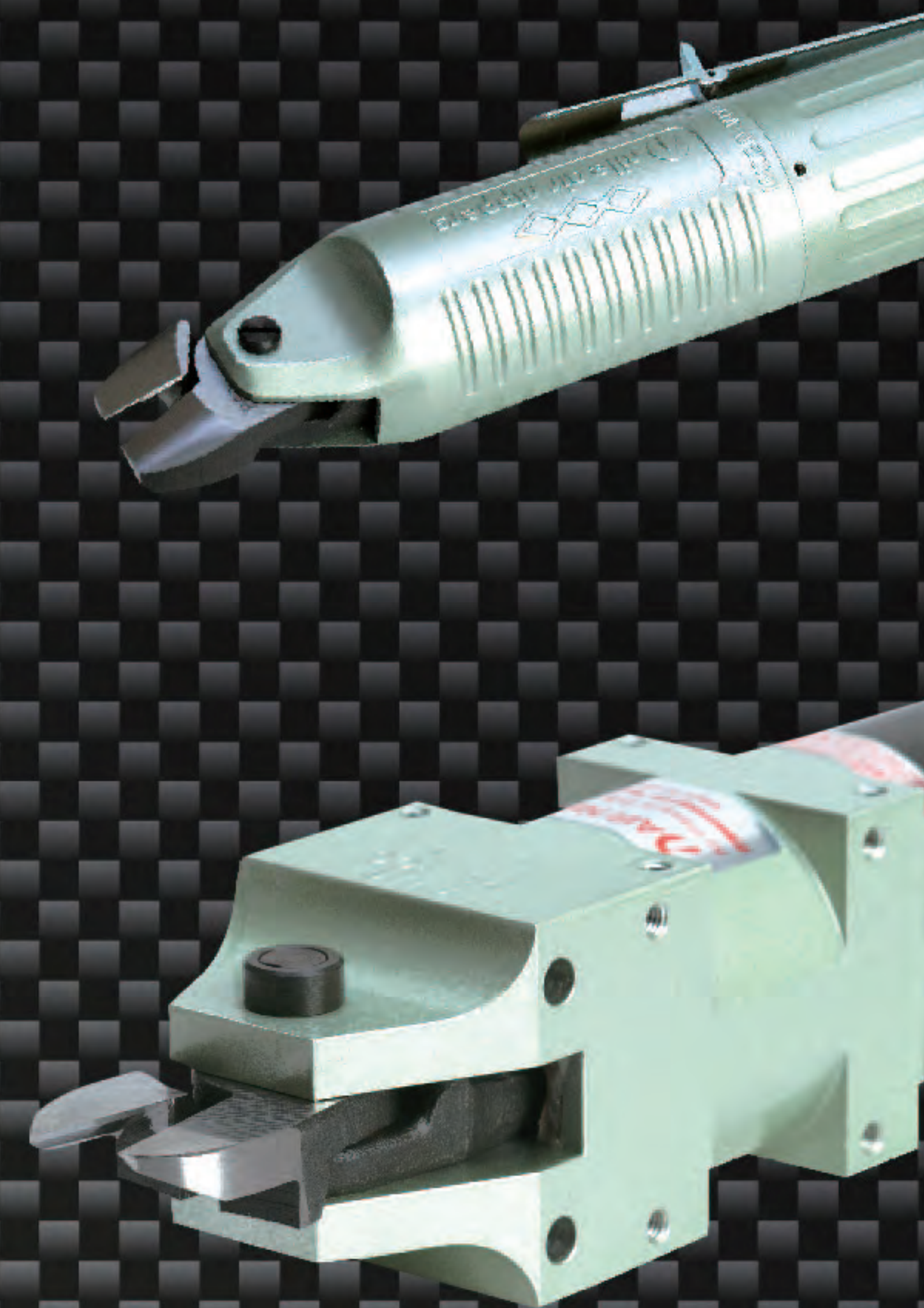
AGENT

Specifications are subject to change without notice.

MERRY & NILE CATALOG



Make advances!
"NILE" BRAND AIR TOOLS!



MUROMOTO TEKKO CO., LTD.



Professional tools!
"MERRY" BRAND HAND TOOLS!



<https://muromototekko.com/>



Technical capabilities and achievements

Our "Merry" brand has a history of about 100 years and "NILE" brand has a history of about 60 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 aimed to further technological upgrading high-precision, high-quality, of workers in the future.



nile air tools

**Make advances!
"NILE" BRAND
AIR TOOLS!**

MODEL NUMBER INDEX p.113

MERRY

**Professional tools!
"MERRY" BRAND
HAND TOOLS!**

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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.



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.

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.

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.



MUROMO I O
"NILE" BRAND
AIR TOOLS



BLADES

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



nile air tools

BLADES

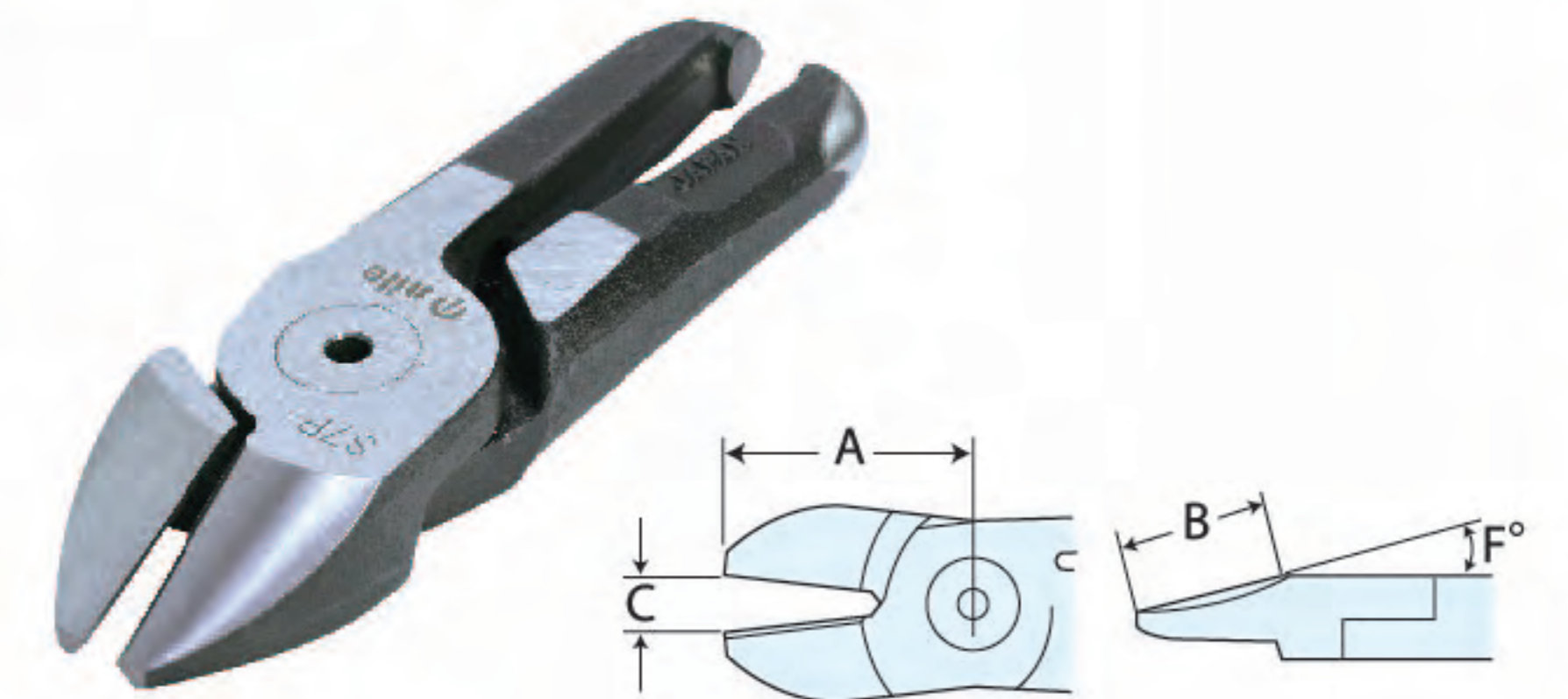


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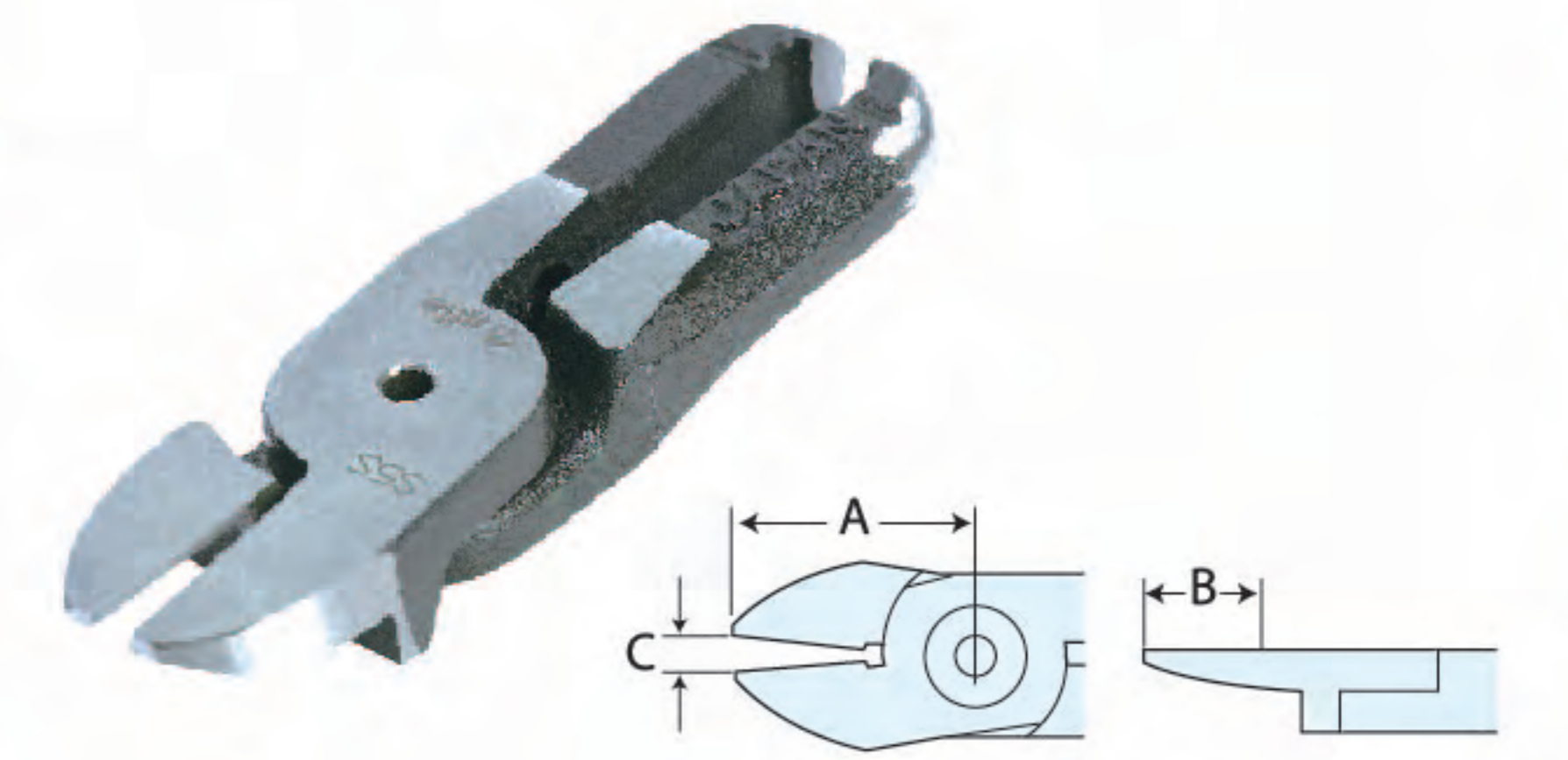
S Type Standard Blades

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



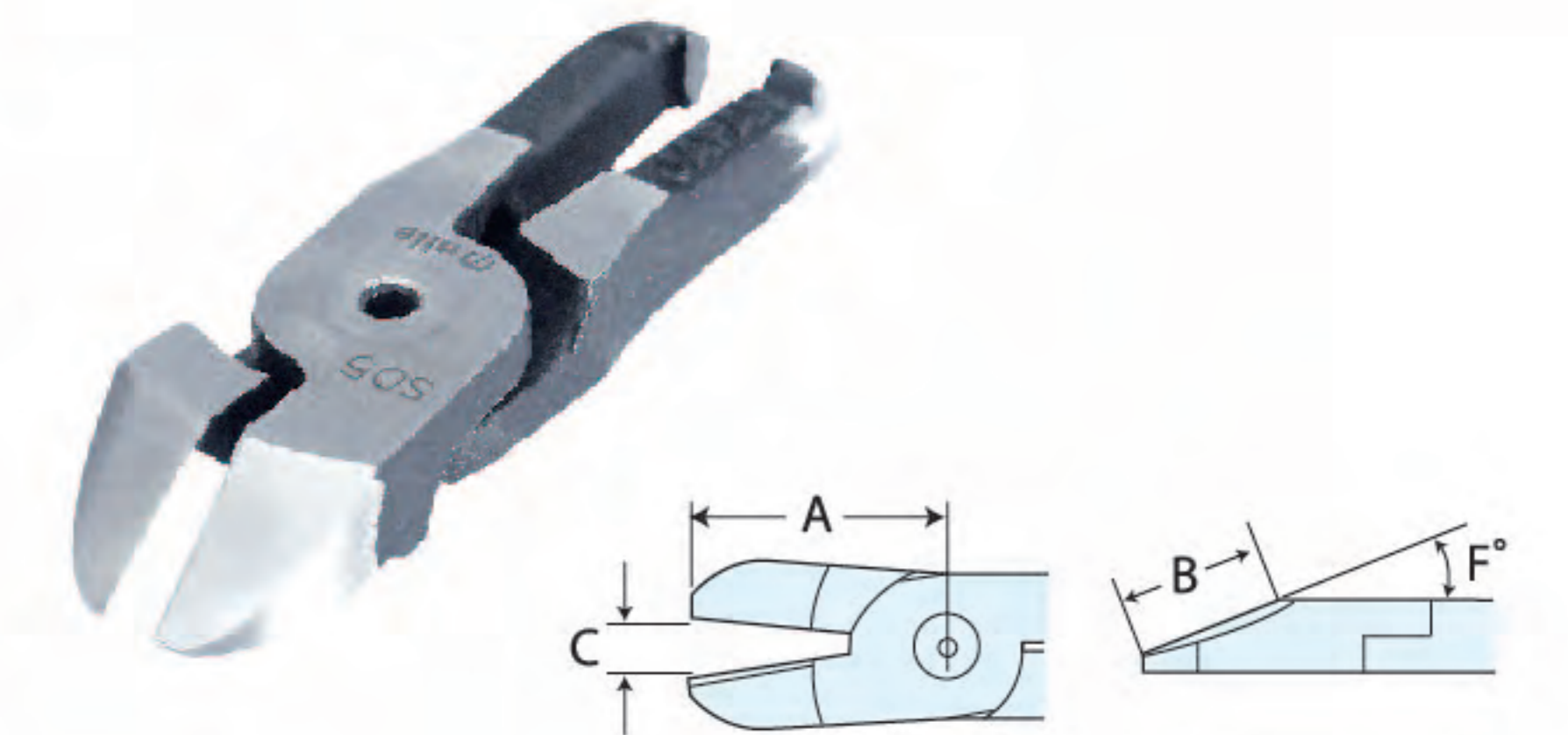
S-S Type Flat surface

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



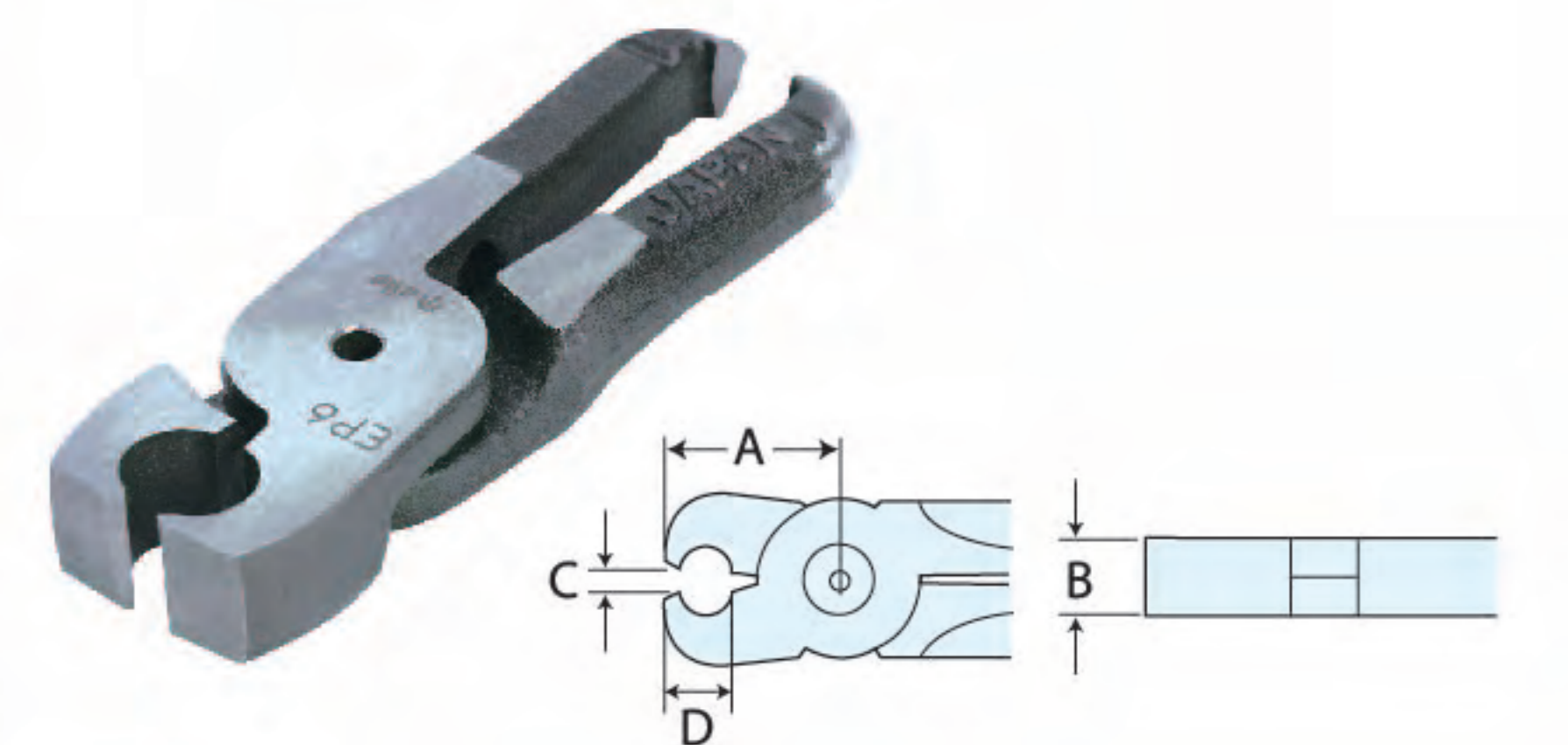
SD Type Level cutting for Copper and Steel

Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
SD20	24.0	9.0	2.5	40	Single blade
SD2	24.0	9.0	3.0	40	Single blade
SD4	27.0	9.0	5.0	40	Single blade
SD5A	35.0	14.0	5.5	40	Single blade
SD5J	34.0	14.0	5.0	40	Single blade
SD5	35.0	14.0	8.0	40	Single blade
SD250	43.0	14.0	10.0	40	Single blade
SD9P1	58.0	25.0	10.0	30	Single blade
SD9P	58.0	25.0	14.0	30	Single blade



EP Type End cutting edge

Model	Dimensions (mm)				Section of blade
	A	B	C	D	
EP20	20.0	7.0	2.0	7.5	Standard
EP2	20.0	7.0	2.5	7.5	Standard
EP4	26.0	9.0	4.5	11.8	Standard
EP6A	28.0	12.0	4.5	11.8	Standard
EP6	28.0	12.0	5.5	11.8	Standard
EP10P1	34.0	17.0	5.5	11.5	Standard
EP10P	34.0	17.0	5.5	11.5	Standard
EP120	40.0	25.0	8.0	15.0	Standard

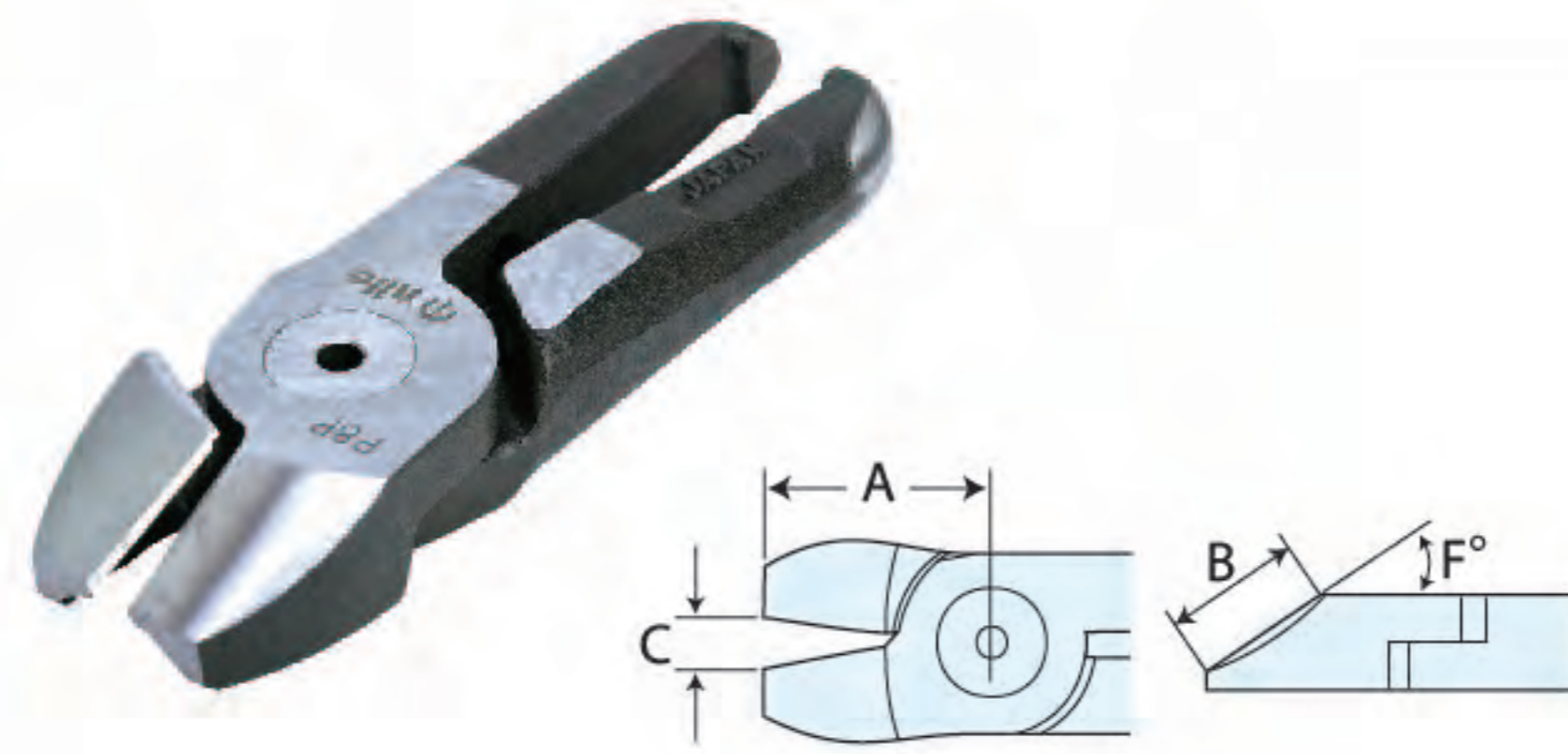


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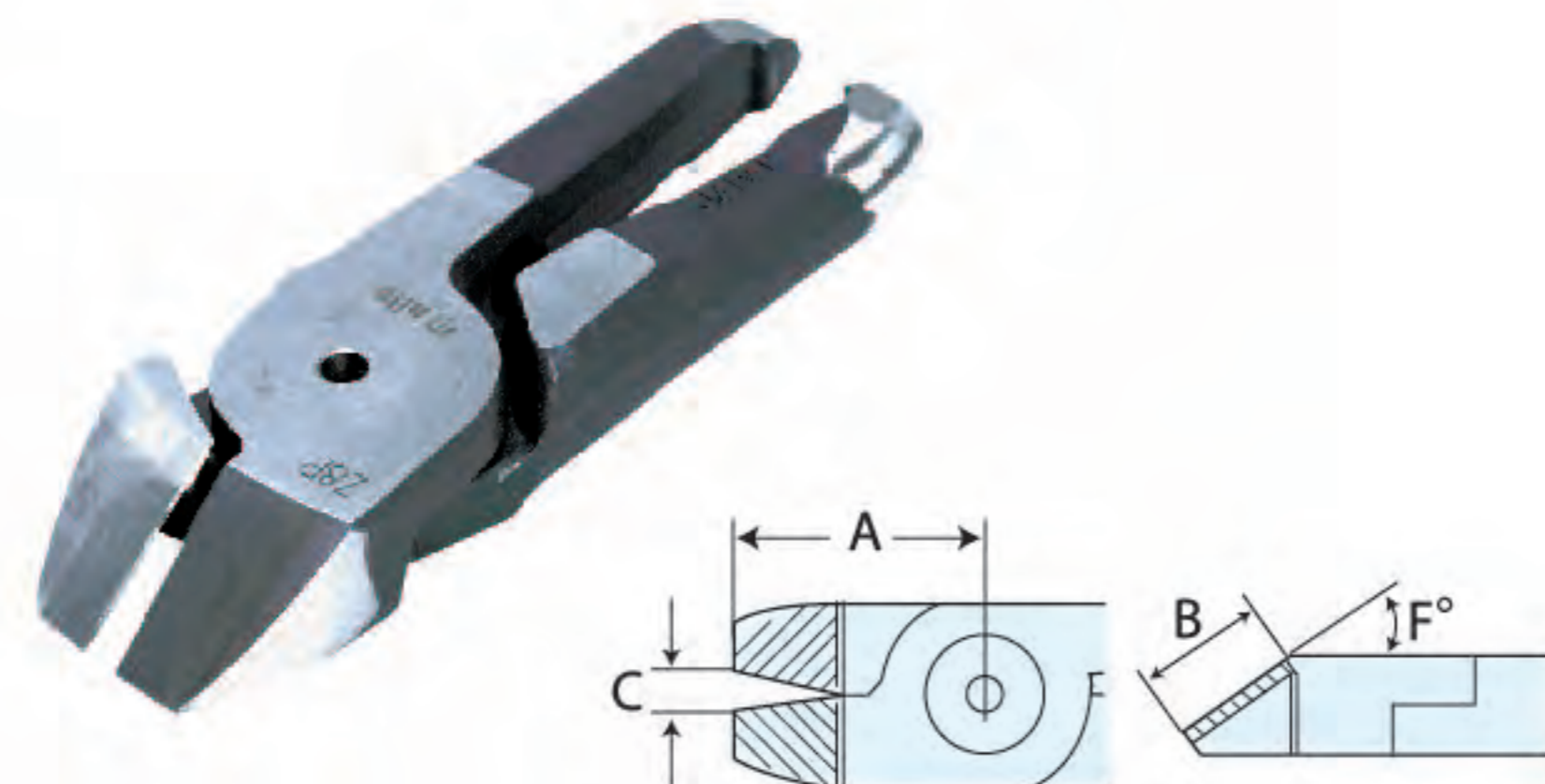
P Type Heavy-duty

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	Single blade
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



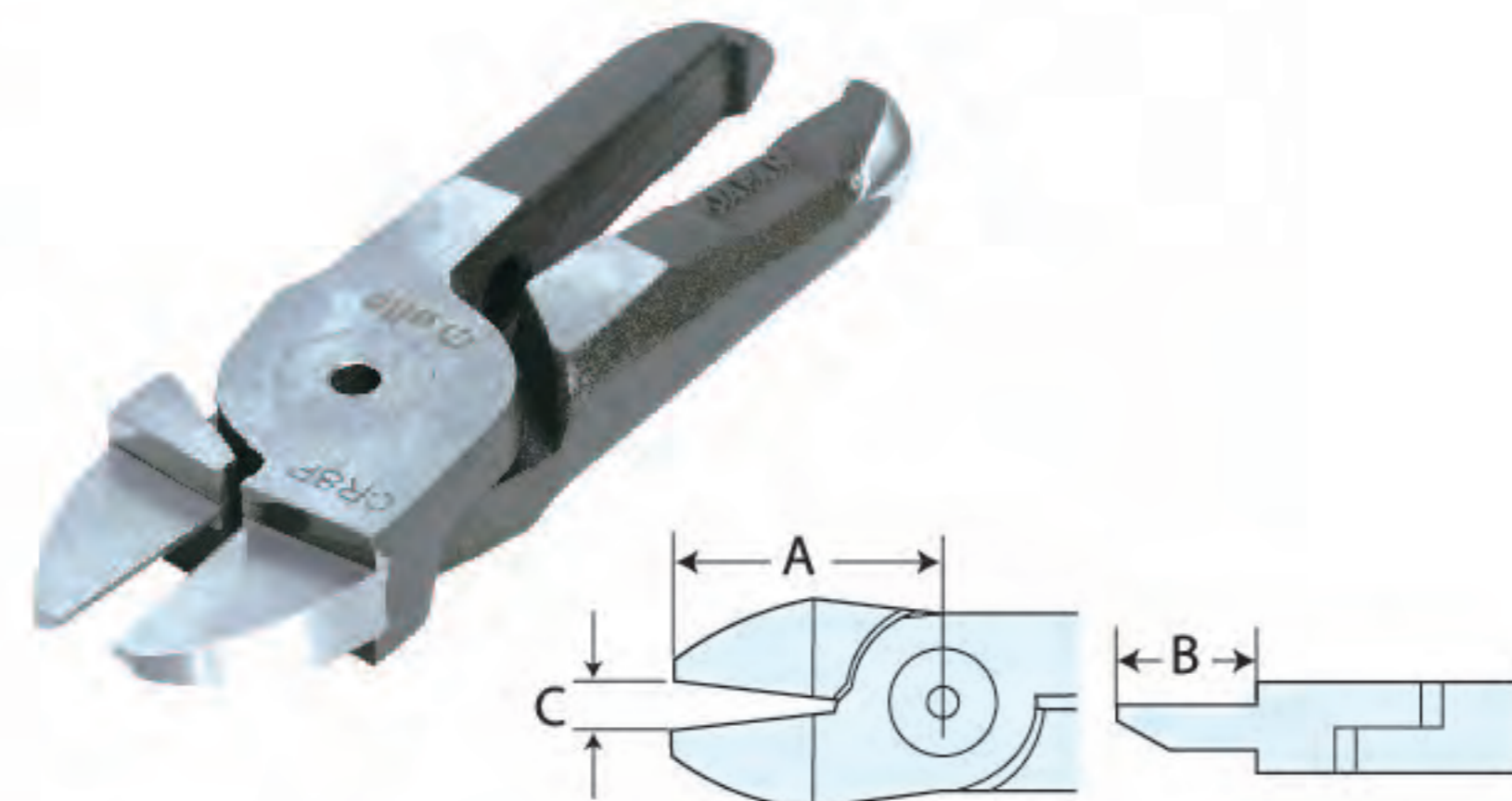
Z Type Carbide tipped for hard wire

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



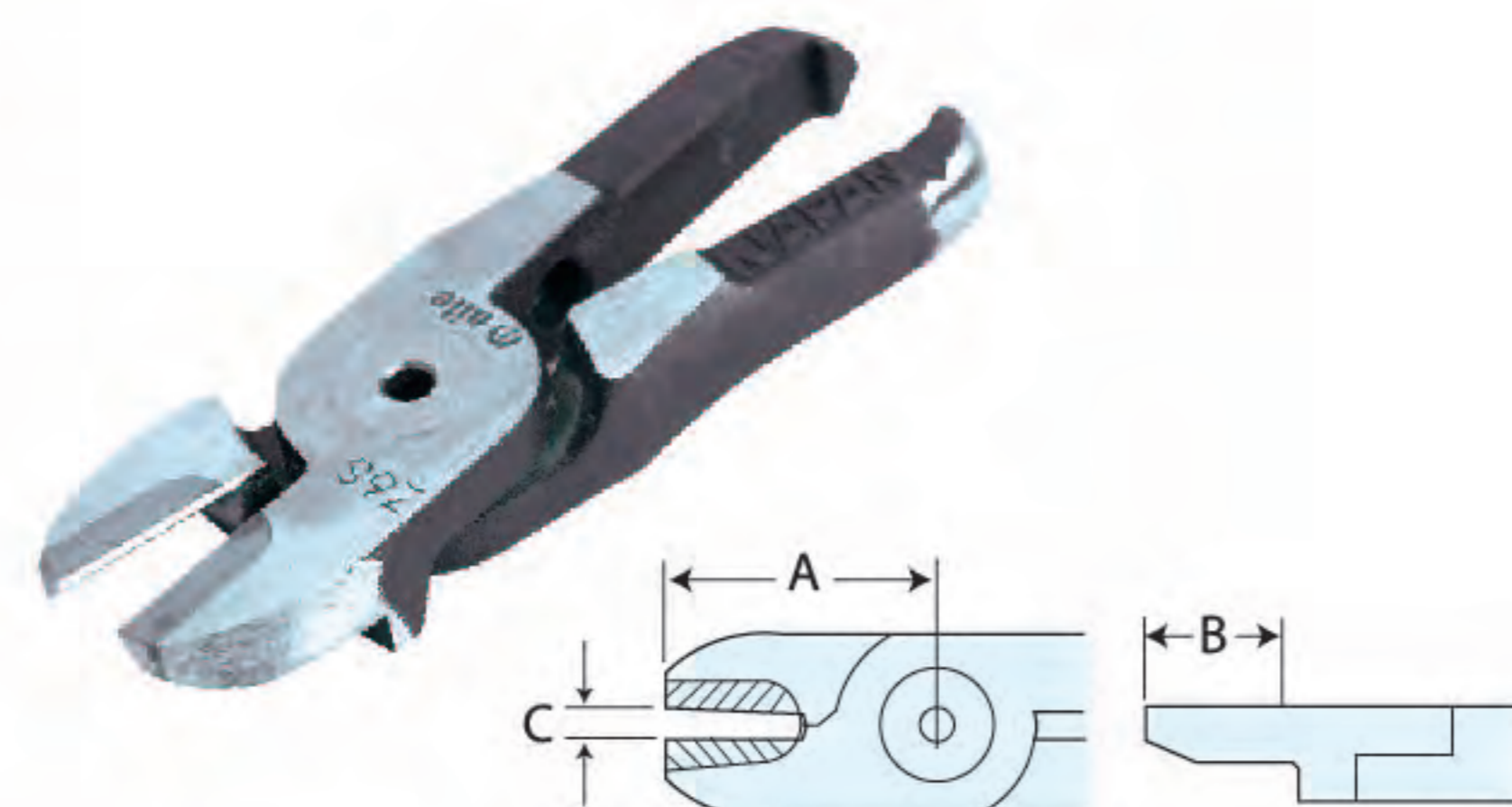
CR Type Clipper edge

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



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
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

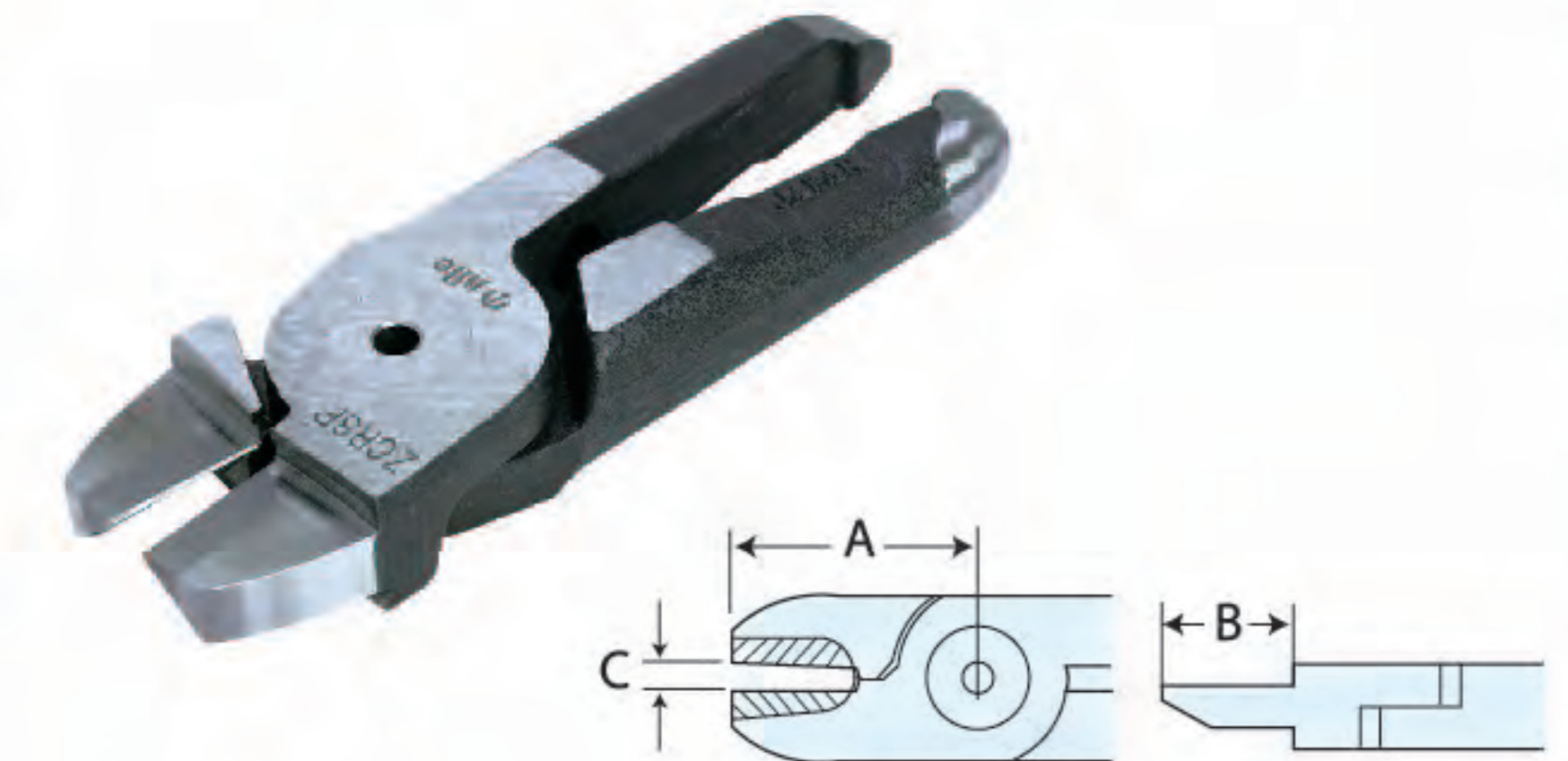


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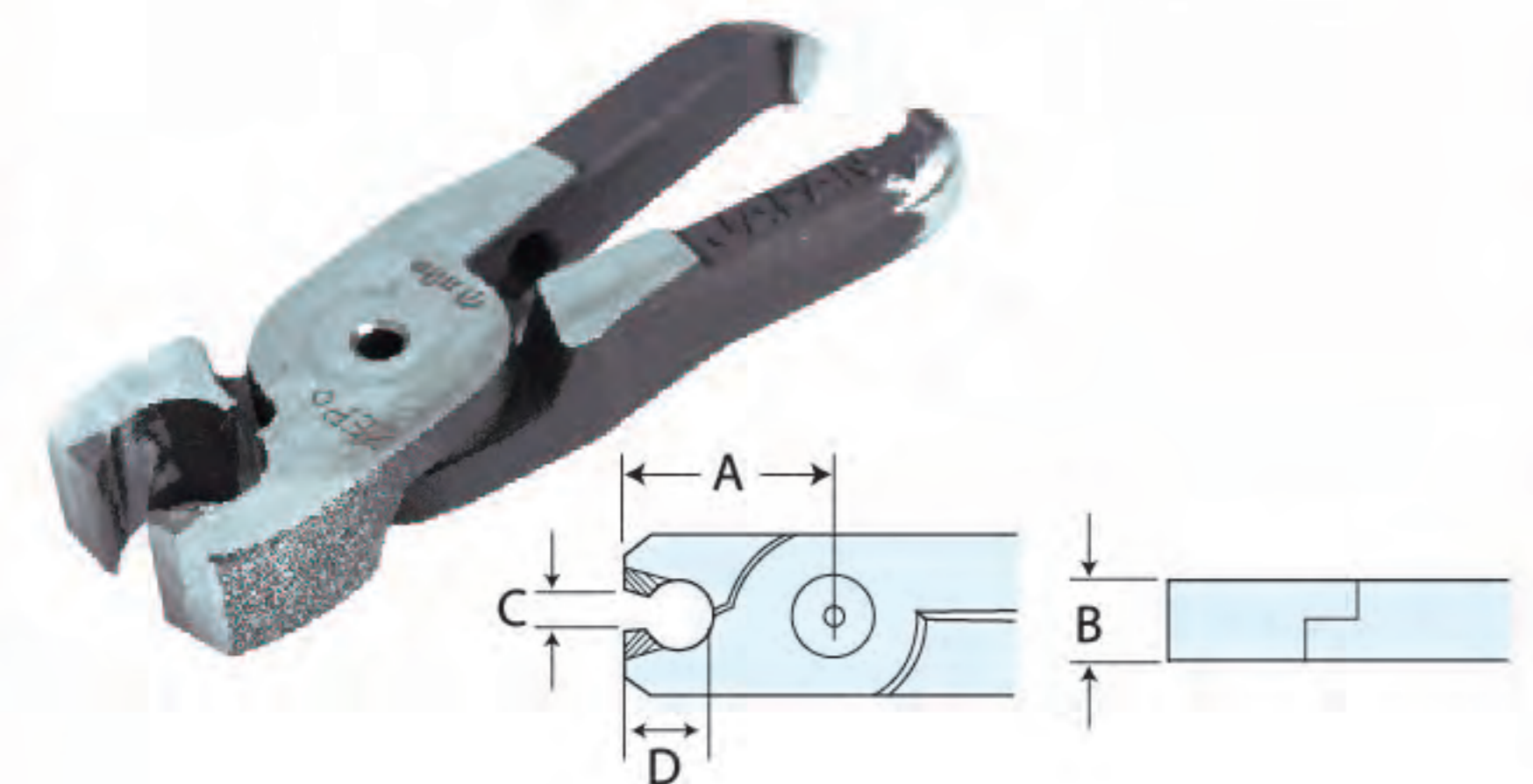
ZCR Type Carbide tipped for hard wire

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
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



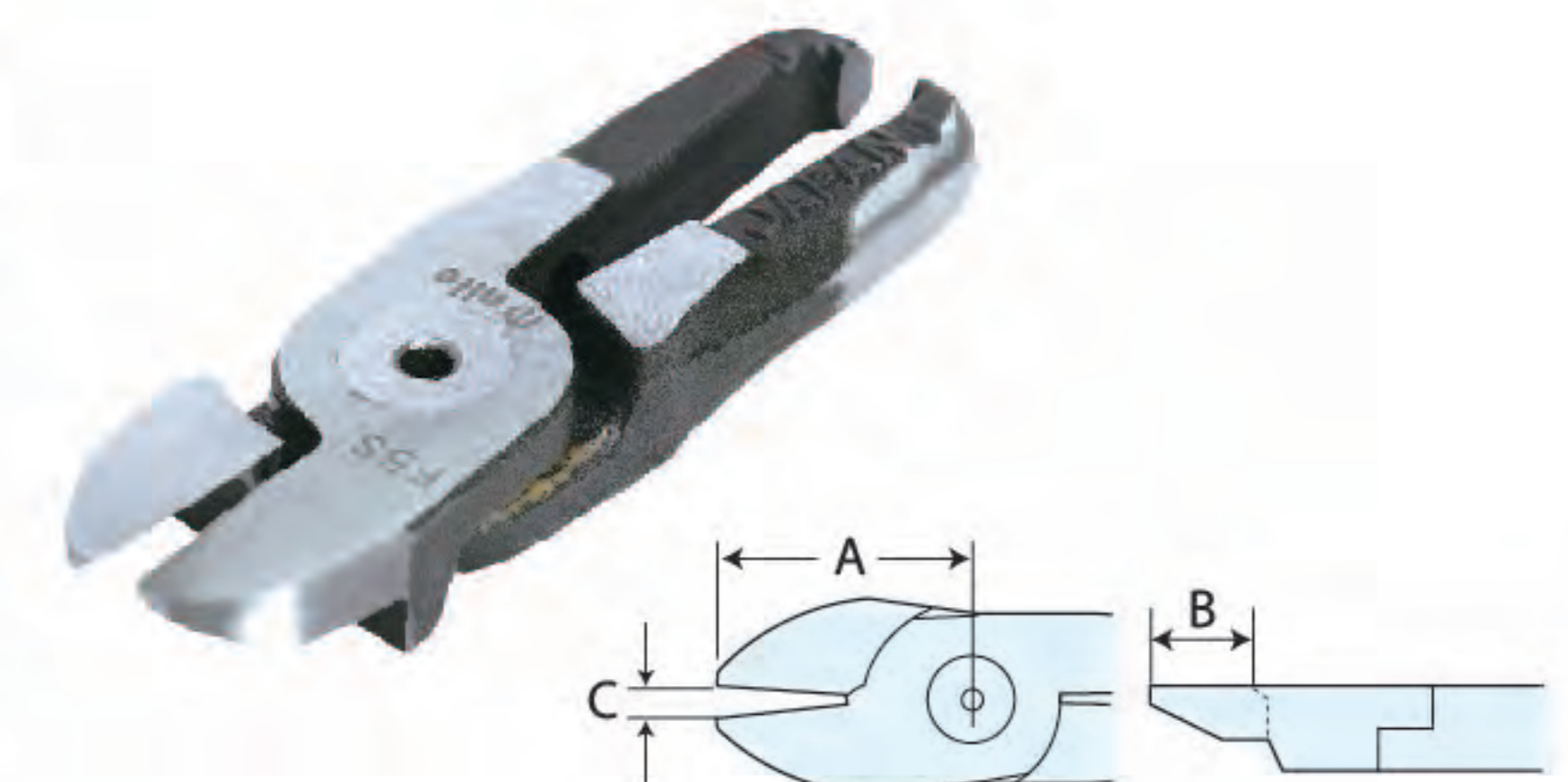
ZEP Type Carbide tipped for hard wire

Model	Dimensions (mm)				Section of blade
	A	B	C	D	
ZEP20	20.0	7.0	2.0	7.5	Standard
ZEP2	20.0	7.0	2.5	7.5	Standard
ZEP4	26.0	9.0	4.5	7.5	Standard
ZEP6A	28.0	12.0	5.0	13.0	Standard
ZEP6	28.0	12.0	6.0	13.0	Standard
ZEP10P1	34.0	17.0	5.5	12.0	Standard
ZEP10P	34.0	17.0	5.5	12.0	Standard
ZEP120	40.0	25.0	8.0	18.0	Standard



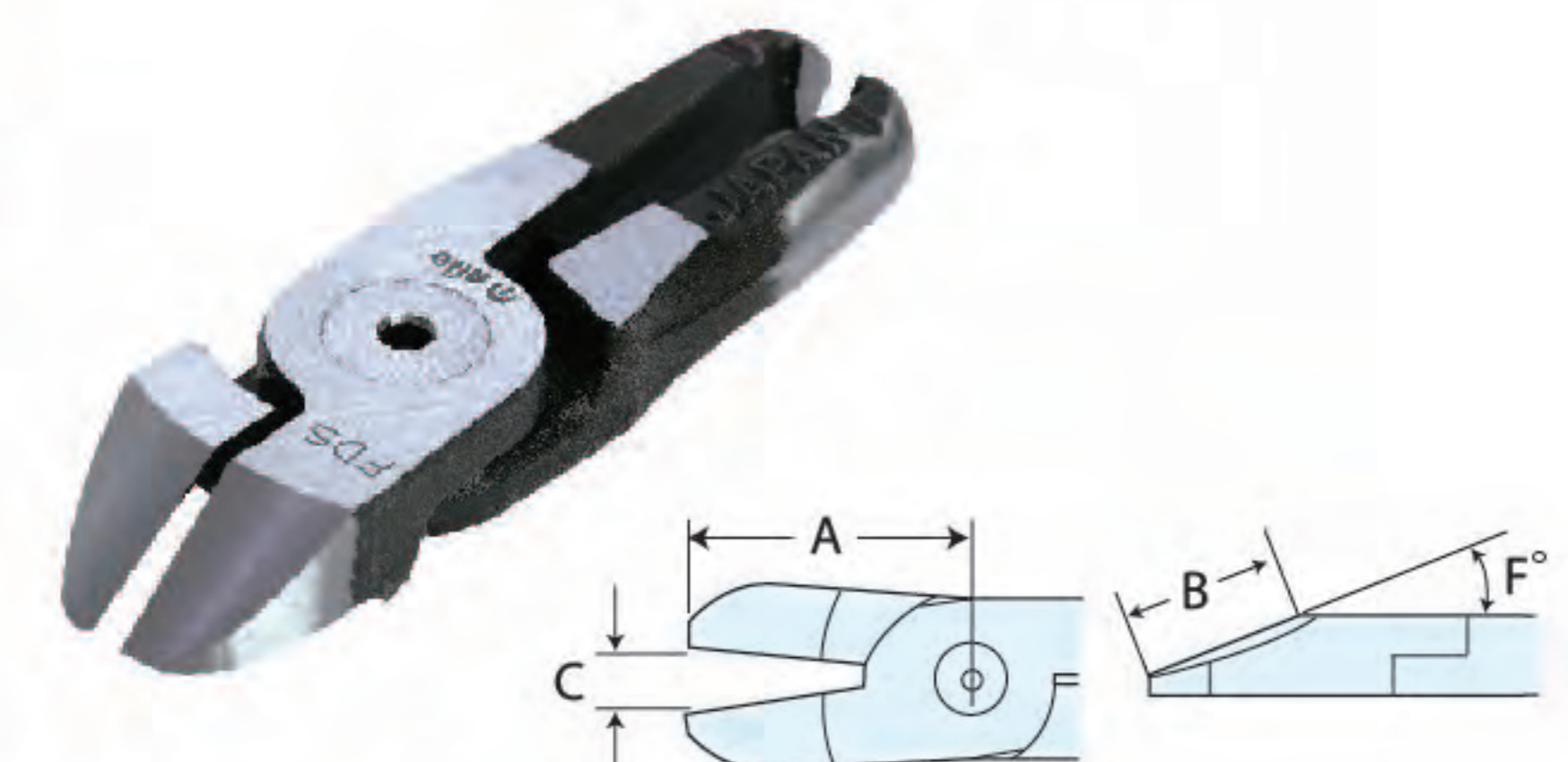
F-S Type Flat surface for plastic

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
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



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
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

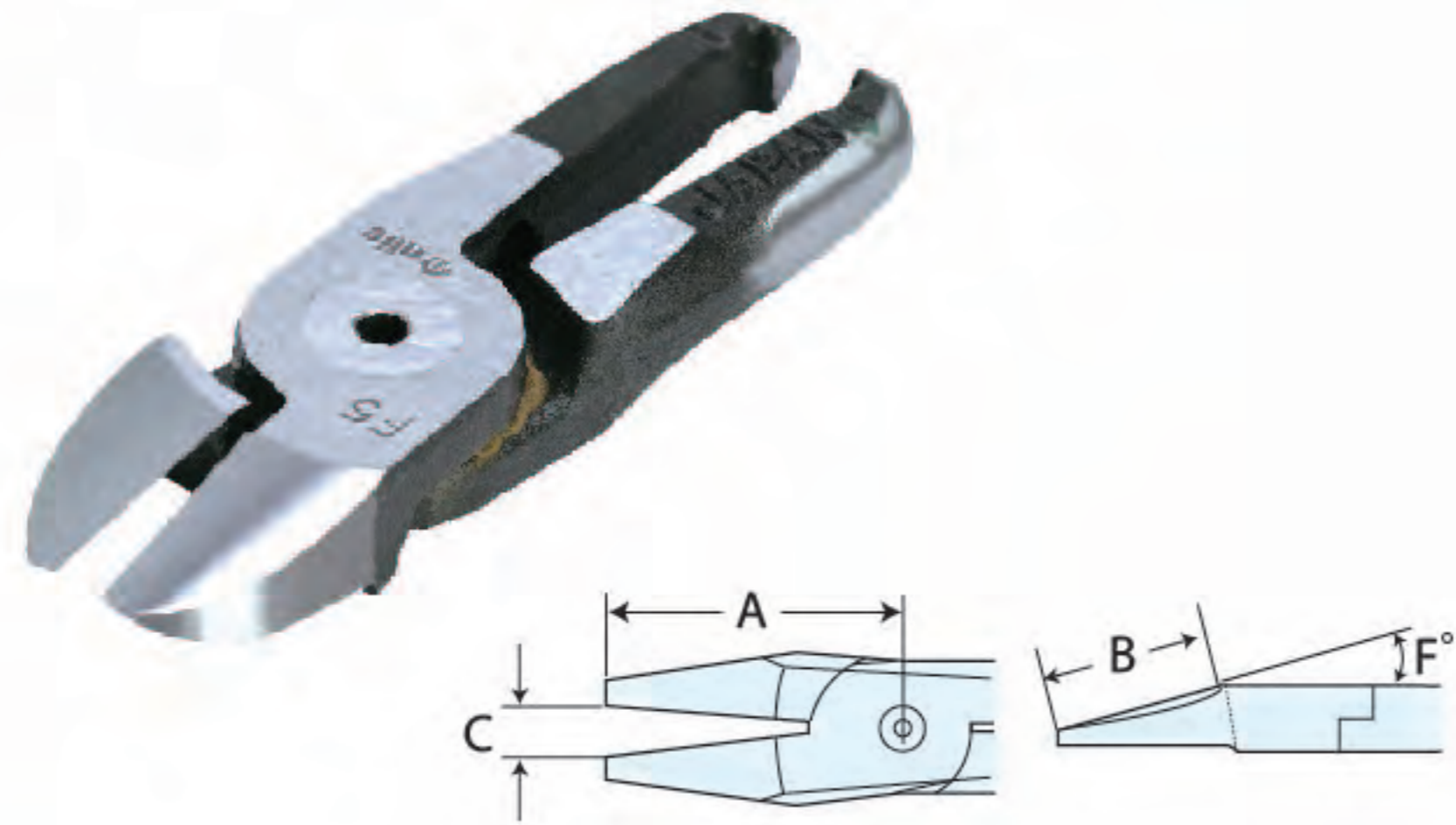


BLADES



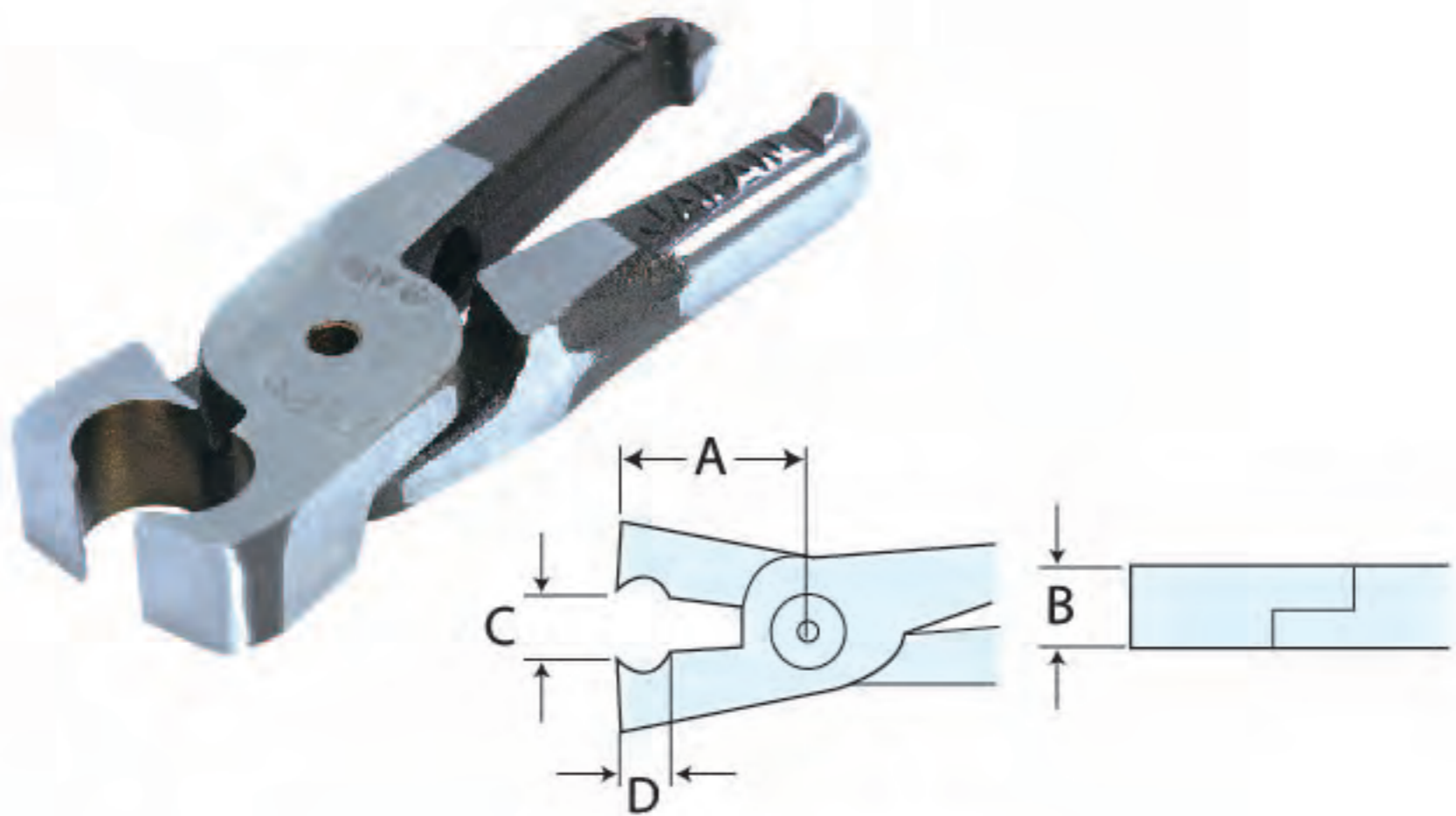
F Type *Plastic edge*

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
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



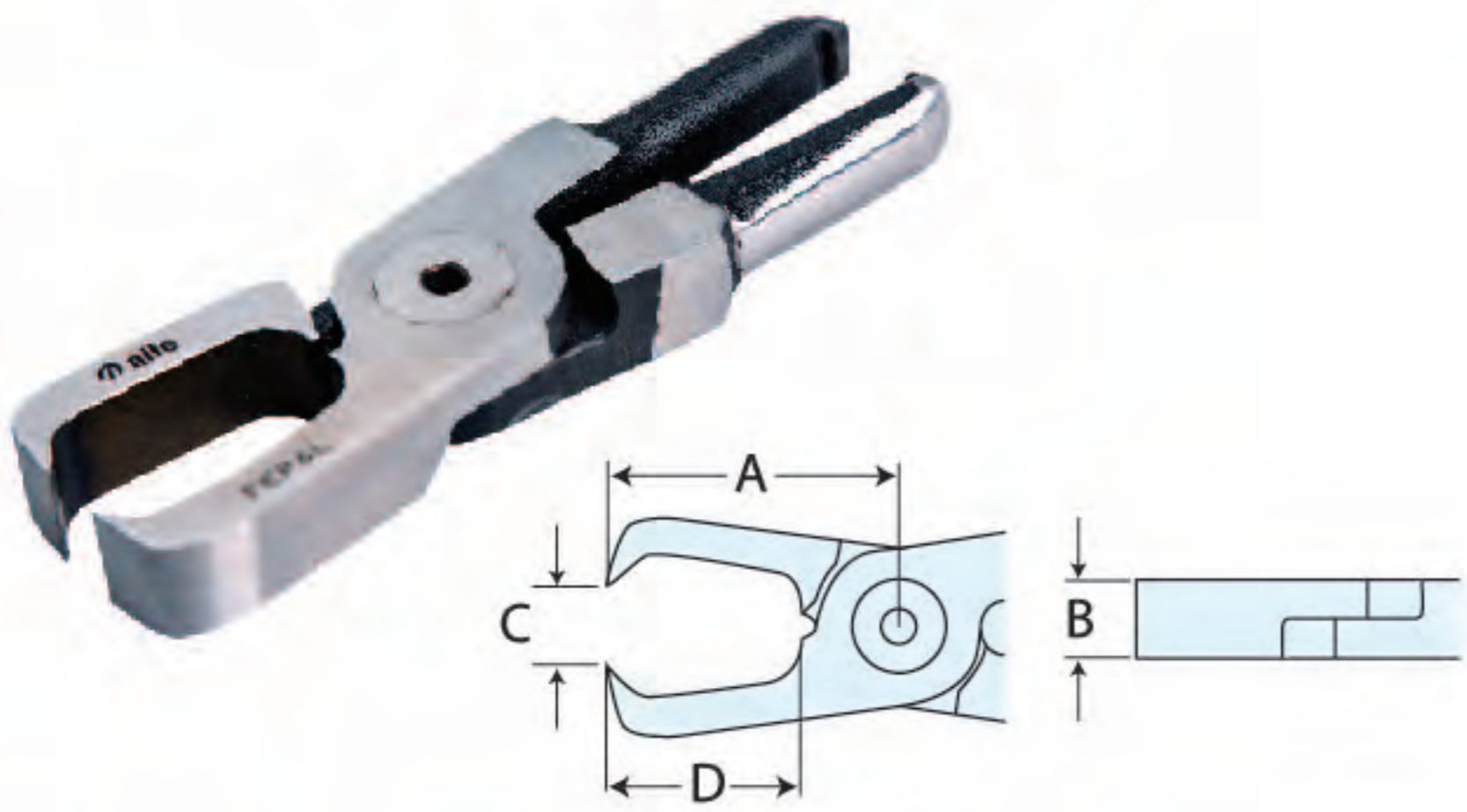
FEP Type *End cutting edge for plastic*

Model	Dimensions (mm)				Section of blade
	A	B	C	D	
FEP20	20.0	7.0	2.0	7.0	Full-flush round type
FEP2	20.0	7.0	2.5	7.0	Full-flush round type
FEP4	26.0	9.0	4.5	8.8	Full-flush round type
FEP6A	28.0	12.0	4.0	13.1	Full-flush round type
FEP6	28.0	12.0	8.5	13.5	Full-flush round type
FEP10P1	33.0	17.0	6.0	14.5	Full-flush round type
FEP10P	34.0	17.0	8.0	14.5	Full-flush round type



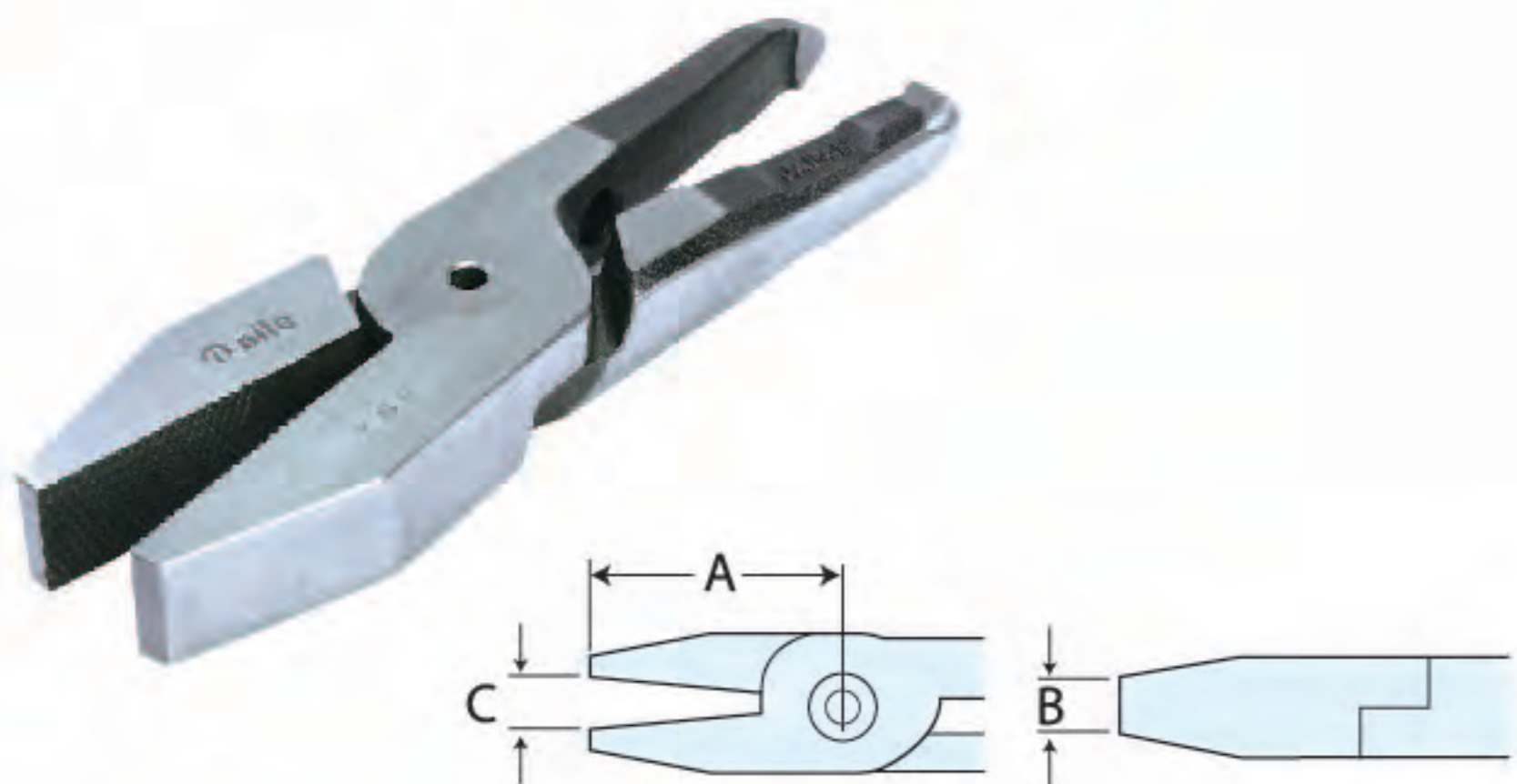
FEP-L Type *End cutting edge for plastic*

Model	Dimensions (mm)				Section of blade
	A	B	C	D	
FEP4L	30.0	9.0	6.0	19.0	Full-flush round type
FEP6L	45.0	12.0	12.0	30.0	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
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
Y120	60.0	25.0	13.0

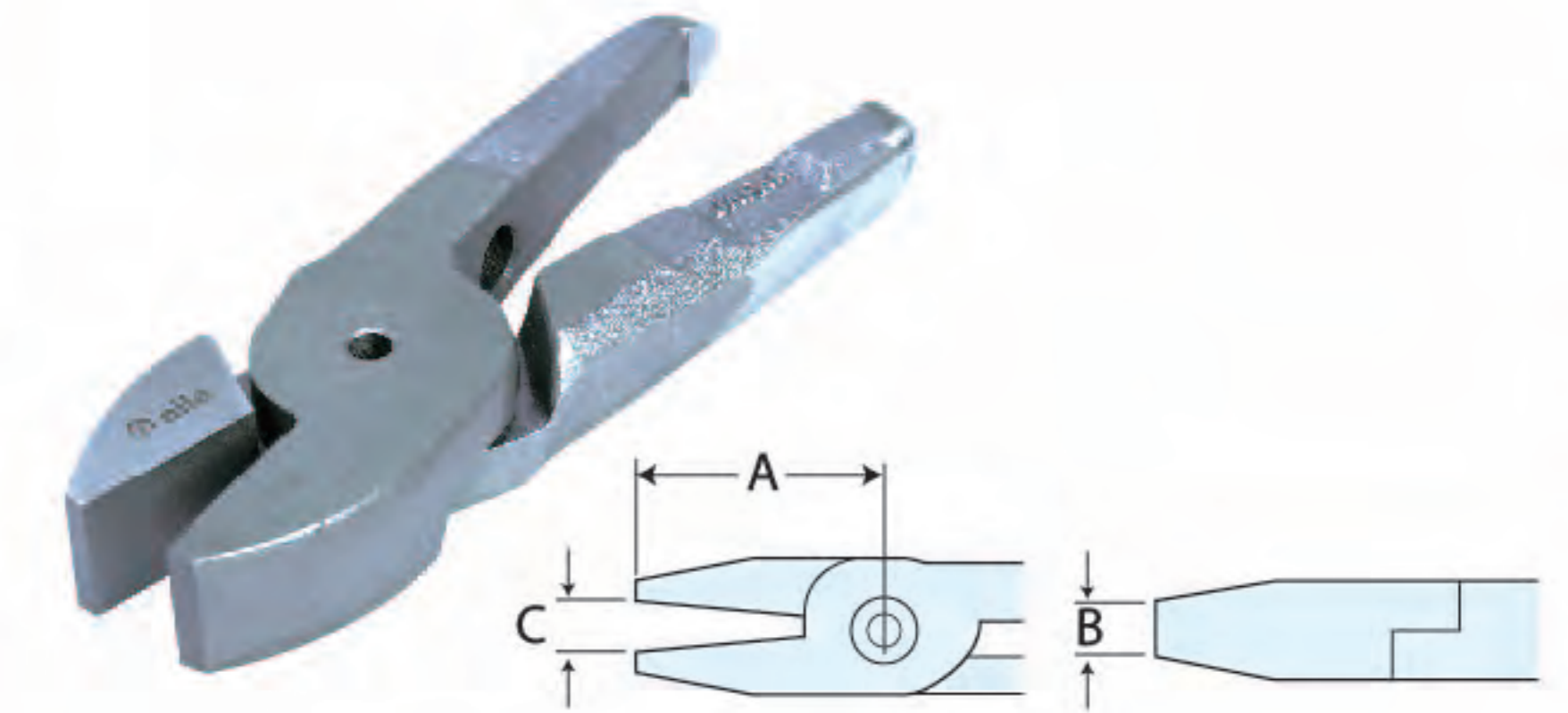


BLADES



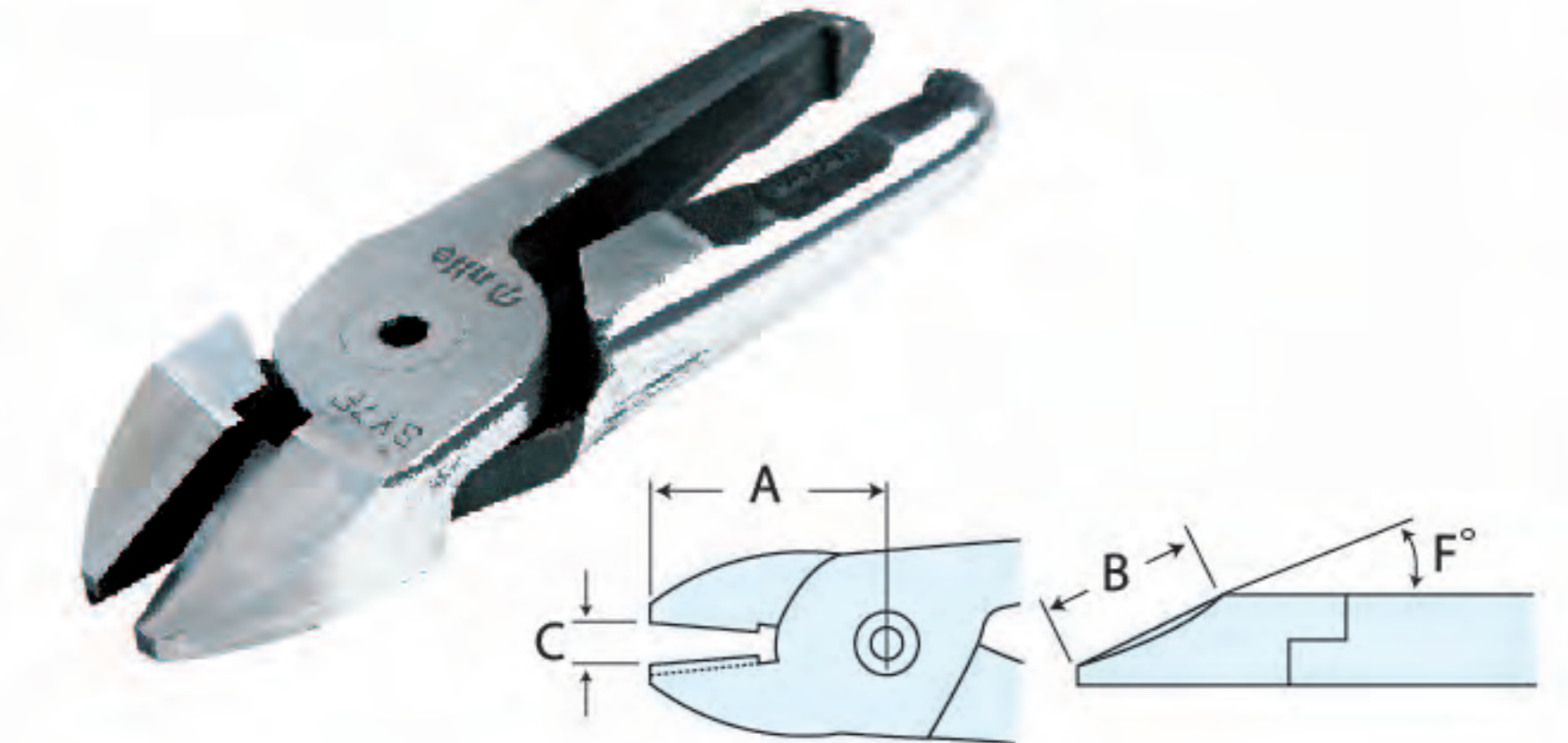
K Type *Pincers*

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



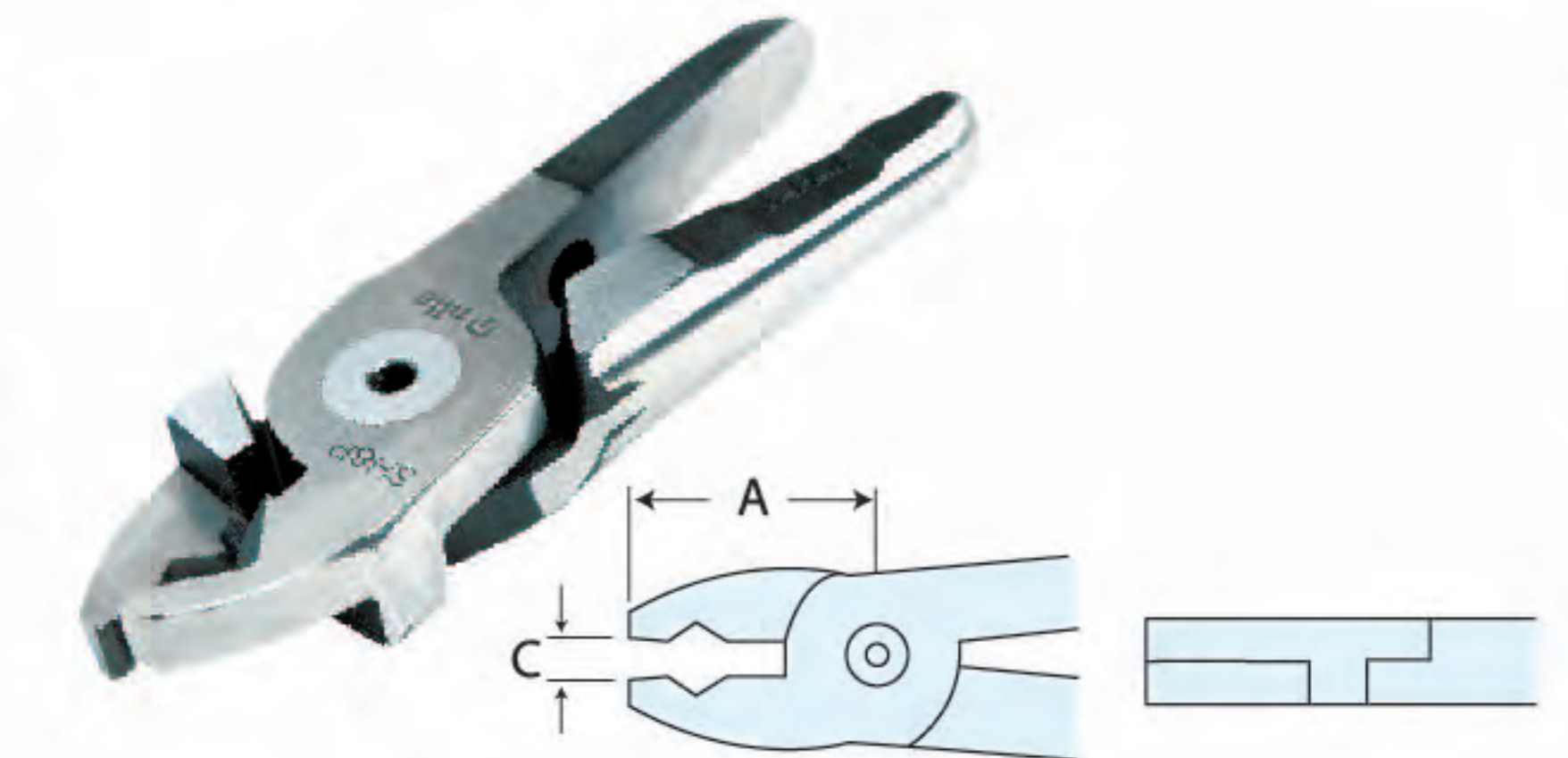
SY Type *Grossing blade Wire holding type*

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



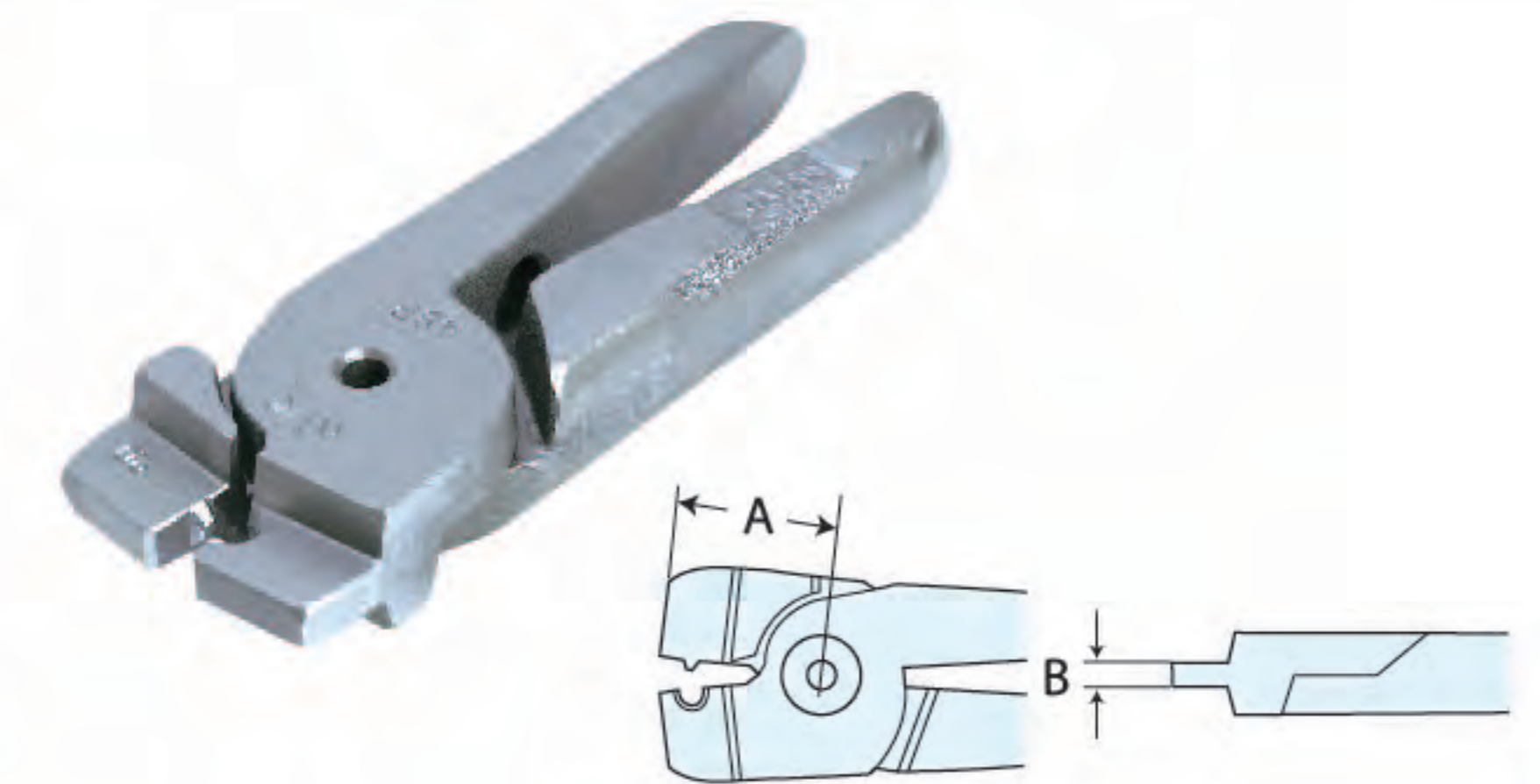
SH Type *Grossing blade Copper pipe cutting and holding type*

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



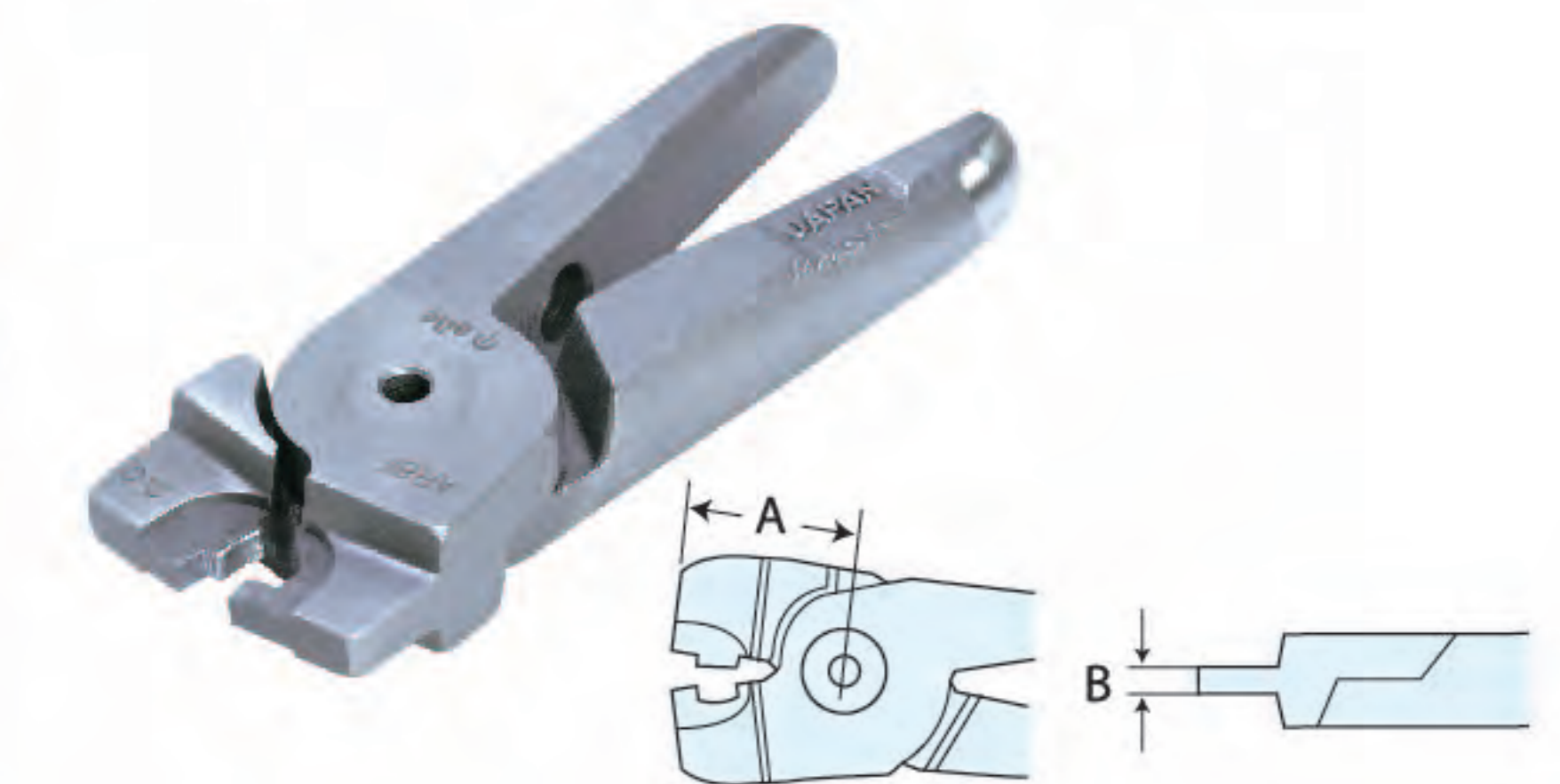
A Type *Crimping*

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



BLADES

Section of blade

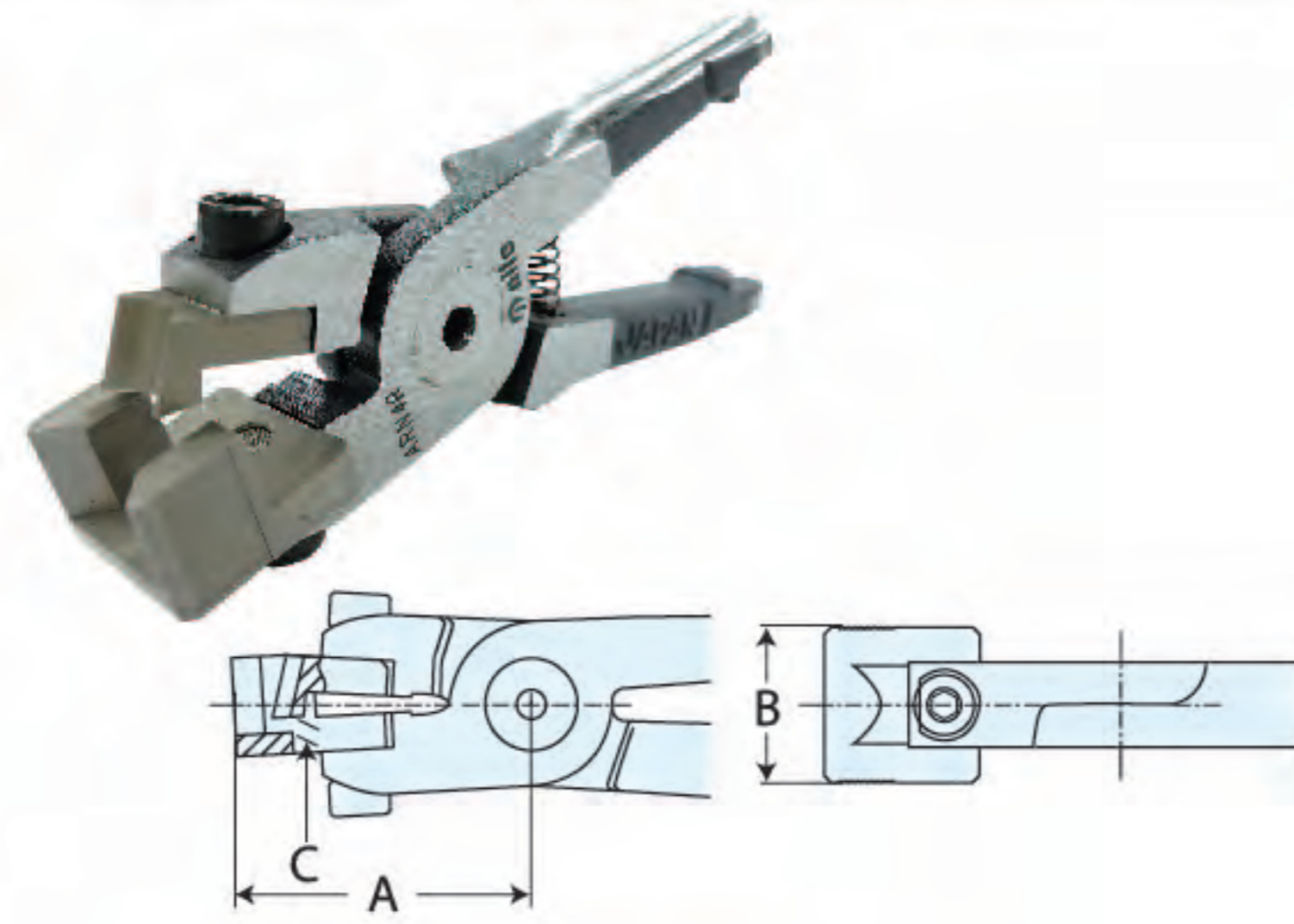
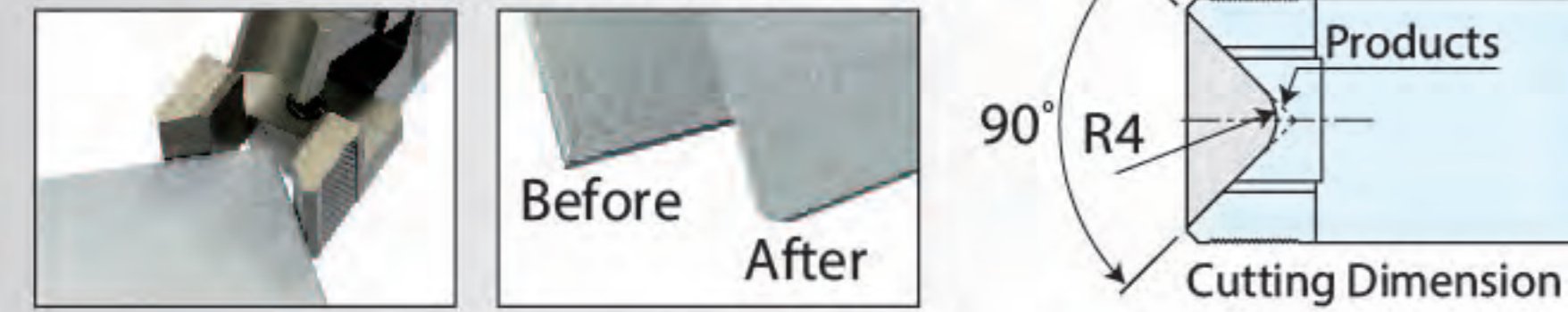
- Single blade
- Standard
- Full-flush round type
- Full-flush flat type

ARN Type

Round chamfering
(Chamfer the plate
on the outer row)

Model	Dimensions (mm)			Cutting Capacity (mm)	Shapes
	A	B	C		
ARN4R	42.0	22.0	2.0	0.8	R4
ARN400R	42.0	22.0	2.0	0.8	R4

Applicable tools ARN4R : MR20/MR20MG/MS20G
ARN400R : CP20/CP20M

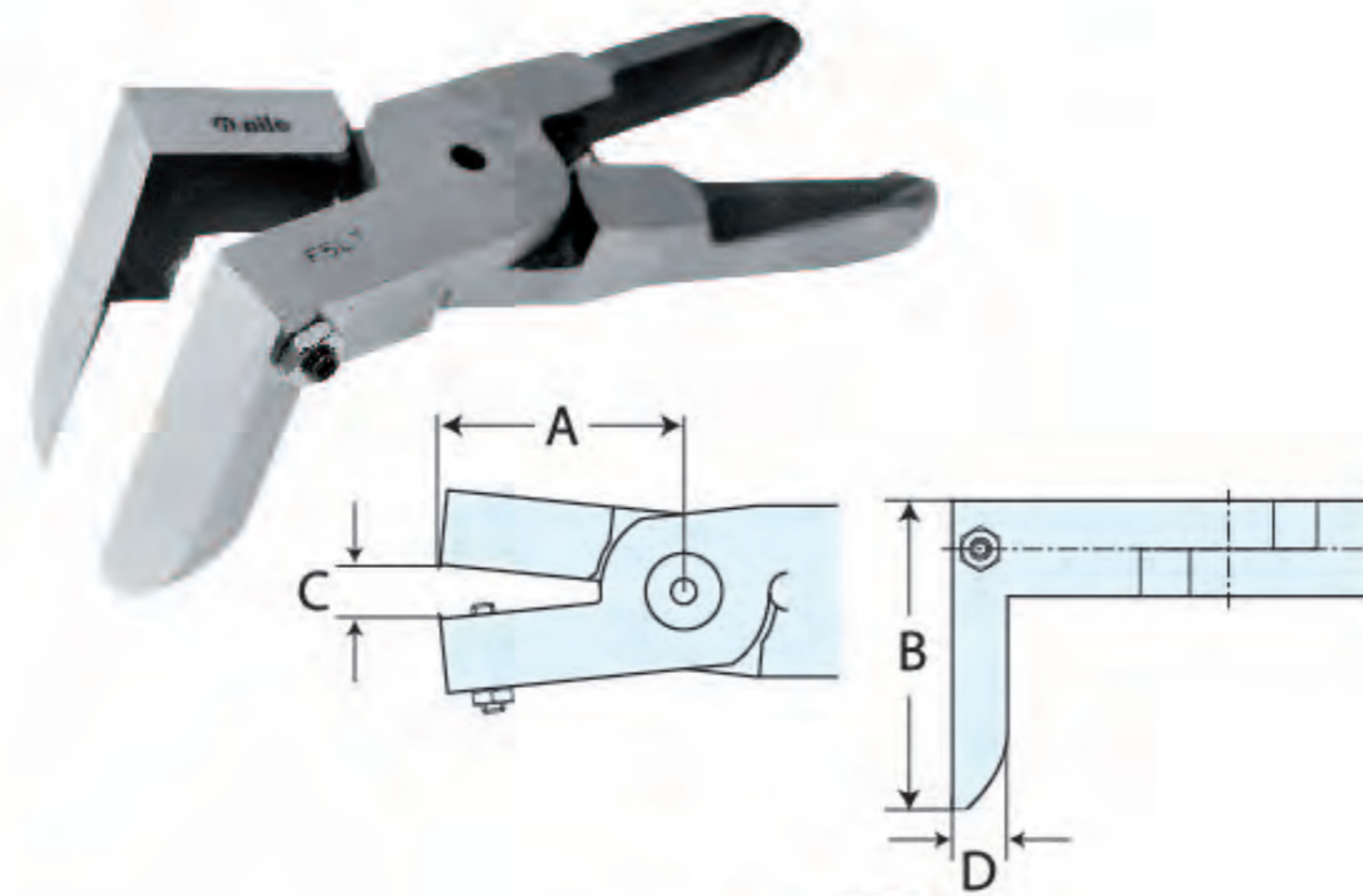


F-L(T) Type

L type
(For Plastic)

Model	Dimensions (mm)				Cutting Capacity (φmm)	Cutting blade effective length (mm)	Section of blade
	A	B	C	D			
F5LT	36.0	49.0	8.0	8.0	6.0	26.0	Full-flush round type
F9PL	50.0	55.0	10.0	10.0	7.0	32.0	Full-flush round type

Applicable tools F5LT : MR20/MR20MG/MS20G
F9PL : MR30A/MR30AMG/MS30G

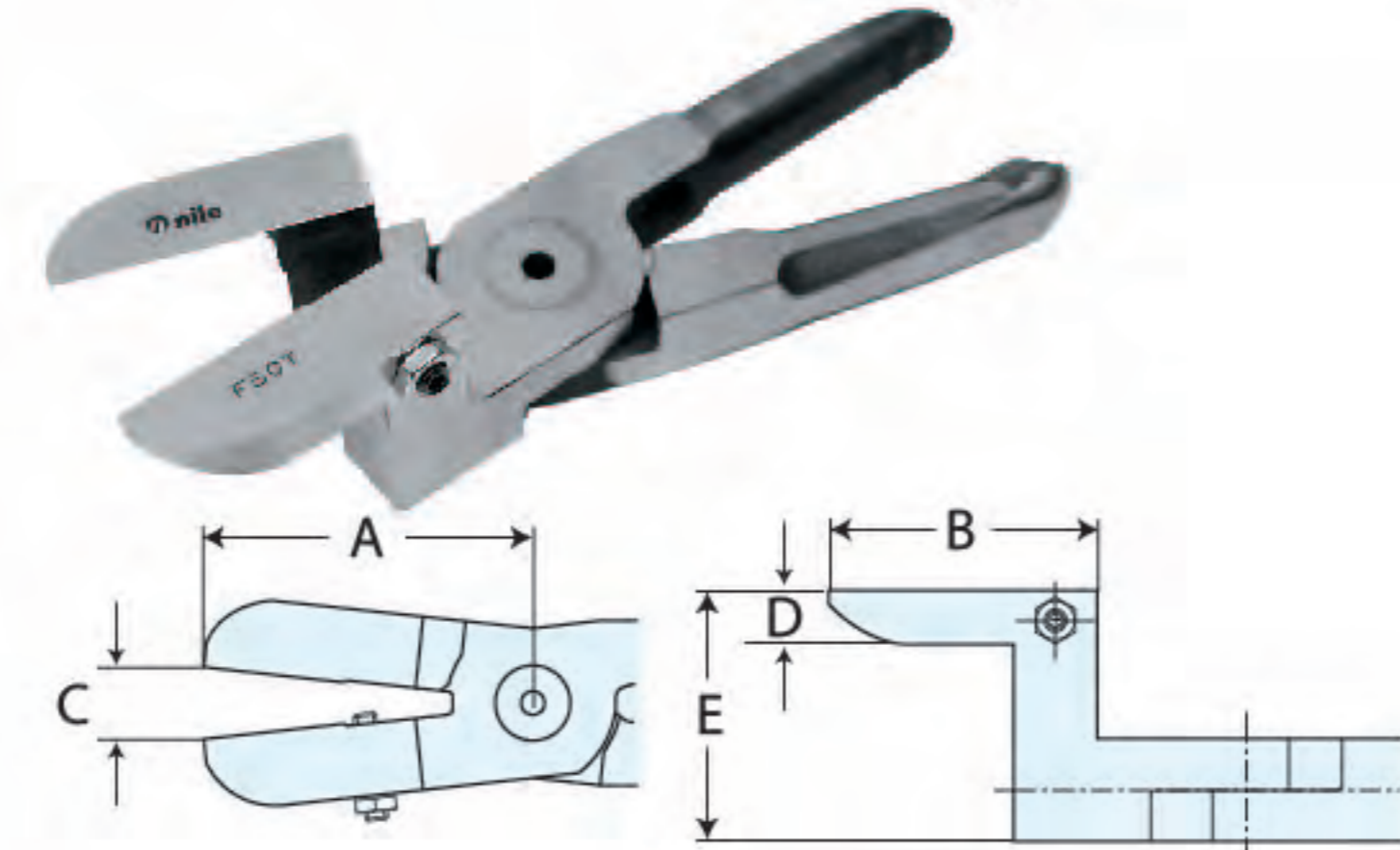


F-C(T) Type

Crank type
(For Plastic)

Model	Dimensions (mm)					Cutting Capacity (φmm)	Cutting blade effective length (mm)	Section of blade
	A	B	C	D	E			
F5CT	55.0	37.0	10.0	8.0	30.0	6.0	26.0	Full-flush round type
F9PC	70.0	45.0	15.0	9.0	41.5	7.0	32.0	Full-flush round type

Applicable tools F5CT : MR20/MR20MG/MS20G
F9PC : MR30A/MR30AMG/MS30G

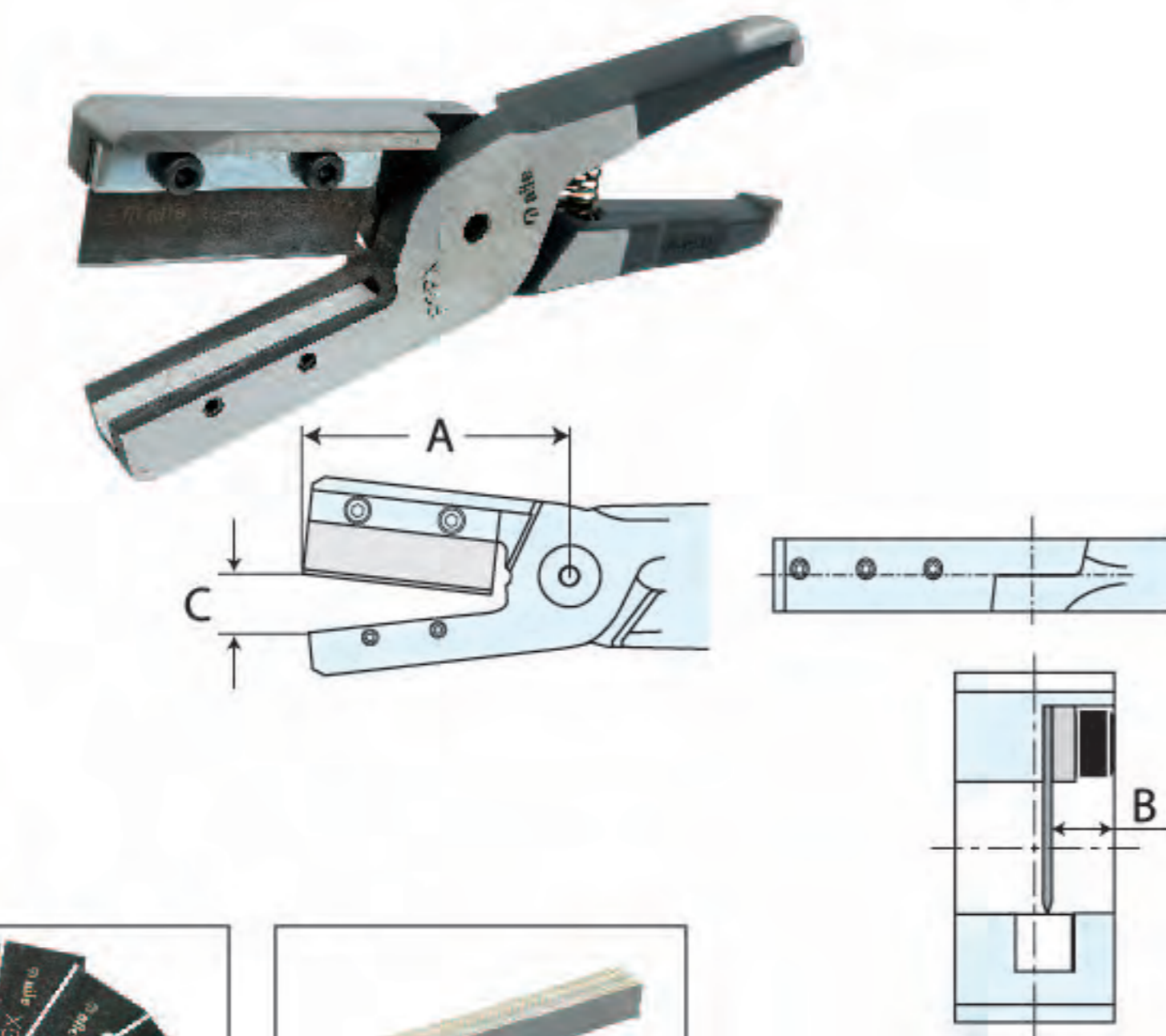


F-X Type

Cutter type
(Soft Material)

Model	Dimensions (mm)			Cutting blade effective length (mm)	Section of blade
	A	B	C		
F9PX	70.0	7.0	15.0	50.0	Blade(Standard)
F900X	70.0	7.0	15.0	50.0	Blade(Standard)

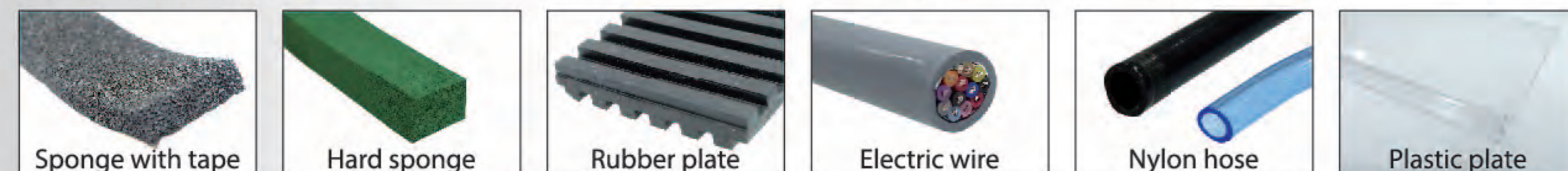
Applicable tools F9PX : MR30A/MR30AMG/MS30G
F900X : CP30/CP30M/CPS30G



Parts and Examples of subjects for cutting

Model	Blade	Plastic plate
F9PX	X50-5P	PB-X50
F900X	X50-5P	PB-X50

Do not use on hard material.



BLADES

Section of blade

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

Semi-standard Blade

Section of blade

- Full-flush
- Cutting surface

Sharp edge for Metal

The cutting surface of metal wire (soft iron wire and copper wire) is finished so clean.

Note: Because the blade is sharply finished, the durability is inferior to that of ordinary products.

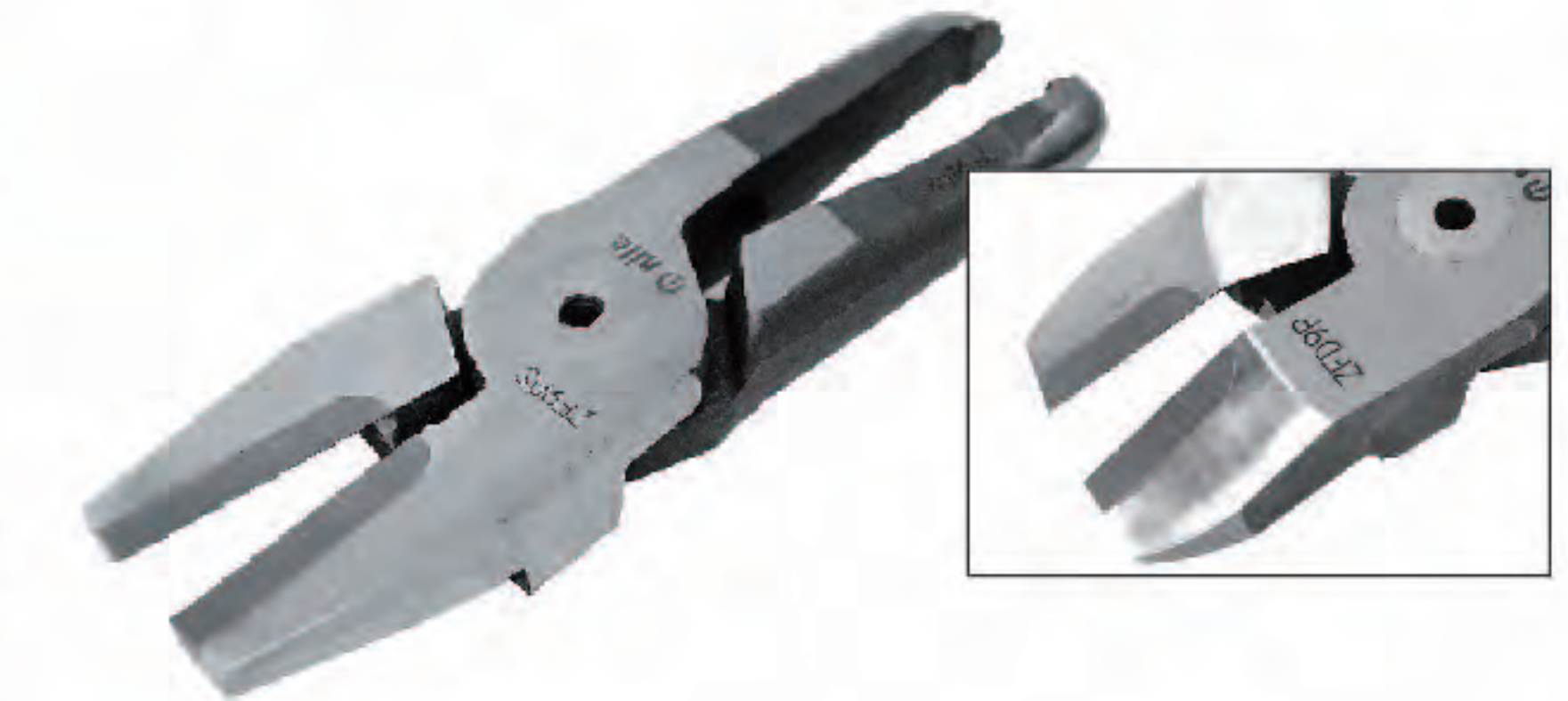
Model	Applicable tools	Section of blade
S20R	Same as S20	Full-flush
S2R	Same as S2	Full-flush
S4R	Same as S4	Full-flush
S5R	Same as S5	Full-flush
S7PR	Same as S7P	Full-flush



Carbide tipped for plastic

The carbide tip is attached to the replacement blade for plastic which provides excellent wear resistance(durability) for gate cutting of hard plastic, such as glass-filled, plastic and polycarbonate. It is excellent in abrasion resistance (durability).

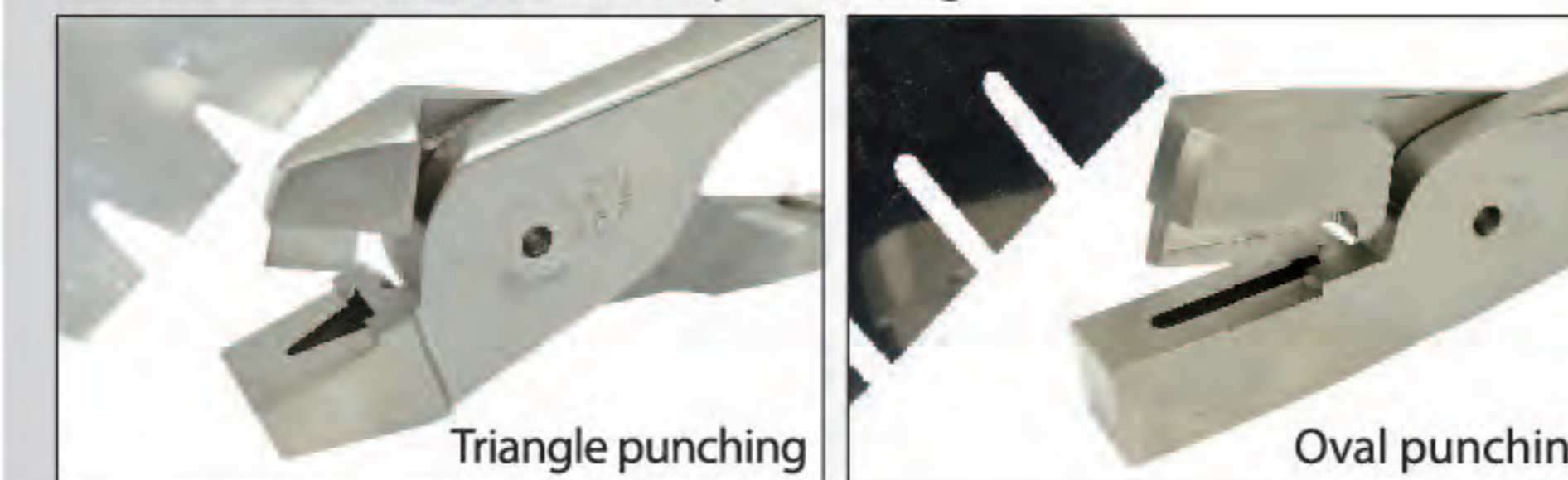
Model	Applicable tools	Section of blade
ZF5S	Same as F5S	Thin edge blade(Carbide tip)
ZF9PS	Same as F9P	Thin edge blade(Carbide tip)
ZFD9P	Same as FD9P	Thin edge blade(Carbide tip)



Special Blade example

Punching various holes

Can be used in sheet metal processing.



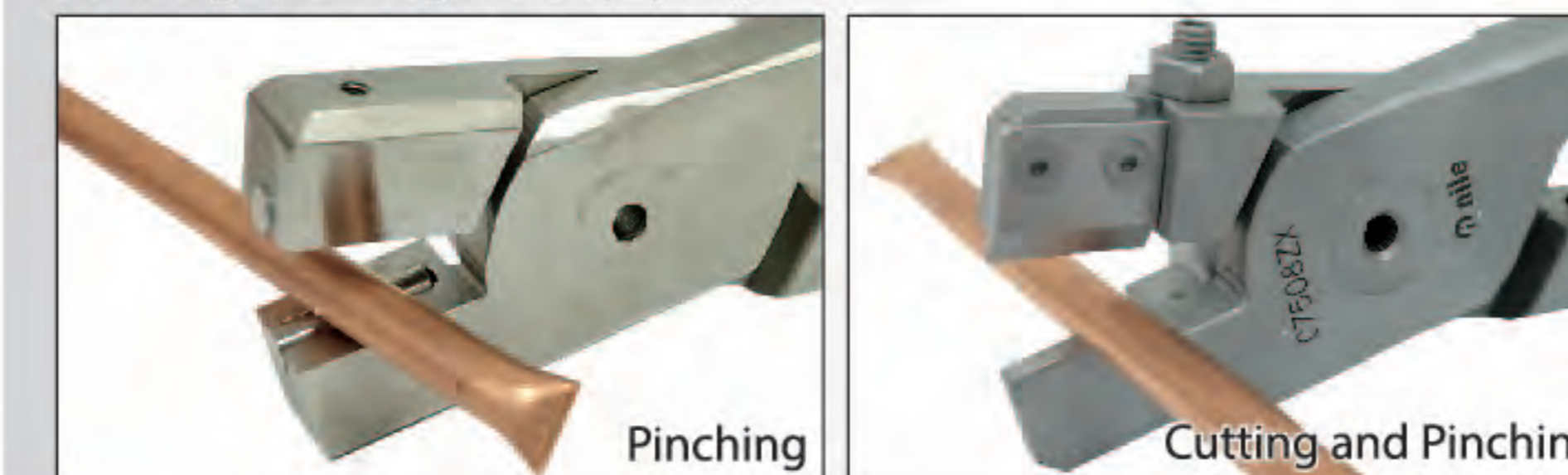
Crimp head mounting blade

Use your on tools.



Copper pipe pinching

Sealing of refrigerant piping.



Wire cutter blade

Cutting of stranded wire.



Shearing

For cutting banded iron and thin and wide cutting work.



Special surface treatment (Fluororesin impregnation)

Anti-rust, abrasion-resistant, and non-adhesive effects.



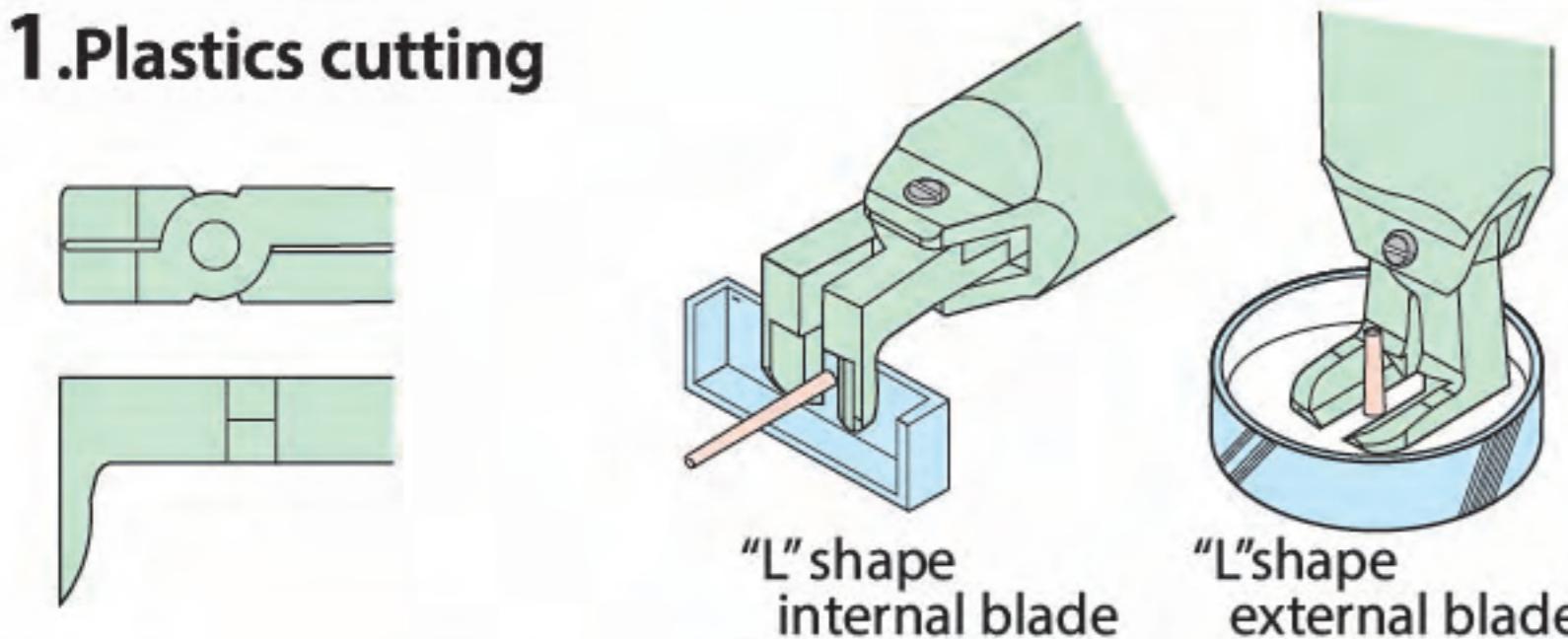
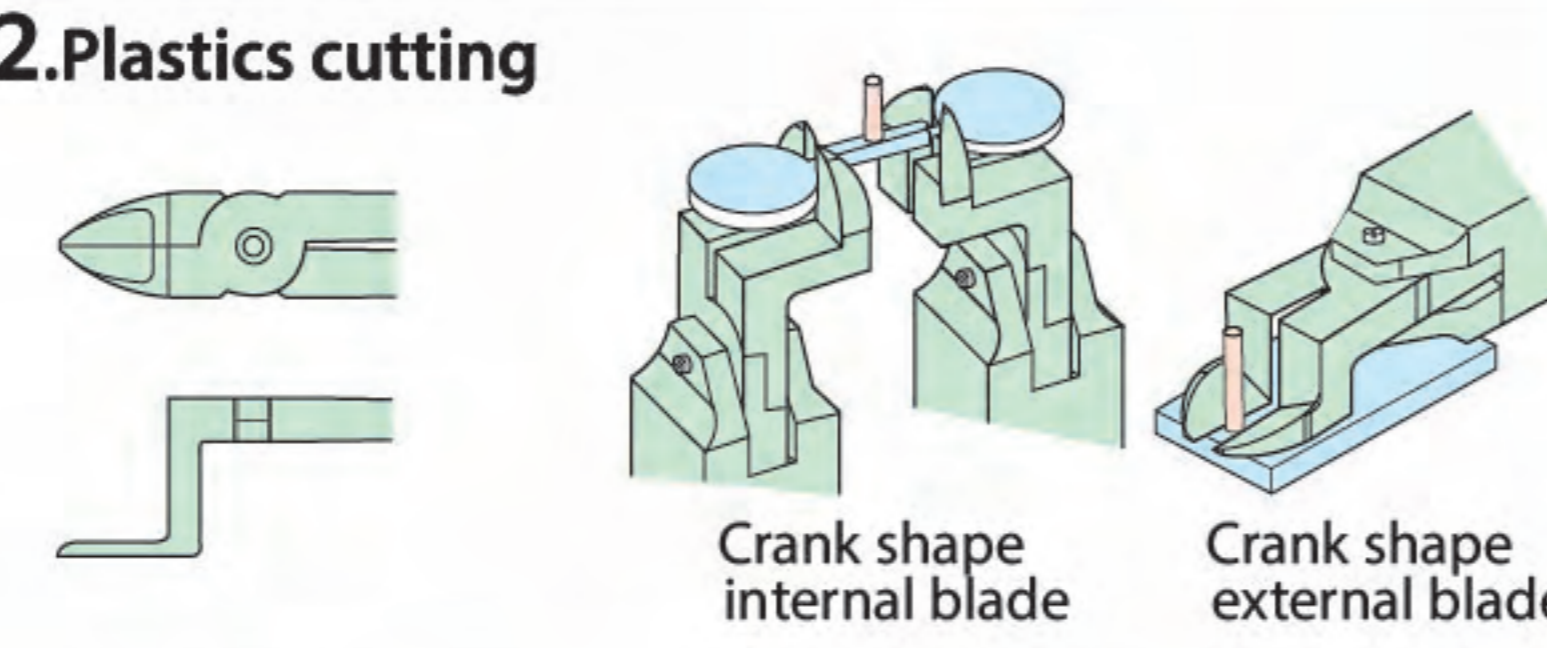
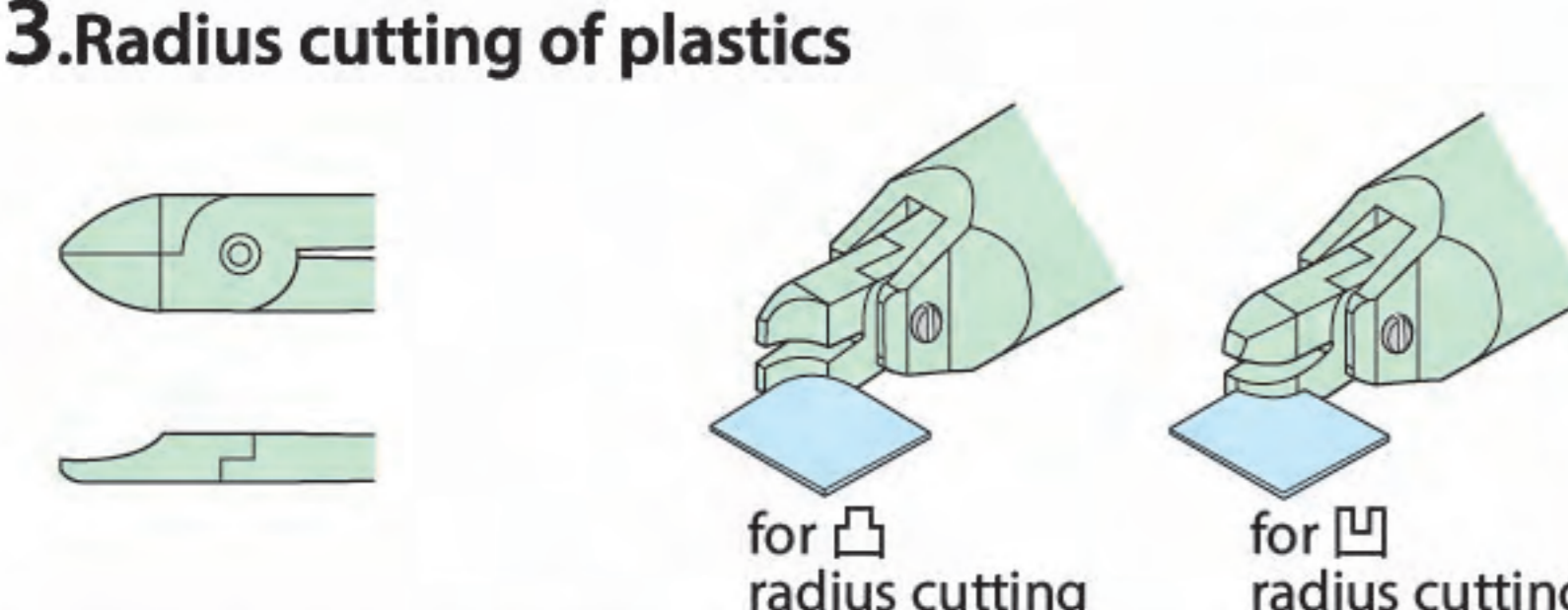
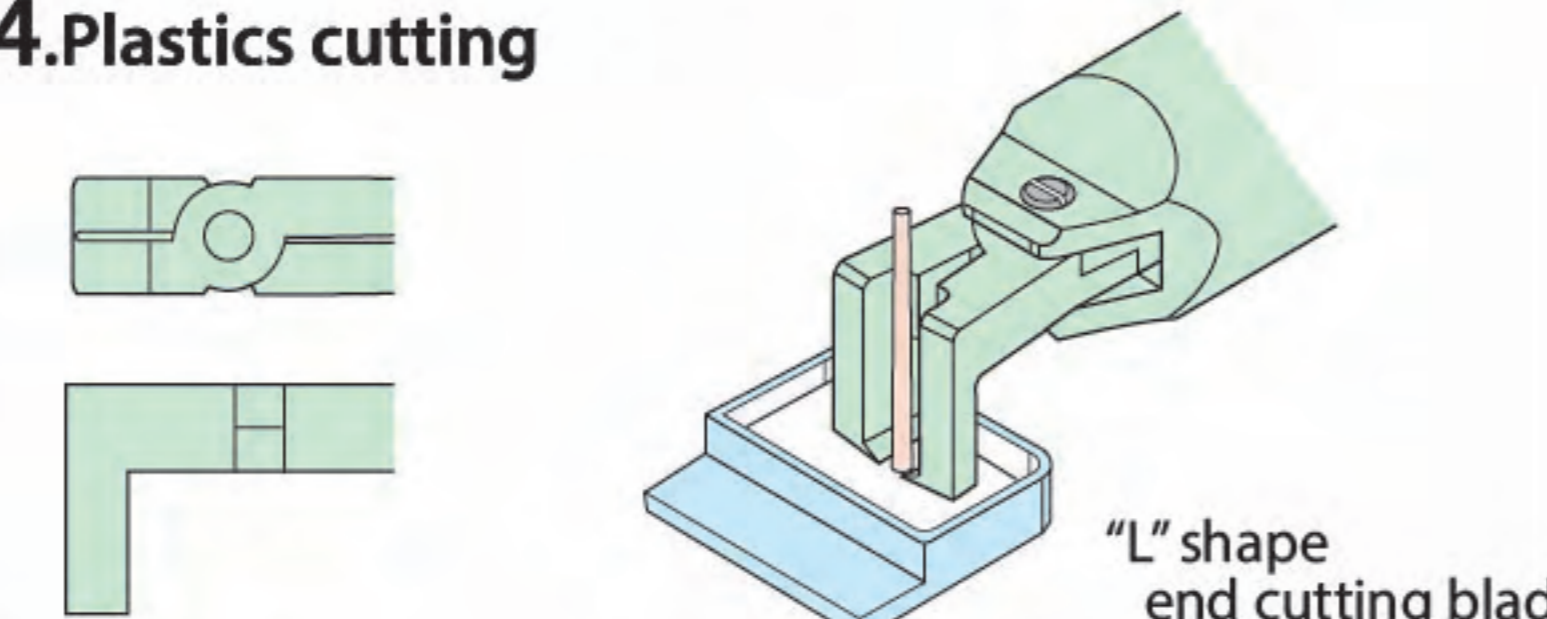
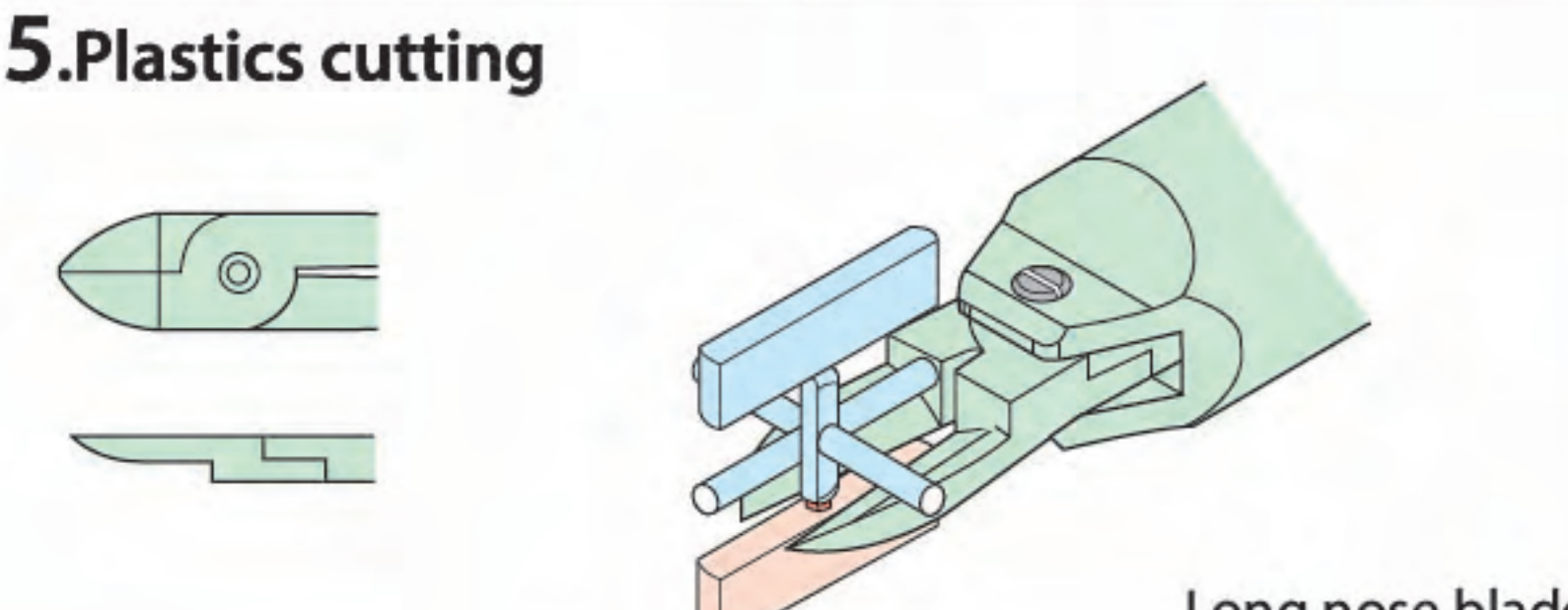
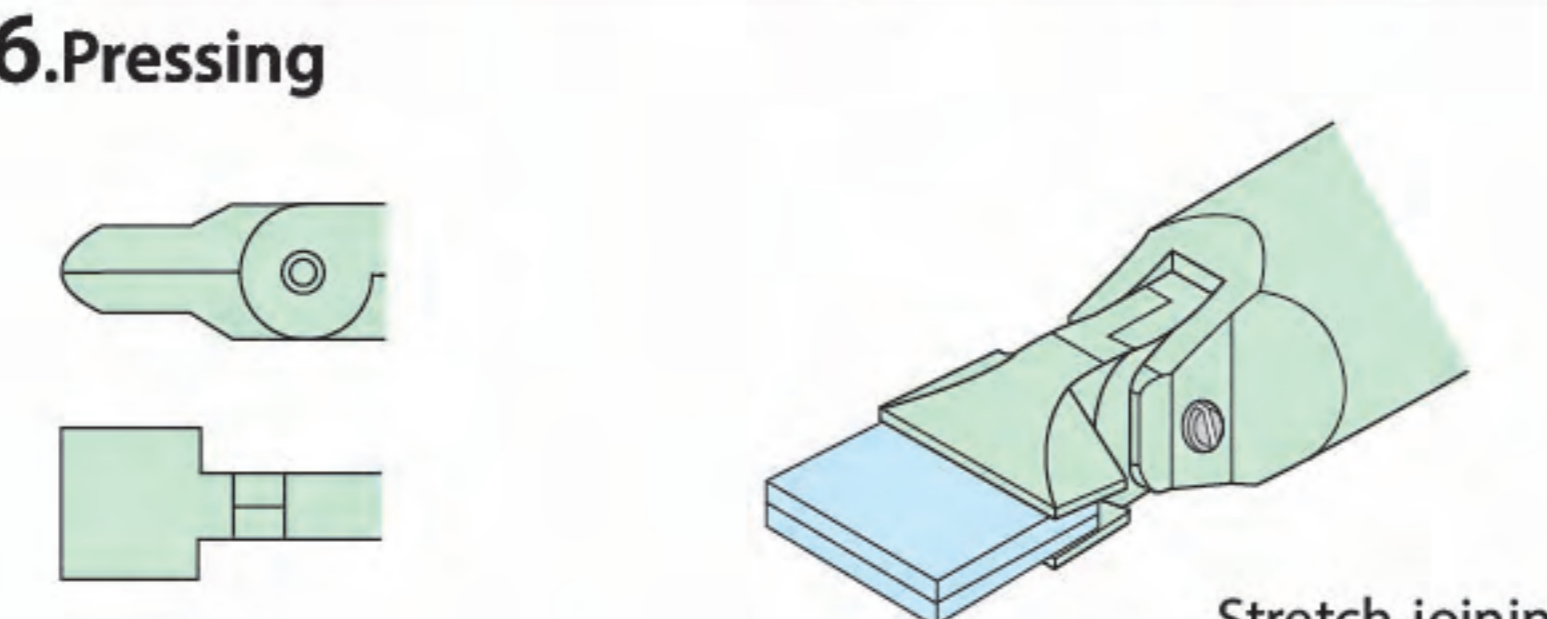
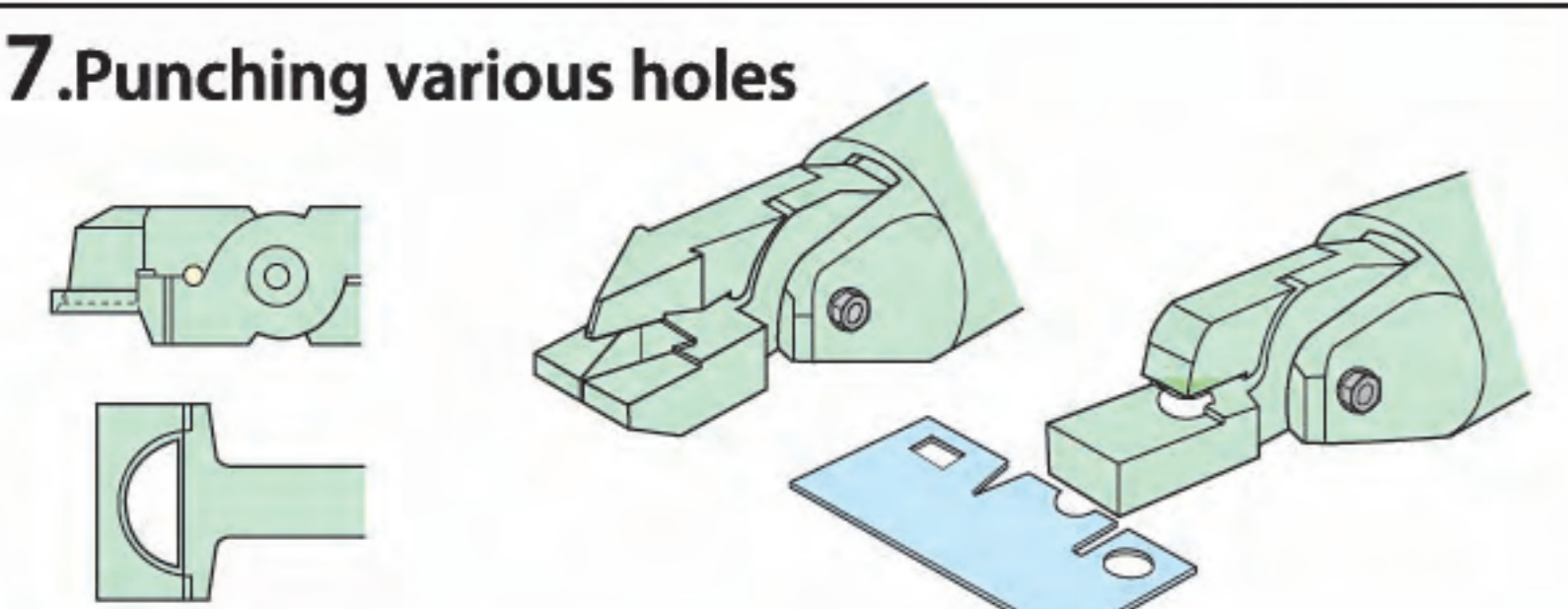
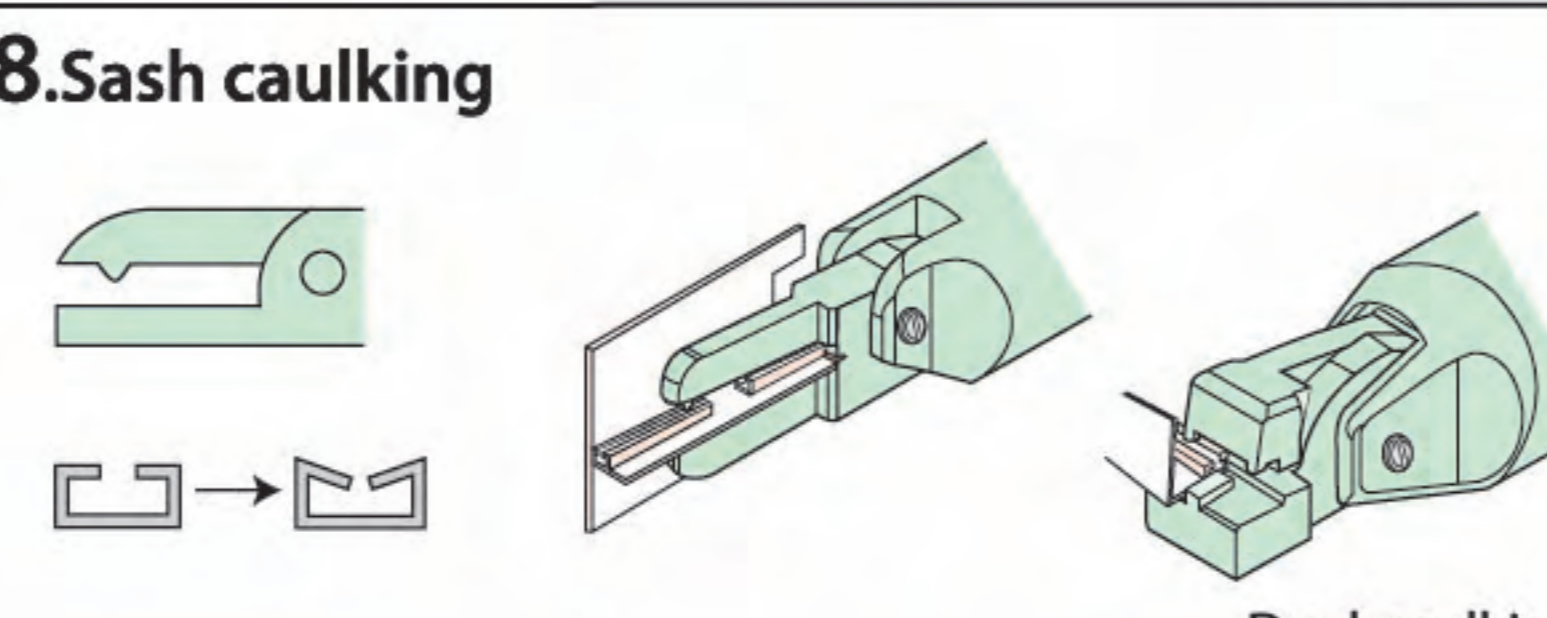
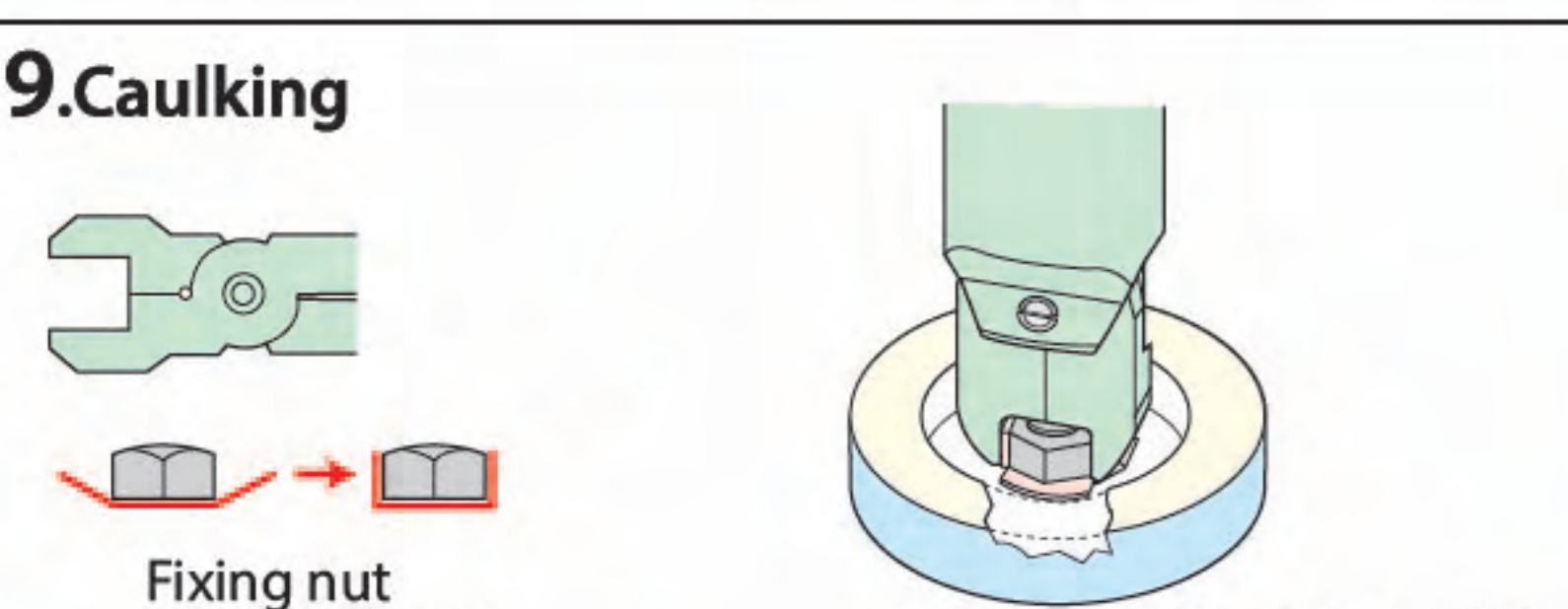
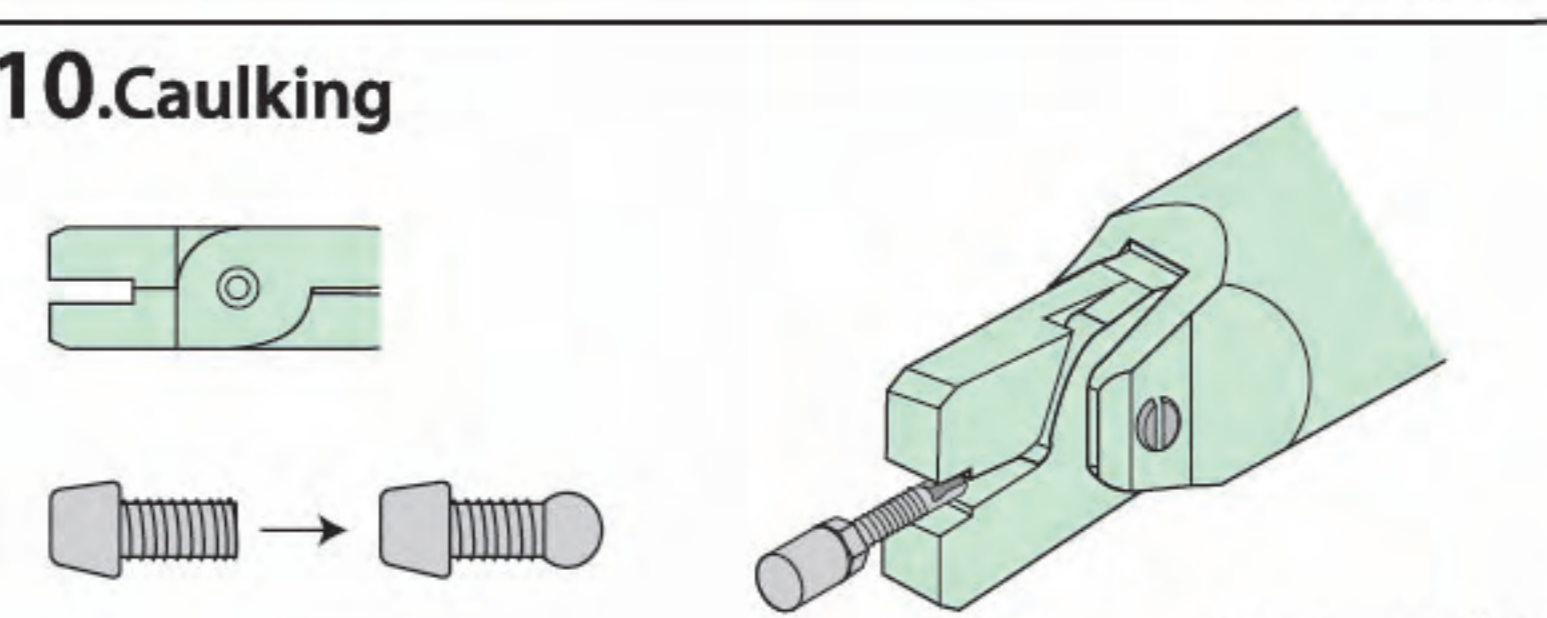
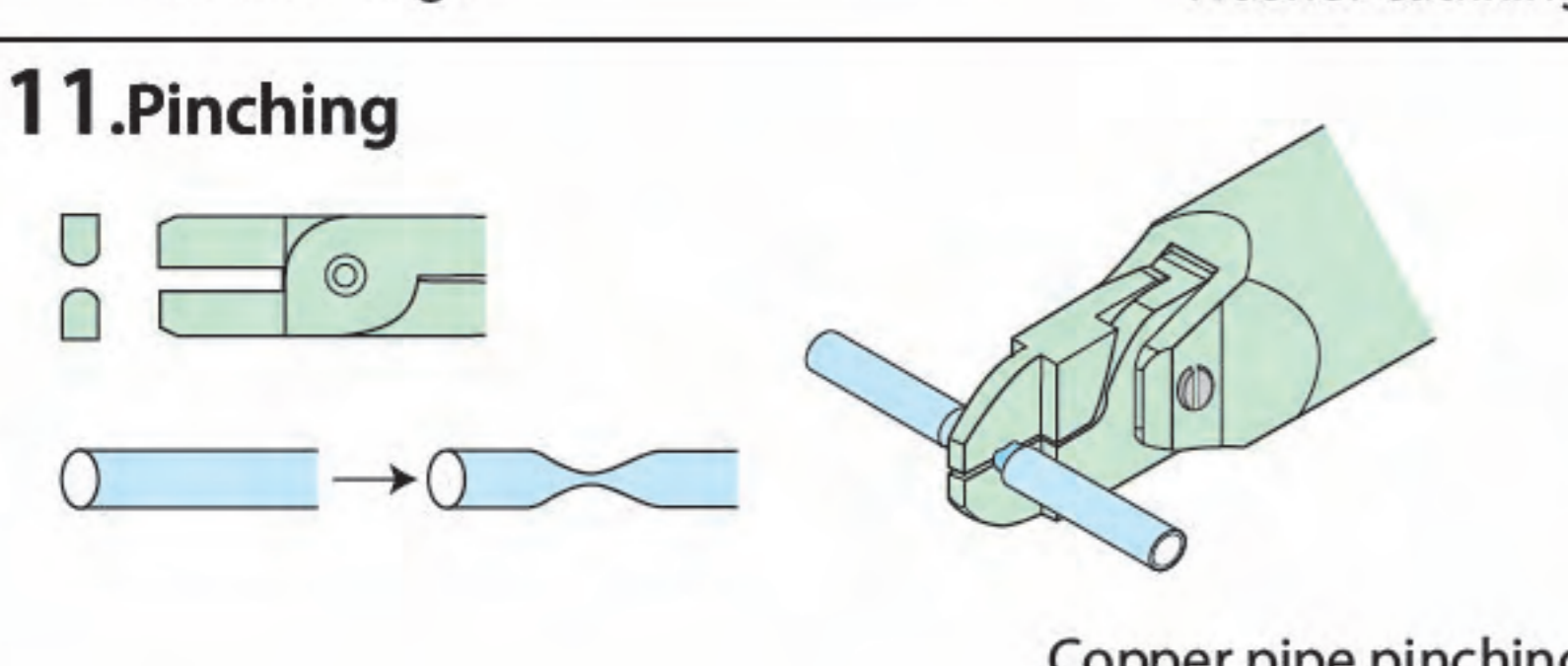
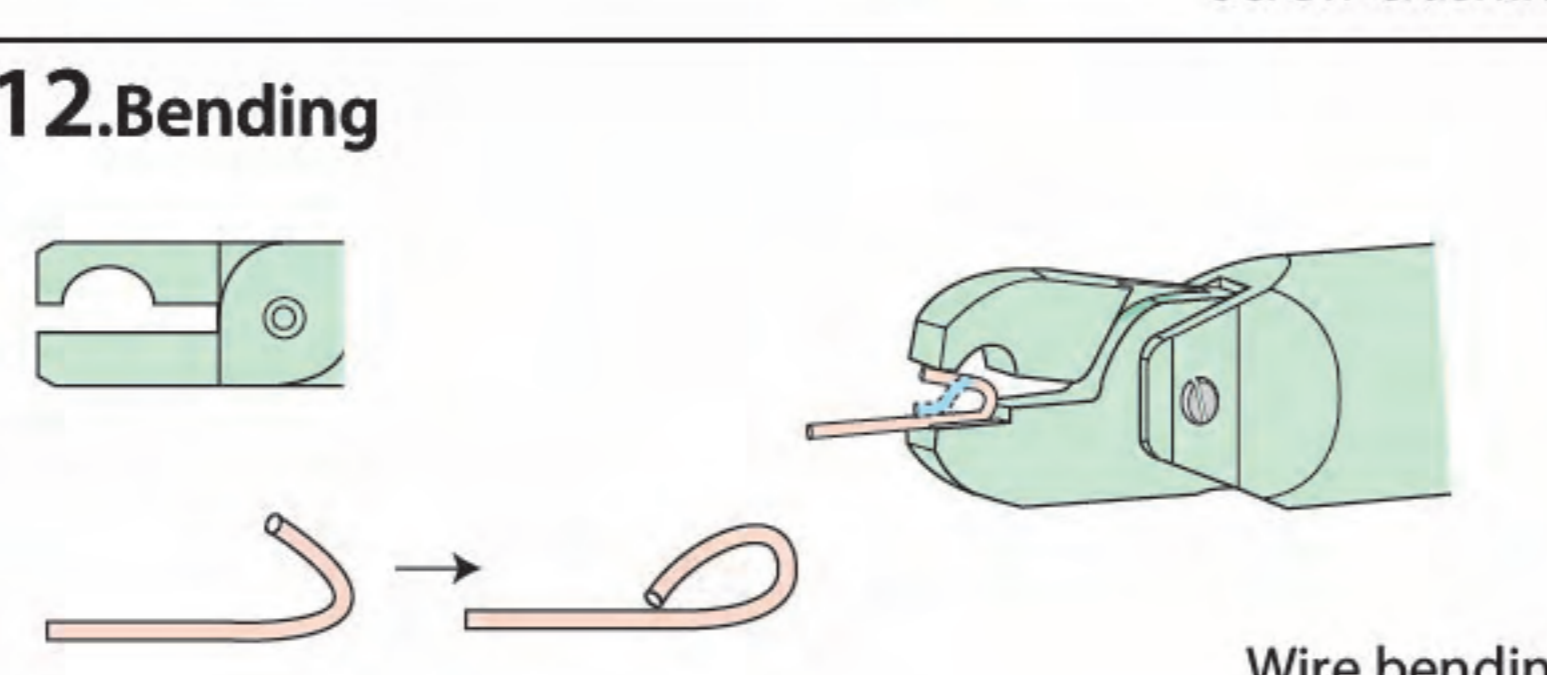
BLADES

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.

<p>1. Plastics cutting</p>  <p>"L" shape internal blade "L" shape external blade</p>	<p>2. Plastics cutting</p>  <p>Crank shape internal blade Crank shape external blade</p>
<p>3. Radius cutting of plastics</p>  <p>for radius cutting for radius cutting</p>	<p>4. Plastics cutting</p>  <p>"L" shape end cutting blade</p>
<p>5. Plastics cutting</p>  <p>Long nose blade</p>	<p>6. Pressing</p>  <p>Stretch-joining</p>
<p>7. Punching various holes</p> 	<p>8. Sash caulking</p>  <p>Dual caulking</p>
<p>9. Caulking</p>  <p>Fixing nut retainer rings Washer caulking</p>	<p>10. Caulking</p>  <p>Screw crashing</p>
<p>11. Pinching</p>  <p>Copper pipe pinching</p>	<p>12. Bending</p>  <p>Wire bending</p>



nile air tools

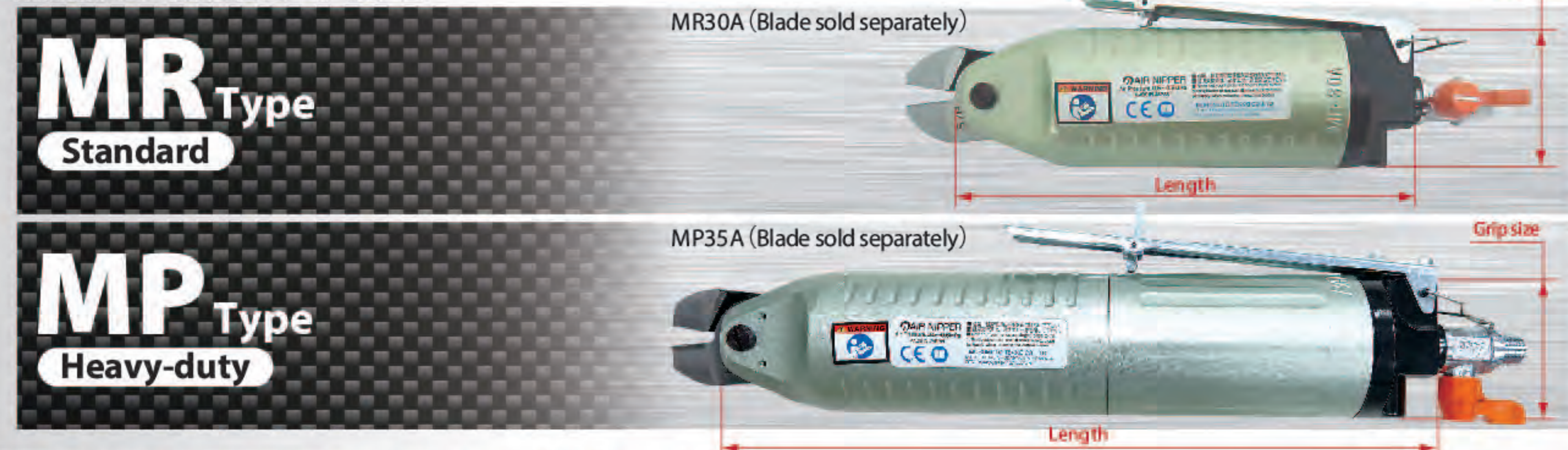
AIR NIPPERS

HAND-HELD TYPE



AIR NIPPERS (HAND-HELD TYPE)

HAND-HELD TYPE



MR type specification Hose coupling...G1/4 External thread

Model (less blade)	Length (mm)	Weight (g)	Grip size φ (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	
						Hose coupling	Body internal thread
MR3	112	90	20	31	0.4~0.5	G1/8	G1/4
MR5	104	130	30	41	0.4~0.5	G1/8	G1/4
MR10	124	200	36	105	0.4~0.5	G1/4	G1/4
MR20	139	340	45	268	0.5~0.6	G1/4	G1/4
MR30A	176	520	56	631	0.5~0.6	G1/4	G1/4
MR50FK	198	1,170	75	1,212	0.5~0.6	G1/4	G1/4
MR50AK	237	1,290	75	1,285	0.5~0.6	G1/4	G1/4

MP type specification Hose coupling...G1/4 External thread ※ Built to order

Model (less blade)	Length (mm)	Weight (g)	Grip size φ (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	
						Hose coupling	Body internal thread
MP3	173	120	20	48	0.3~0.4	G1/8	G1/4
MP5	154	200	30	68	0.3~0.4	G1/8	G1/4
MP10	195.5	300	36	171	0.3~0.4	G1/4	G1/4
※ MP25	204	480	45	405	0.5~0.6	G1/4	G1/4
※ MP250	250	560	45	624	0.5~0.6	G1/4	G1/4
MP25A	226	560	45	459	0.4~0.5	G1/4	G1/4
MP35A	268	830	56	1,146	0.5~0.6	G1/4	G1/4
MP55AK	370	2,000	75	2,569	0.5~0.6	G1/4	G1/4

MR type Blade cutting capacity (φmm)

Model	Blade (※) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MR3	S20, S20S, CR20, EP20, SD20	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, SD2	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, SD4	1.6	1.0	-	-	-	-	-
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-	-
	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	4.0	2.6
	Y4	-	-	-	-	-	-	-
MR20	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	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	-	-	-	-	-	10.0	6.5
	FEP10P	-	-	-	-	-	8.0	6.5
MR50FK	Y8P, K8P	-	-	-	-	-	-	-
	SH8P	-	-	-	-	-	-	-
	A8P-1.25, A8P-2.0	-	-	-	-	1.25/2.0	-	-
	AR8P-1.25, AR8P-2.0	-	-	-	-	1.25/2.0	-	-
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	-	-	-	-	-	-	-

▲ Adjuster for blade-opening ※ Built to order

★ Blade sold separately

Shapes & Dimensions of Standard Blades pp.5-10

Special Blades (Custom-made blades) pp.11-12

MP type Blade cutting capacity (φmm)

Model	Blade (※) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MP3	S20, S20S, CR20, EP20, SD20	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, SD2	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, SD4	1.6	1.0	-	-	-	-	-
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-	-
	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	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*, Z8P1S, ZCR8P1, ZEP10P1	4.0	3.2	2.3	1.2	-	-	-
	F9P1, F9P1S, FD9P1, F9P1S	-	-	-	-	-	8.0	6.5
MP25A	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	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	-	-	-	-	-	13.0	6.5
	FEP10P	-	-	-	-	-	8.0	6.5
MP55AK	Y8P, K8P, 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	-	-
	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 NIPPERS (HAND-HELD TYPE)

ONE SIDE FIXED-ONE ACTUATED

HAND-HELD TYPE



CP type specification

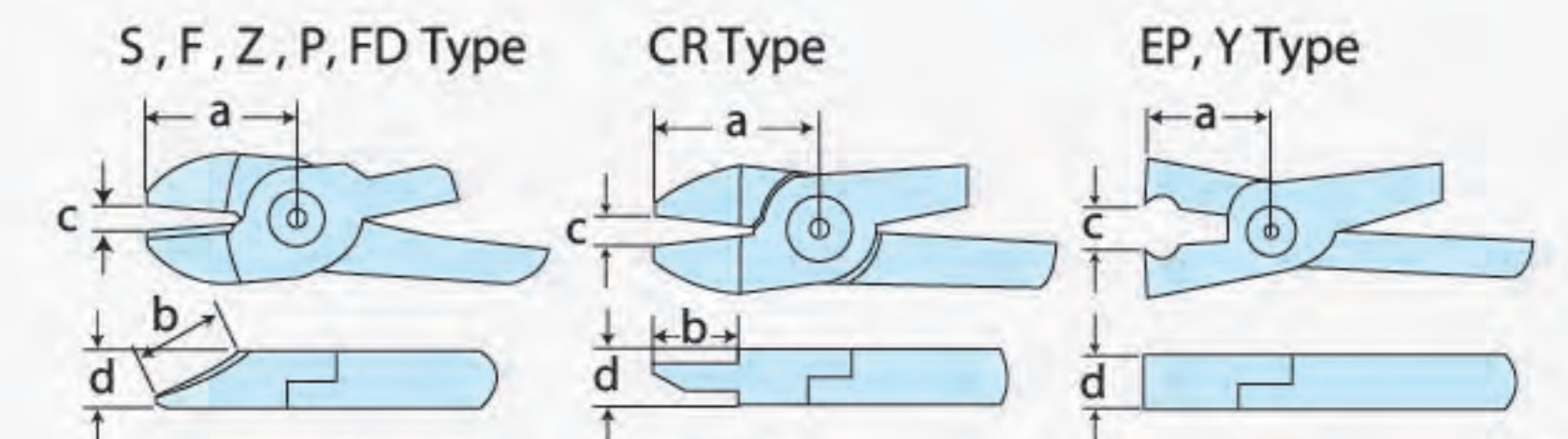
Model (less blade)	Length (mm)	Weight (g)	Grip size φ (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	
						Hose coupling	Body internal thread
CP20	154	400	45	227	0.5~0.6	G1/4	G1/4
CP20X	241	600	45	389	0.4~0.5	G1/4	G1/4
CP30	186	630	56	438	0.5~0.6	G1/4	G1/4
CP30X	278	940	56	876	0.5~0.6	G1/4	G1/4

Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

▲ Adjuster for blade-opening ★ Blade sold separately

CP type Blade cutting capacity

Model	Blade (※) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Plastic	(φmm)				
							Soft	Hard	a	b	c
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	-	-	-
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	-	-	-
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	-	-	-	-	-	-	-	-	-	-
	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	-	-	-	-	-	-	-	-	-	-	



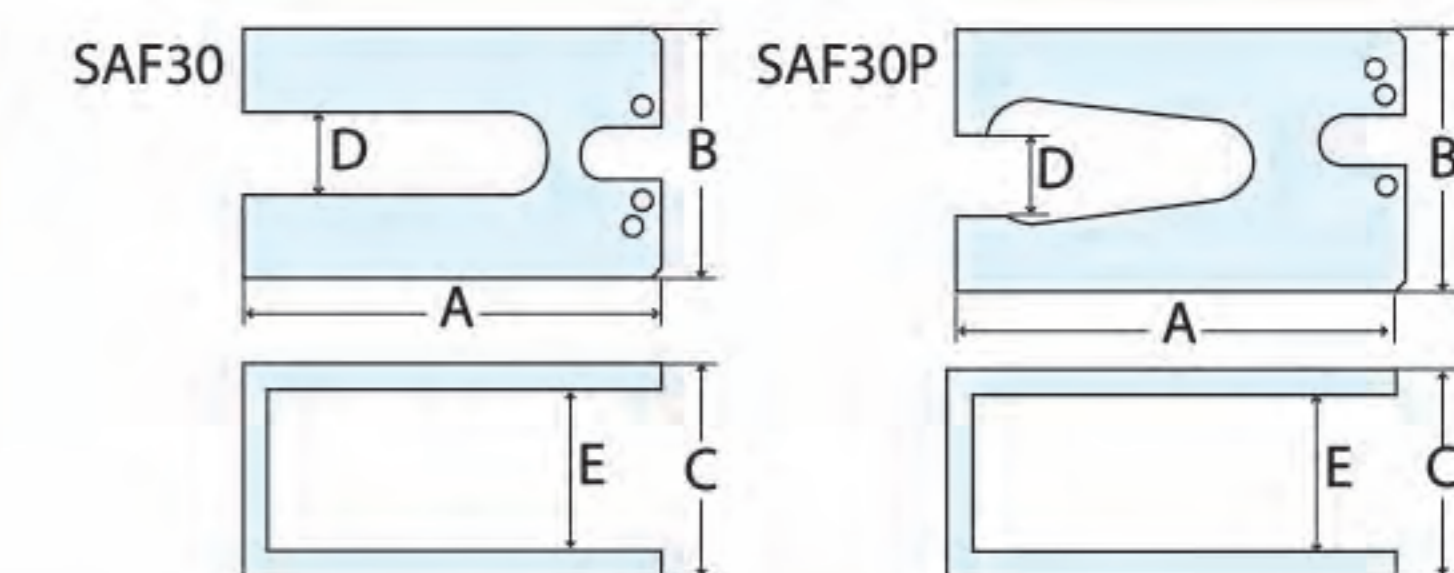
Blade	(mm)				Blade	(mm)			
	a	b	c	d		a	b	c	d
S500	35	17	6	12	S700	43	20	7	17
P600	28	11	5	12	P800	37	12	5	17
Z600	32	15	5	12	Z800	38	20	6	17
CR600	35	18	6	12	CR800	43	23	7	17
EP600	28	-	5	12	EP100	34	-	5	17
F500	35	15	7	12	F900	66	38	13	17
FD500	35	14	7	12	FD900	59	27	12	17
Y600	48	-	6	6	Y800	70	-	13	17

SAFETY COVER (BODY SOLD SEPARATELY)



Only MR.MP.CP30(35) type

Can be attached to the blade of air nippers to prevent injury. Additional work is required when attaching to older models.



Model (less blade)	Weight (g)	Dimensions (mm)					Blade
		A	B	C	D	E	
SAF30	40	88	48	41	16	31	S700, P800, EP100, CR800, F900X and all standard replacement blades for MR30A and MP35A (Except Y8P)
SAF30P	45	89	52	41	16	31	S900, F900, FD900, Y800, F9PX

AIR NIPPERS (HAND-HELD TYPE)

NIPPER FOR HOUSEHOLD PLANT STAKES Hard metals such as Stainless steel wire and piano wire cannot be cut.

HR12X Type

Compact and lightweight type with excellent workability



HR12X (Blade sold separately)

Two different types of cutting can be used. Diagonal cut for easy penetration into polyethylene pots. It is also easy to cut horizontally. The non-slip grip improves workability. Safety design to hold the pole after cutting. Urethane rubber firmly protects the operator and work piece.

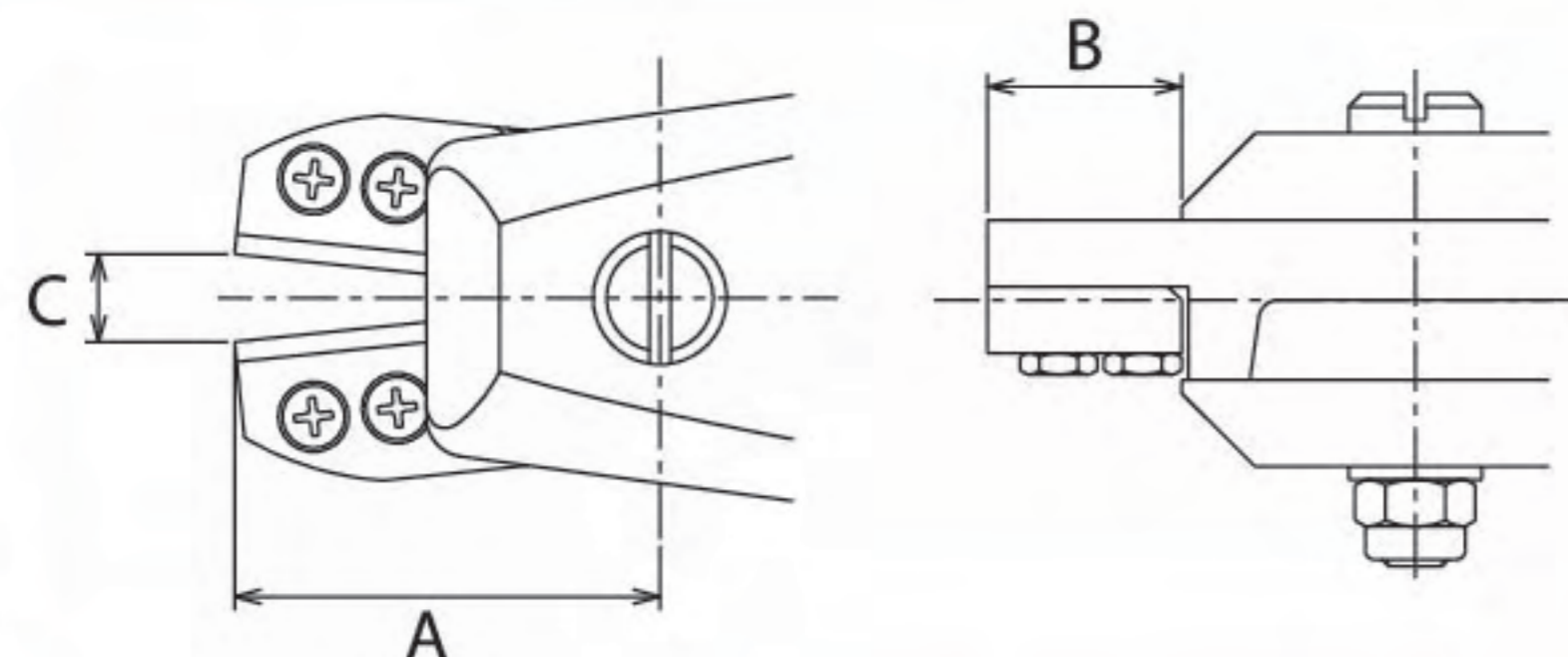
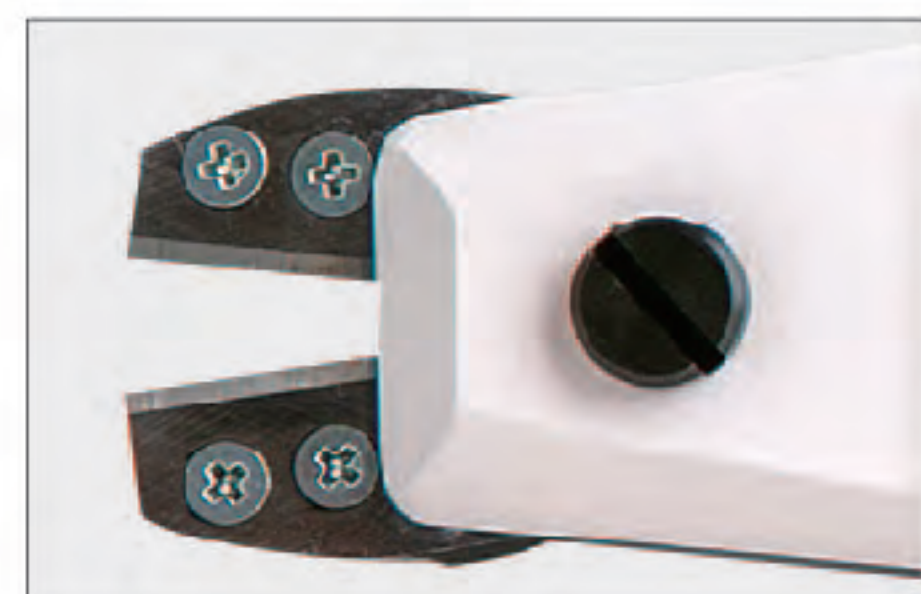
HR12X type specification

Model	Length (mm)	Weight (g)	Cutting capacity ϕ (mm)	Grip size ϕ (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	
							Hose coupling	Body internal thread
HR12X-P6RAN HR12X(less blade)	237	610	$\phi 4 \cdot \phi 3.2$	36	318	0.6~0.7	G1/4	G1/4



BLADE FOR STAKE NIPPER

P6RAN



Model	Dimensions (mm)			Section of blade
	A	B	C	
P6RAN	32	15	6.6	Standard



nile air tools

AIR NIPPERS

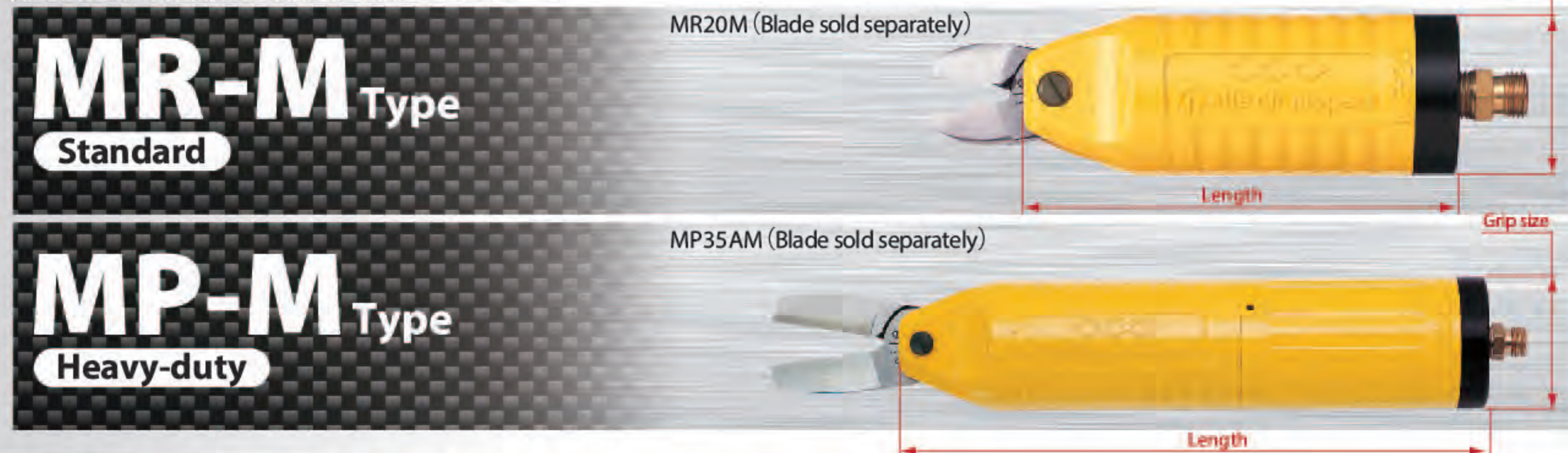
MACHINE-FITTING TYPE



AIR NIPPERS (MACHINE-FITTING TYPE)

Optimum for mounting on automatic machine

MACHINE-FITTING TYPE



MR-M type specification Hose coupling...G1/4 External thread

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	
						Hose coupling	Body internal thread
MR3M	101	70	20	31	0.4~0.5	G1/8	G1/4
MR5M	84	100	30	41	0.4~0.5	G1/8	G1/4
MR10M	105	160	36	105	0.4~0.5	G1/8	G1/4
MR20M	121	270	45	268	0.5~0.6	G1/4	G1/4
MR30AM	157	470	56	631	0.5~0.6	G1/4	G1/4
MR50FM	173	1,040	75	1,212	0.5~0.6	G1/4	G1/4
MR50AM	215	1,180	75	1,285	0.5~0.6	G1/4	G1/4

MP-M type specification Hose coupling...G1/4 External thread * Built to order

Model (less blade)	Length (mm)	Weight (g)	Grip size ϕ (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	
						Hose coupling	Body internal thread
MP3M	162	110	20	48	0.3~0.4	G1/8	G1/4
MP5M	134	170	30	68	0.3~0.4	G1/8	G1/4
MP10M	176.5	270	36	171	0.3~0.4	G1/8	G1/4
* MP25M	170	450	45	405	0.5~0.6	G1/4	G1/4
* MP25AM	208	480	45	459	0.4~0.5	G1/4	G1/4
MP250M	216	510	45	624	0.5~0.6	G1/4	G1/4
MP35AM	249	790	56	1,146	0.5~0.6	G1/4	G1/4
MP55AM	348	2,000	75	2,569	0.5~0.6	G1/4	G1/4

Shapes & Dimensions of Standard Blades pp.5-10

- * The body color is yellow only for MR20M and MR30AM.
- * The body color is yellow only for MP25AM and MP35AM.

* Blade sold separately * Built to order

MR-M type Blade cutting capacity

Model	Blade (*): Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MR3M	S20, S20S, CR20, EP20, SD20	0.8	0.4	-	-	-	-	-
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	-	-	-
MR5M	F10, F10S, FD10, FEP20	-	-	-	-	-	1.0	-
	S2, S2S, CR2, EP2, SD2	1.0	0.5	-	-	-	-	-
MR10M	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	-	-	-
	F1, F1S, FD1, FEP2	-	-	-	-	-	2.0	-
MR20M	S4, S4S, CR4, EP4, SD4	1.6	1.0	-	-	-	-	-
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-	-
MR30AM	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	4.0	2.6
	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-	-
MR50FM	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	7.0	5.0
MR50AM	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	-	-	-	-
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	-	-	-
MR50AM	F9P, F9PS, FD9P	-	-	-	-	-	10.0	6.5
	FEP10P	-	-	-	-	-	8.0	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	-	-	-
MR50AM	F120	-	-	-	-	-	11.0	8.0

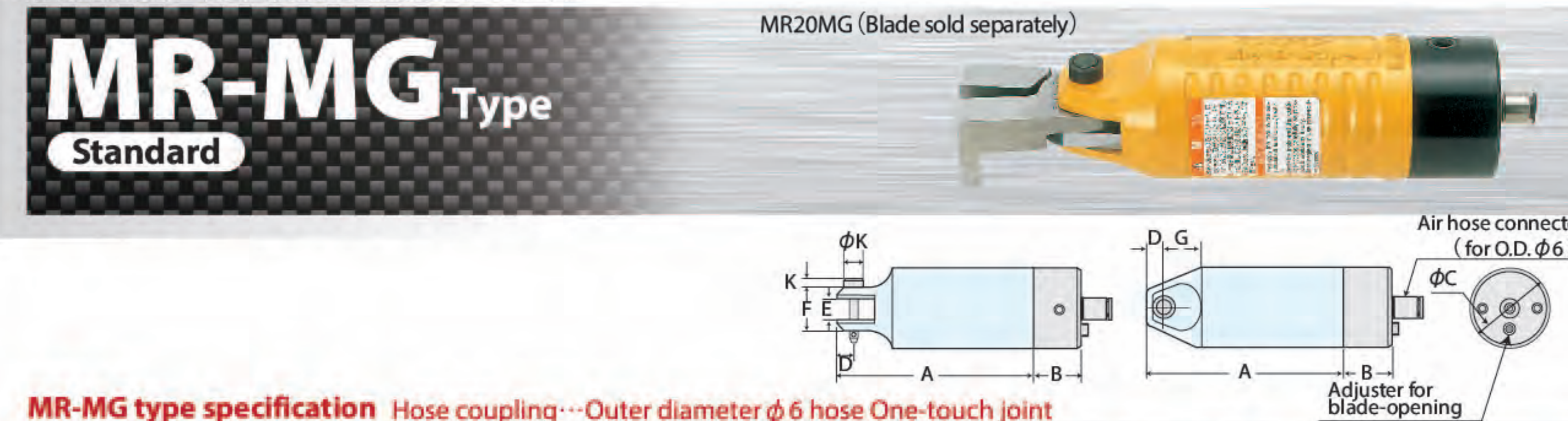
MP-M type Blade cutting capacity

Model	Blade (*): Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MP3M	S20, S20S, CR20, EP20, SD20	0.8	0.4	-	-	-	-	-
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	-	-	-
MP5M	F10, F10S, FD10, FEP20	-	-	-	-	-	1.0	-
	S2, S2S, CR2, EP2, SD2	1.0	0.5	-	-	-	-	-
MP10M	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	-	-	-
	F1, F1S, FD1, FEP	-	-	-	-	-	2.0	-
MP25M	S4, S4S, CR4, EP4, SD4	1.6	1.0	-	-	-	-	-
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-	-
MP250M	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	4.0	2.6
	S250, S250S, CR250	2.4	1.8	-	-	-	-	-
MP25AM	F250, F250S, FD250	-	-	-	-	-	8.0	5.0
	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-	-
MP25AM	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	7.0	5.0
MP250M	S7P1, S7P1S, P8P1, CR8P1, EP10P1	4.0	3.2	2.3	-	-	-	-
	Z8P1*, Z8P1S, ZCR8P1, ZEP10P1	4.0	3.2	2.3	1.2	-	-	-
MP250M	F9P1, F9P1S, FD9P1	-	-	-	-	-	8.0	6.5
	S7P, S7PS, P8P, CR8P, EP10P, P8PS	4.8	4.0	2.8	-	-	-	-
MP35AM	Z8P*, Z8PS, ZCR8P, ZEP10P	4.8	4.0	2.8	1.2	-	-	-
	F9P, F9PS, FD9P	-	-	-	-	-	12.0	6.5
MP35AM	FEP10P	-	-	-	-	-	8.0	6.5
	S120, S120S, P120, CR120, EP120	7.0	6.0	4.3	-	-	-	-

AIR NIPPERS (MACHINE-FITTING TYPE)

No tool is needed for blade replacement.

MACHINE-FITTING TYPE



MR-MG type specification Hose coupling...Outer diameter ϕ 6 hose One-touch joint

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	Dimensions (mm)										
					Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	J
MR20MG	338	268	0.5~0.6	G1/8	Outer diameter ϕ 6	109	27	45	9	12	23	22	-	11	5
MR30AMG	597	631	0.5~0.6	G1/8	Outer diameter ϕ 6	145	27	56	10	17	30	30	-	12	5

MR-MG type Blade cutting capacity

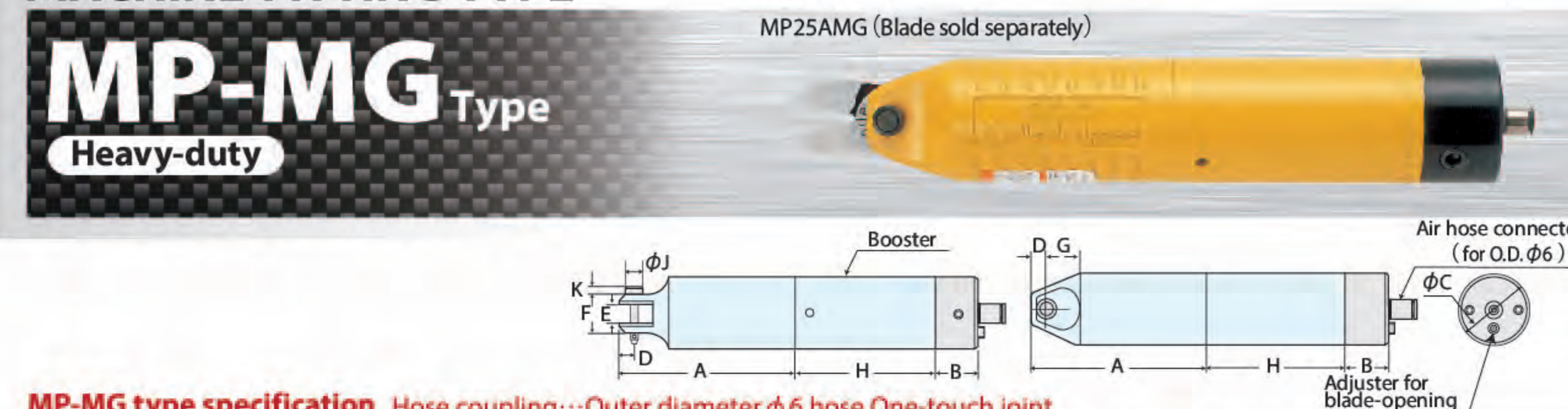
Model	Blade (*): Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic		Model	Blade (*): Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic		
							Soft	Hard								Soft	Hard	
MR20MG	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	-	-	-	-	MR30AMG	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	-	-	-	-	
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	Z8P*, Z8PS, ZCR8P, ZEP10P		3.3	2.8	2.0	1.2	-	-	-	-	
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	-	7.0		5.0	F9P, F9PS, FD9P	-	-	-	-	-	10.0	6.5
	Y6, K6	-	-	-	-	-	-	-		-	FEP10P	-	-	-	-	-	8.0	6.5
MR30AMG	S8P, K8P	-	-	-	-	-	-	-	MR30AMG	Y8P, K8P	-	-	-	-	-	-	-	
	SH8P	-	-	-	-	-	-	-		SH8P	-	-	-	-	-	-	-	-
	A8P-1.25, A8P-2.0	-	-	-	-	-	-	-		A8P-1.25, A8P-2.0	-	-	-	-	-	-	1.25/2.0	-
	AR8P-1.25, AR8P-2.0	-	-	-	-	-	-	-		AR8P-1.25, AR8P-2.0	-	-	-	-	-	-	1.25/2.0	-

* Blade sold separately

Shapes & Dimensions of Standard Blades pp.5-10

Special Blades (Custom-made blades) pp.11-12

MACHINE-FITTING TYPE



MP-MG type specification Hose coupling...Outer diameter ϕ 6 hose One-touch joint

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	Dimensions (mm)										
					Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	J
MP25AMG	560	459	0.4~0.5	G1/8	Outer diameter ϕ 6	109	27	45	9	12	23	22	87	11	5
MP35AMG	924	1,146	0.5~0.6	G1/8	Outer diameter ϕ 6	145	27	56	10	17	30	30	92	12	5

MP-MG type Blade cutting capacity

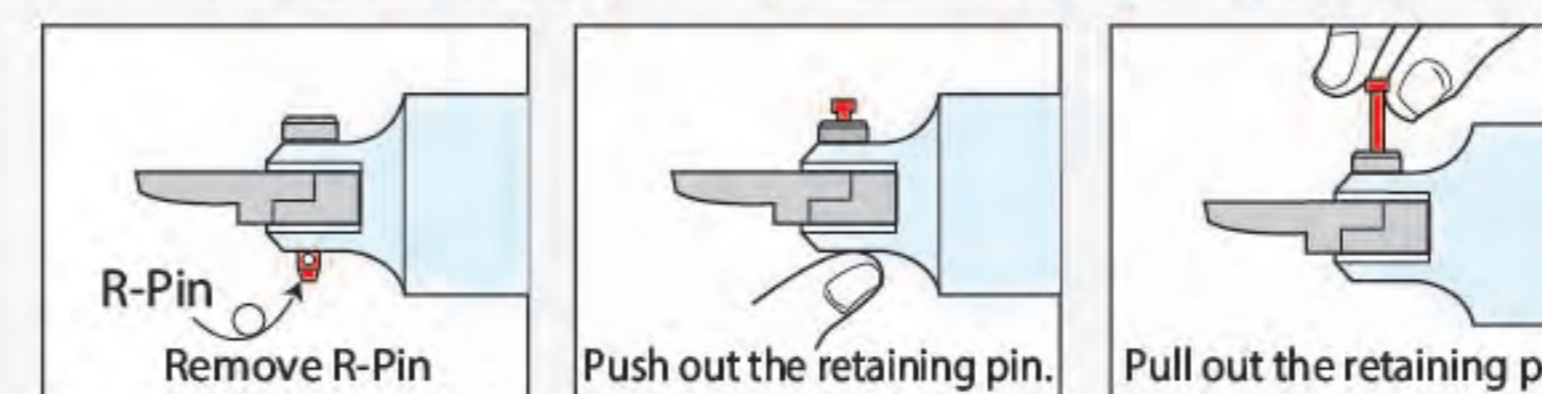
Model	Blade (*): Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic		Model	Blade (*): Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic		
							Soft	Hard								Soft	Hard	
MP25AMG	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	-	-	-	-	MP35AMG	S7P, S7PS, P8P, CR8P, EP10P, P8PS	4.8	4.0	2.8	-	-	-	-	
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	Z8P*, Z8PS, ZCR8P, ZEP10P		4.8	4.0	2.8	1.2	-	-	-	-	
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	-	7.0		5.0	F9P, F9PS, FD9P	-	-	-	-	-	13.0	6.5
	Y6, K6	-	-	-	-	-	-	-		-	FEP10P	-	-	-	-	-	8.0	6.5
MP35AMG	S8P, K8P	-	-	-	-	-	-	-	MP35AMG	Y8P, K8P	-	-	-	-	-	-	-	
	SH8P	-	-	-	-	-	-	-		SH8P	-	-	-	-	-	-	-	-
	A8P-1.25, A8P-2.0	-	-	-	-	-	-	-		A8P-1.25, A8P-2.0	-	-	-	-	-	-	1.25/2.0	-
	AR8P-1.25, AR8P-2.0	-	-	-	-	-	-	-		AR8P-1.25, AR8P-2.0	-	-	-	-	-	-	1.25/2.0	-

* Blade sold separately

Shapes & Dimensions of Standard Blades pp.5-10

Special Blades (Custom-made blades) pp.11-12

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 NIPPERS <MACHINE-FITTING TYPE>

ONE SIDE FIXED-ONE ACTUATED

MACHINE-FITTING TYPE



CP-M type specification

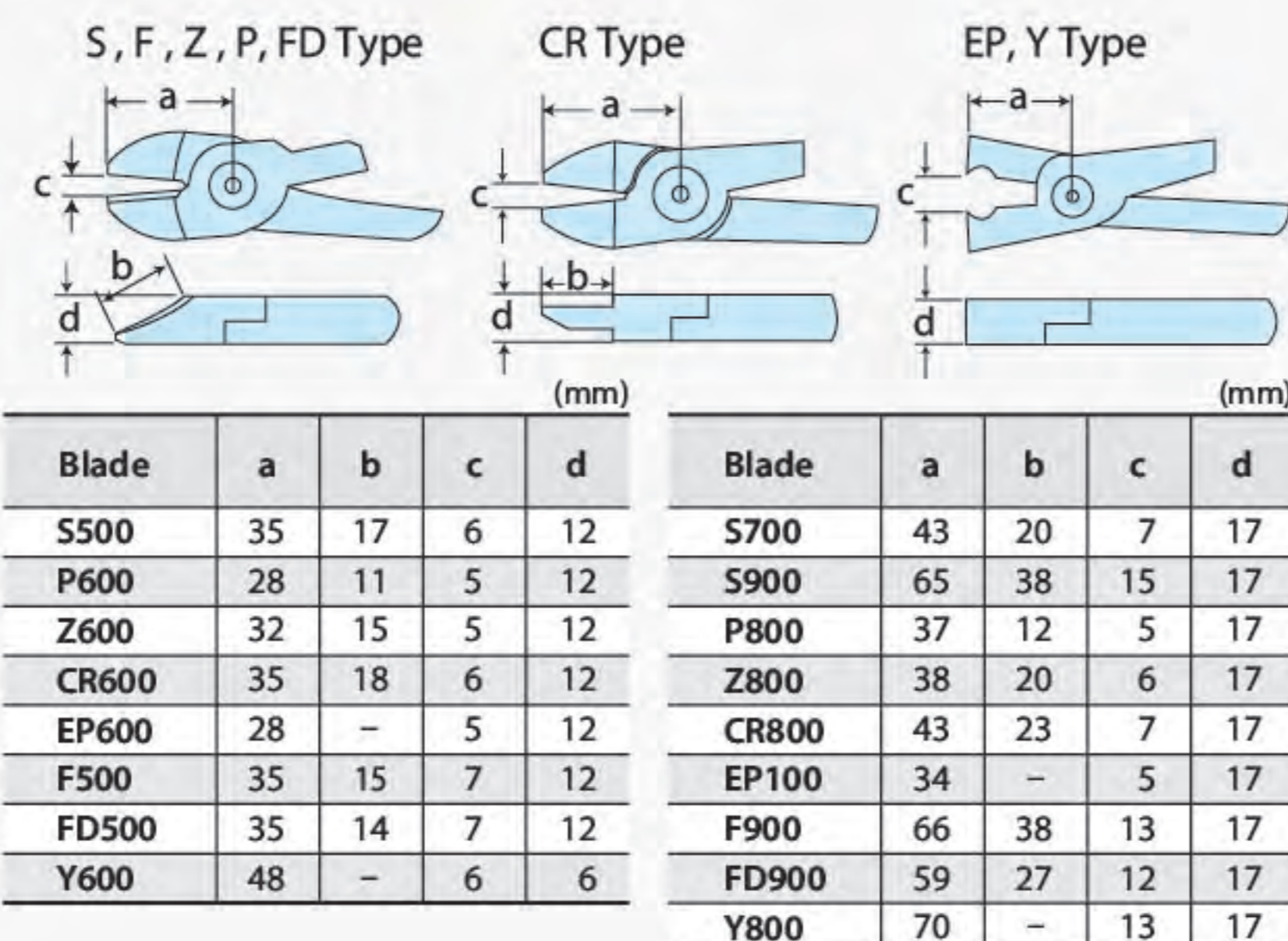
Model (less blade)	Length (mm)	Weight (g)	Grip size φ (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	
						Hose coupling	Body internal thread
CP20M	136	400	45	227	0.5~0.6	G1/4	G1/4
CP20XM	223	600	45	389	0.4~0.5	G1/4	G1/4
CP30M	167	630	56	438	0.5~0.6	G1/4	G1/4
CP30XM	259	940	56	876	0.5~0.6	G1/4	G1/4

Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

★ Blade sold separately

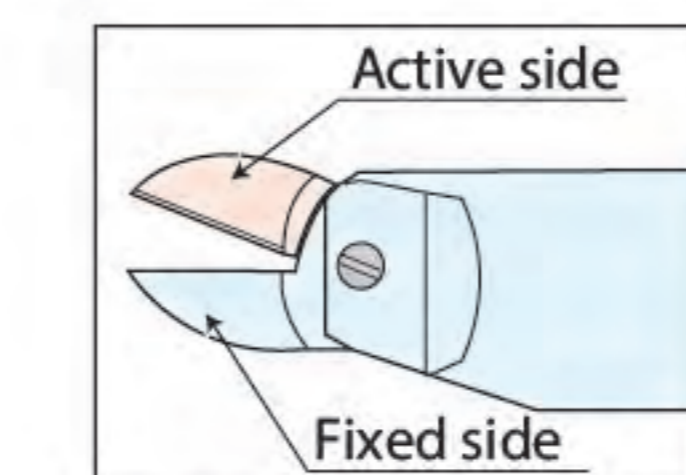
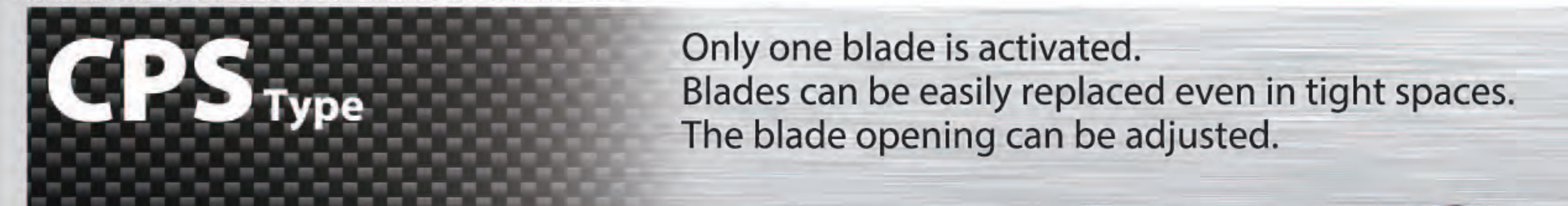
CP-M type Blade cutting capacity

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Plastic	
						Soft	Hard
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	-	-	-	-	-	-
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	-	-	-	-	-	-
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	-	-	-	-	-	-
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	-	-	-	-	-	-



AIR NIPPERS <MACHINE-FITTING TYPE>

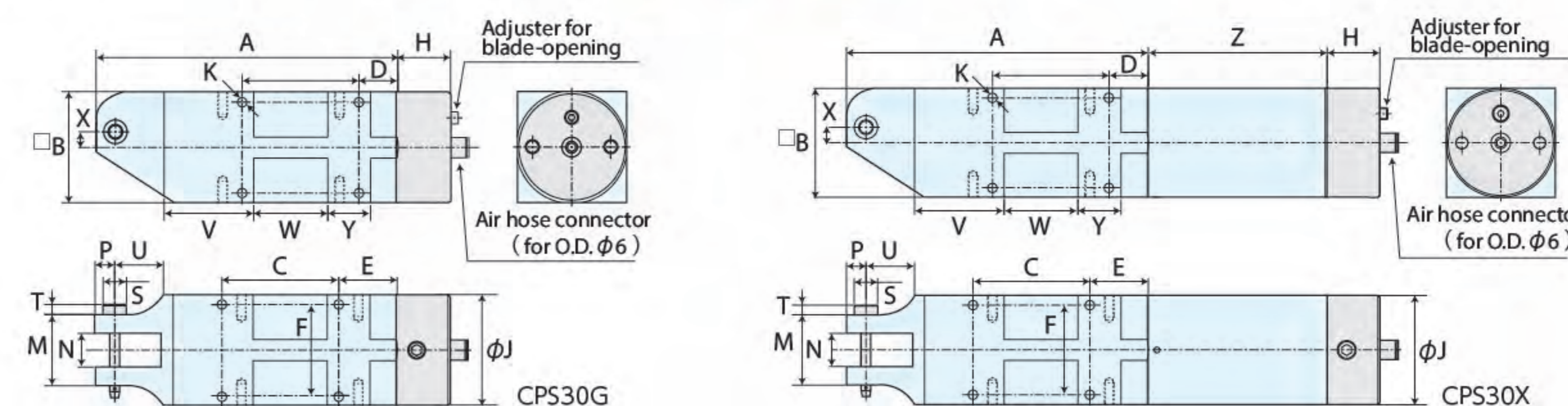
SINGLE-BLADE ACTUATED



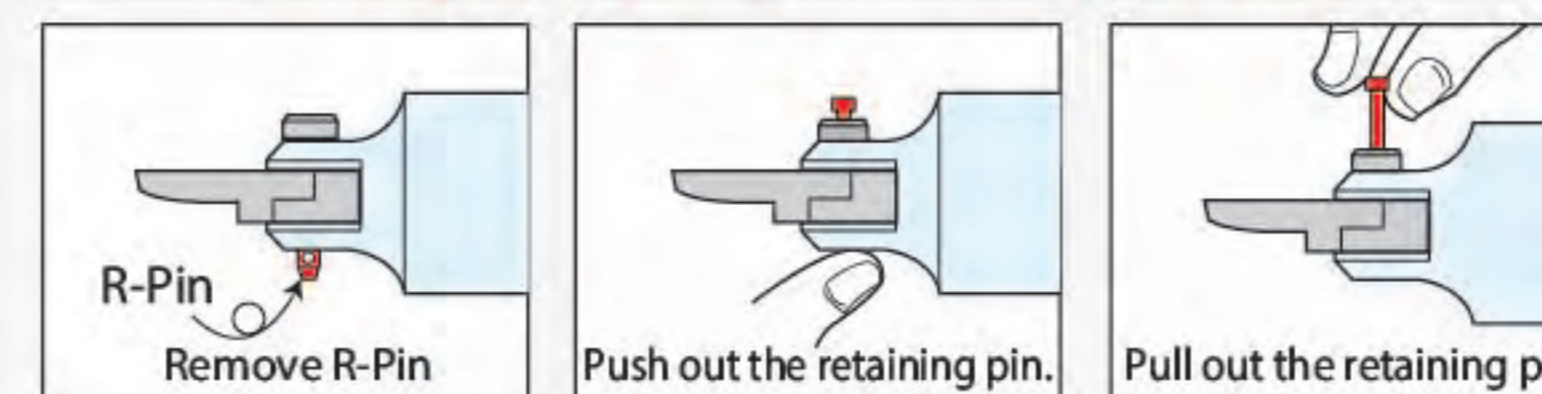
Only one blade is activated.



CPS30X (Blade sold separately)



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.)

CPS type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)																			
				Hose coupling	Body internal thread	A	B	C	D	E	F	H	J	K	M	N	P	S	T	U	V	W	X	Y	Z
CPS30G	875	438	0.5~0.6	G1/8	Outer diameter φ6	155	56	60	20	30	46	27	56	M5	36	17	10	12	5	25	46	38	8	22	
CPS30X	1,210	876	0.5~0.6	G1/8	Outer diameter φ6	155	56	60	20	30	46	27	56	M5	36	17	10	12	5	25	46	38	8	22	92

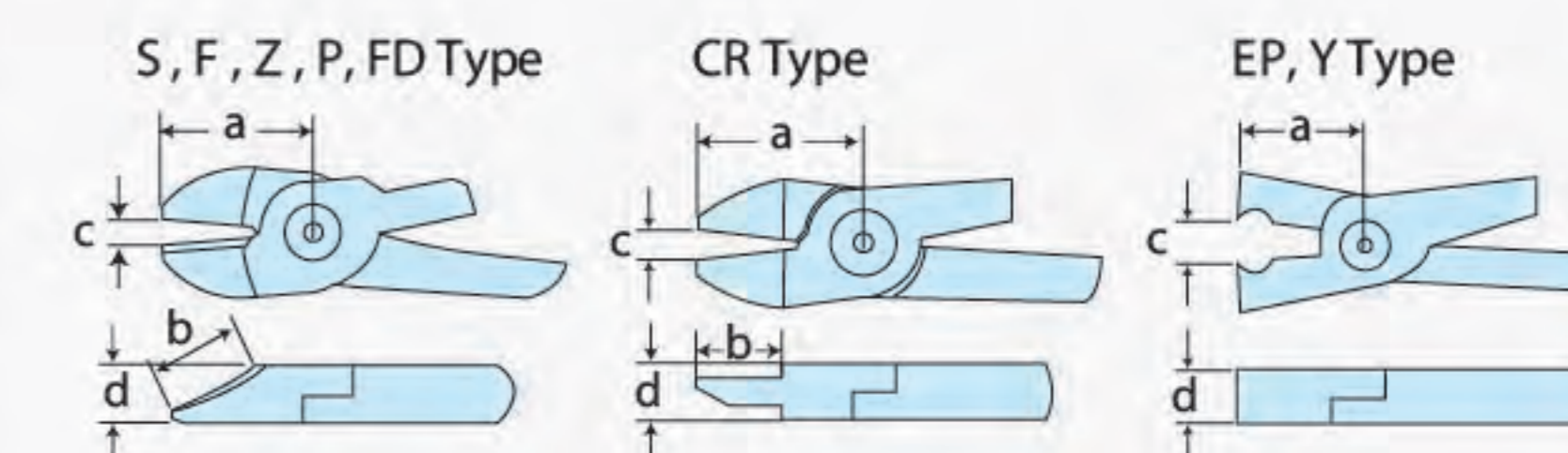
Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

★ Blade sold separately

CPS type Blade cutting capacity

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Plastic	
						Soft	Hard
CPS30G	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	-	-	-	-	-	-
CPS30X	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	-	-	-	-	-	-

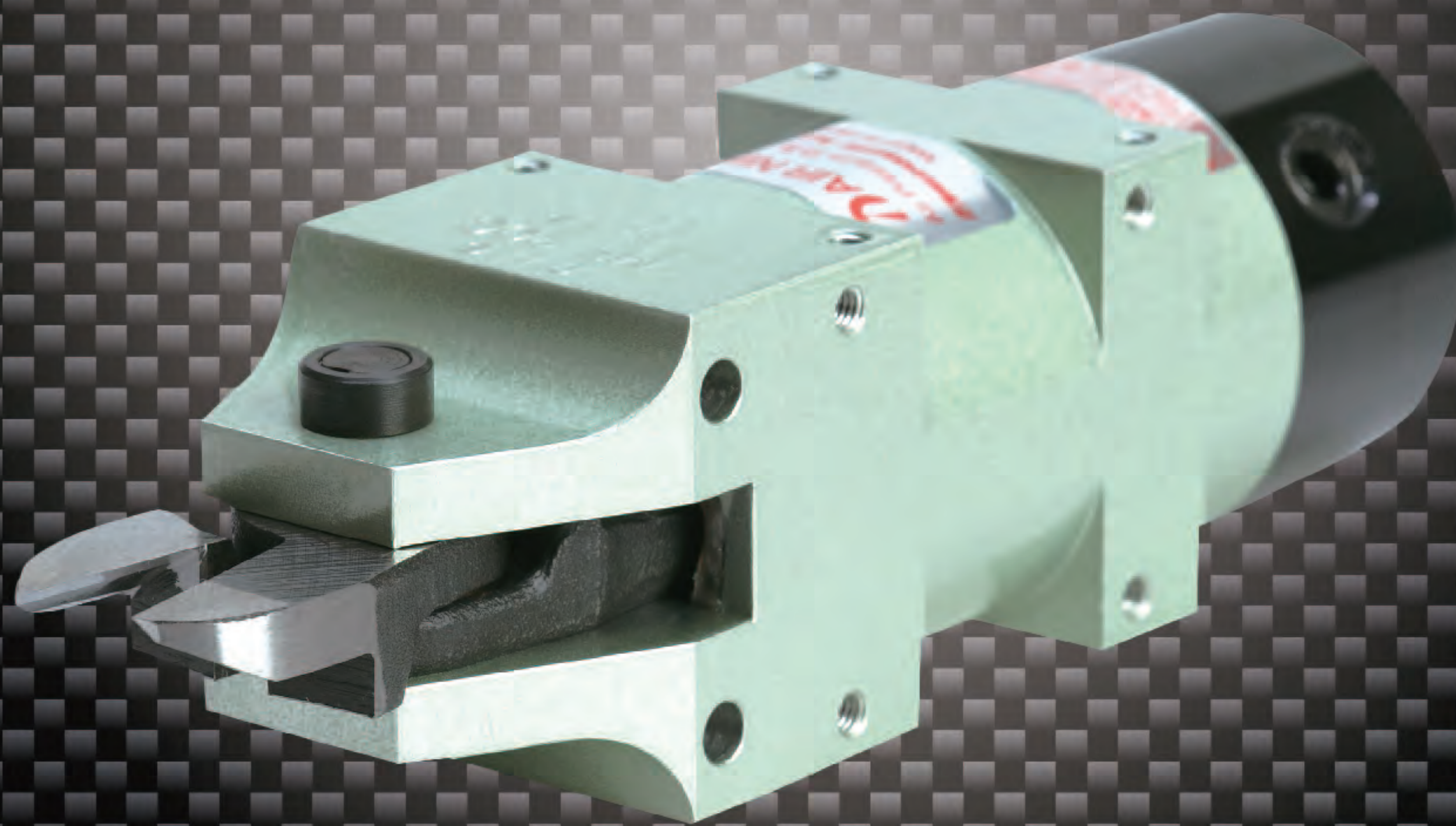
Blade	a	b	c	d
S700	43	20	7	17
S900	65	38	15	17
P800	37	12	5	17
Z800	38	20	6	17
CR800	43	23	7	17
EP100	34	-	5	17
F900	66	38	13	17
FD900	59	27	12	17
Y800	70	-	13	17





nile air tools

SQUARE AIR NIPPERS



SQUARE AIR NIPPERS

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

MACHINE-FITTING TYPE

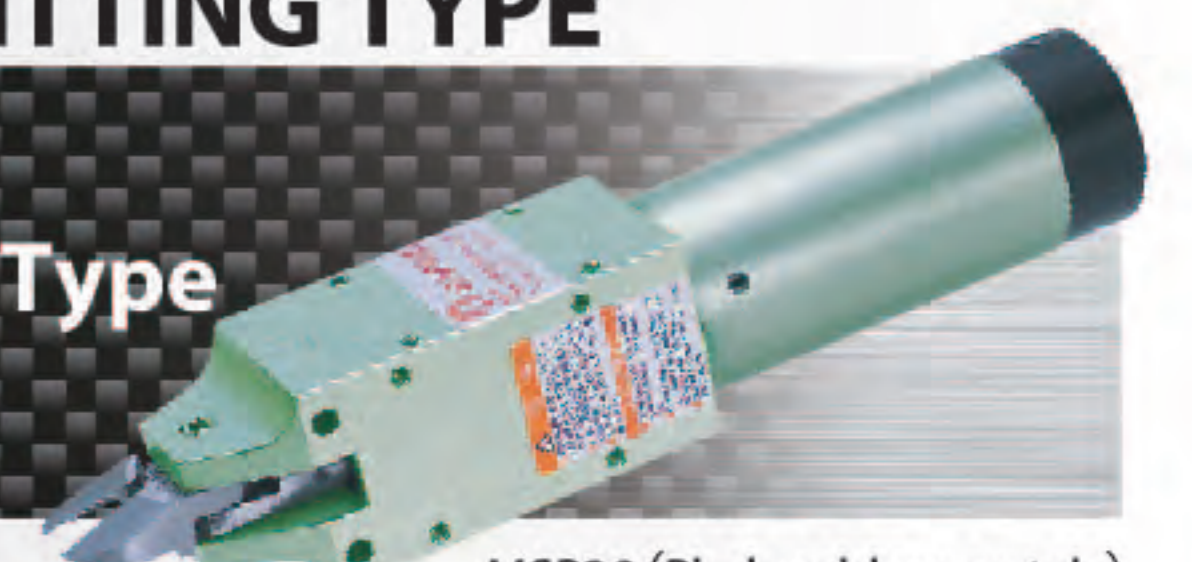
MS Type
Standard



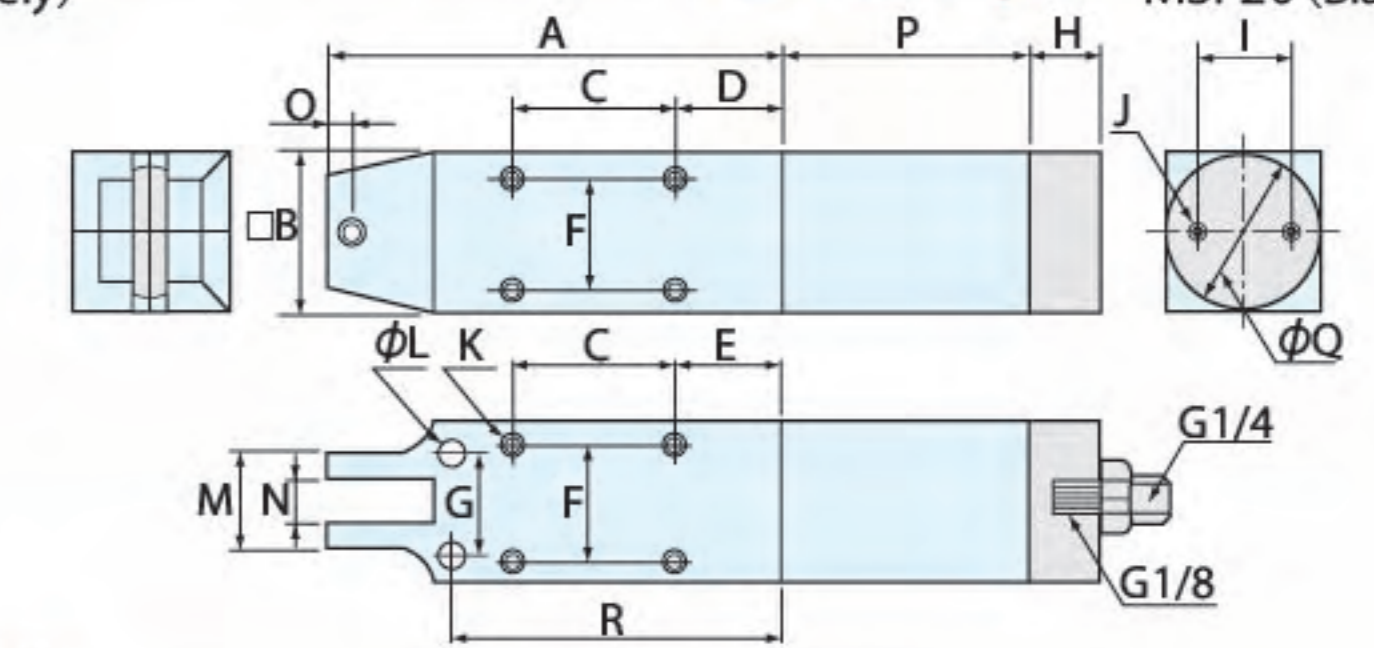
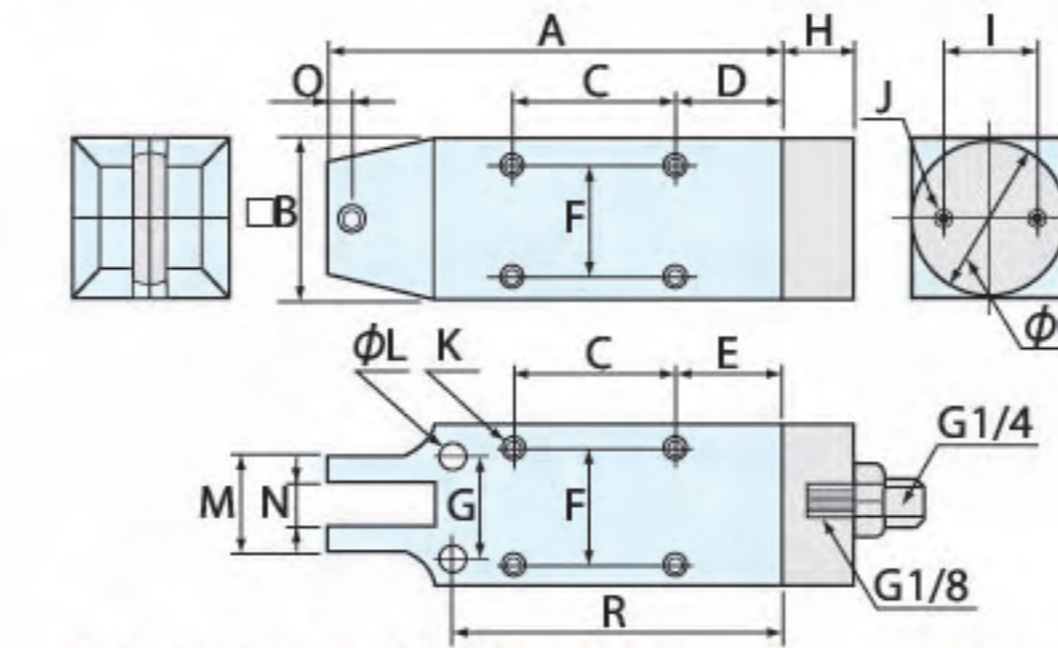
MS10 (Blade sold separately)

MACHINE-FITTING TYPE

MSP Type
Heavy-duty



MSP20 (Blade sold separately)



MS type specification ※ Nipple is not attached to the main unit.

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Body Internal thread	Dimensions (mm)																	
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
MS3	100	31	0.4~0.5	G1/8	89	20	40	19	24	16	14	21	14	M3	M3	3.3	20	7	7	-	19	71
MS5	160	56	0.4~0.5	G1/8	74	30	30	14	19	24	20	20	20	M4	M3	4.3	20	7	7	-	29	55
MS10	260	105	0.4~0.5	G1/8	93	36	30	18	23	28	28	20	24	M4	M4	4.3	20	9	7	-	35	65
MS20	430	268	0.5~0.6	G1/8	109	45	40	19	24	36	30	20	30	M5	M4	5.3	26	12	9	-	44	81
MS30	810	631	0.5~0.6	G1/8	150	56	60	20	30	46	40	20	40	M6	M5	5.3	36	17	15	-	55	110
MS50	1,620	1,285	0.5~0.6	G1/8	200	75	80	40	50	62	-	24	-	M8	-	43	25	15	-	-	74.5	-
MS50F	1,680	1,212	0.5~0.6	G1/8	150	75	65	20	30	62	-	40	60	M6	M8	-	31	17	14	-	74	-

MSP type specification ※ Nipple is not attached to the main unit.

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Body Internal thread	Dimensions (mm)																	
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
MSP3	130	48	0.3~0.4	G1/8	89	20	40	19	24	16	14	21	14	M3	M3	3.3	20	7	7	61	119	71
MSP5	220	94	0.3~0.4	G1/8	74	30	30	14	19	24	20	20	20	M4	M3	4.3	20	7	7	50	29	55
MSP10	360	174	0.3~0.4	G1/8	93	36	30	18	23	28	28	20	24	M4	M4	4.3	20	9	7	71	35	65
MSP20	650	459	0.4~0.5	G1/8	109	45	40	19	24	36	30	20	30	M5	M4	5.3	26	12	9	87	44	81
MSP30	1,220	1,146	0.5~0.6	G1/8	150	56	60	20	30	46	40	20	40	M6	M5	5.3	36	17	15	92	55	110
MSP50	1,440	2,569	0.5~0.6	G1/8	200	75	80	40	50	62	-	24	-	M8	-	43	25	15	133	74.5	-	-

○MSP3, MSP5 and MSP10 should be used at low pressure (0.3~0.4 Mpa). Use at 0.4Mpa or higher may damage the blade.

Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

★ Blade sold separately

MS type Blade cutting capacity

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic (φmm)	
							Soft	Hard
MS3	S20, S20S, CR20, EP20, SD20	0.8	0.4	-	-	-	-	-
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	-	-	-
MS5	F10, F10S, FD10, FEP20	-	-	-	-	-	1.0	-
	S2, S2S, CR2, EP2, SD2	1.0	0.5	-	-	-	-	-
MS5	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	-	-	-
	F1, F1S, FD1, FEP2	-	-	-	-	-	2.0	-
MS10	S4, S4S, CR4, EP4, SD4	1.6	1.0	-	-	-	-	-
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-	-
MS10	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	4.0	2.6
	Y4	-	-	-	-	-	-	-
MS20	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	-	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.0	1.0	-	-	-
MS20	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	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	-	-	-
MS30	F9P, F9PS, FD9P	-	-	-	-	-	10.0	6.5
	FEP10P	-	-	-	-	-	8.0	6.5
MS30	Y8P, K8P	-	-	-	-	-	-	-
	SH8P	-	-	-	-	-	-	-
MS50	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	-	-	-
MS50	Y120	-	-	-	-	-	-	-
	F9PF, FD9PF	-	-	-	-	-	12.0	6.5

MSP type Blade cutting capacity

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic (φmm)	
							Soft	Hard
MSP3	S20, S20S, CR20, EP20, SD20	0.8	0.4	-	-	-	-	-
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	-	-	-
MSP3	F10, F10S, FD10, FEP20	-	-	-	-	-	1.0	-
	S2, S2S, CR2, EP2, SD2	1.0	0.5	-	-	-	-	-
MSP5	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	-	-	-
	F1, F1S, FD1, FEP2	-	-	-	-	-	2.0	-
MSP10	S4, S4S, CR4, EP4, SD4	1.6	1.0	-	-	-	-	-
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-	-
MSP10	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	4.0	2.6
	Y4	-	-	-	-	-	-	-
MSP20	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	-	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.0	1.0	-	-	-
MSP20	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	7.0	5.0
	Y6, K6	-	-	-	-	-	-	-
MSP30	S7P, S7PS, P8P, CR8P, EP10P, P8PS	4.8	4.0	2.8	-	-	-	-
	Z8P*, Z8PS, ZCR8P, ZEP10P	4.8	4.0	2.8	1.2	-	-	-
MSP30	F9P, F9PS, FD9P	-	-	-	-	-	13.0	6.5
	FEP10P	-	-	-	-	-	8.0	6.5
MSP30	Y8P, K8P	-	-	-	-	-	-	-
	SH8P	-	-	-	-	-	-	-
MSP50	A8P-1.25/2.0/5.5, A8WP-1.25-2.0/2.0-5.5	-	-	-	-	-	125/20/55	-
	AR8P-1.25/2.0/5.5, AR8WP-1.25-2.0/2.0-5.5	-	-	-	-	-	125/20/55	-
MSP50	S120, S120S, P120, CR120, EP120	7.0	6.0	4.3	-	-	-	-
	Z120*, Z120S, ZCR120, ZEP120	7.0	6.0	4.3	2.0	-	-	-
MSP50	Y120	-	-	-	-	-	11.0	8.0
	F120	-	-	-	-	-	-	-

SQUARE AIR NIPPERS

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

MACHINE-FITTING TYPE

MS-G Type Standard



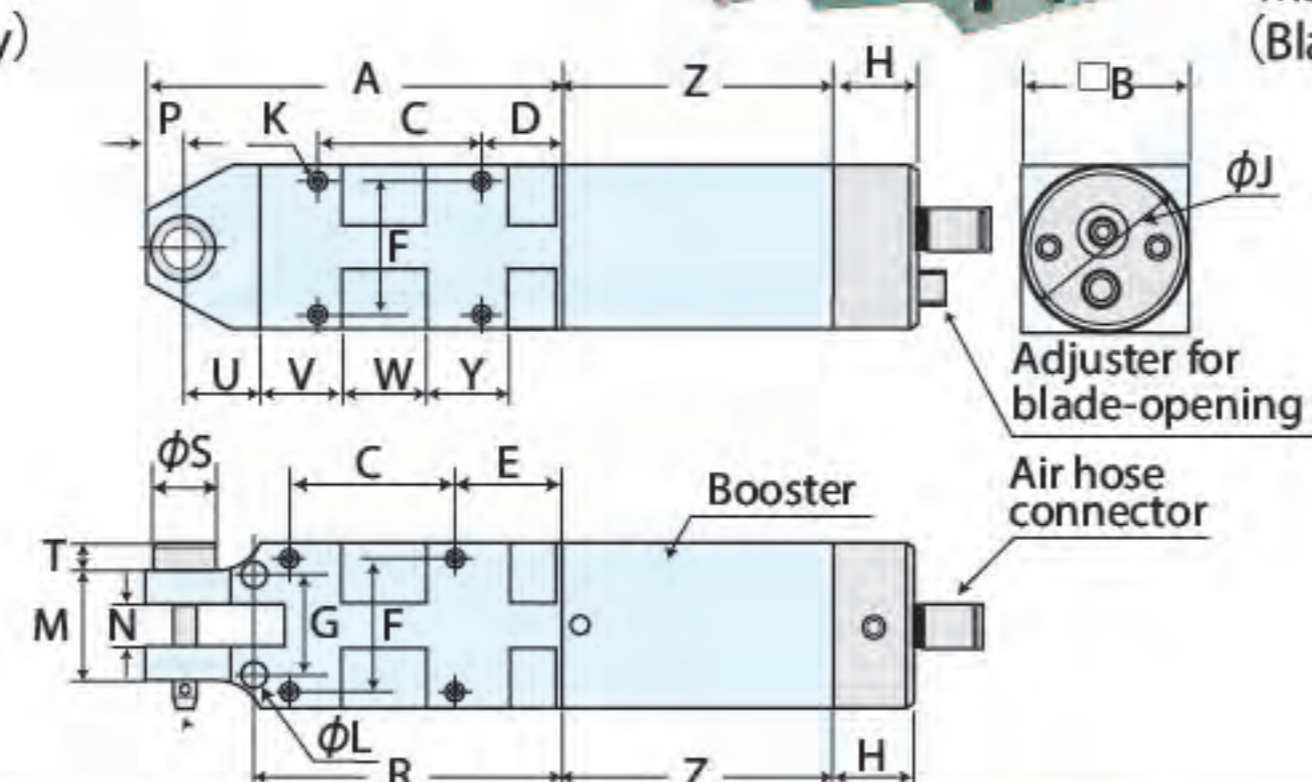
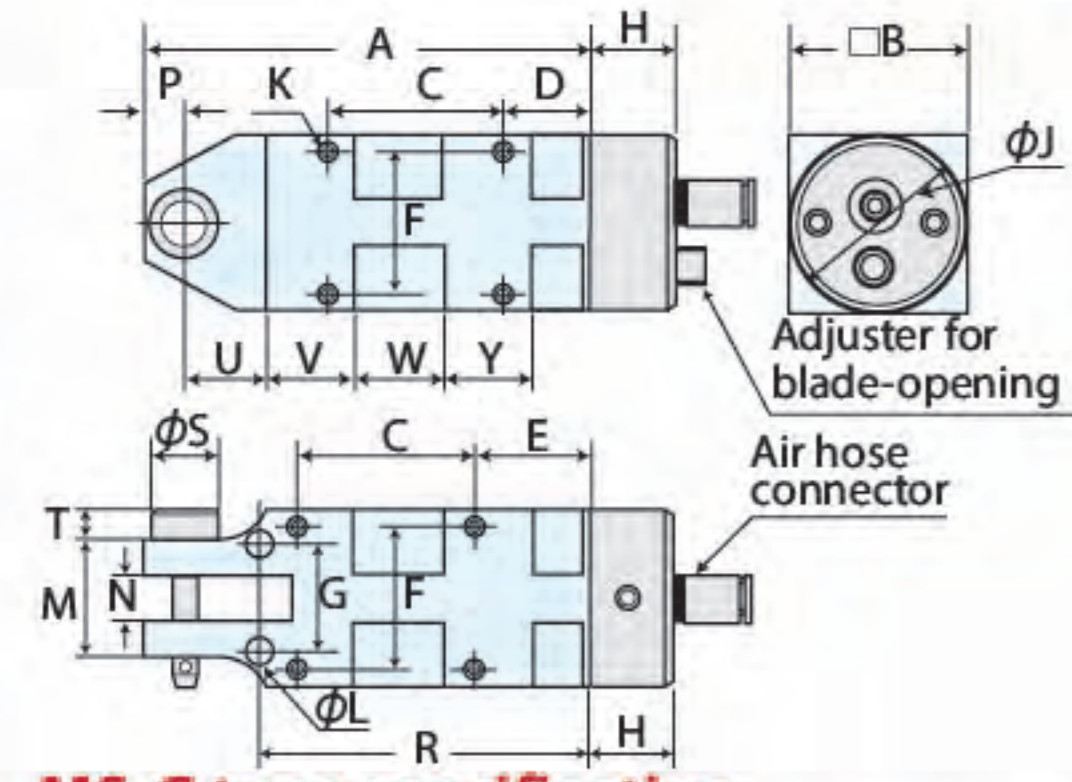
MS30G
(Blade sold separately)

MACHINE-FITTING TYPE

MSP-G Type Heavy-duty



MSP30G
(Blade sold separately)



MS-G type specification

Model (less blade)	Weight (g)	Airconsumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)																					
				Hose coupling	Body internal thread	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	0.4~0.5	MSP=0.8	φ4	89	20	40	19	24	16	14	12	20	M3	3.3	20	7	7	7	11	5	3	25	25	15	-
MS5G	141	56	0.4~0.5	MSP=0.8	φ4	74	30	30	14	19	24	18	15	30	M3	4.3	20	7	7	5	4	11	5	13	15	15	15
MS10G	254	105	0.4~0.5	G1/8	φ6	93	36	30	18	23	28	28	24	36	M4	4.3	23	9	7	6	5	11	5	16	27	15	15
MS10AG	248	122	0.5~0.6	G1/8	φ6	93	36	30	18	23	28	28	24	36	M4	4.3	26	12	7	6	5	11	5	16	27	15	15
MS20G	425	268	0.5~0.6	G1/8	φ6	109	45	40	19	24	36	30	27	45	M4	5.3	26	12	9	8	11	5	15	31	25	15	
MS30G	788	631	0.5~0.6	G1/8	φ6	150	56	60	20	30	46	40	27	56	M5	5.3	36	17	15	11	10	12	5	20	41	38	22

MSP-G type specification

Model (less blade)	Weight (g)	Airconsumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)																					
				Hose coupling	Body internal thread	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	0.3~0.4	MSP=0.8	φ4	89	20	40	19	24	16	14	12	20	M3	3.3	20	7	7	7	11	5	3	25	25	15	61
MSP5G	205	94	0.3~0.4	MSP=0.8	φ4	74	30	30	14	19	24	18	15	30	M3	4.3	20	7	7	5	4	11	5	13	15	15	15
MSP10G	369	174	0.3~0.4	G1/8	φ6	93	36	30	18	23	28	28	24	36	M4	4.3	23	9	7	6	5	11	5	16	27	15	15
MSP10AG	366	209	0.4~0.5	G1/8	φ6	93	36	30	18	23	28	28	24	36	M4	4.3	26	12	7	6	5	11	5	16	27	15	15
MSP20G	648	373	0.4~0.5	G1/8	φ6	109	45	40	19	24	36	30	27	45	M4	5.3	26	12	9	8	11	5	15	31	25	15	
MSP30G	1,115	1,146	0.5~0.6	G1/8	φ6	150	56	60	20	30	46	40	27	56	M5	5.3	36	17	15	11	10	12	5	20	41	38	22

Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

Designed to meet your particular application. Samples of actual work pieces are required - inquire for designing and quoting. ★ Blade sold separately

MS-G type Blade cutting capacity

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MS3G	S20, S20S, CR20, EP20, SD20	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, SD2	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, SD4	1.6	1.0	-	-	-	-	-
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-	-
	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	-	4.0
MS10AG	Y4	-	-	-	-	-	-	-
	SSA, SSAS, CR6A, EP6A, SD5A	1.8	1.2	1.0	-	-	-	-
	Z6A*, ZCR6A, ZEP6A, Z6AS	1.8	1.2	1.0	0.5	-	-	-
MS20G	F5A, F5AS, FD5A, FEP6A	-	-	-	-	-	-	4.0
	Y6A	-	-	-	-	-	-	-
	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-	-
MS30G	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	-	7.0
	Y6, K6	-	-	-	-	-	-	5.0
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	-	-	-	-	-	-	10.0
MS30G	FEP10P	-	-	-	-	-	-	8.0
	Y8P, K8P	-	-	-	-	-	-	6.5
	SH8P	-	-	-	-	-	-	-
MS30G	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

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MSP3G	S20, S20S, CR20, EP20, SD20	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, SD2	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, SD4	1.6	1.0	-	-	-	-	-
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-	-
	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	-	4.0
MSP10AG	Y4	-	-	-	-	-	-	-
	SSA, SSAS, CR6A, EP6A, SD5A	1.8	1.2	1.0	-	-	-	-
	Z6A*, ZCR6A, ZEP6A, Z6AS	1.8	1.2	1.0	0.5	-	-	-
MSP20G	F5A, F5AS, FD5A, FEP6A	-	-	-	-	-	-	4.0
	Y6A	-	-	-	-	-	-	-
	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-	-
MSP30G	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	-	7.0
	Y6, K6	-	-	-	-	-	-	5.0
MSP30G	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	-	-	-	-	-	-	13.0
MSP30G	FEP10P	-	-	-	-	-	-	8.0
	Y8P, K8P	-	-	-	-	-	-	6.5
	SH8P	-	-	-	-	-	-	-
MSP30G	A8P-1.25/2.0/5.5, A8WP-1.25-2.0/2.0-5.5	-	-	-	-	1.25/20/55	-	-
	AR8P-1.25/2.0/5.5, AR8WP-1.25-2.0/2.0-5.5	-	-	-	-	1.25/20/55	-	-

SQUARE AIR NIPPERS

MACHINE-FITTING TYPE

WS Type



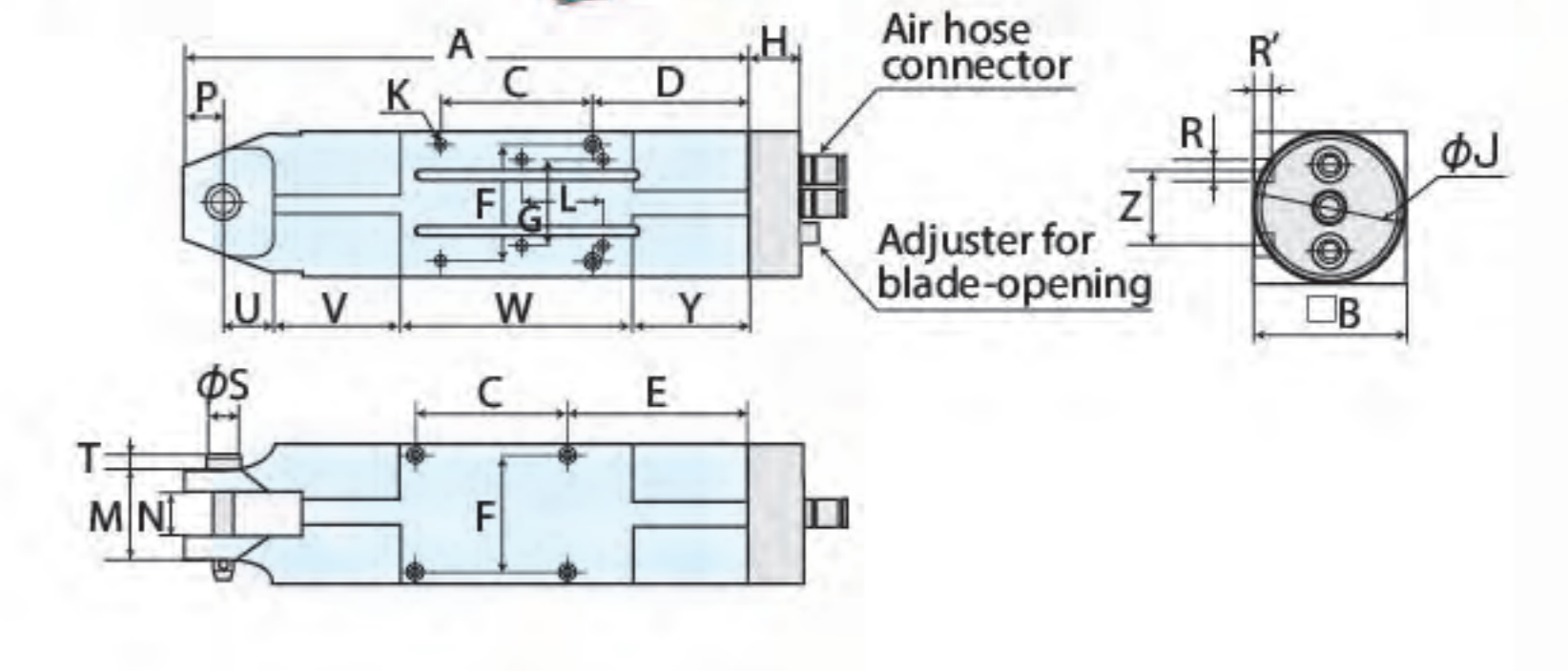
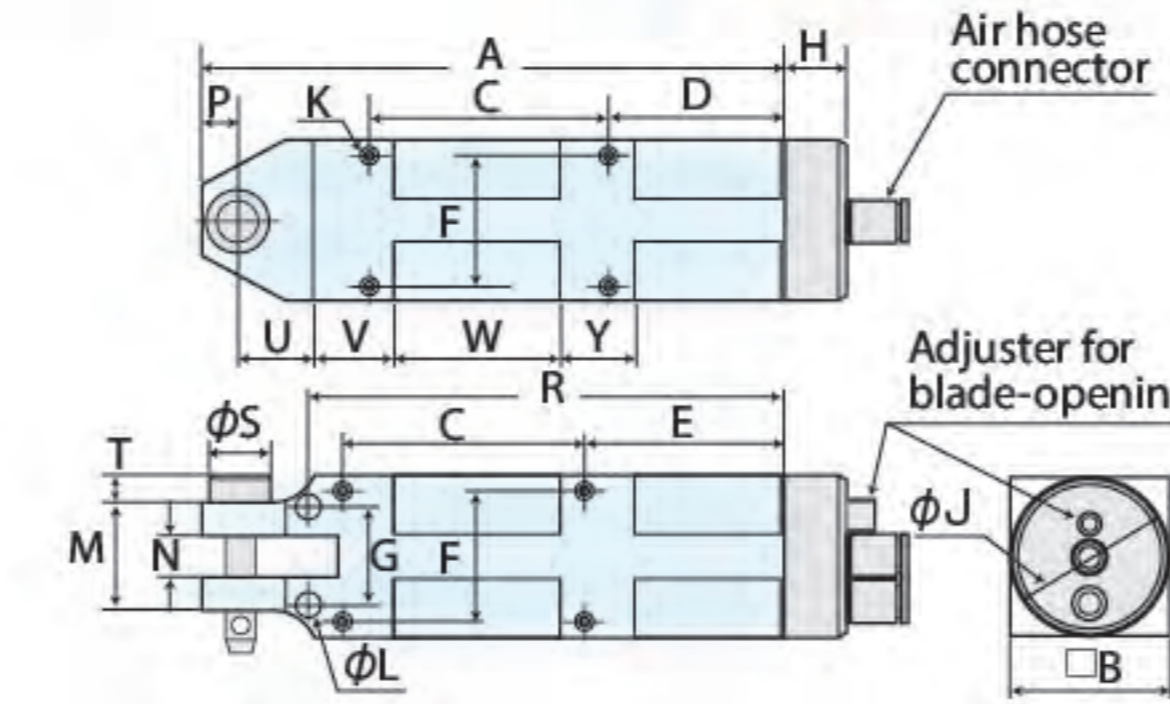
WS20
(Blade sold separately)

MACHINE-FITTING TYPE

WS-S Type



WS30S
(Blade sold separately)



WS type specification

Model (less blade)	Weight (g)	Airconsumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)																				
				Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	Y
WS3	88	41	0.4~0.5	MSP=0.8	φ4	107	20	43	34	39	16	14	6	20	M3	3.3	20	7	7	8	11	5	3	24	30	13
WS5	179	71	0.4~0.5	MSP=0.8	φ4	104	30	43	31	36	24	18	11	30	M3	4.3	20	7	7	8	11	5	13	14	30	13
WS10	309	179	0.4~0.5	G1/8	φ6	142	36	55	42	47	28	28	18	36	M4	4.3	23	9	7	11	11	5	16	27	40	15
WS20	537	516	0.5~0.6	G1/8	φ6	170	45	55	65	70	36	30	18	45	M4	5.3	26	12	9	14	11	5	15	31	40	20

WS-S type specification

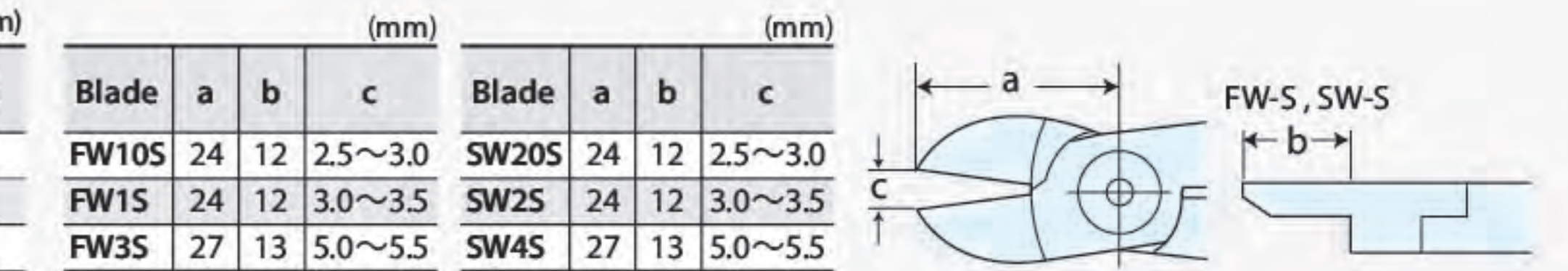
Model (less blade)	Weight (g)	Airconsumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)																					
				Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	J	K	L	M	N	R	R'	S	T	U	V	W	Y	Z
WS20S	650	274	0.5~0.6	G1/8	φ6	170	45	40	65	70	36	34	18	45	M4	3.2	26	12	4	4.2	11	5	15	31	80	35	20.6
WS30S	1,250	464	0.5~0.6	G1/8	φ6	223	56	60	62	72	46	34	21	56	M5	3.2	36	17	4	4.2	12	5	20	50	92	46	22

Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

Designed to meet your particular application. Samples of actual work pieces are required - inquire for designing and quoting.

WS type Blade cutting capacity (φmm)

Model	Blade	Copper wire	Steel wire	Plastic	Blade		
					a	b	c
WS3	FW10S	-	-	1.0	24	12	2.5~3.0
	SW20S	0.8	0.4	-	24	12	3.0~3.5
WS5	FW1S	-	-	2.0	27	13	5.0~5.5
	SW2S	1.0	0.5	-	27	13	5.0~5.5
WS10	FW3S	-	-	4.0	35	17	8.0~8.5
	SW4S	1.6	1.0	-	35	17	8.0~8.5
WS20	FW5S	-	-	7.0	-	-	-
	SW5S	2.6	2.0	-	-	-	-



Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

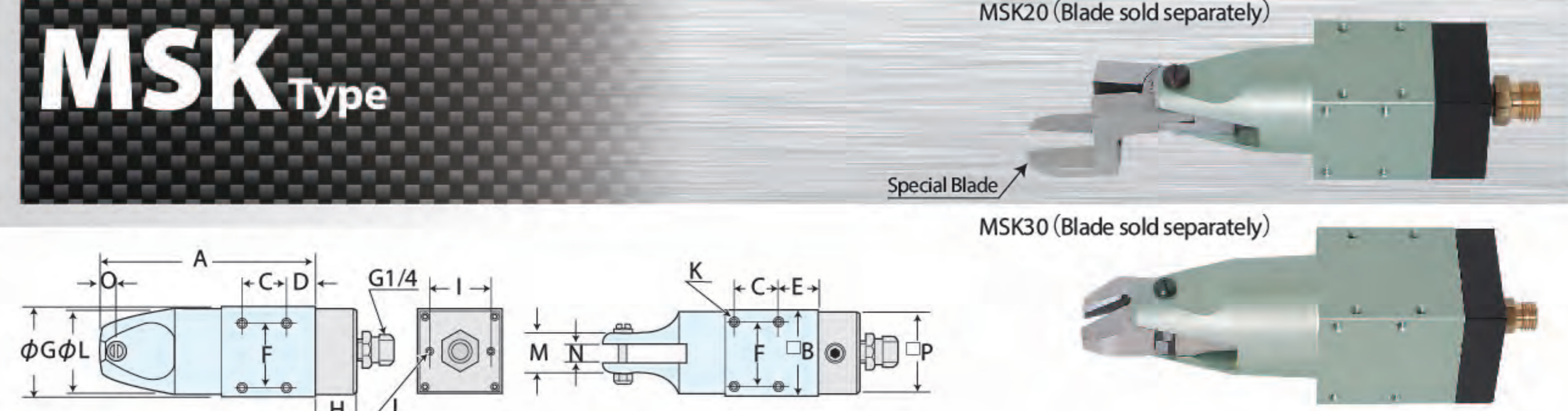
Designed to meet your particular application. Samples of actual work pieces are required o inquiry for designing and quoting.

WS-S type Blade cutting capacity (φmm)

Model	Blade	Copper wire	Steel wire	Plastic	Blade			
					a	b	c	f*
WS20S	CR6W							

SQUARE AIR NIPPERS

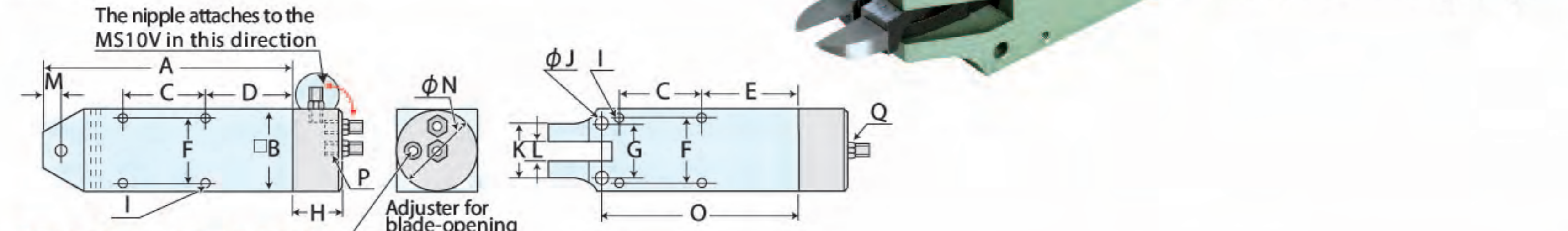
MACHINE-FITTING TYPE



MSK type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)															
				Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
MSK10	190	105	0.4~0.5	G1/8	G1/4	87	36	18	10	15	28	35	17	24	M4	M4	33	18	9	7	35
MSK20	340	270	0.5~0.6	G1/8	G1/4	102	45	20	15	20	36	44	17	30	M5	M4	42	24	12	9	44
MSK30	590	631	0.5~0.6	G1/8	G1/4	141	56	27	18	26	46	55	17	40	M6	M5	54	34	17	15	55

MACHINE-FITTING TYPE



MS-V type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)																
				Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
MS10V	345	107	0.4~0.5	G1/8	G1/4	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	0.5~0.6	G1/8	G1/4	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	0.5~0.6	G1/8	G1/4	185	56	60	55	65	46	40	33	M5	5.3	36	17	15	56	145	G1/8 nipple	R1/8×G1/4

Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

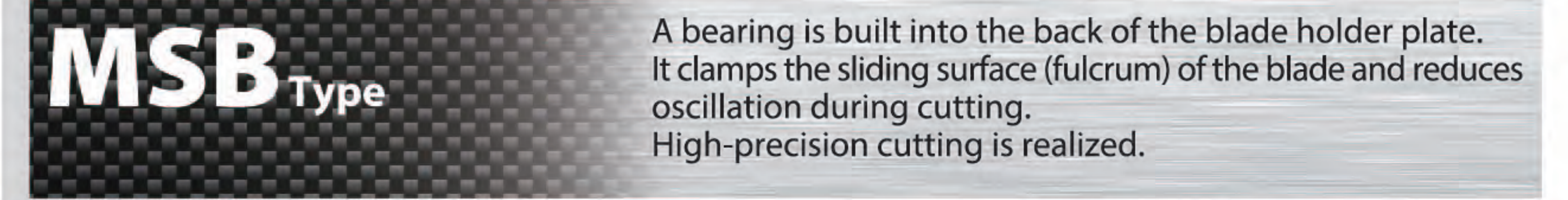
★ Blade sold separately

MSK/MS-V type Blade cutting capacity

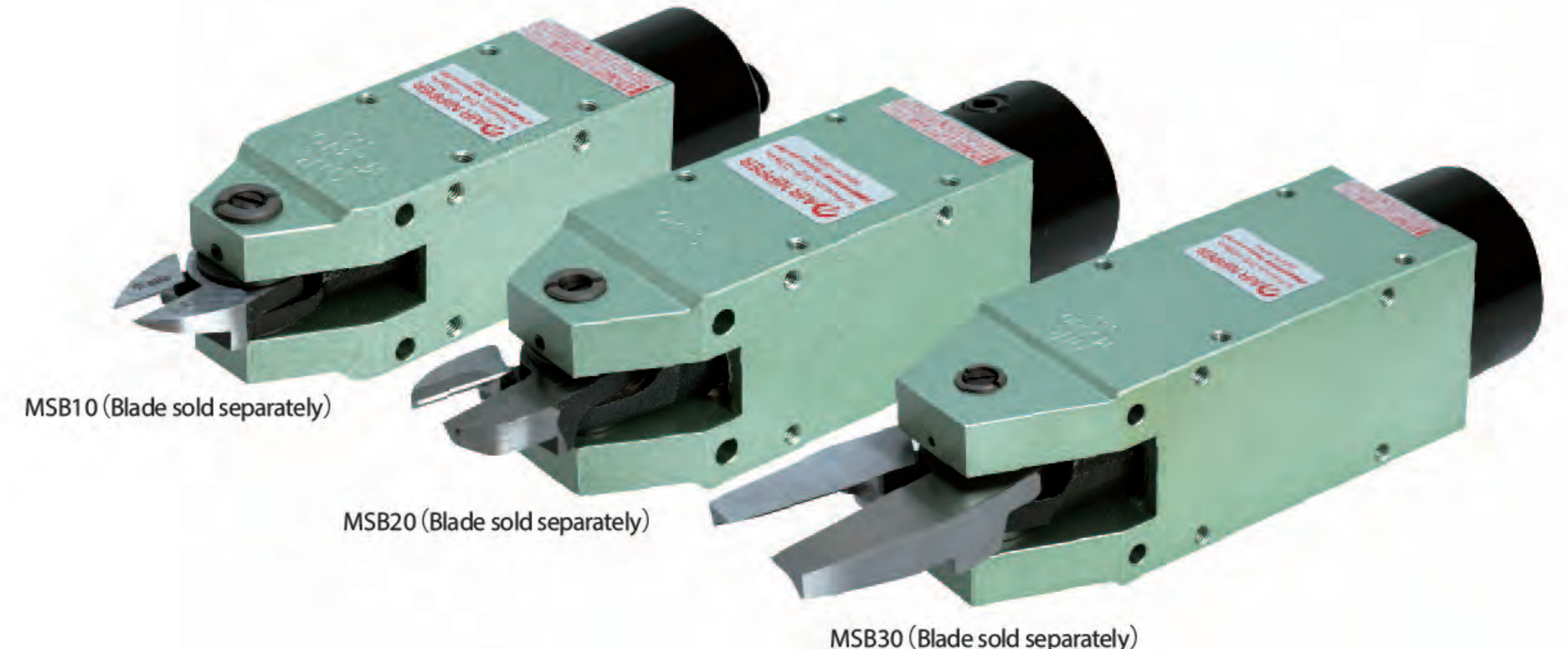
Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft Hard	Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft Hard	
																(φmm)
MSK10	S4, S4S, CR4, EP4, SD4	1.6	1.0	-	-	-	-	MSK30	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	-	-	-	
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-		Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	-	-	
	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	4.0		2.6	F9P, F9PS, FD9P	-	-	-	-	-	10.0
MSK20	Y4	-	-	-	-	-	-	MS30V	FEP10P	-	-	-	-	-	8.0	6.5
	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-		Y8P, K8P	-	-	-	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-		SH8P	-	-	-	-	-	-	-
MS20V	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	7.0	5.0	A8P-1.25, A8P-2.0	-	-	-	-	1.25/2.0	-	
	Y6, K6	-	-	-	-	-	-	AR8P-1.25, AR8P-2.0	-	-	-	-	-	1.25/2.0	-	

SQUARE AIR NIPPERS

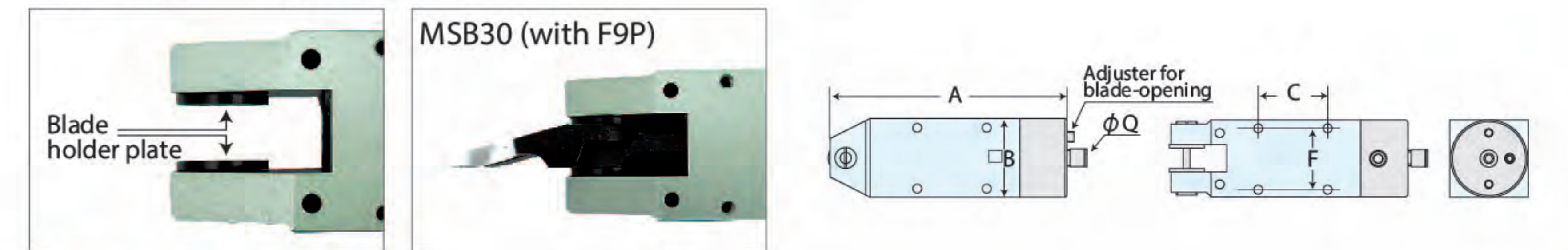
MACHINE-FITTING TYPE



Ideal for gate cutting of resin molded products and wire cutting of electronic components.



The blade can be narrow by tightening the blade opening adjustment bolt. Use a hose with an outside diameter of 6Φ for all three models. Single-touch detachment is possible.



MSB type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)				
				Hose coupling	Body internal thread	A	B	C	F	Q
MSB10	271	105	0.4~0.5	G1/8	Outer diameter φ6	117	36	30	28	6
MSB20	487	268	0.5~0.6	G1/8	Outer diameter φ6	136	45	40	36	6
MSB30	925	631	0.5~0.6	G1/8	Outer diameter φ6	177	56	60	46	6

Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

★ Blade sold separately

MSB type Blade cutting capacity

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft Hard	Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic Soft Hard	
																(φmm)
MSB10	S4, S4S, CR4, EP4, SD4	1.6	1.0	-	-	-	-	MSB30	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	-	-	-	
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	-	-		Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	-	-	
	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	4.0		2.6	F9P, F9PS, FD9P	-	-	-	-	-	10.0
MSB20	Y4	-	-	-	-	-	-	MS30V	FEP10P	-	-	-	-	-	8.0	6.5
	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-		Y8P, K8P	-	-	-	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-		SH8P	-	-	-	-	-	-	-
MS20V	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	7.0	5.0	A8P-1.25, A8P-2.0	-	-	-	-	1.25/2.0	-	
	Y6, K6	-	-	-	-	-	-	AR8P-1.25, AR8P-2.0	-	-	-	-	-	1.25/2.0	-	



nile air tools

VERTICAL TYPE AIR NIPPERS SLIDING AIR NIPPERS



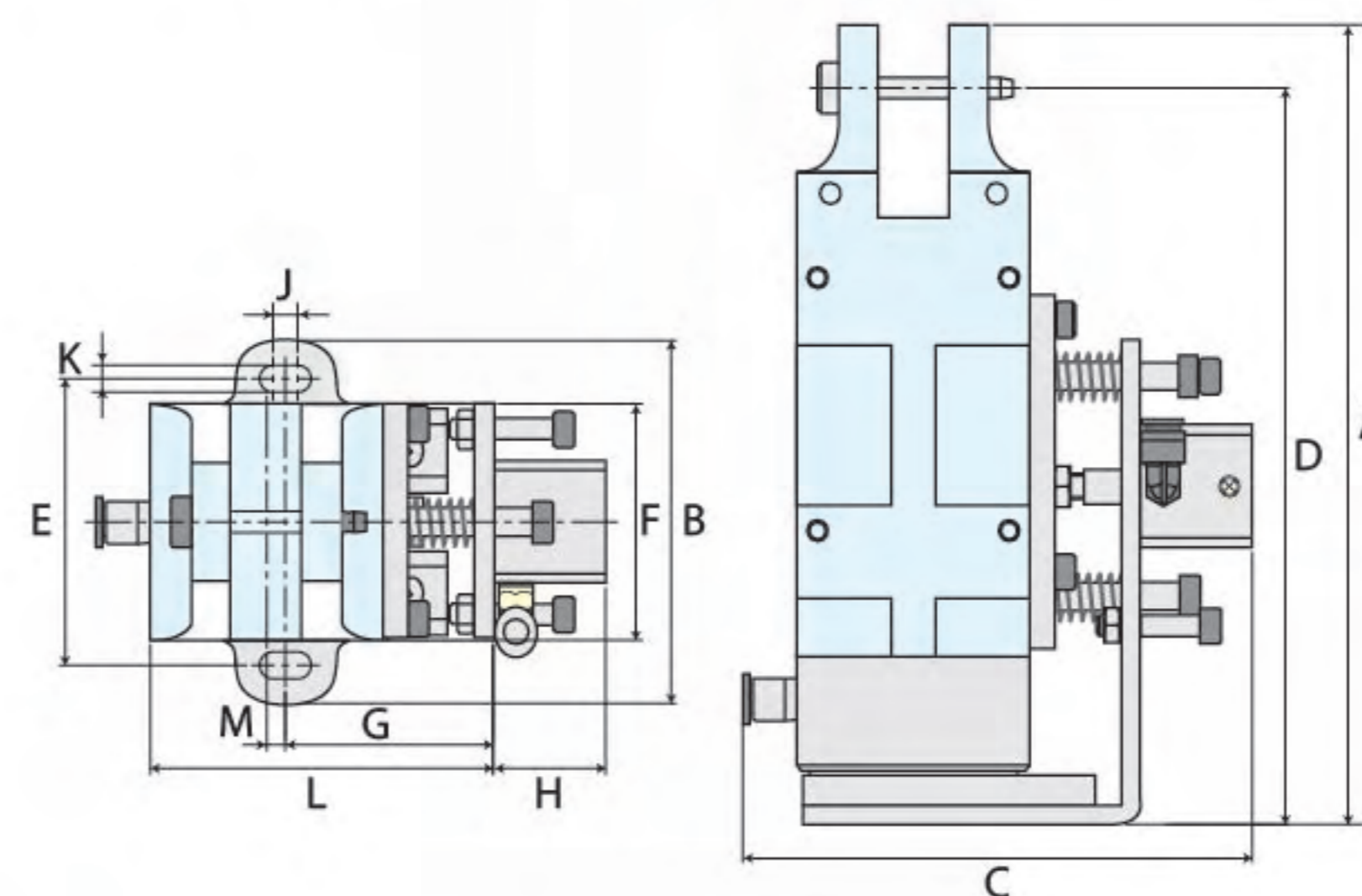
VERTICAL TYPE AIR NIPPERS SLIDING AIR NIPPERS

MACHINE-FITTING TYPE

SUH Type

- Stable operation by use of guide rail
- Maximum adjustment range
(Caution: 0.55Mpa required when using the maximum adjustment range)
- Blade opening adjustment

Air supply port can be changed from side to bottom
Separately made special blade and units are also available



SUH30N-MS30G
(Blade sold separately)

Caution
Depending on the installation method, the guide rail may wear out quickly.
Blade are not included.
Slide mechanisms are not sold separately.
Please lubricate the cylinder for the slide appropriately.
Please refer to MS30G for details on the specifications of the main unit.

SUH type specification ※1)0.55Mpa required when used at maximum stroke

Model (less blade)	Weight (g)	Air consumption (Main body) (cm ³ /stroke)	Air pressure (Main body) (MPa)	Air consumption (Cylinder) ※1)(cm ³ /stroke)	Fitting size (Main body)		Fitting size (Cylinder)	
					Hose coupling	Body internal thread	Hose coupling	Body internal thread
SUH20N-MS20G	720	268	0.5~0.6	0.5~0.6	G1/8	Outer diameter φ6	M5	Outer diameter φ6
SUH30N-MS30G	1,500	631	0.5~0.6	0.5~0.6	G1/8	Outer diameter φ6	M5	Outer diameter φ6

Model (less blade)	Dimensions (mm)											
	A	B	C	D	E	F	G	H	J	K	L	M
SUH20N-MS20G	(153.4)	72	(111)	(114.4)	57	46	40	27	6	6.4	(72)	(8.5)
SUH30N-MS30G	(189.7)	86	(122.5)	(174.7)	68	56	50	27	6	(6.4)	(82.5)	4.5

Shapes & Dimensions of Standard Blades pp.5-10 **Special Blades (Custom-made blades) pp.11-12**
Designed to meet your particular application. Samples of actual work pieces are required - inquire for designing and quoting.
★ Blade sold separately

SUH type Blade cutting capacity

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic (φmm)		Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic (φmm)			
							Soft	Hard								Soft	Hard		
SUH20N-MS20G	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-	-	SUH30N-MS30G	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	-	-	-	-		
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	-		Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	-	-	-		
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	-	7.0		5.0	F9P, F9PS, FD9P	-	-	-	-	-	-	10.0	6.5
	Y6, K6	-	-	-	-	-	-	-		-	FEP10P	-	-	-	-	-	-	8.0	6.5
									Y8P, K8P	-	-	-	-	-	-	-	-		
									SH8P	-	-	-	-	-	-	-	-		
									A8P-1.25, A8P-2.0	-	-	-	-	-	1.25/2.0	-	-		
									AR8P-1.25, AR8P-2.0	-	-	-	-	-	1.25/2.0	-	-		



nile air tools

SN TYPE SLIDING AIR NIPPERS



SN TYPE SLIDING AIR NIPPERS

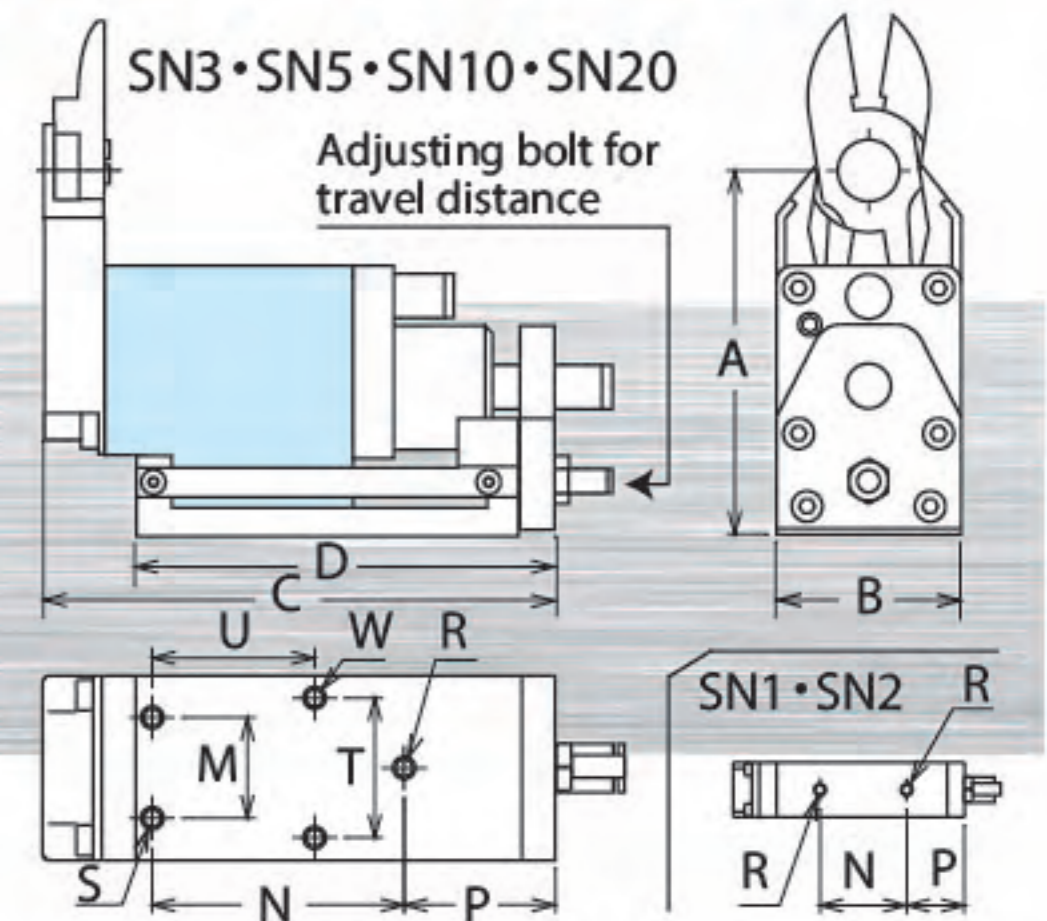
SN-series : Pull&Cut type SNP-series : Push&Cut type

MACHINE-FITTING TYPE

SN Type
Pull&Cut type



SN10 (Blade sold separately)



SN type specification

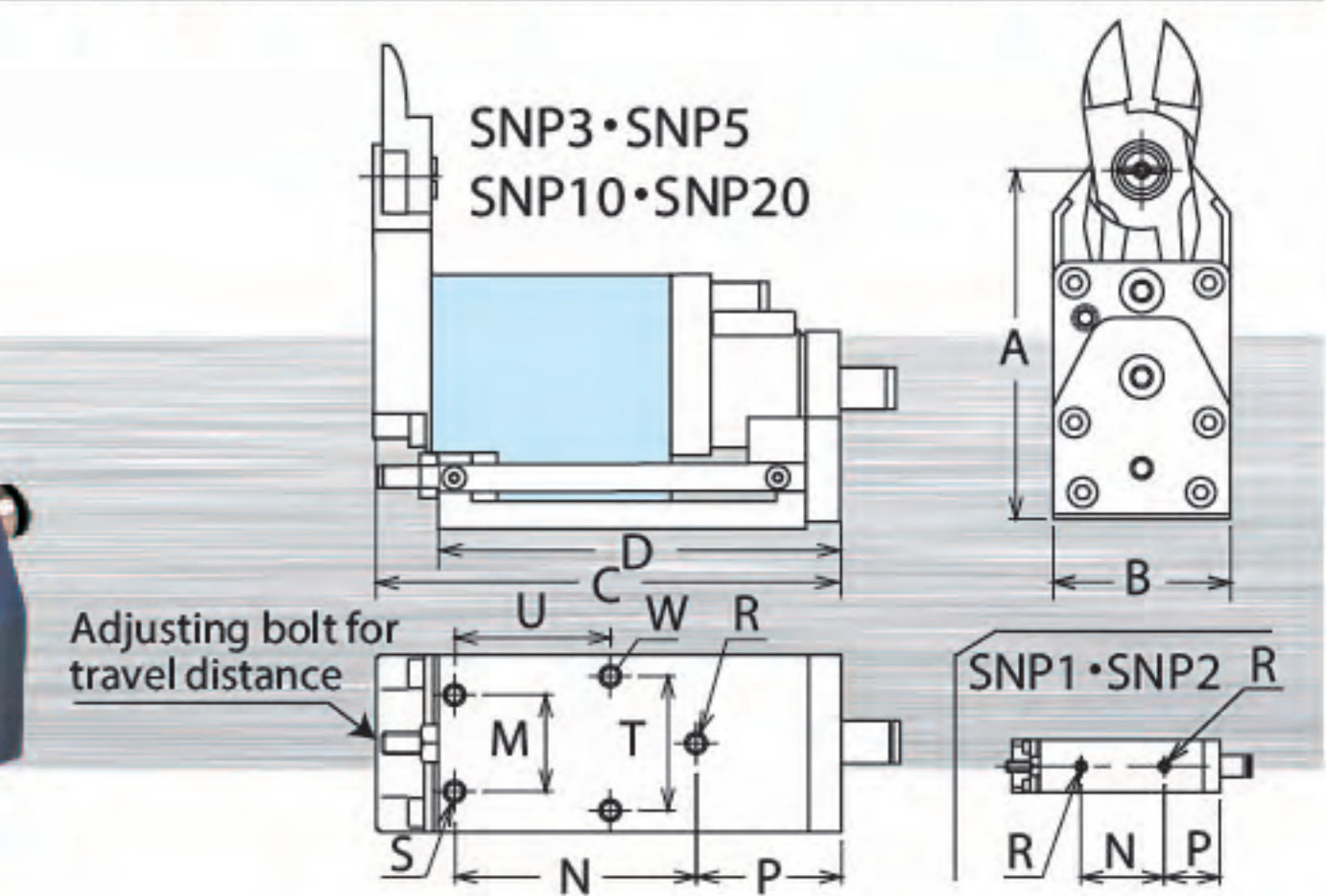
Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)											
				Hose coupling	Body Internal thread	A	B	C	D	M	N	P	R	S	T	U	W
SN1	140	16	0.5	M5P=0.8	Outer diameter φ4	61	16.5	80	65	-	30	20	M4	-	-	-	-
SN2	160	21	0.5	M5P=0.8	Outer diameter φ4	61	19	80	65	-	30	20	M4	-	-	-	-
SN3	170	24	0.5	M5P=0.8	Outer diameter φ4	59	23	79.6	65	12	37	25	M4	M4D5	15	23	M4
SN5	220	47	0.5	M5P=0.8	Outer diameter φ4	63	28	83.6	69	14	40	26	M4	M4D6	20	24	M4
SN10	300	60	0.5	M5P=0.8	Outer diameter φ4	70	33	91.6	75	18	45	27	M4	M4D6	25	29	M4
SN20	595	153	0.5	M5P=0.8	Outer diameter φ4	82	42	110	90	22	58	28	M4	M4D7	30	32	M5

MACHINE-FITTING TYPE

SNP Type
Push&Cut type



SNP10 (Blade sold separately)



SNP type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)											
				Hose coupling	Body Internal thread	A	B	C	D	M	N	P	R	S	T	U	W
SNP1	140	16	0.5	M5P=0.8	Outer diameter φ4	61	16.5	80	65	-	30	20	M4	-	-	-	-
SNP2	160	21	0.5	M5P=0.8	Outer diameter φ4	61	19	80	65	-	30	20	M4	-	-	-	-
SNP3	170	24	0.5	M5P=0.8	Outer diameter φ4	59	23	79.6	65	12	37	25	M4	M4D5	15	23	M4
SNP5	220	47	0.5	M5P=0.8	Outer diameter φ4	63	28	83.6	69	14	40	26	M4	M4D6	20	24	M4
SNP10	300	60	0.5	M5P=0.8	Outer diameter φ4	70	33	91.6	75	18	45	27	M4	M4D6	25	29	M4
SNP20	595	153	0.5	M5P=0.8	Outer diameter φ4	82	42	110	90	22	58	28	M4	M4D7	30	32	M5

*1 The dimensions shown are for reference only. Please allow for slight changes in dimensions and shape during production.

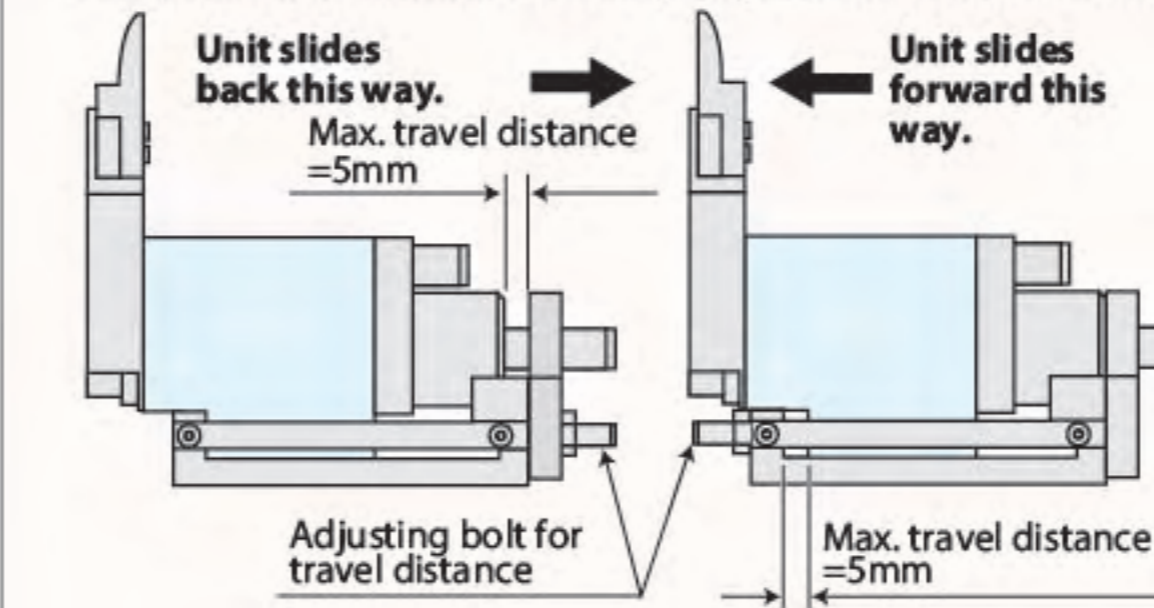
*2 Cutting capacity will vary depending on ambient temperature and molding conditions. *3 During operation, the piston protrudes a few millimeters from the body.

* Blade sold separately

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.

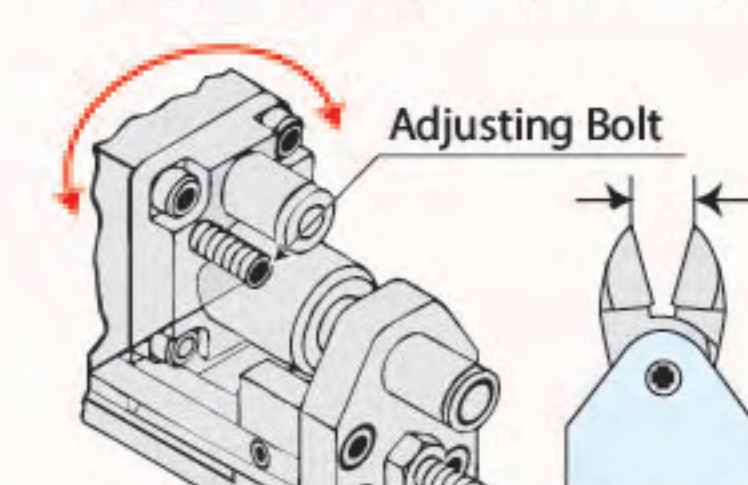


Point 3

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

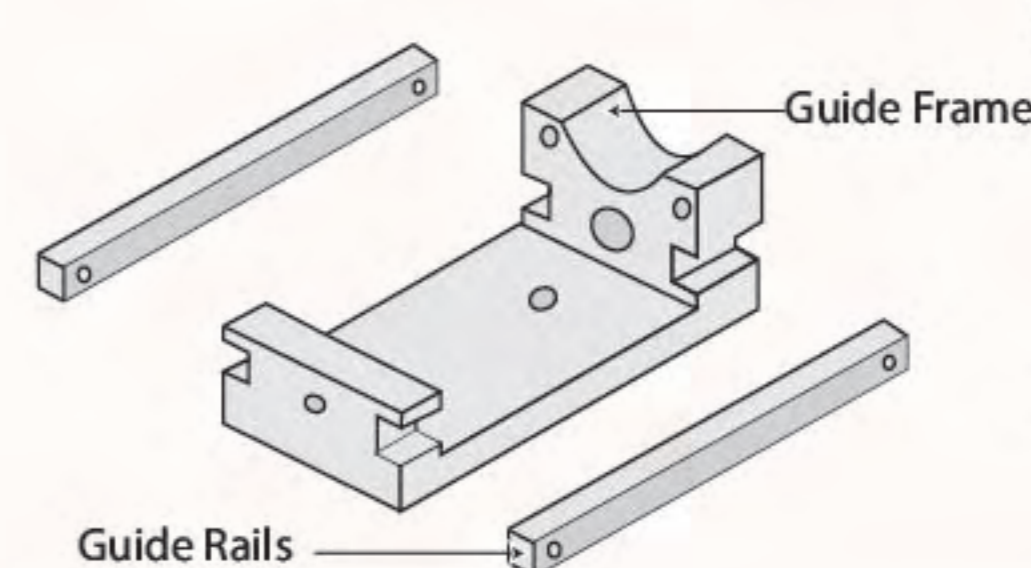
Point 2

The blade opening is adjustable by turning the adjusting bolt.



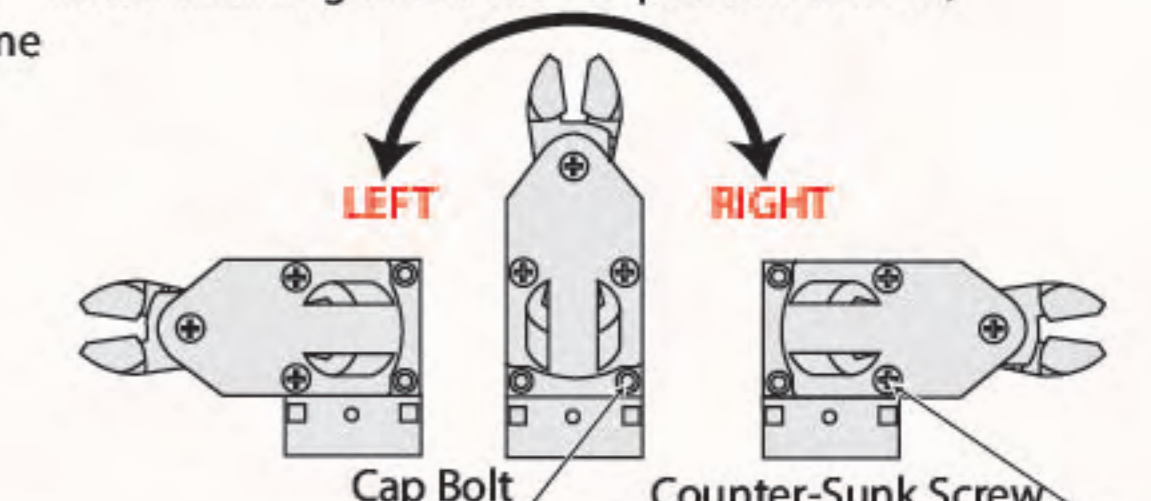
Point 4

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.)

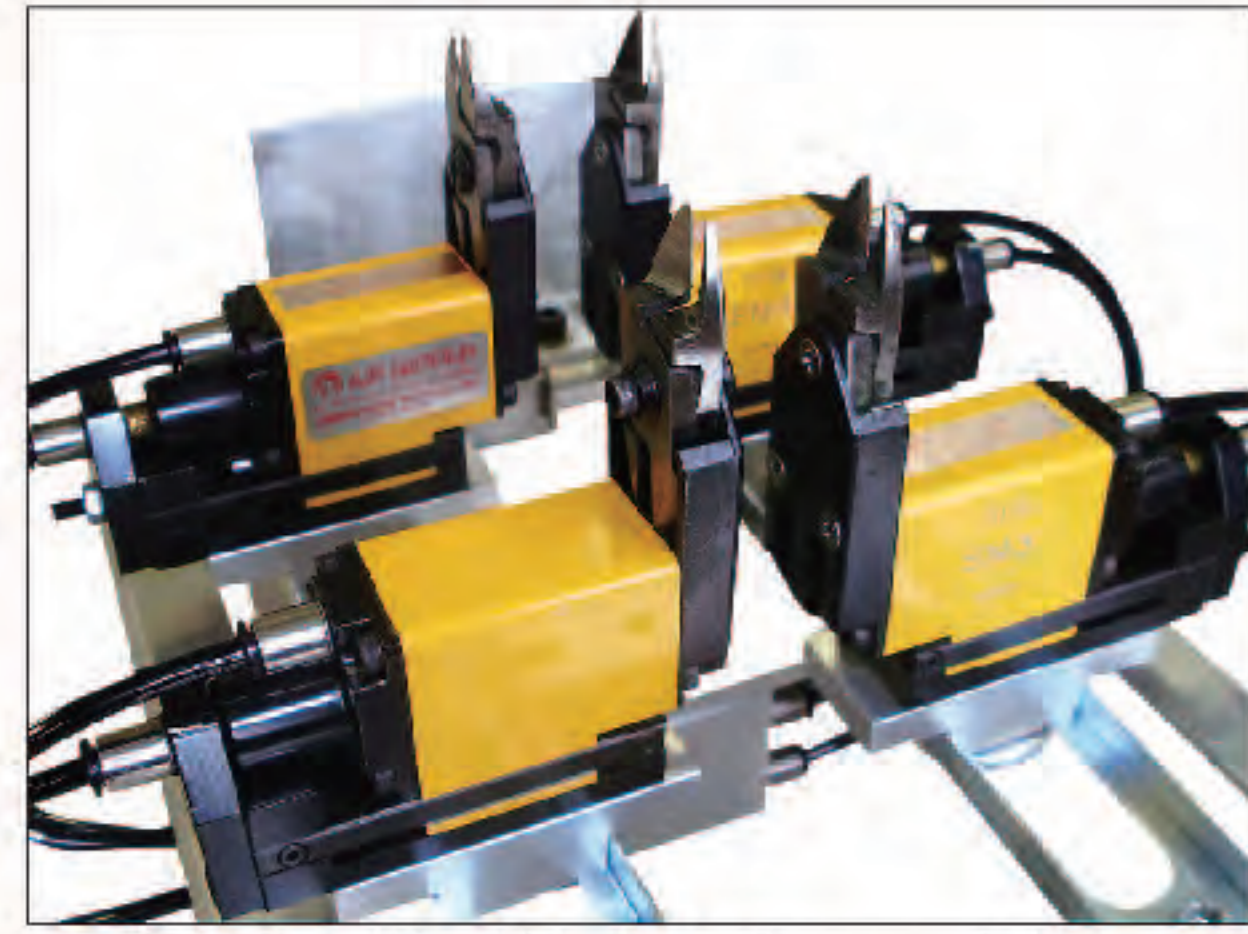


Model	Blade	Model	Blade	Min.	Max.
SN2	FNS10	SNP2	FNSP10	1.0	2.8
SN3	FNS10	SNP3	FNSP10	1.5	3.5
SN5	FNS1	SNP5	FNSP1	2.0	5.5
SN10	FNS3	SNP10	FNSP3	3.0	7.0
SN20	FNS5	SNP20	FNSP5	5.0	8.5

SN TYPE SLIDING AIR NIPPERS

Simplified blade replacement type

Please tell us "Simplified blade replacement type" when you request



SN3 simplified blade replacement type installation photo (front left only)

Two major factors are resolved at once

Time-Saving **Cost reduction**

- Reduction of time wasted on replacing replacement blades
- Prevents loss of bolts when replacing blades
- Eliminates the hassle of positioning when replacing replacement blades
- The simplified blade replacement type is the part number with "EAR" added to the part number of the main unit



Standard products

- The replacement blade cannot be replaced as it is too small to fit a wrench.
- Remove the main unit from the installation point.
- Blade replacement. A screwdriver and wrench are required to replace the blade.
- Return the main unit to its installed point.
- Adjust the position. Time-consuming to adjust to position the unit.

Simplified blade replacement type

No need to worry about lack of space. Replacement of the blade can be done with single wrench

- The replacement blade can be removed in this state.
- After replacing the blade, resume work as is. There is no need to reposition the blade.

※ Depending on the product gate spacing, it may not be to accommodate the product.

SN TYPE SLIDING AIR NIPPERS

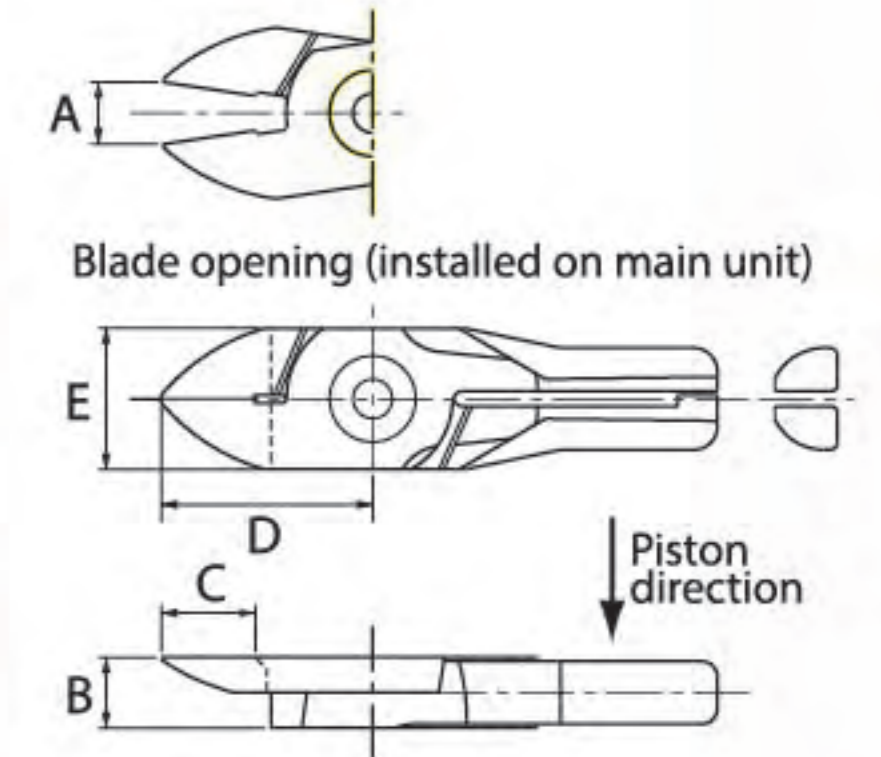
SN-series : Pull&Cut type SNP-series : Push&Cut type

STANDARD TYPE

FNS for SN series

Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (φmm)	Dimensions (mm)				
			A	B	C	D	E
SN1	FNS30	1.5	2.5	7.0	11.0	24.0	12.0
SN2	FNS10	2.0	2.8	7.0	11.0	24.0	14.0
SN3	FNS10	2.0	3.5	7.0	11.0	24.0	14.0
SN5	FNS1	3.0	5.5	7.0	11.0	24.0	16.0
SN10	FNS3	4.0	7.0	9.0	11.0	27.0	19.0
SN20	FNS5	5.0	8.5	12.0	16.0	35.0	22.0

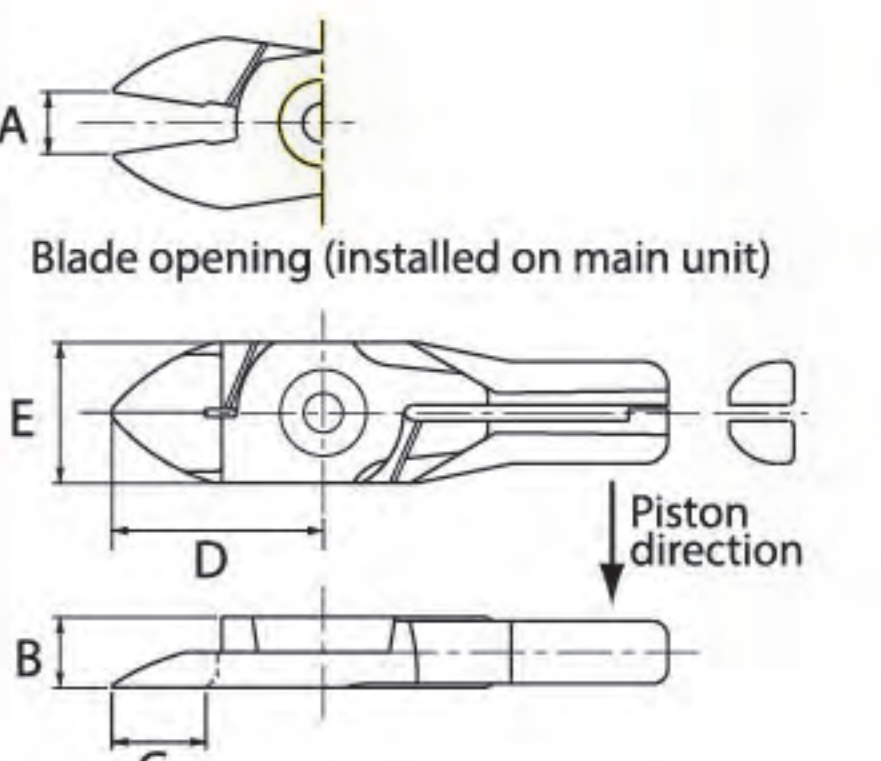


STANDARD TYPE

FNSP for SNP series

Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (φmm)	Dimensions (mm)				
			A	B	C	D	E
SNP1	FNSP30	1.5	2.5	7.0	11.0	24.0	12.0
SNP2	FNSP10	2.0	2.8	7.0	11.0	24.0	14.0
SNP3	FNSP10	2.0	3.5	7.0	11.0	24.0	14.0
SNP5	FNSP1	3.0	5.5	7.0	11.0	24.0	16.0
SNP10	FNSP3	4.0	7.0	9.0	11.0	27.0	19.0
SNP20	FNSP5	5.0	8.5	12.0	16.0	35.0	22.0

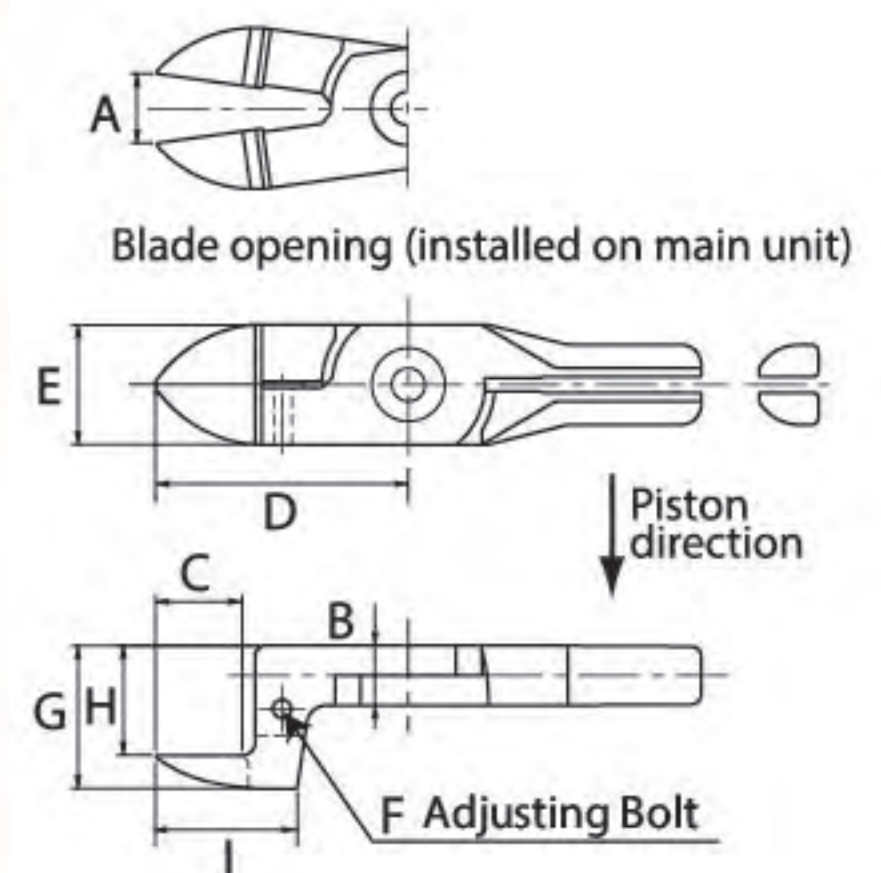


CRANK TYPE

FN-C for SN series

Air Pressure : 0.5MPa

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

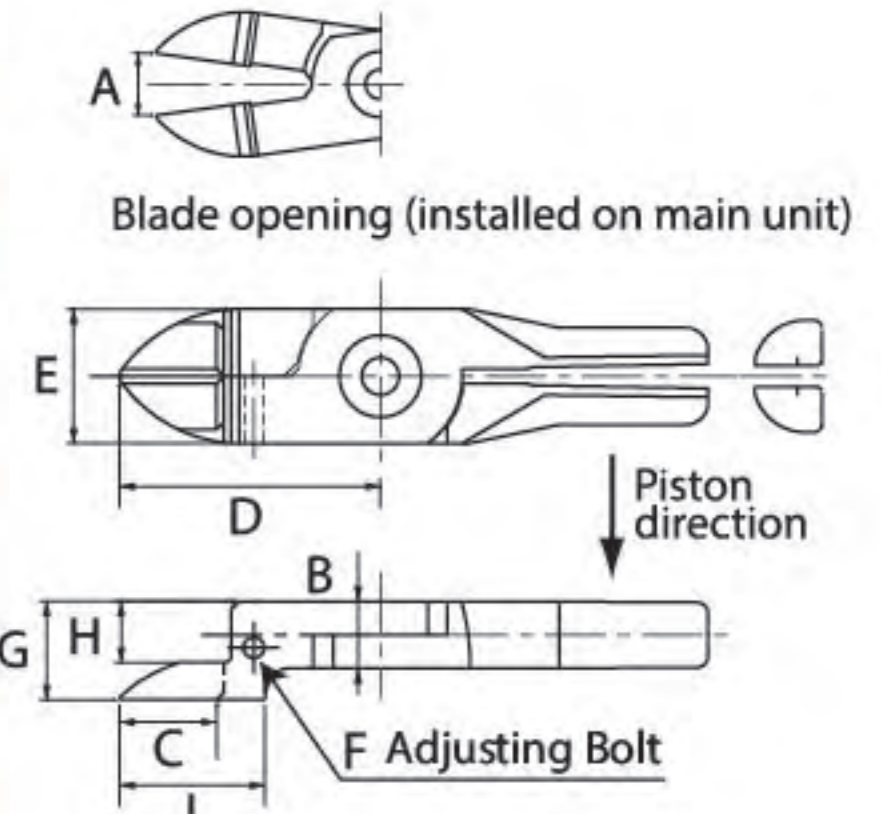


CRANK TYPE

FNP-C for SNP series

Air Pressure : 0.5MPa

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



SN TYPE SLIDING AIR NIPPERS

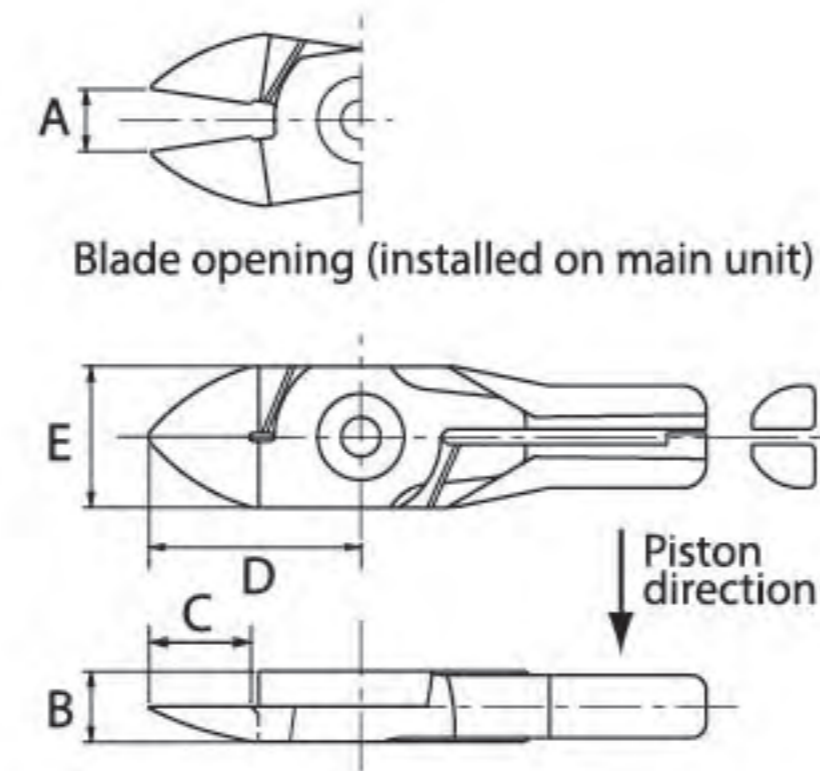
SN-series : Pull&Cut type SNP-series : Push&Cut type

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

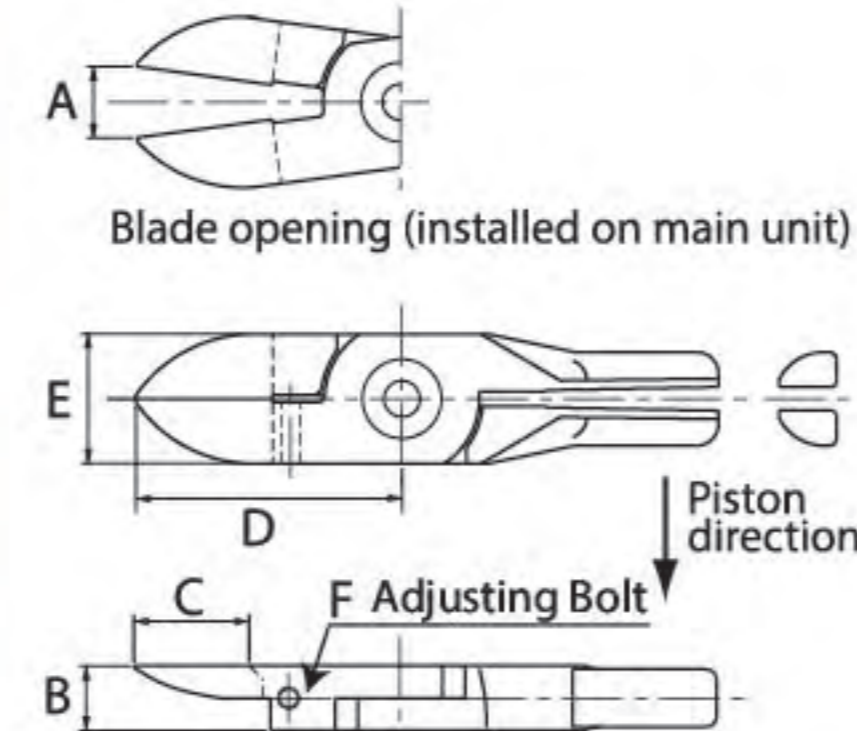


LONG TYPE

FN-L for SN series

Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (φmm)			Dimensions (mm)					
		Tip of blade	Center of blade	Base of blade	A	B	C	D	E	F
SN1	FN30L	1.0	1.0	1.5	4.0	7.0	16.0	33.0	12.0	M3
SN2	FN10L	1.0	1.5	1.5	3.5	7.0	16.0	33.0	14.0	M3
SN3	FN10L	1.5	1.5	2.0	5.5	7.0	16.0	33.0	14.0	M3
SN5	FN1L	2.5	3.0	3.0	8.0	7.0	16.0	33.0	16.0	M3
SN10	FN3L	3.5	3.5	3.5	9.5	9.0	16.0	37.0	18.0	M3
SN20	FN5L	4.0	4.0	4.5	10.0	12.0	21.0	45.0	22.0	M3

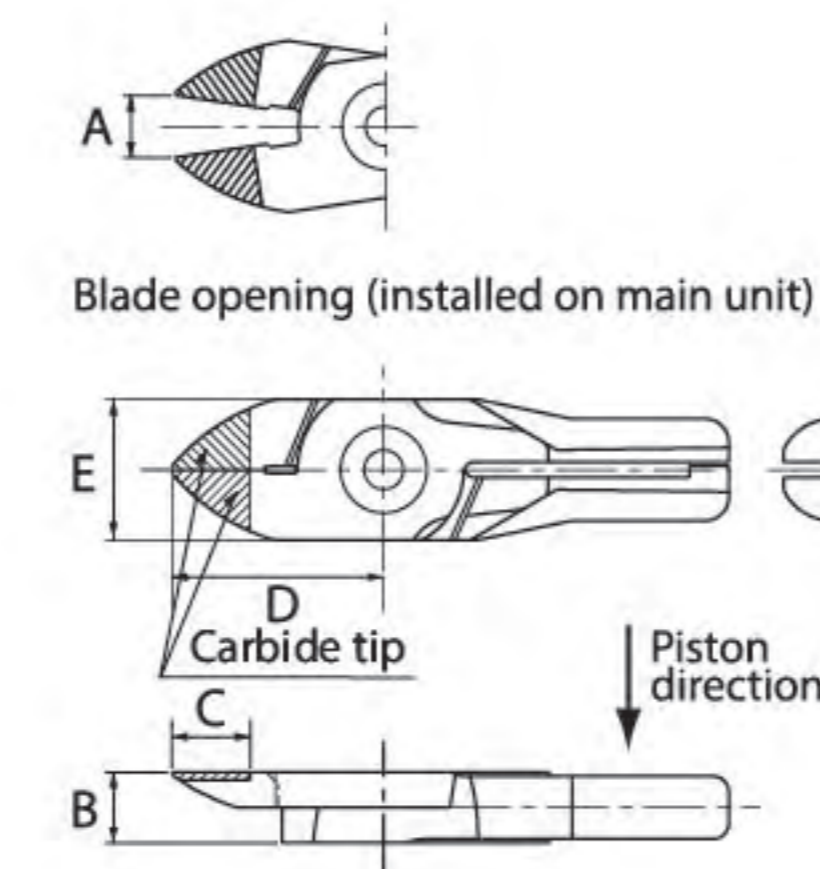


CARBIDE TIPPED TYPE

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

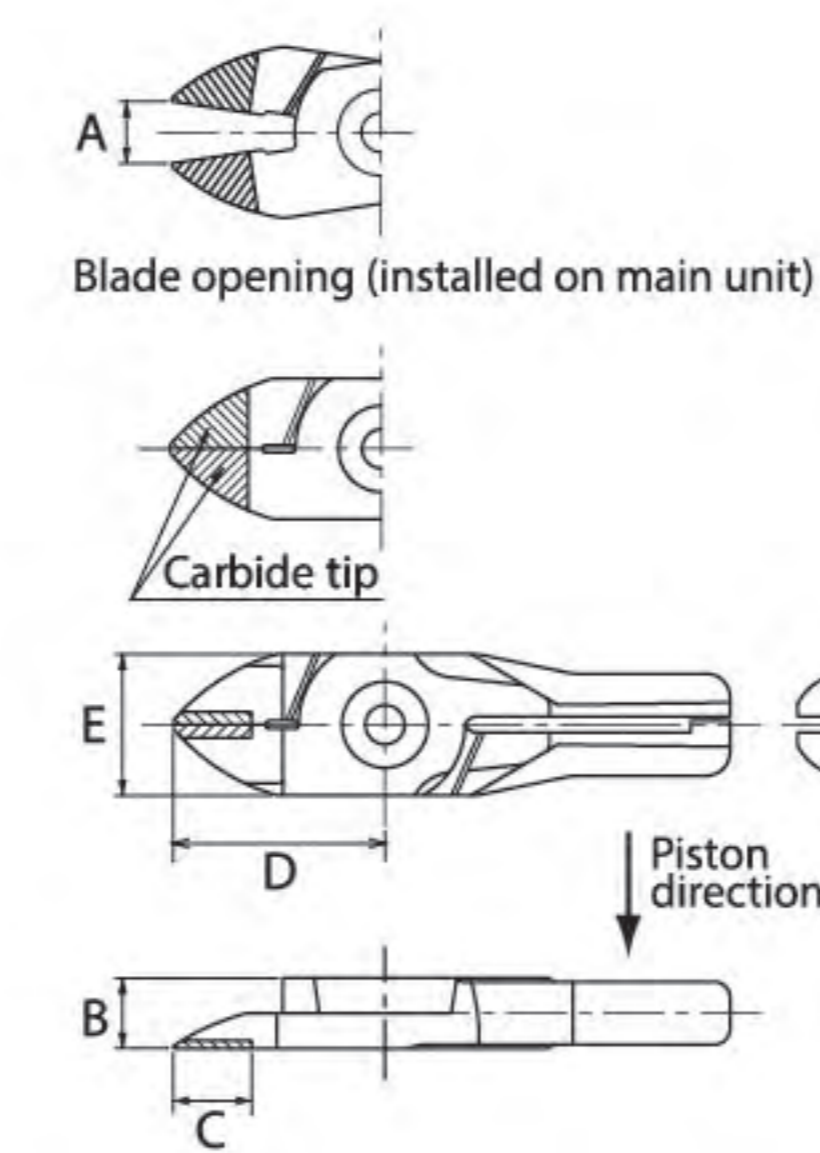


CARBIDE TIPPED TYPE

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



SN TYPE SLIDING AIR NIPPERS

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

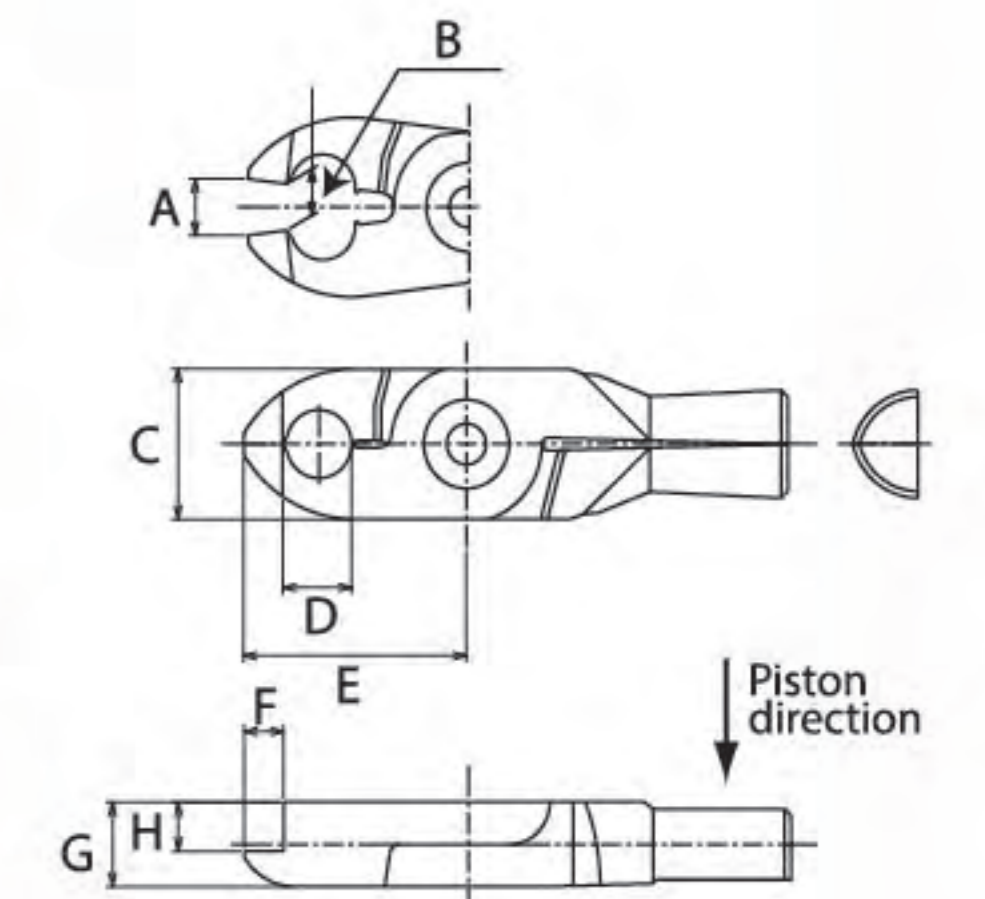
TWO EDGE OF PULL TYPE

FN-W for SN series

* Built to order

Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (φmm)	Dimensions (mm)							
			A	B	C	D	E	F	G	H
SN10	FN3W	2.0	7.0	6.0	19.0	7.5	27.0	4.0	9.0	5.0
SN20	FN5W	4.0	8.3	6.8	22.0	10.5	34.0	6.0	12.0	7.0



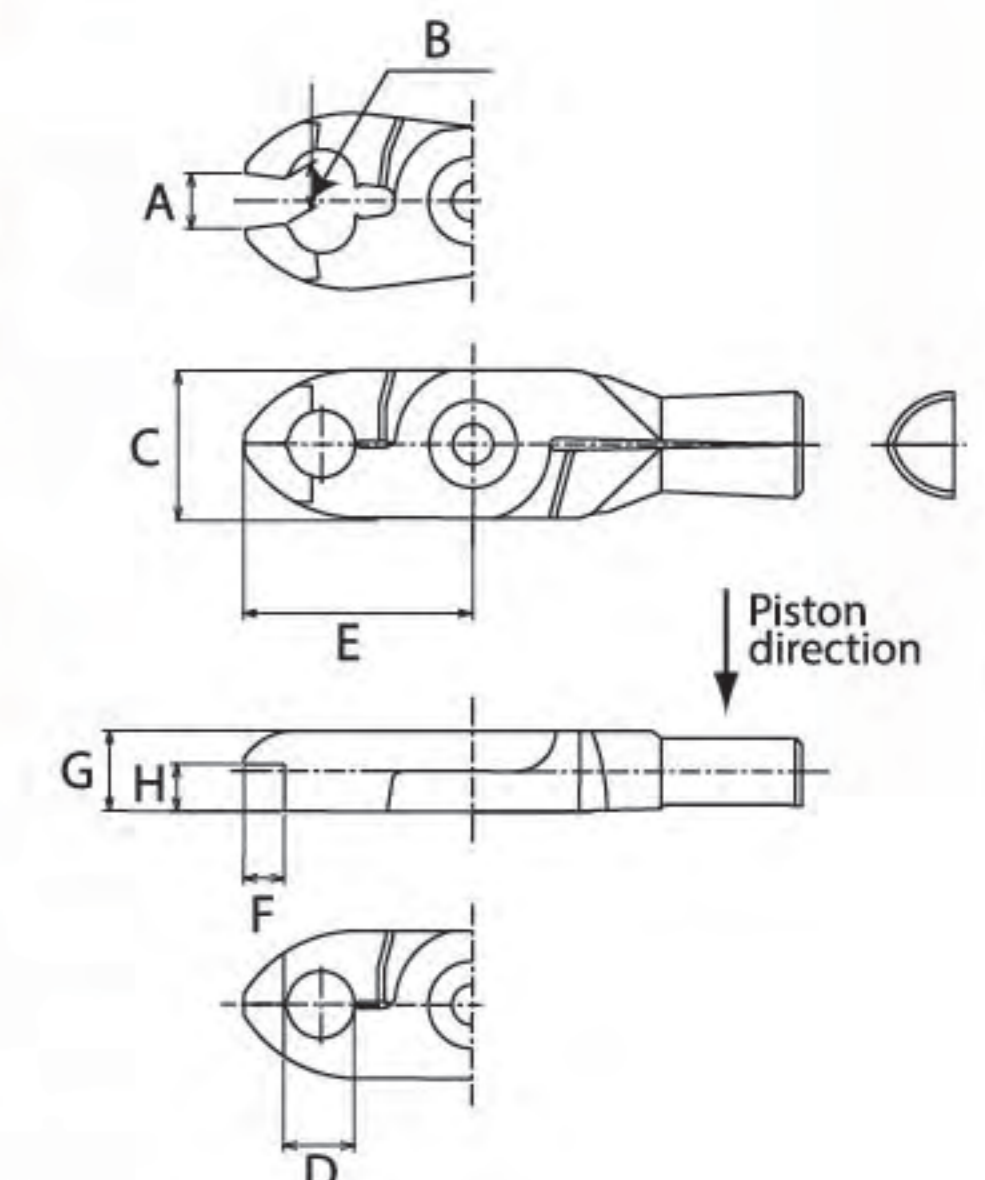
TWO EDGE OF PUSH TYPE

FNP-W for SNP series

* Built to order

Air Pressure : 0.5MPa

Model	Blade	Cutting capacity (φmm)	Dimensions (mm)							
			A	B	C	D	E	F	G	H
SNP10	FNP3W	2.0	7.0	6.0	19.0	7.5	27.0	4.0	9.0	5.0
SNP20	FNP5W	4.0	8.3	6.8	22.0	10.5	34.0	6.0	12.0	7.0

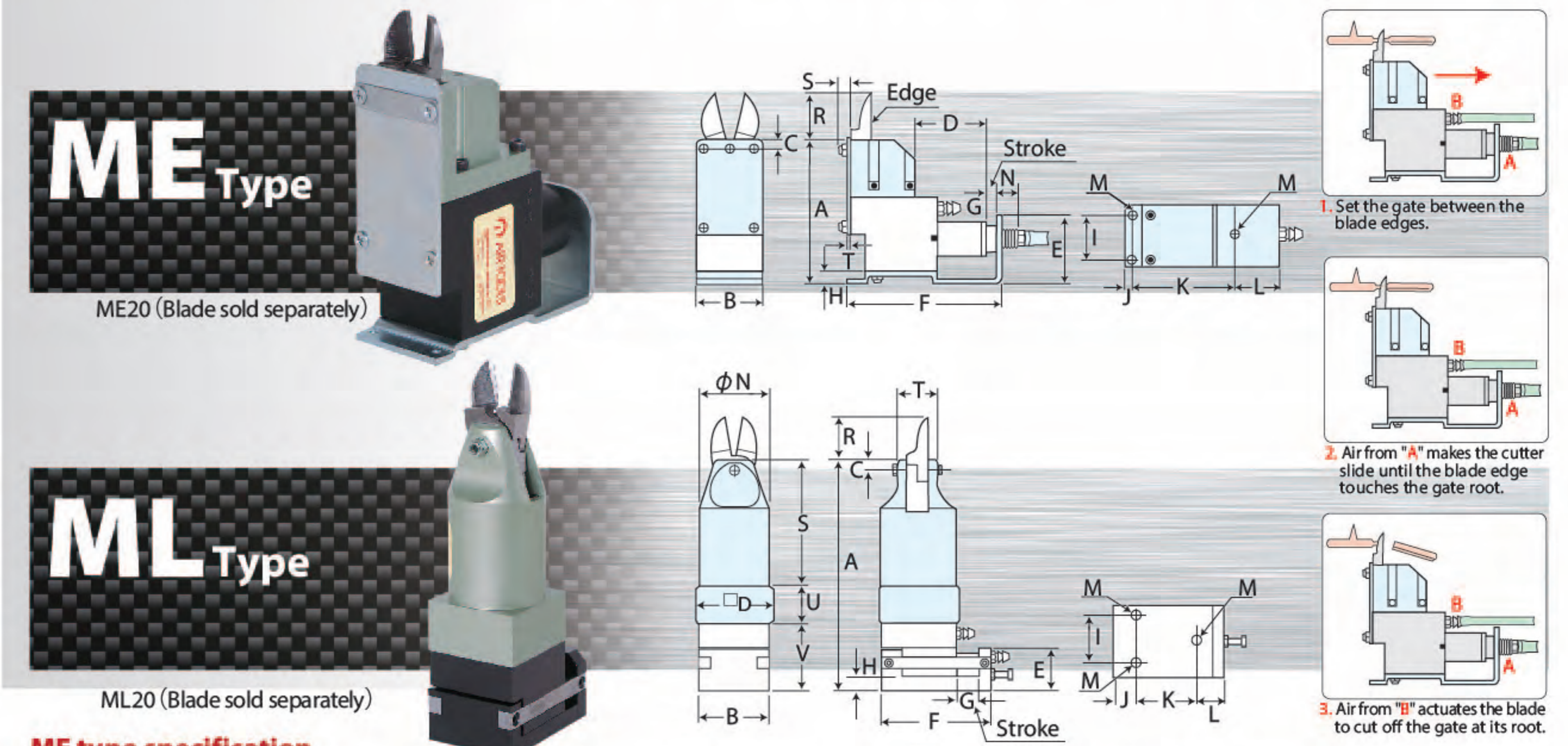




SLIDE & CUT AIR NIPPERS



SLIDE & CUT AIR NIPPERS

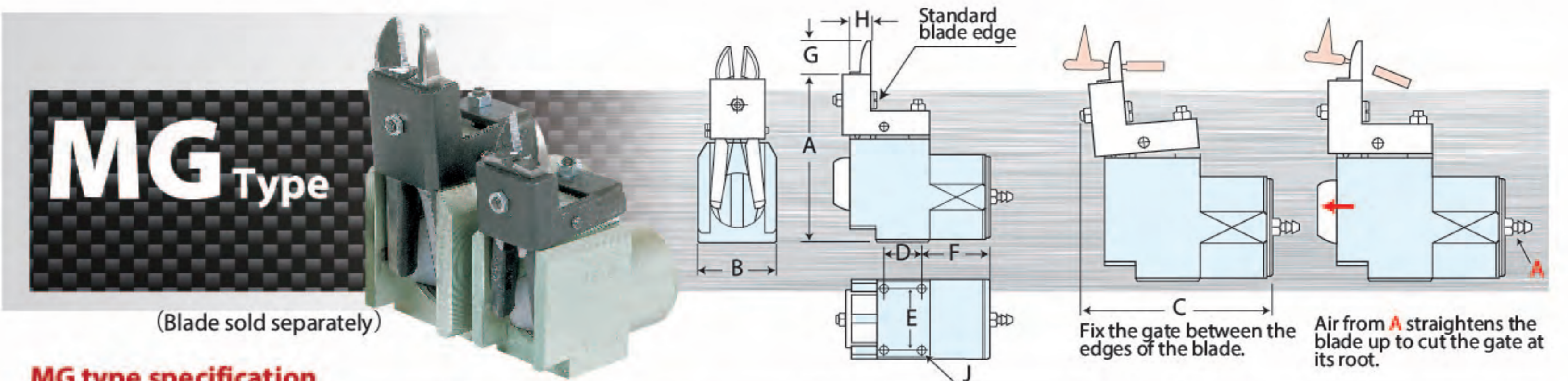


ME type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)																		
				Hose coupling	Body Internal thread	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R	S	T	U	V
ME5	290	32	0.4~0.5	M5P=0.8	Outer diameter $\phi 2.5$	79.2	29	9	30	31.2	76.2	3	6.2	22	4	50	22.2	M3	12.1	21	4	2	-	-
ME10	540	74	0.4~0.5	M5P=0.8	Outer diameter $\phi 2.5$	102.2	35	10	39	42.2	88.2	3	6.2	26	5	50	33.2	M3	13	21	4	2	-	-
ME20	810	138	0.5~0.6	M5P=0.8	Outer diameter $\phi 4$	116.2	44	13	42	48.2	103.2	5	6.2	34	5	85	13.2	M4	13	27	2.3	2	-	-
ME30	1,490	272	0.5~0.6	M5P=0.8	Outer diameter $\phi 4$	149.2	56	15	51	64.2	127.2	5	6.2	40	7	85	35.2	M4	13	50	3.3	3	-	-

ML type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)																		
				Hose coupling	Body Internal thread	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R	S	T	U	V
ML10	340	117	0.4~0.5	M5P=0.8	Outer diameter $\phi 2.5$	128	35	7	36	31	63	10	8	26	11	31	21	M3	35	19	71	18	16	41
ML20	500	282	0.5~0.6	M5P=0.8	Outer diameter $\phi 2.5$	143	44	9	45	31	64	10	8	26	11	36	17	M4	44	26	79	24	23	41
ML30	870	646	0.5~0.6	M5P=0.8	Outer diameter $\phi 4$	184	55	15	56	33	76	10	8	26	14	38	24	M4	55	50	123	34	18	43



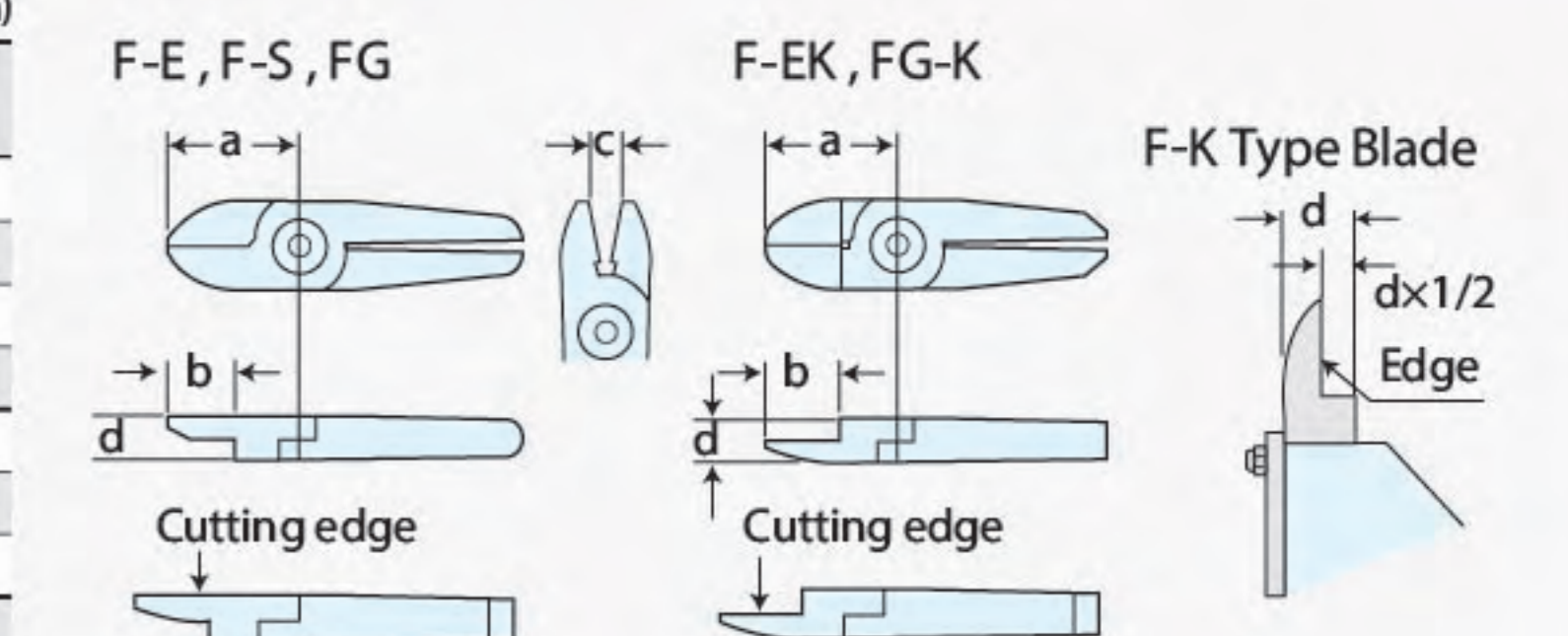
MG type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)									
				Hose coupling	Body Internal thread	A	B	C	D	E	F	G	H	J	
MG3	80	21	0.4~0.5	M5P=0.8	Outer diameter $\phi 2.5$	50	20	60	16	14	25	15	7	M3	
MG10	230	70	0.4~0.5	M5P=0.8	Outer diameter $\phi 2.5$	73	35	73	20	27	29	17.5	9	M3	
MG20	420	213	0.5~0.6	M5P=0.8	Outer diameter $\phi 4$	95	46	89	21	36	39	19	12	M4	

Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

★ Blade sold separately ※ Built to order ME/ML/MG type Blade cutting capacity (φmm)

Model	Blade (※ Carbide tipped)	Cutting capacity (φmm)	Plastic				
			a	b	c	d	e
ME5	F1E, ※F1EK	1.2	24	12	5.5	7	15
ME10	F3E, ※F3EK	2.5	27	13	7	9	20
ME20	F5E, ※F5EK	4.5	35	18	9	12	23
ME30	F9E, ※F9EK	5.0	65	39	15	17	35
ML10	F3S	4.0	27	13	5	9	20
ML20	F5S	7.0	35	16	9~10	12	23
ML30	F9PS	10.0	65	37	16	17	35
MG3	FG10, ※FG10K	2.0	24	-	4	7	-
MG10	FG3, ※FG3K	4.0	27	-	7	9	-
MG20	FG5, ※FG5K	6.0	34	-	8	12	-





nile air tools

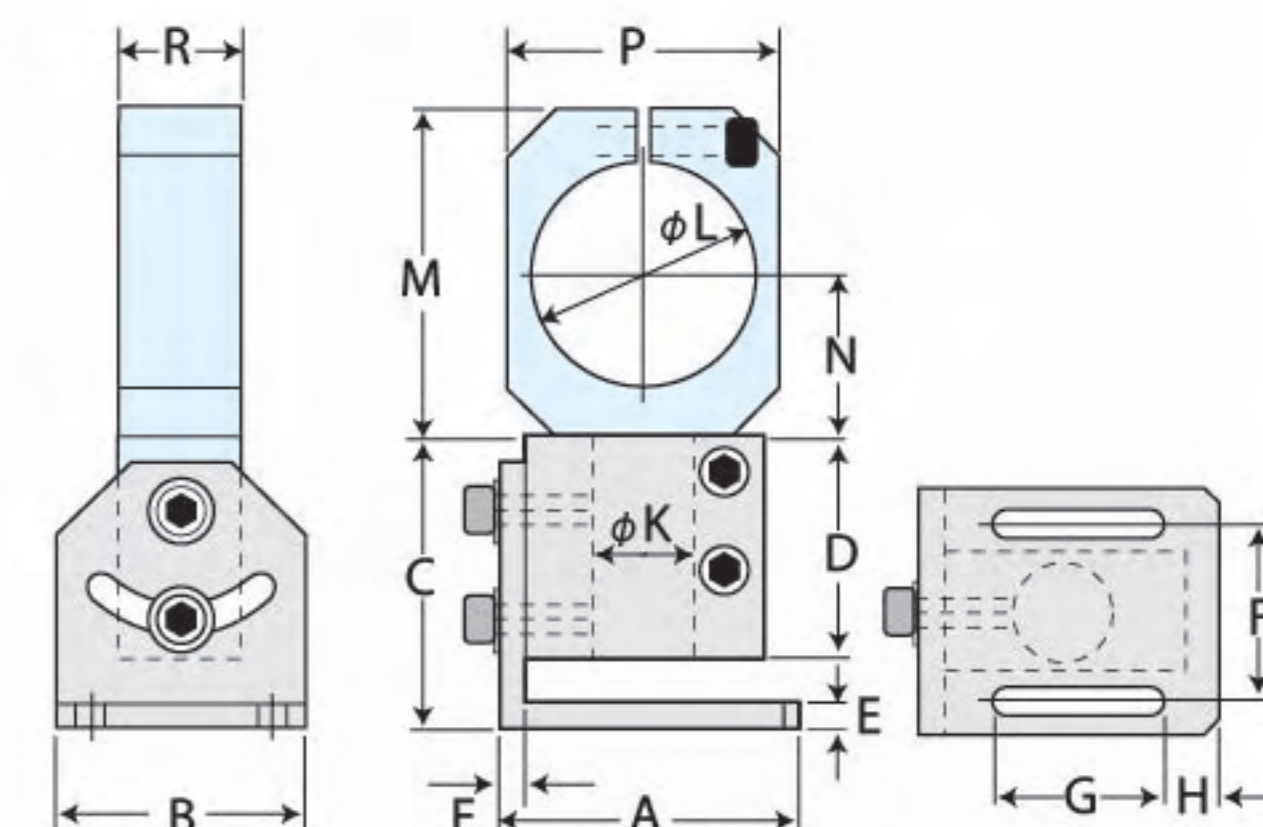
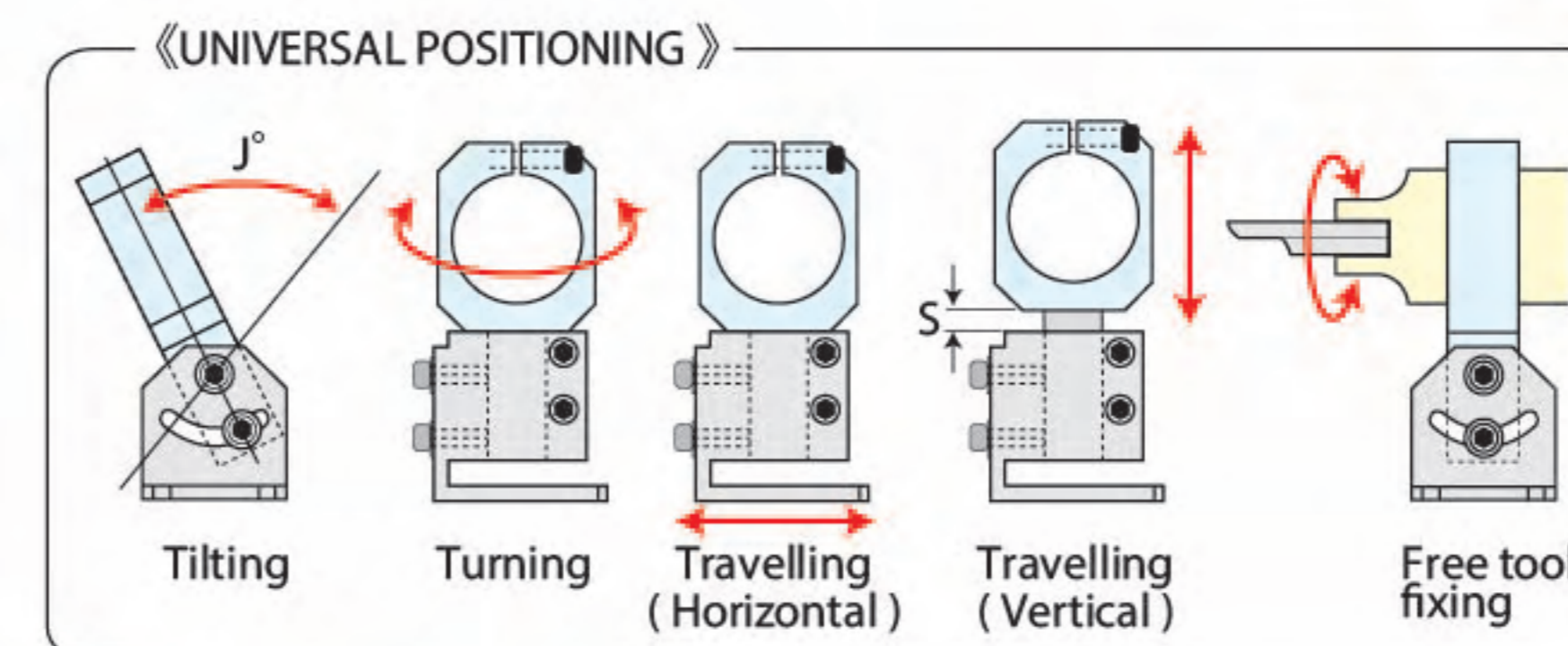
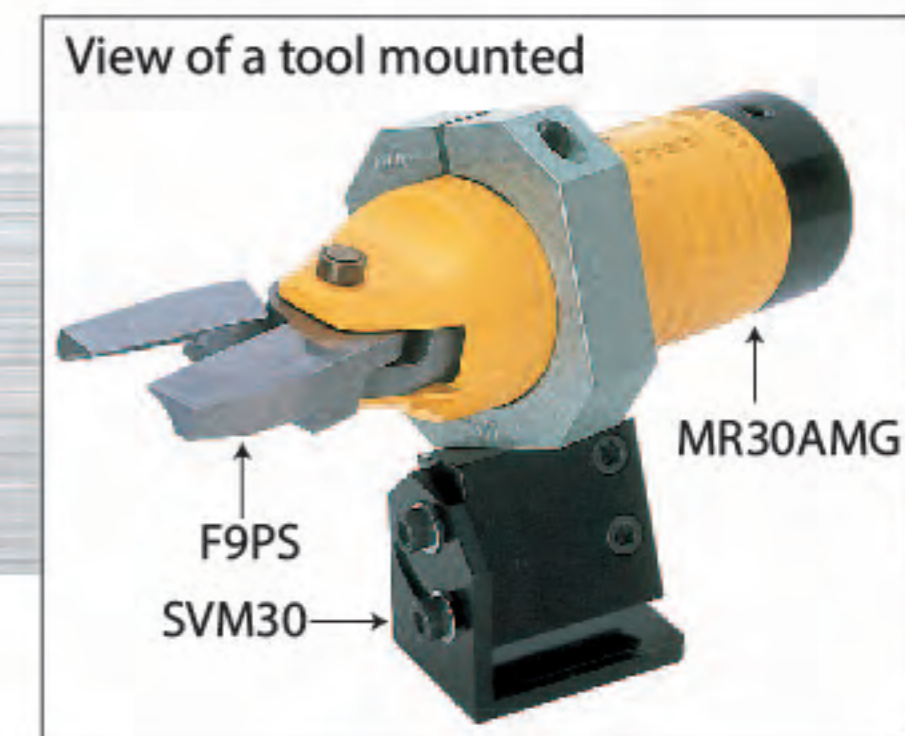
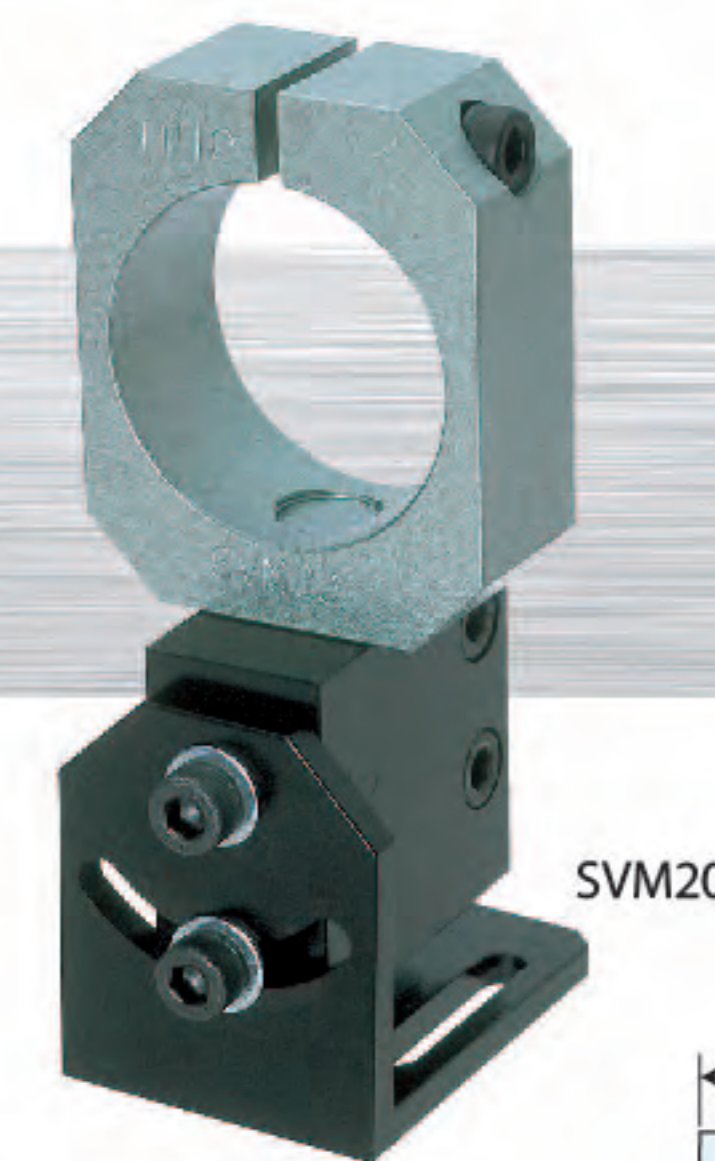
STAND-HOLDER FOOT VALVE TIMING UNIT



STAND-HOLDER

MACHINE-INSTALLATION

SVM Type

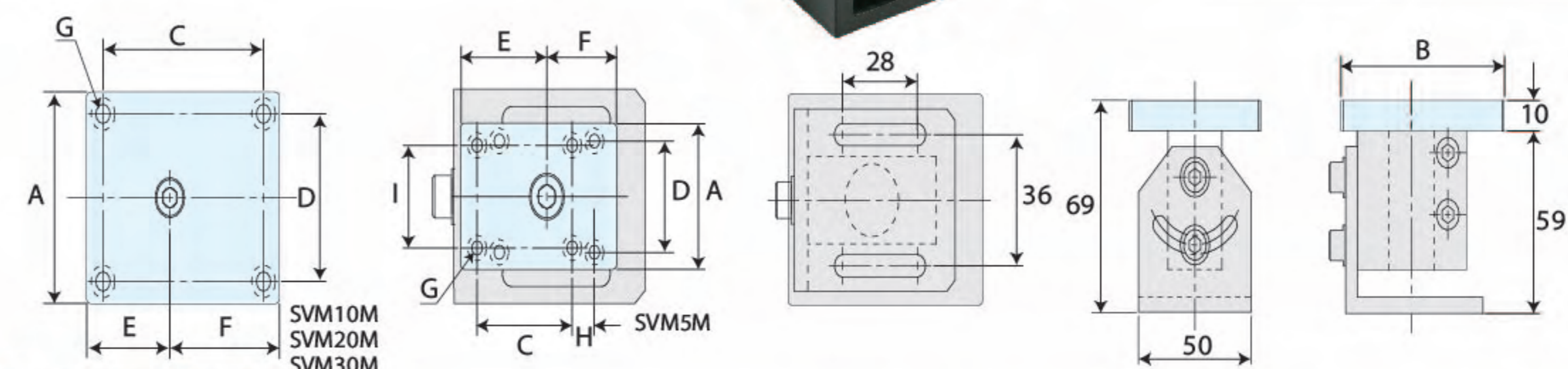
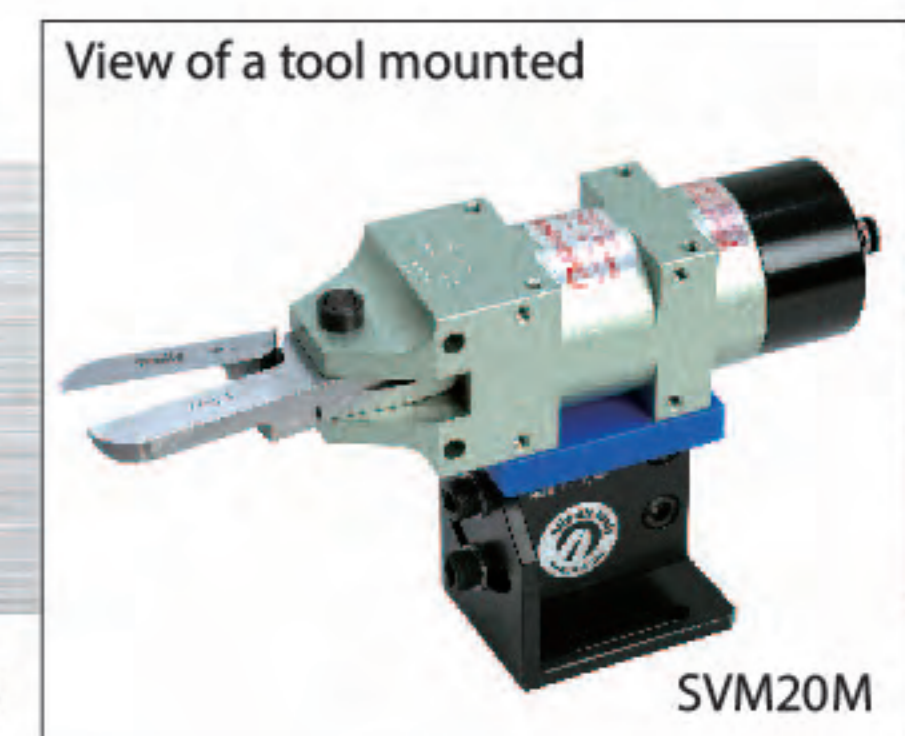


SVM type specification

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 $\phi 45$	60	50	59	45	5	36	34	11	90°	20	45.1	67	33	55	24	15
SVM30	367	MR30AM series of body $\phi 56$	60	50	59	45	5	36	34	11	90°	20	56.1	78	38	70	24	15

MACHINE-INSTALLATION

SVM-M Type



SVM-M type specification

Model	Weight (g)	Applicable air cutters of square (for SVM-M) 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- $\phi 3.3$	12	24
SVM10M	310	MS10, MSP10, MS10G, MSP10G, MS10V, MSB10, WS10, AM10, AH8, AH8D	38	46	30	28	20	26	4- $\phi 4.3$	-	-
SVM20M	327	MS20, MSP20, MS20G, MSP20G, MS20V, MSB20, WS20, AM20, AH20	47	58	40	36	27	31	4- $\phi 4.3$	-	-
SVM30M	340	MS30, MSP30, MS30G, MSP30G, MS30V, MSB30, WS30, AH30	58	72	60	46	31	41	4- $\phi 5.3$	-	-

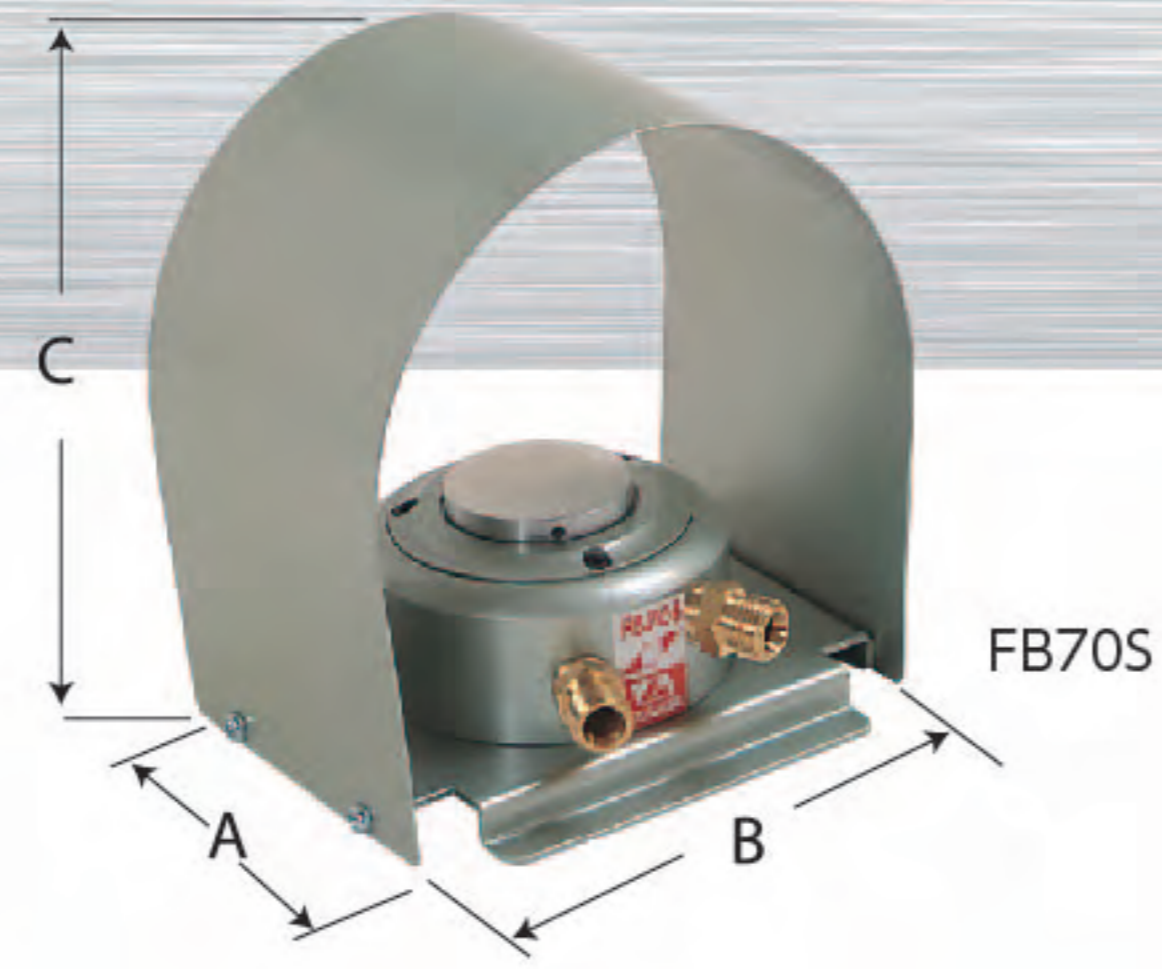
STAND-HOLDER/FOOT VALVE/ TIMING UNIT

FOOT VALVE

FB70S Type

FB70S type specification

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

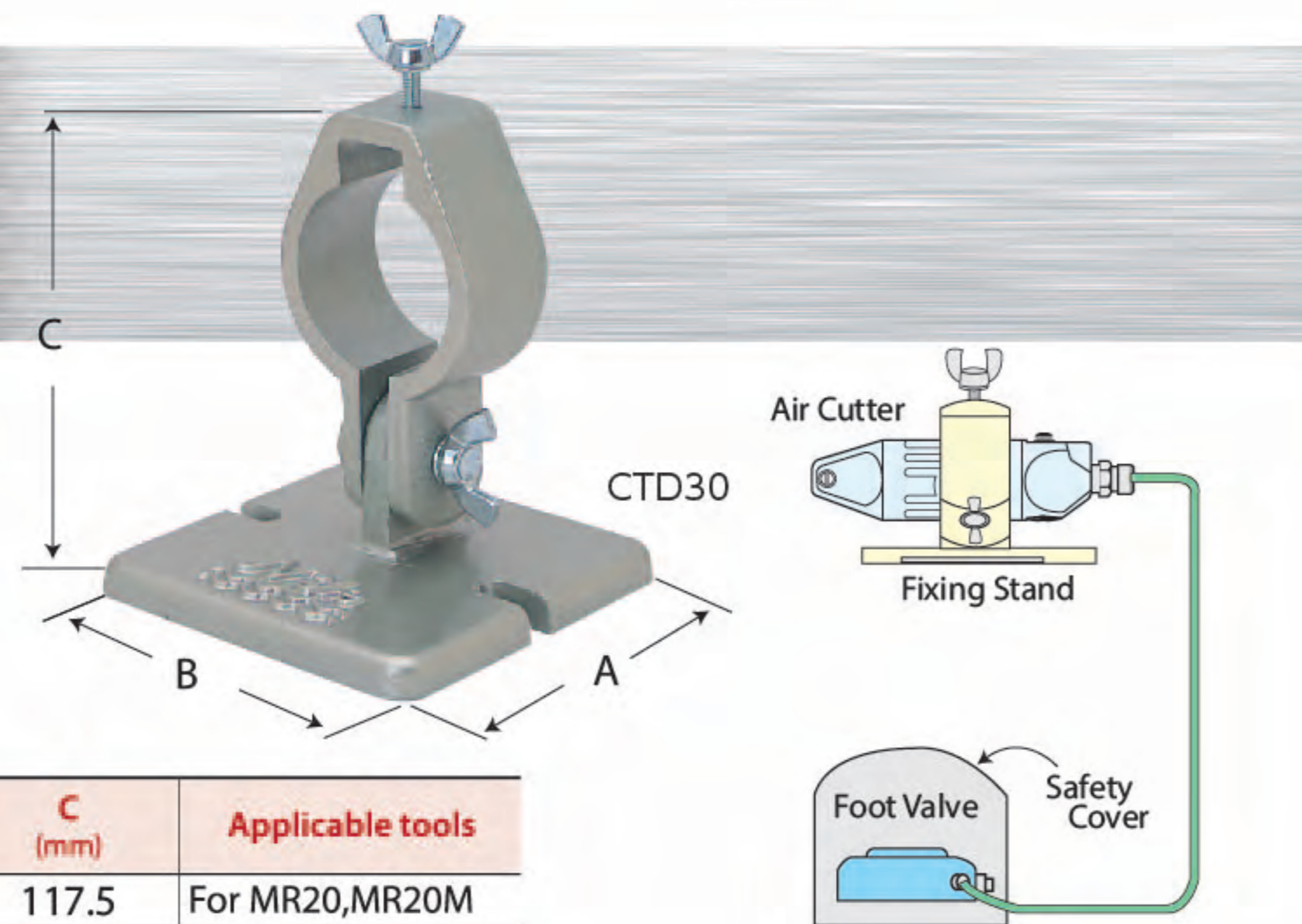


FIXING STAND

CTD Type

CTD type specification

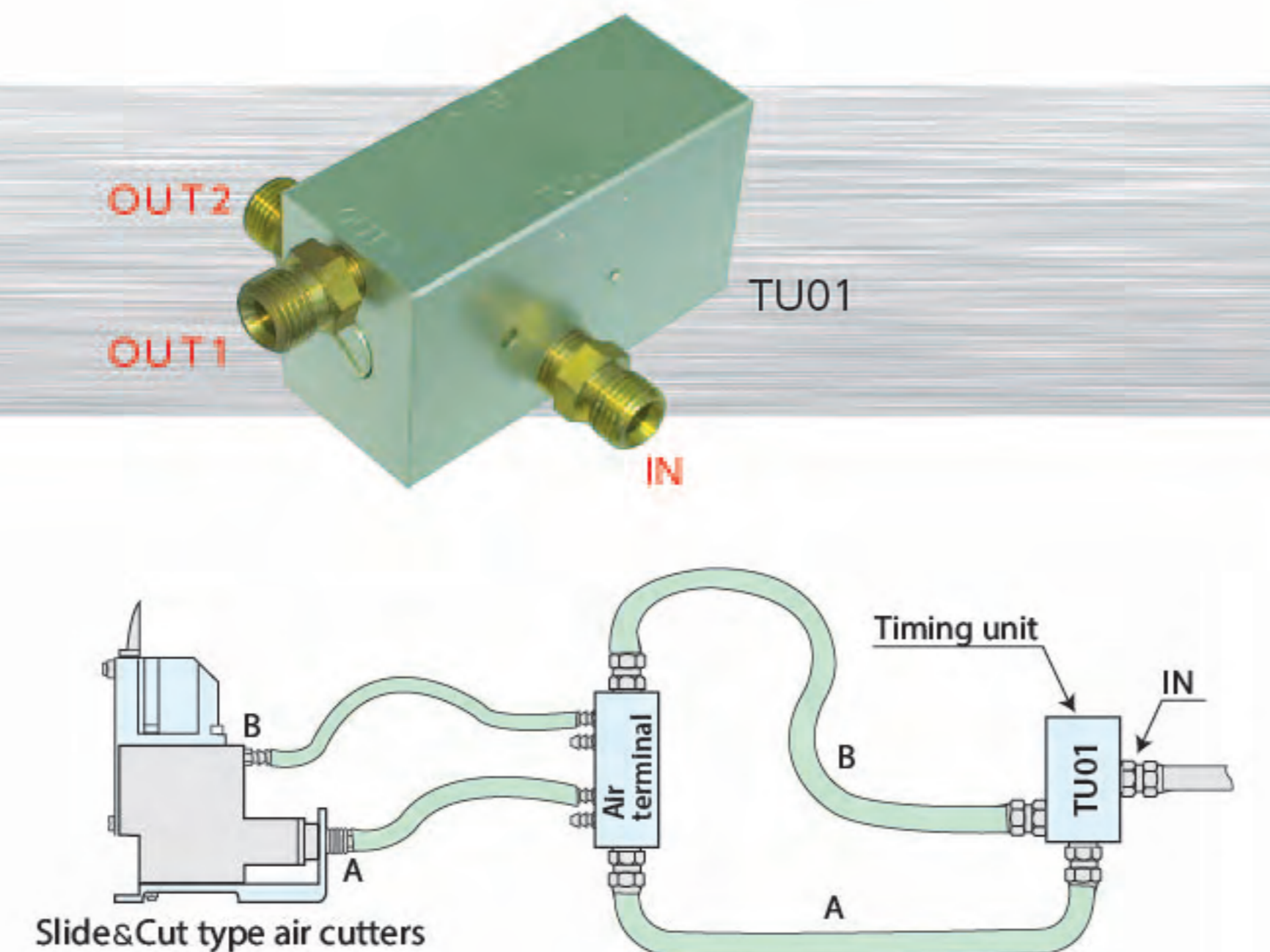
Model	Weight (g)	A (mm)	B (mm)	C (mm)	Applicable tools
CTD20	600	140	120	117.5	For MR20,MR20M
CTD30	500	140	120	117.5	For MR30A,MR30AM
CTD50	2,400	150	150	157.5	For MR50AK,MP55AK



TIMING UNIT

TU01 Type

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 NIPPERS



AIR HEAT NIPPERS

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 to material.
- Operate through solenoid valve or foot-valve(FB70S).
- Cutting speed can be adjusted through Air Regulator.

MACHINE-FITTING TYPE



AH type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Cutting capacity (φmm)	Fitting size		Dimensions (mm)											
				Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	J	K	L	M
AH5	210	64	3.0	G1/8	Outer diameter φ6	76	32	30	14	19	26	34	31	M3D7	21	7	7
AH8	290	116	4.0	G1/8	Outer diameter φ6	94	36	30	18	23	28	36	35	M4D6.5	23	9	8

Model	Input (V)	Output (V)	CAP (VA)	Frequency (Hz)	Weight (g)	Width (mm)	Depth (mm)	Height (mm)	Length of cord (m)
TRF25	AC100	AC25	30	50/60	1,700	80	130	80	1.5



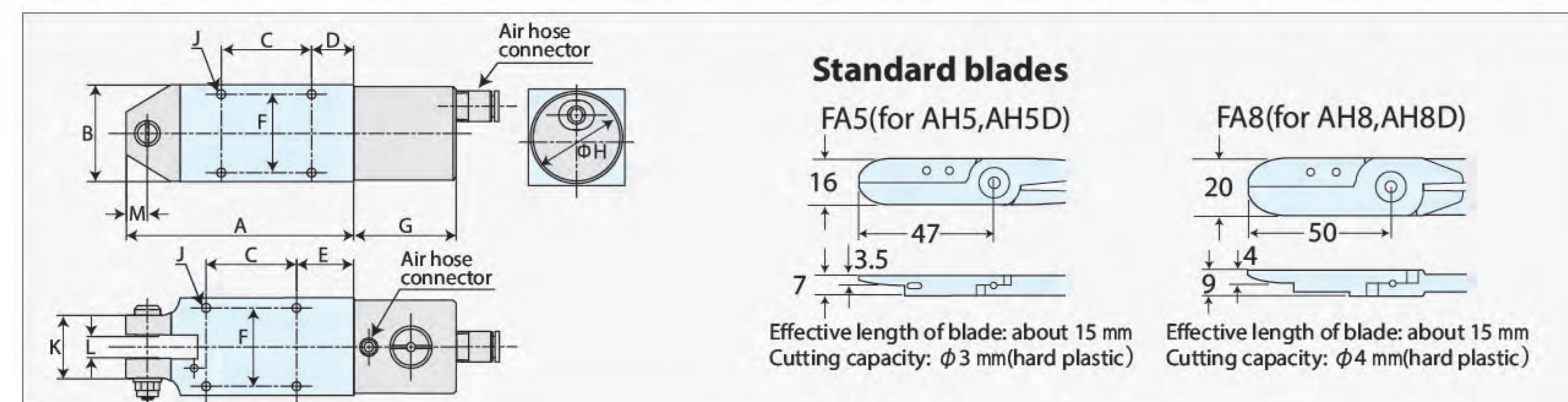
MACHINE-FITTING TYPE



AH-D type specification

Model (less blade)	Weight (g)	Air consumption (cm ³ /stroke)	Cutting capacity (φmm)	Fitting size		Dimensions (mm)											
				Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	J	K	L	M
AH5D	210	64	3.0	G1/8	Outer diameter φ6	76	32	30	14	19	26	34	31	M3D7	21	7	7
AH8D	290	116	4.0	G1/8	Outer diameter φ6	94	36	30	18	23	28	36	35	M4D6.5	23	9	8

Model	Input (V)	Output (V)	CAP (VA)	Frequency (Hz)	Weight (g)	Width (mm)	Depth (mm)	Height (mm)	Length of cord (m)
TRF100D	AC100	AC26	32	50/60	2,000	100	170	105	1.9



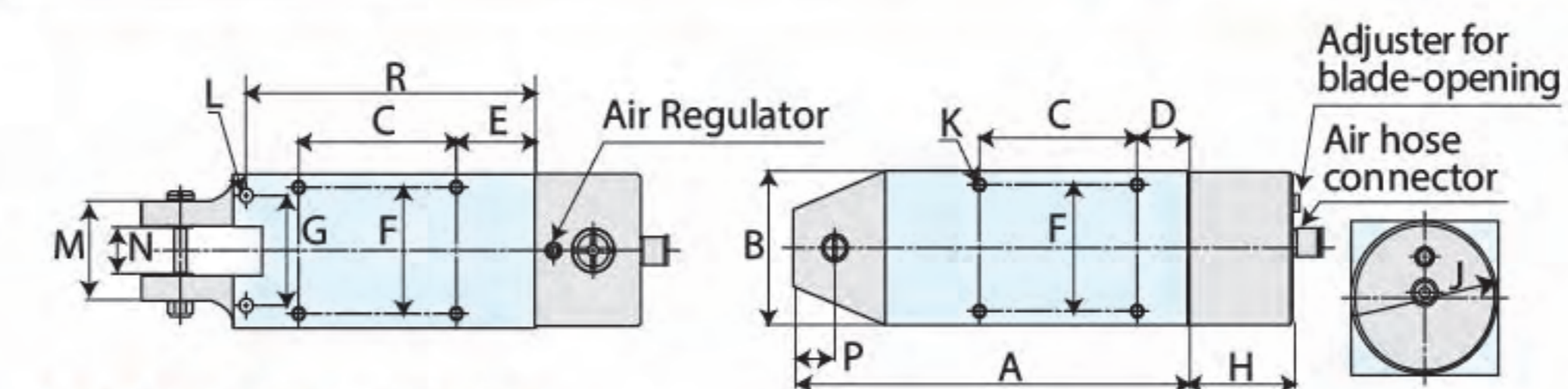
AIR HEAT NIPPERS

- Double-heater can set temperature in wide range between 70~200°C 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.

Digital Indication type transformer

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

MACHINE-FITTING TYPE



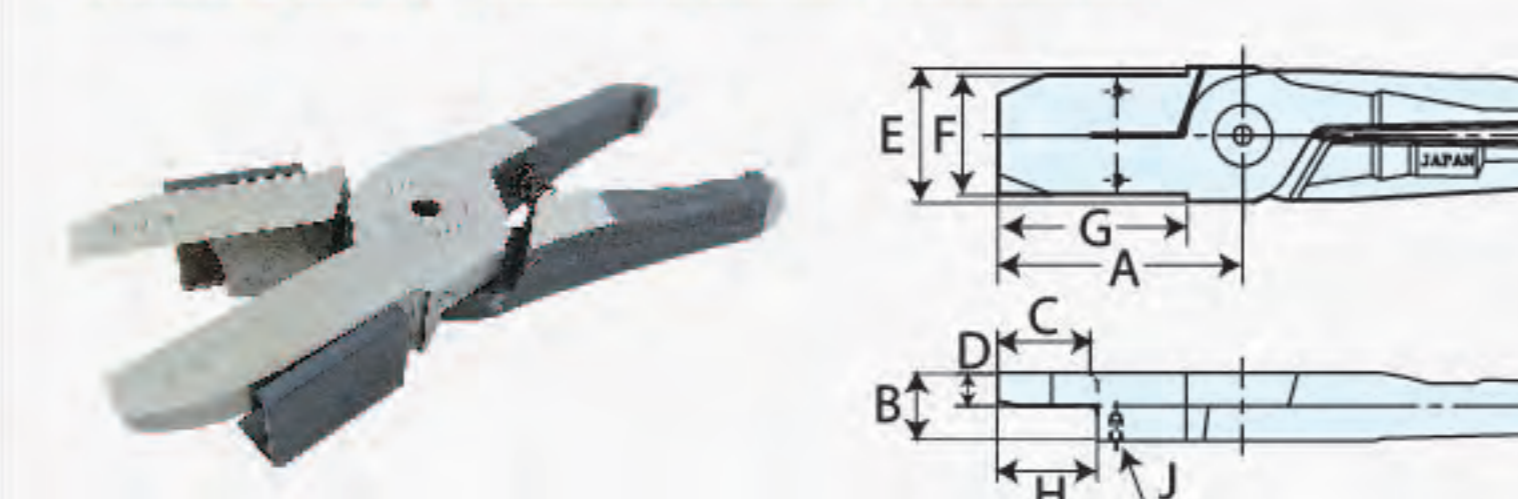
AH type specification

Model (less blade)	Weight (g)	Width (mm)	Height (mm)	Depth (mm)	Air pressure (MPa)	Fitting size		Air consumption (cm ³ /stroke)	Cutting capacity (φmm)
						Hose coupling	Body internal thread		
AH20	505	45	45	149	0.6	G1/8	Outer diameter φ6	262	6.0
AH30	930	56	56	190	0.6	G1/8	Outer diameter φ6	621	7.0

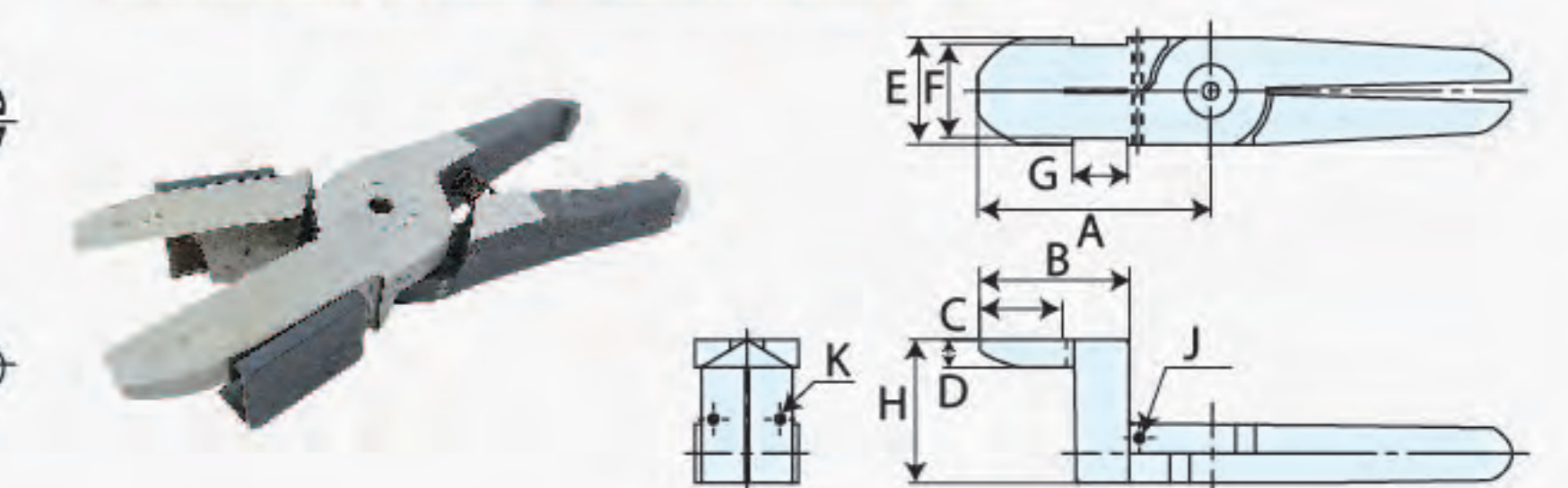
Model (less blade)	Dimensions (mm)															
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	
AH20	109	45	40	19	24	36	30	40	44	M4D8	5.3	26	12	9	81	
AH30	150	56	60	20	30	46	40	40	55	M5D11	5.3	36	17	15	110	

Model	Input (V)	Max output (W)	Rated frequency (Hz)	Length of cord (m)	Temperature setting range(°C)	Weight (g)	Width (mm)	Depth (mm)	Height (mm)
HTR100W	AC100	64	50/60	1.85	70~200	1,200	180	96	101

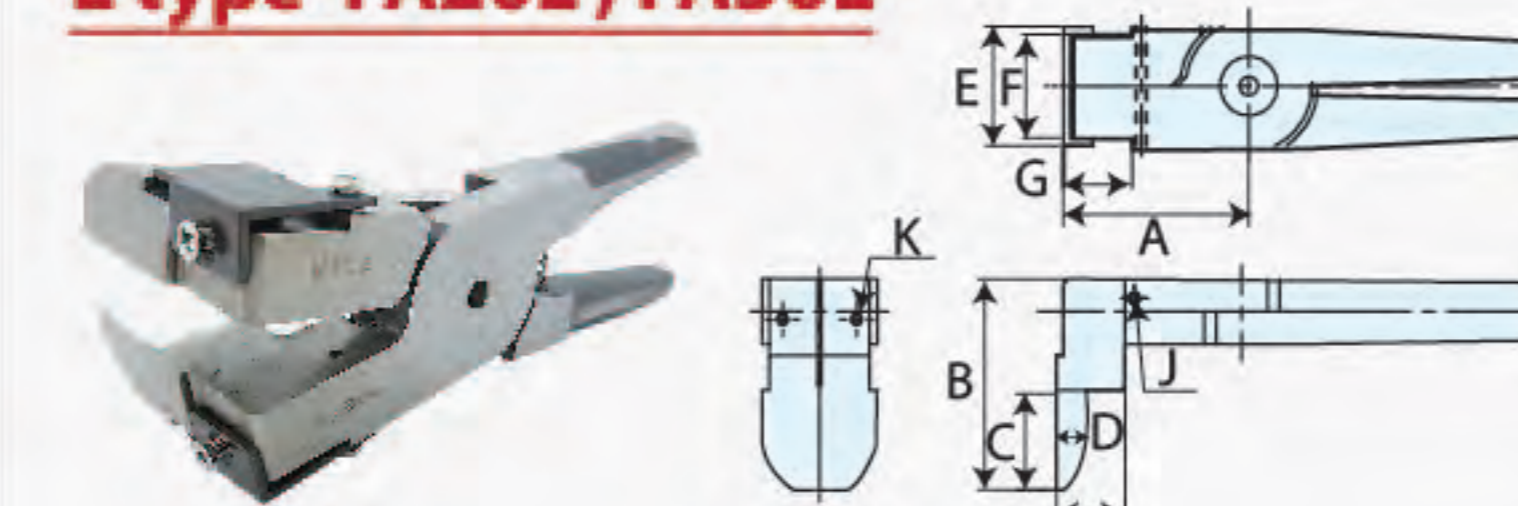
Straight type FA20S, FA30S



Crank type FA20C, FA30C



L type FA20L, FA30L



Model	Blade	A	B	C	D	E	F	G	H	J	K
AH20	FA20S (Straight type)	70	12	20	6	36	23	22	22	M3D5	-
AH30	FA30S (Straight type)	66	17	25	8.5	35	31	51	27	M3D5	-
AH20	FA20L (L type)	36	49	20	5	23	19	18.5	18	M3D6/M3D8	-
AH30	FA30L (L type)	50	55	25	8	31	27	18.5	18.5	M3	M3D8
AH20	FA20C (Crank type)	55	37	20	5	23	19	16.5	30	M3D6/M3D8	-
AH30	FA30C (Crank type)	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.

RH Type

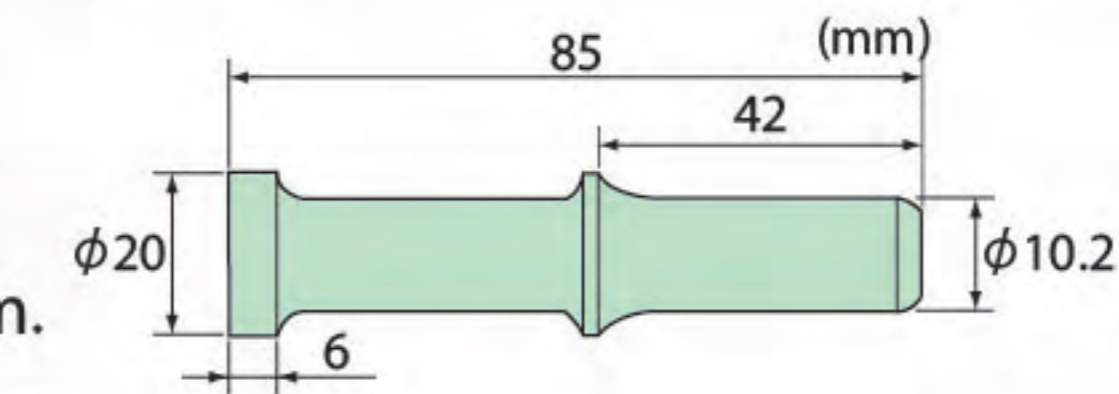
Rationalization and standardization of hammering operations for pins, bushings, collar caps, oil seals, etc.



RVS85

Standard rivet snap

- Strikes hard with a slow rhythm.
 - Low noise and no misses.
- Do not unloaded strike.
After use, express air from tank.



RH25

Standard

Single Blow



- Each operation of the lever generates one blow.

RH80

Standard

Single Blow



- Each operation of the lever generates one blow.

RH90

Standard

Single Blow



- Each operation of the lever generates one blow.

RH100Z

Heavy-duty

Single Blow



- 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



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

Overall length	mm	213
Weight	g	900
Grip size	φmm	37
Air consumption	cm ³ /stroke	135
Air pressure	MPa	0.6
Blowing power	/N	(Approx.)360
Fitting size	Hose coupling	G1/4
	Body internal thread	G1/4

Overall length	mm	254
Weight	g	1,300
Grip size	φmm	45
Air consumption	cm ³ /stroke	135
Air pressure	MPa	0.6
Blowing power	/N	(Approx.)370
Fitting size	Hose coupling	G1/4
	Body internal thread	G1/4

Overall length	mm	328
Weight	g	1,600
Grip size	φmm	43
Air consumption	cm ³ /stroke	651
Air pressure	MPa	0.7
Blowing power	/N	(Approx.)460
Fitting size	Hose coupling	G1/4
	Body internal thread	G1/4

Overall length	mm	328
Weight	g	2,100
Grip size	φmm	43
Tank size	φmm	72
Air consumption	cm ³ /stroke	651
Air pressure	MPa	0.7
Blowing power	/N	(Approx.)470
Fitting size	Hose coupling	G1/4
	Body internal thread	G1/4

Overall length	mm	341
Weight	g	2,100
Grip size	φmm	51
Tank size	φmm	86
Air consumption	cm ³ /stroke	653
Air pressure	MPa	0.7
Blowing power	/N	(Approx.)620
Fitting size	Hose coupling	G1/4
	Body internal thread	G1/4



nile air tools

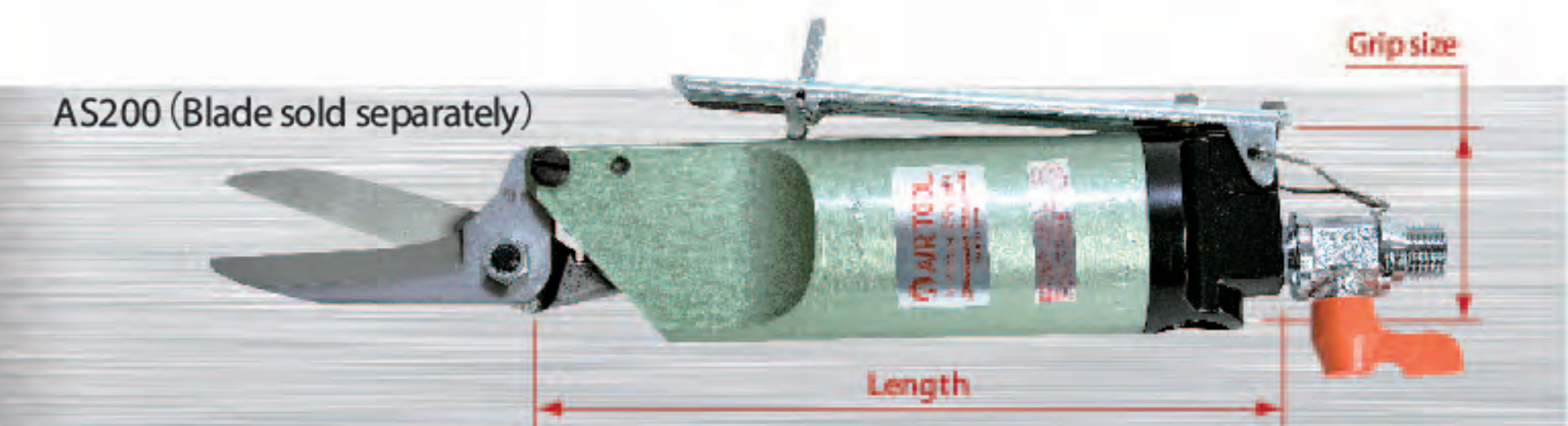
AIR SHEARS AIR PLATE SHEARS AIR MULTI-PURPOSE SCISSORS



AIR SHEARS

AIR SHEARS

AS Type
Standard



ASP Type
Heavy-duty

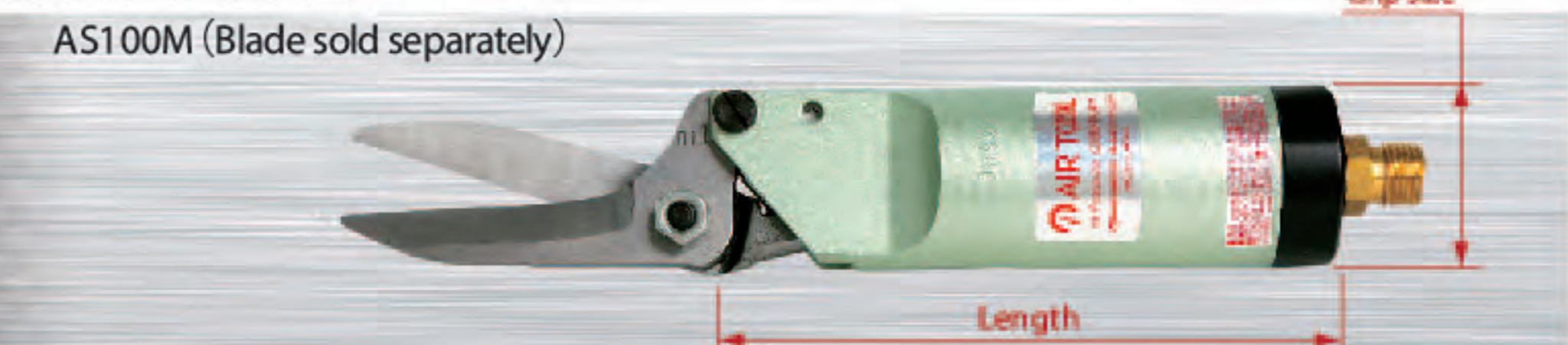


AS/ASP type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	
						Hose coupling	Body internal thread
AS100	140	230	36	137	0.5~0.6	G1/4	G1/4
ASP150	212	300	36	274	0.5~0.6	G1/4	G1/4
AS200	182	500	45	227	0.5~0.6	G1/4	G1/4
ASP250	269	720	45	508	0.4~0.6	G1/4	G1/4

AIR SHEARS MACHINE-FITTING TYPE

AS-M Type
Standard



ASP-M Type
Heavy-duty



AS-M/ASP-M type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Fitting size	
						Hose coupling	Body internal thread
AS100M	120	190	36	137	0.5~0.6	G1/4	G1/4
ASP150M	192	300	36	274	0.5~0.6	G1/4	G1/4
AS200M	148	335	45	227	0.5~0.6	G1/4	G1/4
ASP250M	235	550	45	508	0.4~0.6	G1/4	G1/4

Shapes & Dimensions of Standard Blades (pp.5-10)

▲ Adjuster for blade-opening ★ Blade sold separately

AS/ASP/AS-M/ASP-M type Blade cutting capacity

Model	Blade	Plata (mm)
AS100	No.100S (Straight blade)	0.5×15
AS100M	No.100R (Round shape blade)	
ASP150M	No.100SK (Straight/Reverse blade)	
ASP150	No.100L (Long blade)	0.5×20
	No.100LL (Extra long blade)	
▲AS200	No.200S (Straight blade)	0.8×25
AS200M	No.200R (Round shape blade)	
ASP250M	No.200SK (Straight/Reverse blade)	1.0×10
▲ASP250	No.200L (Longblade)	1.0×15
	No.200LL (Extra long blade)	

Special Blades (Custom-made blades) (pp.11-12)

● No.100S, 200S, 100L, 100LL, 200L, 200LL

● No.100R, 200R
Round shape blade
(The tip is processed to be rounded)

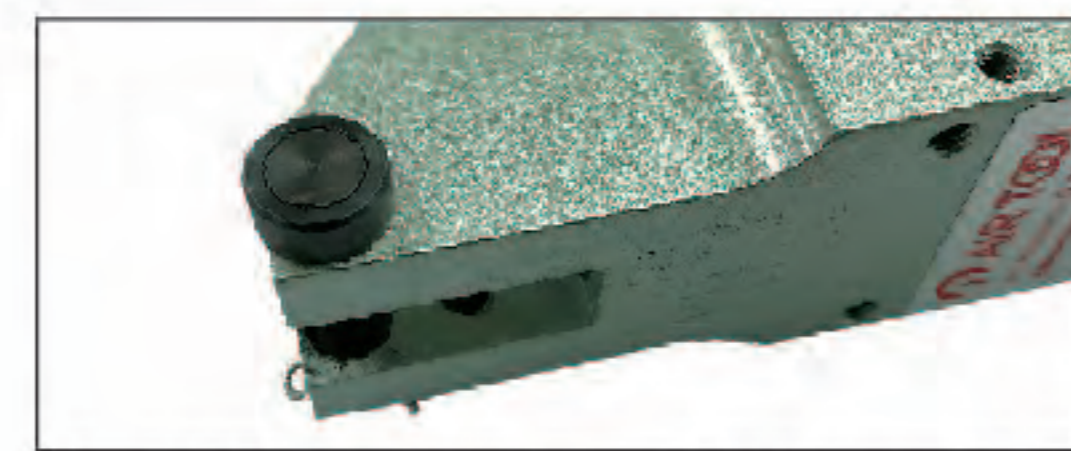
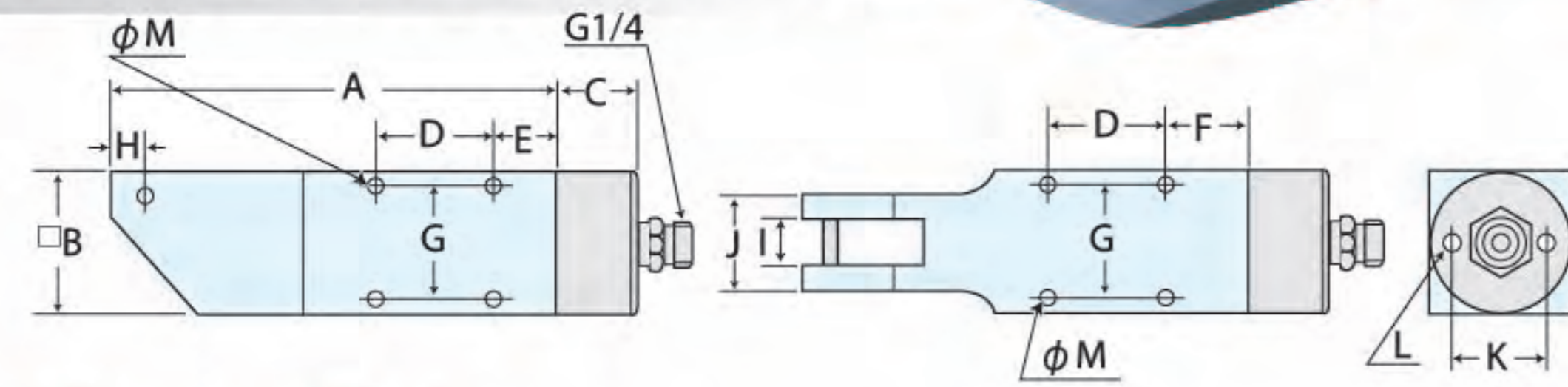
● No.100SK, 200SK
Reverse blade
(The left and right blades are reversed)

Blade	a	b	c	d
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
No.100SK	66	10	15	37
No.200SK	66	10	15	37
No.100L	95	10	20	60
No.200L	95	10	20	60
No.100LL	125	10	30	90
No.200LL	125	10	30	90

AIR SHEARS/ AIR MULTI-PURPOSE SCISSORS

AIR SHEARS MACHINE-FITTING TYPE

AM Type



The AM10G set pin is a quick-disconnect pin.
AM10G is a quick-disconnect fitting.

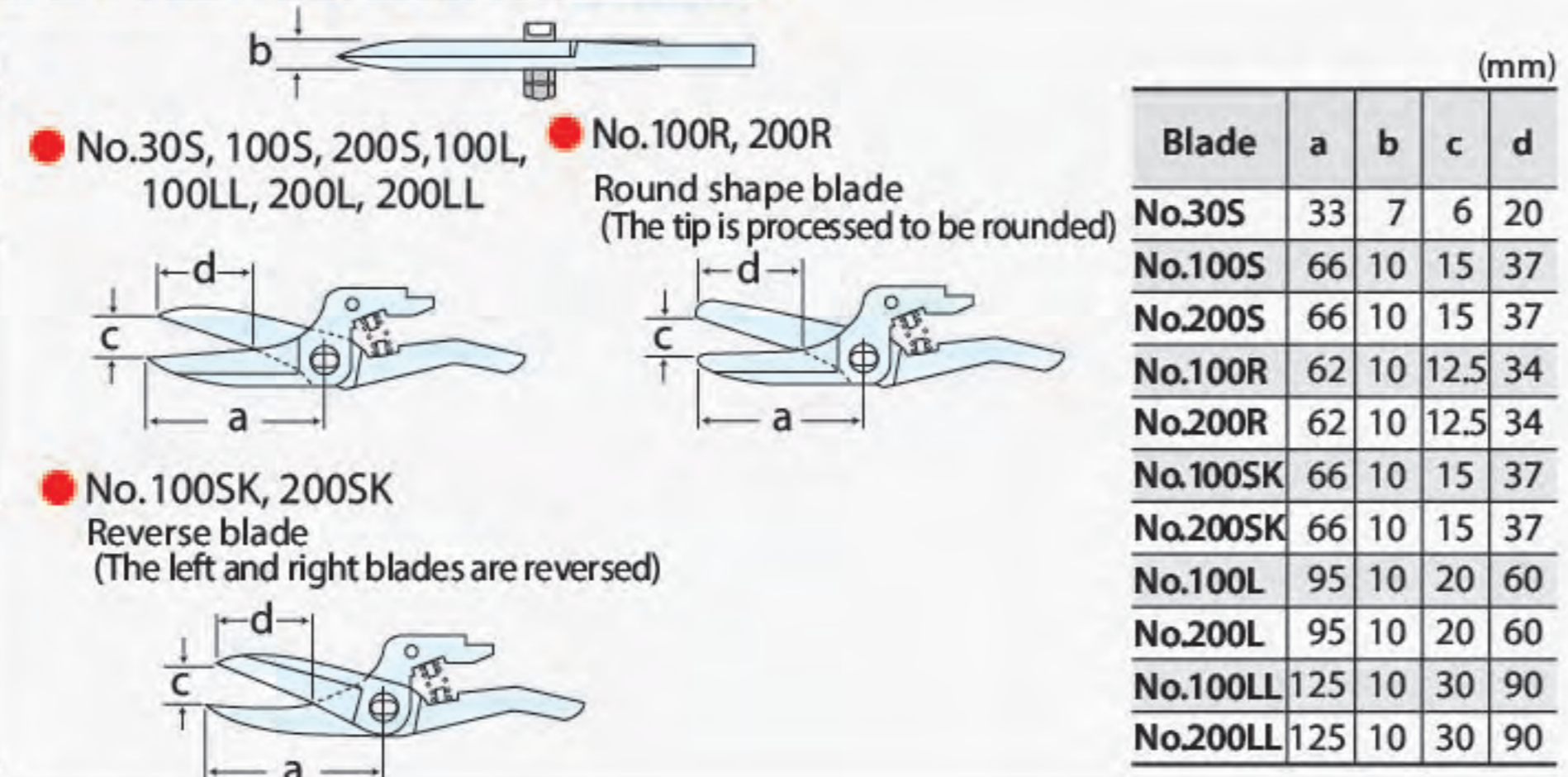
AM type specification

Model (less blade)	Length (mm)	Fitting size		Dimensions (mm)												
		Hose coupling	Body Internal thread	A	B	C	D	E	F	G	H	I	J	K	L	M
AM3	103	G1/8	G1/4	90	20	21	40	19	24	16	7	7	20	-	-	M3
AM10G	109	G1/8	φ6	109	36	20	30	18	23	28	5	10	25.6	24	M4	M4
AM20	507	G1/4	G1/4	139	45	20	40	19	24	36	6	10	26	30	M5	M4

Shapes & Dimensions of Standard Blades pp.5-10 Special Blades (Custom-made blades) pp.11-12

AM type Blade cutting capacity ★ Blade sold separately

Model	Blade	Plata (mm)	Copper wire (φmm)	Dimensions (mm)			
				a	b	c	d
AM3	No.30S	-	0.8				
AM10G	No.100S (Straight blade)	0.5x15	-	-	-	-	-
	No.100R (Round shape blade)						
	No.100SK (Straight/Reverse blade)						
	No.100L (Long blade)						
AM20	No.100LL (Extra long blade)	0.8x25	-	-	-	-	-
	No.200S (Straight blade)						
	No.200R (Round shape blade)						
	No.200SK (Straight/Reverse blade)						
	No.200L (Longblade)	1.0x10	-	-	-	-	-
	No.200LL (Extra long blade)						
	No.200LL (Extra long blade)						



AIR MULTI-PURPOSE SCISSORS

GS Type

Versatile to cut a wide variety of materials, such as light sheet metal, vinyl cloth, paper, etc.



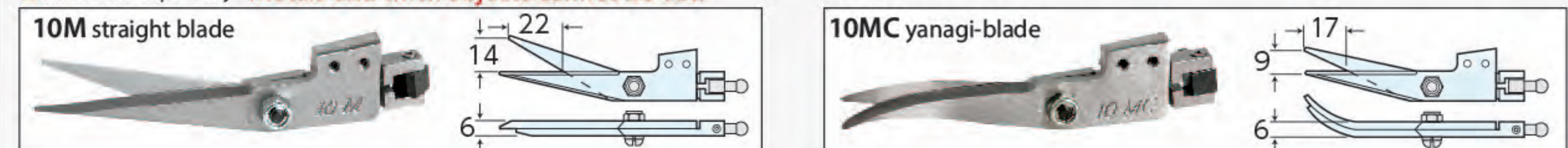
GS01 (Blade sold separately) front exhaust

GS02 (Blade sold separately) rear exhaust

GS type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Air consumption (ℓ/min.)	Air pressure (MPa)	No. of operation (time/minute)	Fitting size	
							Hose coupling	Body Internal thread
GS01	140	500	36	390(Actual value)	0.5~0.6	12,000	G1/4	G1/4
GS02							G1/4	Internal thread

Blade The material is high speed steel, and the shape is straight blade and Yanagi-blade.
★ Blade sold separately Metals and thick objects cannot be cut.



AIR PLATE SHEARS

AIR PLATE SHEARS

PSH05 Type MINI PLATE SHEARS



PSH05 (Blade sold separately)

PSH05 type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Air consumption (ℓ/min.)	Air pressure (MPa)	No. of operation (time/minute)	Fitting size
PSH05	173	700	40	360(Actual value)	0.55~0.65	1,220	G1/4 Internal thread

★ Blade sold separately 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(High Speed chip)			

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



● Stainless steel up to 0.4mm thick can be cut when E250H(High speed chip) is used.

AIR PLATE SHEARS

PSH10 Type



PSH10 (Blade sold separately)

PSH10 type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Air consumption (ℓ/min.)	Air pressure (MPa)	No. of operation (time/minute)	Fitting size
PSH10	224	1,230	40	450(Actual value)	0.55~0.65	1,900	G1/4 Internal thread

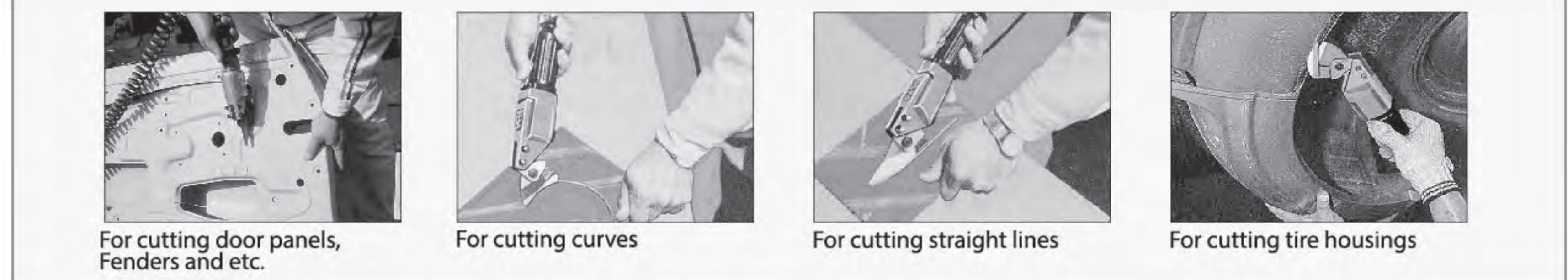
★ Blade sold separately PSH10 type Blade cutting capacity (mm)

Model	Blade	Metal Plate	Aluminum Plate	Resin Plate
PSH10	E300	1.2	1.2	2.5 (W/E300)
	E300S			
	E300ZN (Carbide tipped)			
	E300H(High Speed chip)			

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



● In addition to the above, E300H (with High-speed steel tip) is available, which can cut stainless steel up to 0.8mm thick. (Appearance is the same as E300).



For cutting door panels, fenders and etc.

For cutting curves

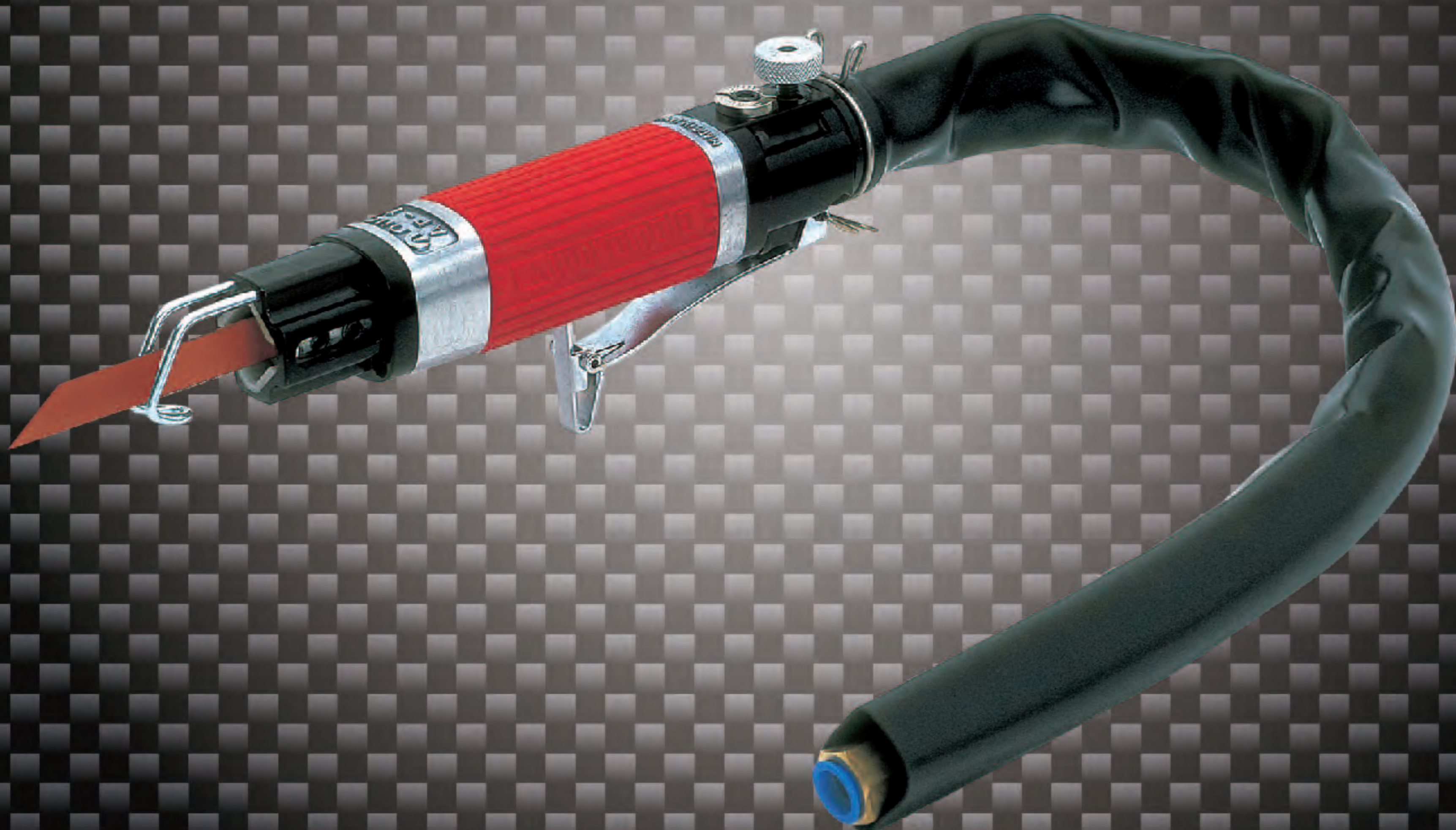
For cutting straight lines

For cutting tire housings



nile air tools

AIR FIL-SAWS



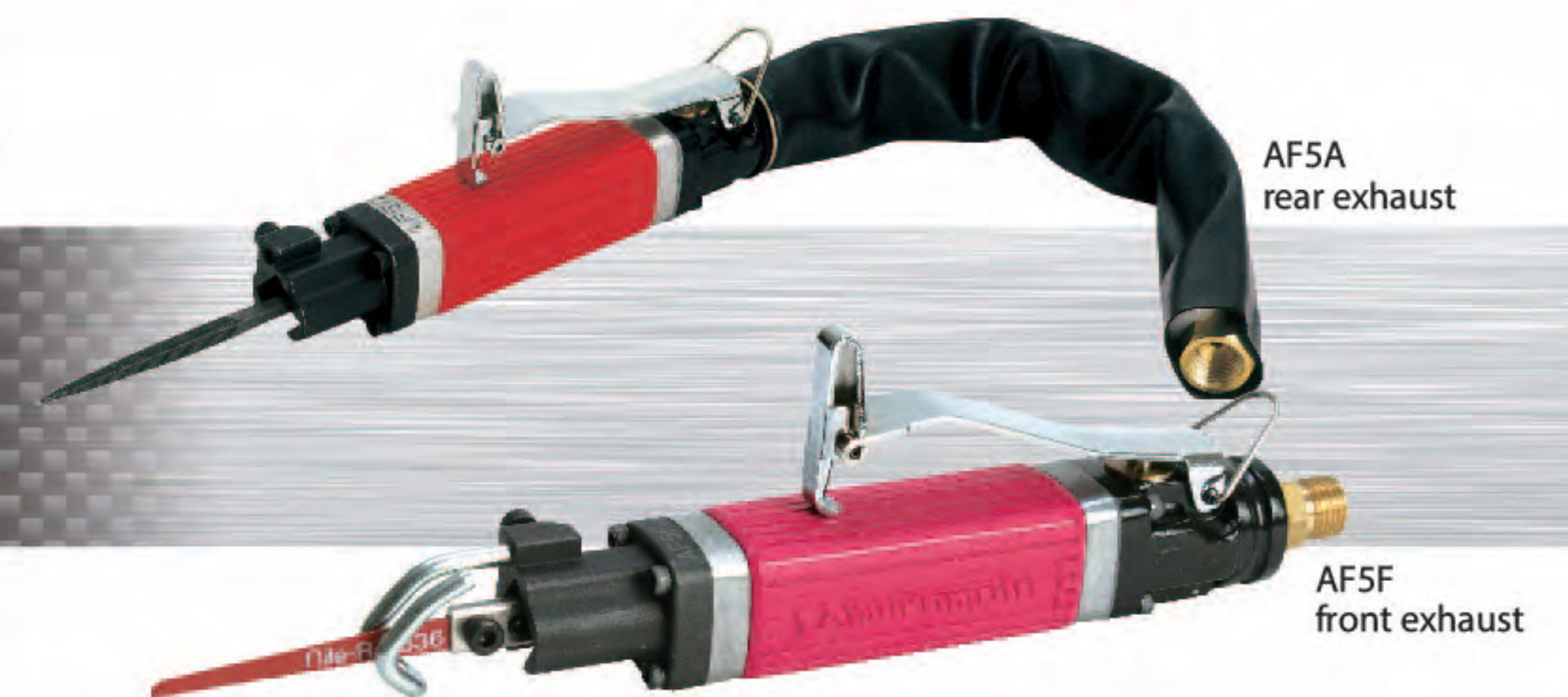
AIR FIL-SAWS

Light in weight and silent in operation

APPLICATIONS

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

AF5 Type



AF5 type specification Parentheses include muffler section

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Airconsumption (ℓ/min.)	Air pressure (MPa)	Stroke (mm)	Reciprocating speed (strokes/min.)	Cutting capacity (Metal plate) mm/min(approx.)	Fitting size	
									Hose coupling	Body internal thread
AF5A	158 (400)	380 (475)	29×29	150 (Actual value)	0.55~0.65	5	3,500	1mm Plate 500	G1/8	G1/4 Internal thread
AF5F	158	380	29×29	150 (Actual value)	0.55~0.65	5	3,500	1mm Plate 500	G1/8	G1/4

Standard accessories : 2 special saw blades (1 with saw blade holder and saw blade only), 1 each of flat, round, and triangular file.

Saw blade(Standard)

Teeth/ inch	Model&Shape
36	R0536

File(Standard)

Model	Shape
AFF50 Flat	
AFR50 Round	
AFT50 Triangular	

Saw blade(OPTION) This one has 10 pieces

Teeth/ inch	Model&Shape
36	R0536

File (OPTION)

Model	Shape
AFF50 Flat	
AFR50 Round	
AFT50 Semicircle	

File for aluminum(OPTION)

Model	Shape
AFF50A Semicircle	
AFF50A Flat	
AFR50A Round	

AF Type



AF type specification Parentheses include muffler section

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Airconsumption (ℓ/min.)	Air pressure (MPa)	Stroke (mm)	Reciprocating speed (strokes/min.)	Cutting capacity (Metal plate) mm/min(approx.)	Fitting size	
									Hose coupling	Body internal thread
AF7S	180 (670)	650 (800)	39×37	210 (Actual value)	0.55~0.65	5	8,400	1mm Plate 850 3mm Plate 135	G1/4	Internal thread
AF7	180 (670)	650 (800)	39×37	210 (Actual value)	0.55~0.65	7	6,900	1mm Plate 900 3mm Plate 135	G1/4	Internal thread
AF10S	201 (690)	750 (900)	39×37	210 (Actual value)	0.55~0.65	10	5,500	1mm Plate 1,000 3mm Plate 180	G1/4	Internal thread

Standard accessories : 3 saw blades (AF1032-2pc, R1032-1pc), 1 each of flat, round, and triangular file.

Saw blade(Standard)

Teeth/ inch	Model&Shape
32	AF1032
32	R1032

File(Standard)

Model	Shape
AFF50 Flat	
AFR50 Round	
AFT50 Triangular	

Saw blade(OPTION) This one has 10 pieces

Teeth/ inch	Model&Shape
32	AF1032/Standard saw blade
32	R1032/For large circular cutting (For general steel)
36	SR1036/For small circular cutting (For general steel)
10	R1010/Urethane
14	W1014/Wood Aluminum

File (OPTION)

Model	Shape
AFF50 Semicircle	
AFF50A Semicircle	
AFF50A Flat	
AFR50A Round	



nile air tools

MINI BELTERS CABLE CUTTERS AIR TWISTER



MINI BELTERS

- Lightweight and compact design with low noise level.
- Grinding work in narrow areas can be done easily.
- Clean grinding surface.
- Speed can be adjusted according to material and work.

MINI BELTERS

MB20 Type

MB20
<Belt Size 20mm>



For use in limited places or for spot sanding

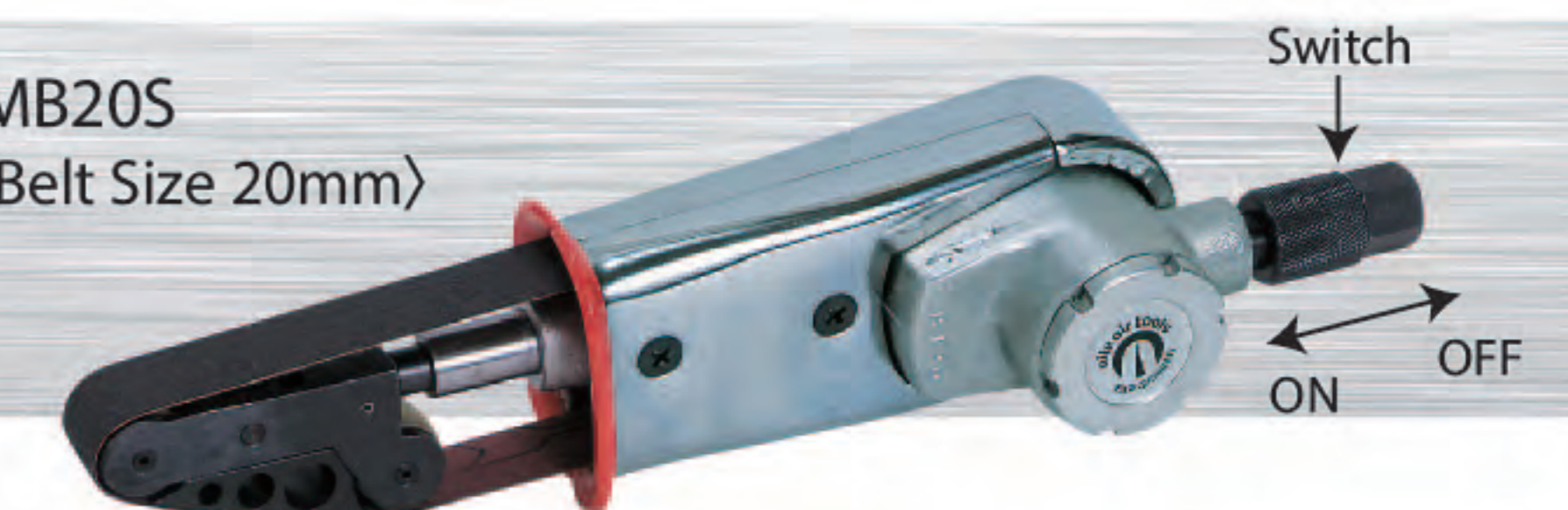
MB20 type specification Standard accessories 1 each of #60 and #100

Model (less blade)	Length (mm)	Weight (g)	Air consumption (ℓ/min.)	Air pressure (MPa)	RPM (Unloaded) (rpm)	Fitting size	note
MB20	290	930	435(Actual value)	0.5~0.6	14,000~15,000 (0.6Mpa)	G1/4 Internal thread	12R (Front part)

MINI BELTERS

MB20S Type

MB20S
<Belt Size 20mm>



3-point belt suspension makes sanding more smooth

MB20S type specification Standard accessories 1 each of #60 and #100

Model (less blade)	Length (mm)	Weight (g)	Air consumption (ℓ/min.)	Air pressure (MPa)	RPM (Unloaded) (rpm)	Fitting size	note
MB20S	290	1,080	435(Actual value)	0.5~0.6	14,000~15,000 (0.6Mpa)	G1/4 Internal thread	12R (Front part)

For grinding during automotive sheet metal repair

- Spot weld sanding operation.
- Paint removal work on flat and curved surfaces.
- Adhesive scraping operation
- Welding bead grinding operation.
- Wood processing.
- Deburring of small metal products.
- Finishing work.
- Rust removal work.
- Other grinding operations.

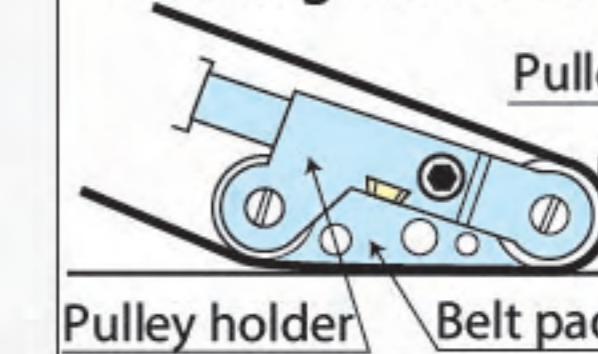


Paint removal work on concave surfaces



Paint removal work on flat surfaces.(MB20S)

Sanding flat surface



Sanding curved surface



Zirconia Belt features

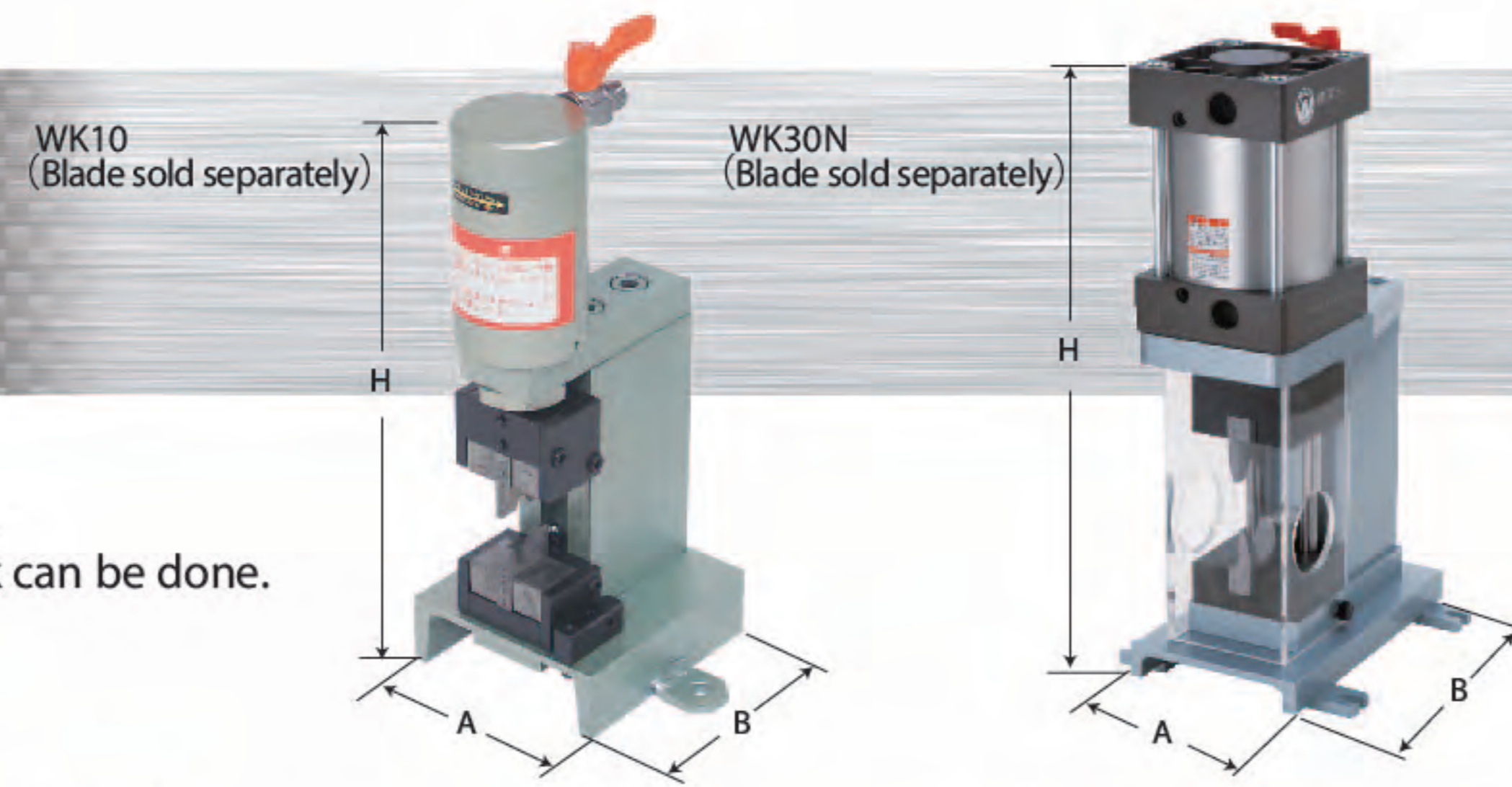
With a hardness of 95 compared to 100 diamonds, it is highly durable and rust and beads can be easily removed.

Product name	Model	Belt Size (mm)	Type
Belt (Per box 20pcs)	# 40	20x520	MB20 MB20S
	# 60		
	# 100		

CABLE CUTTERS/AIR TWISTER

CABLE CUTTERS

WK Type



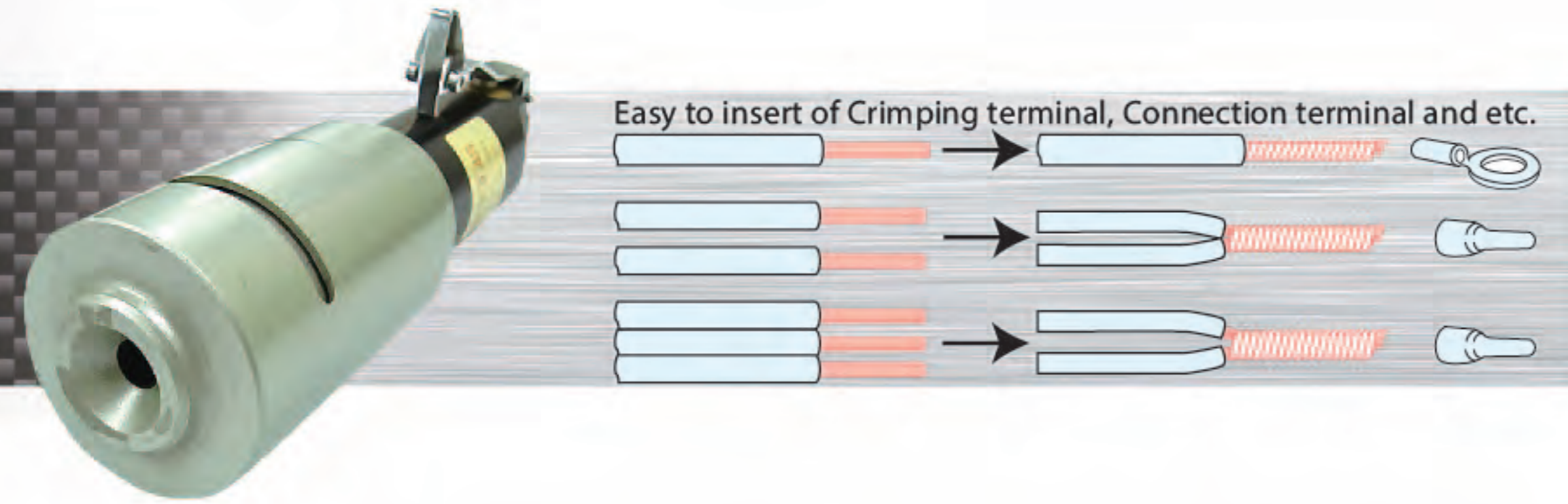
- Cutting of iron plate. Cutting of nylon tube.
By changing the blade, various cutting work can be done.
- With safety cover

WK type specification ★ Blade sold separately ※ Built to order

Model (less blade)	Weight (kg)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Blade	Cutting capacity (φ mm)	A (mm)	B (mm)	H (mm)	Fitting size
※WK10	6	639	0.5~0.65	VOHR5	Cable : until 7mm	100	110	268.5	G1/4
WK30N	21	5,000	0.5~0.65	VOHR10	Cable : until 30mm	125	216	394	G1/4

AIR TWISTER

RC6 Type



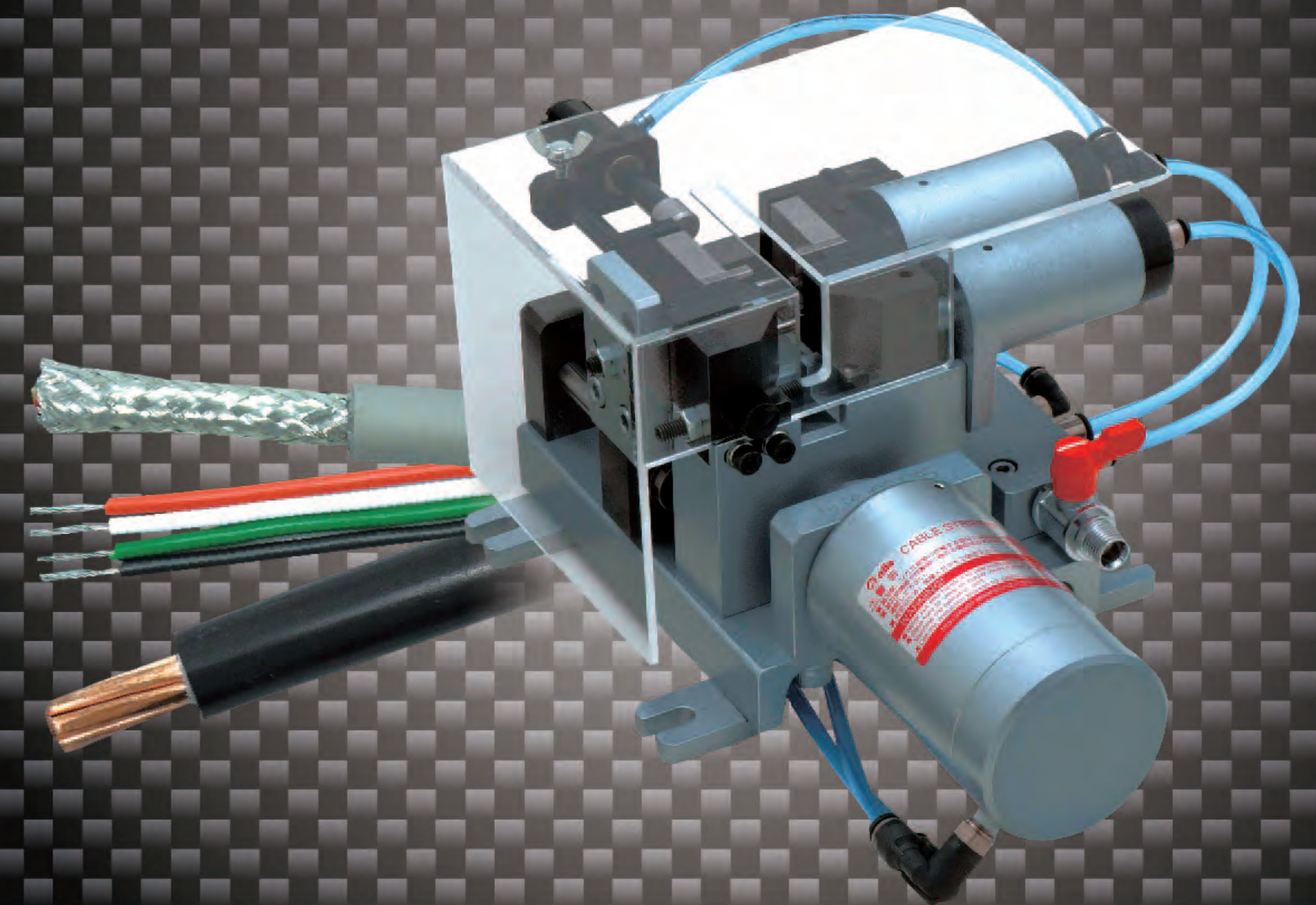
RC6 type specification

Model	Length (mm)	Weight (g)	Grip size (φ mm)	Air consumption (cm ³ /stroke)	Rotations Speed (min)	Twist capacity
RC6	180	830	38	45	1,900	1~5



nile air tools

CABLE STRIPPERS



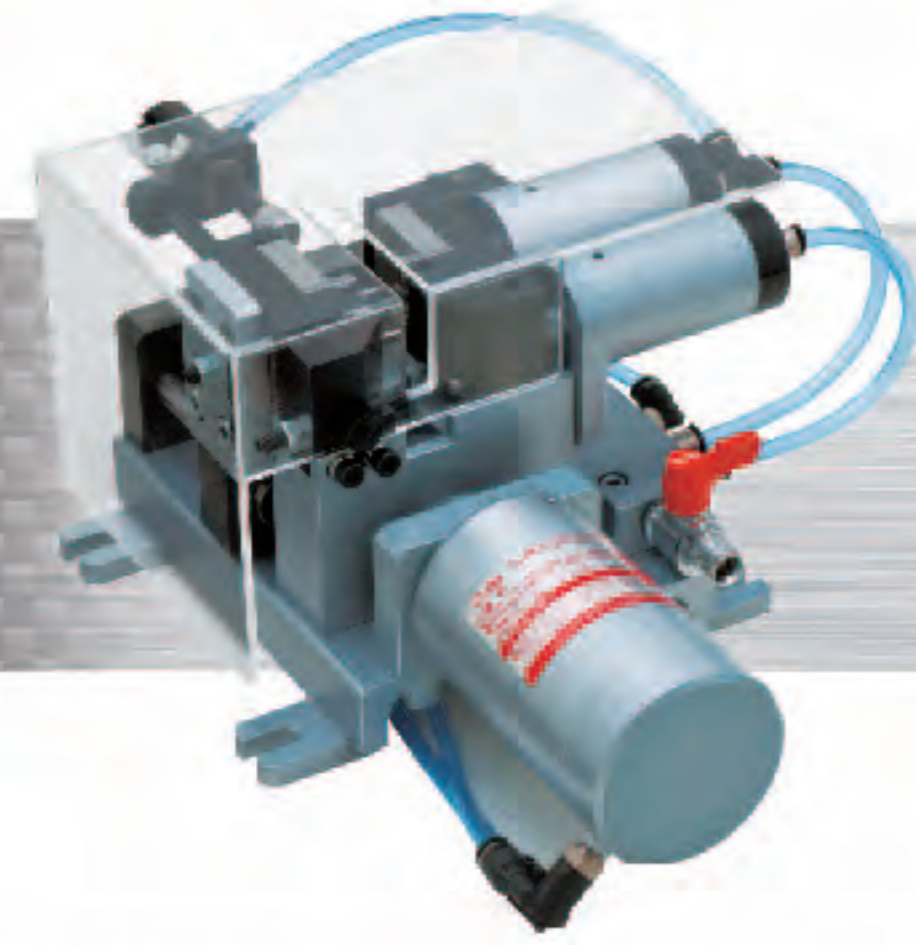
Half automation of the electric cable stripping

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

CST35 Type



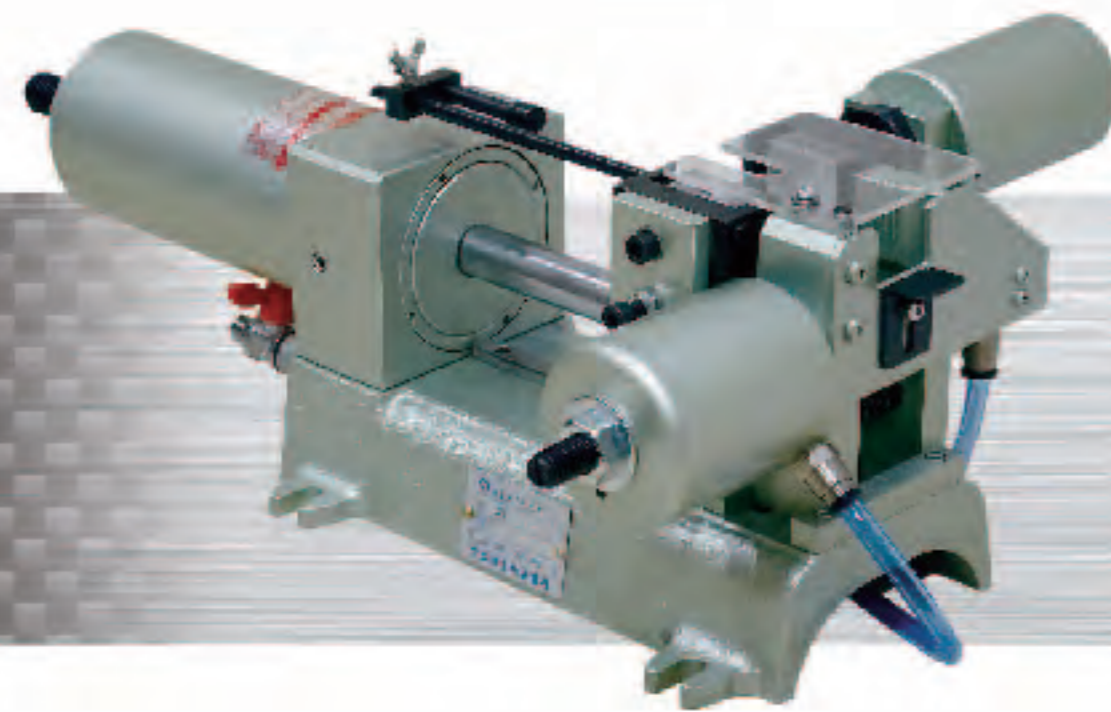
For thin cable
It's suitable for the high-speed stripping of the thin cable.

CST35 type specification ※Standard accessories: FB70S (Foot valve) and UH2 (Straight hose)

Model (less blade)	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Stripping capacity φ (mm)	Stripping length (mm)	Fitting size
CST35	260	8.0	100	150	850	0.5~0.6	up to φ5mm outer dia.	30	G1/4

★Blade sold separately

CST100 Type



The most standard type
It can perform the complex stripping.

CST100 type specification ※Standard accessories: FB70S (Foot valve) and UH2 (Straight hose)

Model (less blade)	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Stripping capacity φ (mm)	Stripping length (mm)	Fitting size
CST100	420	13.5	169	318	3,000	0.5~0.6	up to φ15mm outer dia.	100	G1/4

★Blade sold separately

CST110 Type



Improvement of type CST100
Safety cover is attached. It can smoothen the discharge of waste.

CST110 type specification ※Standard accessories: FB70S (Foot valve) and UH2 (Straight hose)

Model (less blade)	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Stripping capacity φ (mm)	Stripping length (mm)	Fitting size
CST110	470	21	200	275	3,100	0.5~0.6	up to φ15mm outer dia.	100	G1/4

★Blade sold separately

CABLE STRIPPERS

CST100L Type



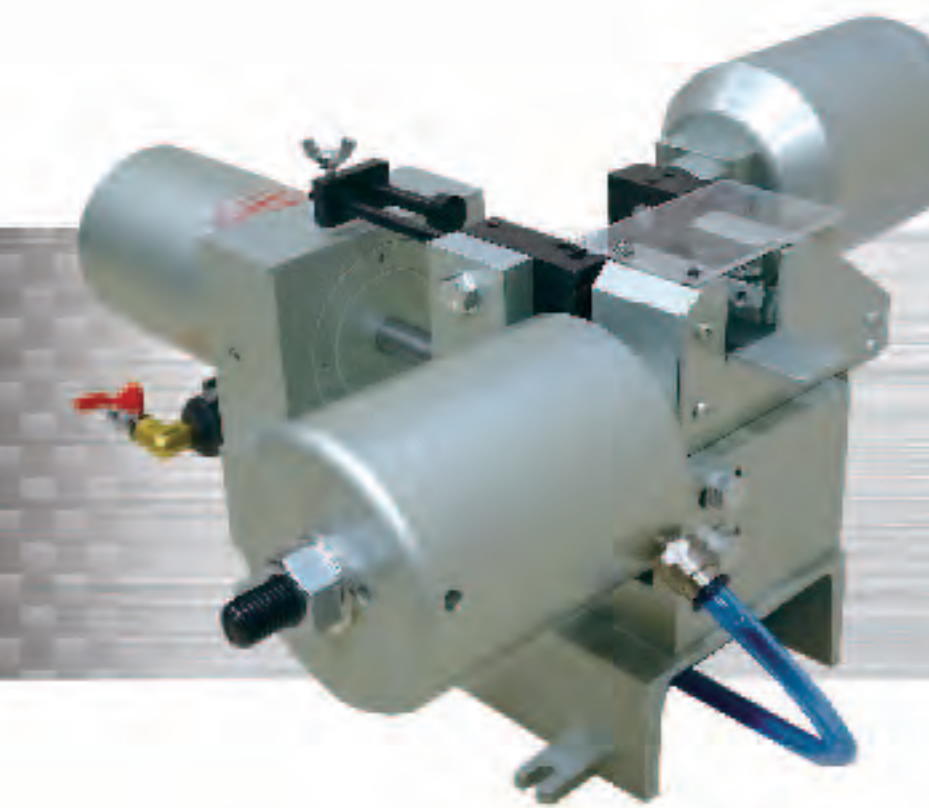
Long type
It is suitable for stripping long dimension cable.

CST100L type specification ※Standard accessories: FB70S (Foot valve) and UH2 (Straight hose)

Model (less blade)	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Stripping capacity φ (mm)	Stripping length (mm)	Fitting size
CST100L	785	18	155	300	5,872	0.5~0.6	up to φ15mm outer dia.	65~200	G1/4

★Blade sold separately

CST120 Type



Large type
It is suitable for stripping of large diameter cable.

CST120 type specification ※Standard accessories: FB70S (Foot valve) and UH2 (Straight hose)

Model (less blade)	Length (mm)	Weight (kg)	Height (mm)	Width (mm)	Air consumption (cm ³ /stroke)	Air pressure (MPa)	Stripping capacity φ (mm)	Stripping length (mm)	Fitting size
CST120	487	43	282.5	493	8,000	0.5~0.6	up to φ30mm outer dia.	100	G1/4

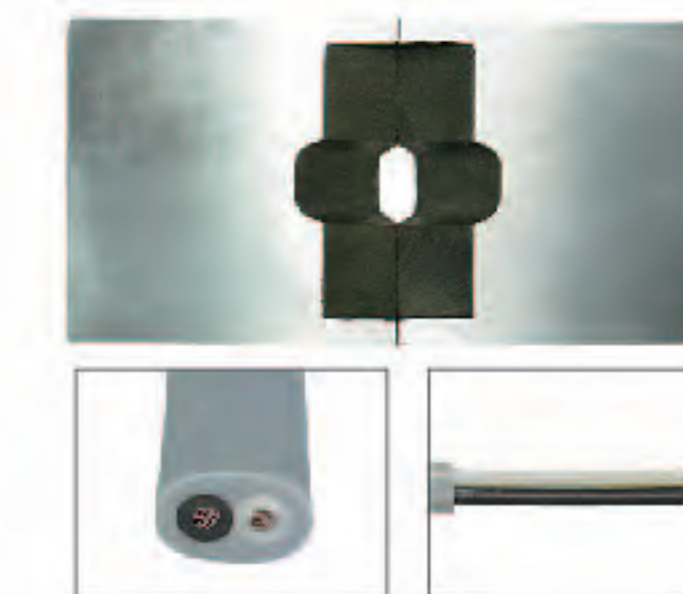
★Blade sold separately

Blades

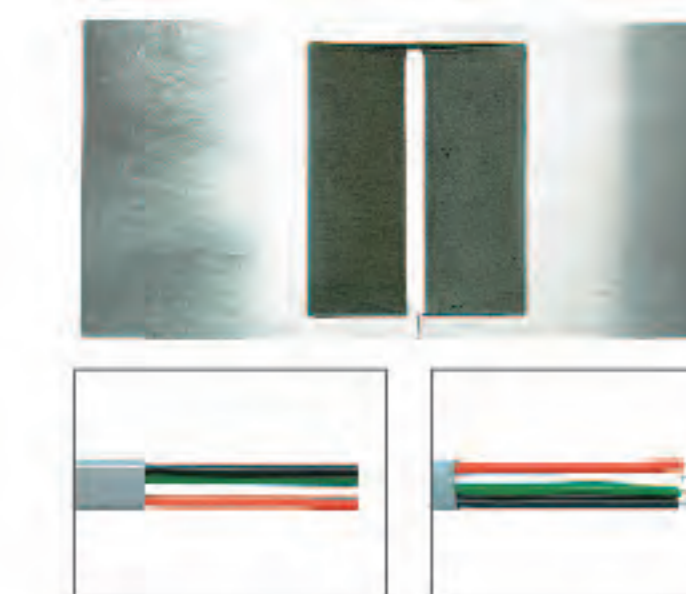
R-TYPE



D-TYPE



S-TYPE



V-TYPE



Only the CST35 has standard spare blade set

Product	Set items	With case
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



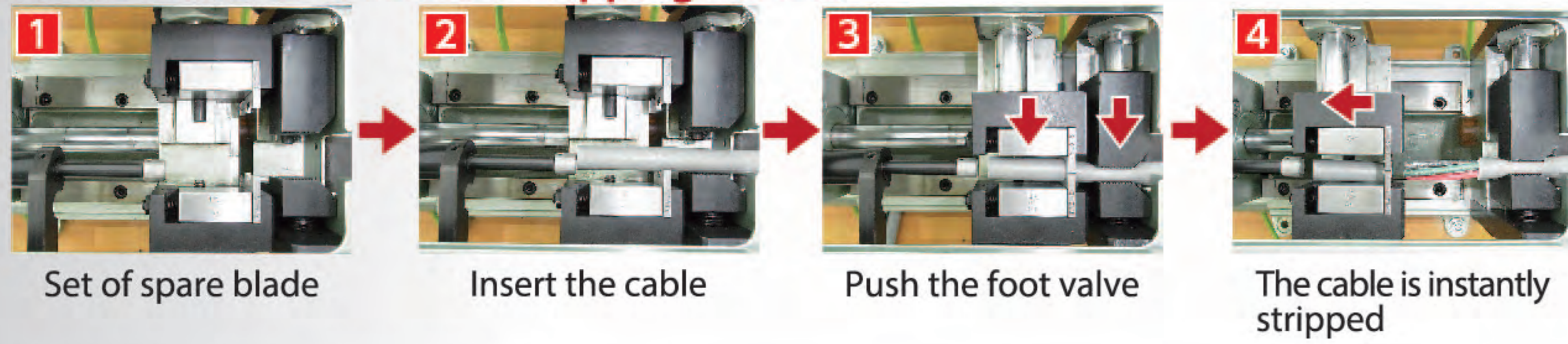
S0 for S zero

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

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

CABLE STRIPPERS

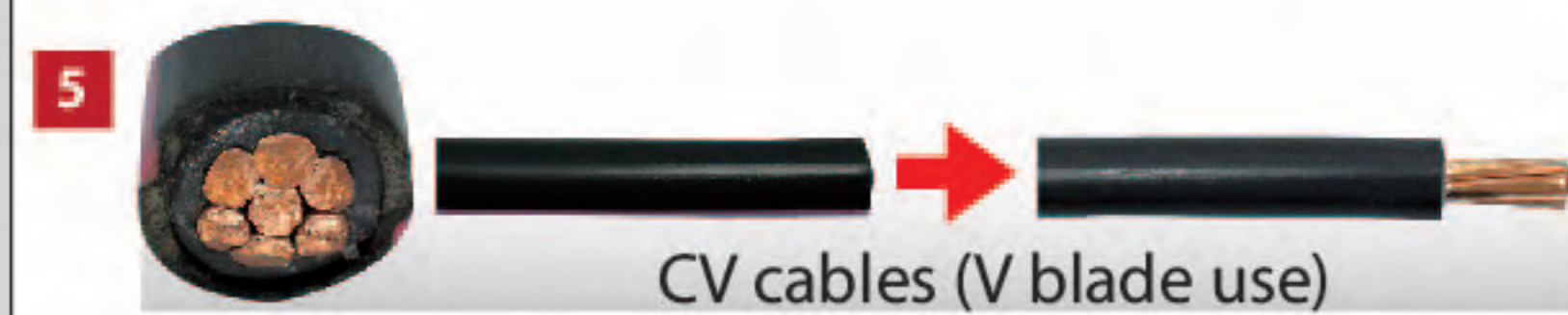
Work will be easy and simple for anyone.
It saves time and trouble stripping cables.



Example of application

Simple stripping

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

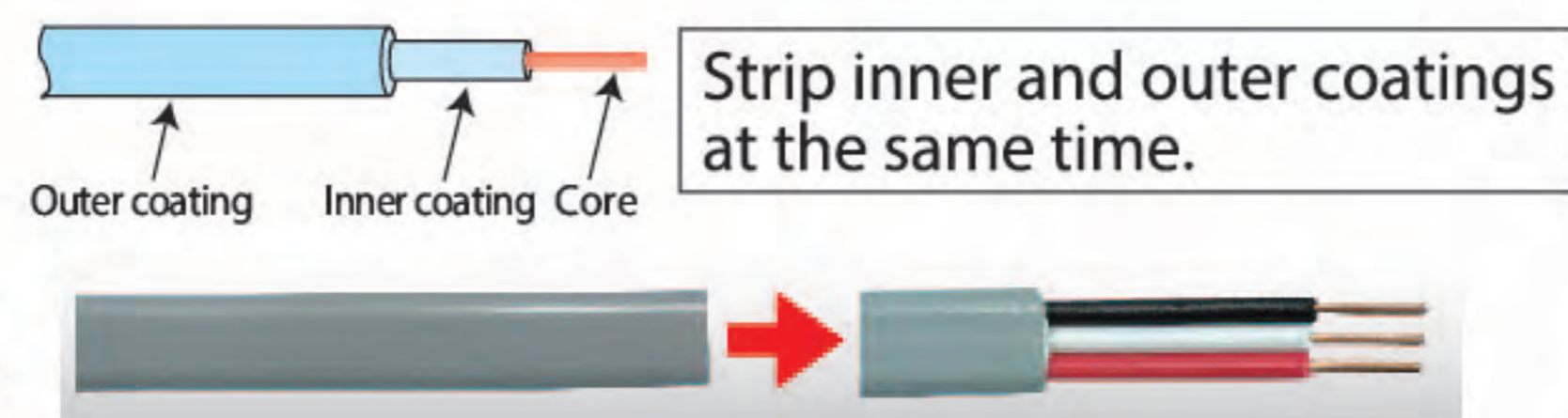


※Electric cable other than the above is also available.
Please contact us once.

Simultaneous stripping of the thin cables (S blade use)



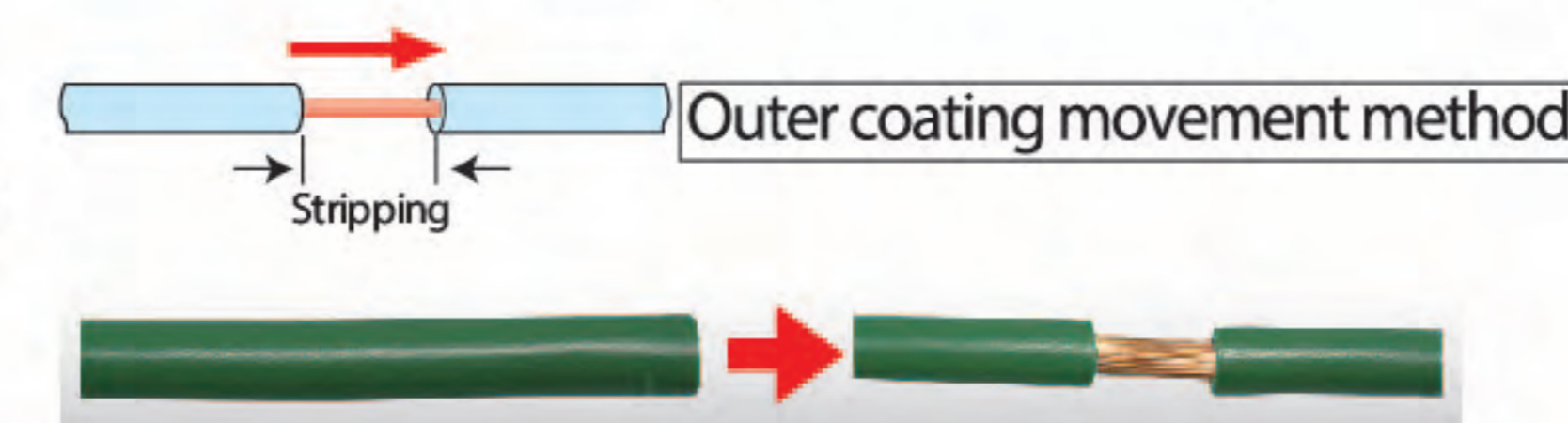
2 segment stripping (R&S blade use)



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



Middle stripping (R blade use)



COIL HOSE



COIL HOSE

COIL 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 $\phi 28\text{mm}$.

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

Appearance	The outer diameter is $\phi 28\text{mm}$ (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°C
Cold resistant	It do not spoil the flexibility even in the state of -10°C
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.

Urethane air hose



COIL HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Coil outside diameter (ϕ mm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (ϕ mm)	Fitting size	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

Urethane air hose



COIL HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Coil outside diameter (ϕ mm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (ϕ mm)	Fitting size
1800	Curl Div.(A)300	190	28	about 2.5	2.6	Up to 0.7	5 × 8	G1/4 Female thread
	Straight Div.(B) 1,500							
3300	Curl Div.(A)300	240	28	about 4.0	2.6	Up to 0.7	5 × 8	G1/4 Female thread
	Straight Div.(B) 3,000							

COIL HOSE

Semi-blade hose



Jumbo COIL HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Coil outside diameter (ϕ mm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (ϕ mm)	Fitting size	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

Urethane air hose



Straight HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (ϕ mm)	Fitting size
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 Coil hose



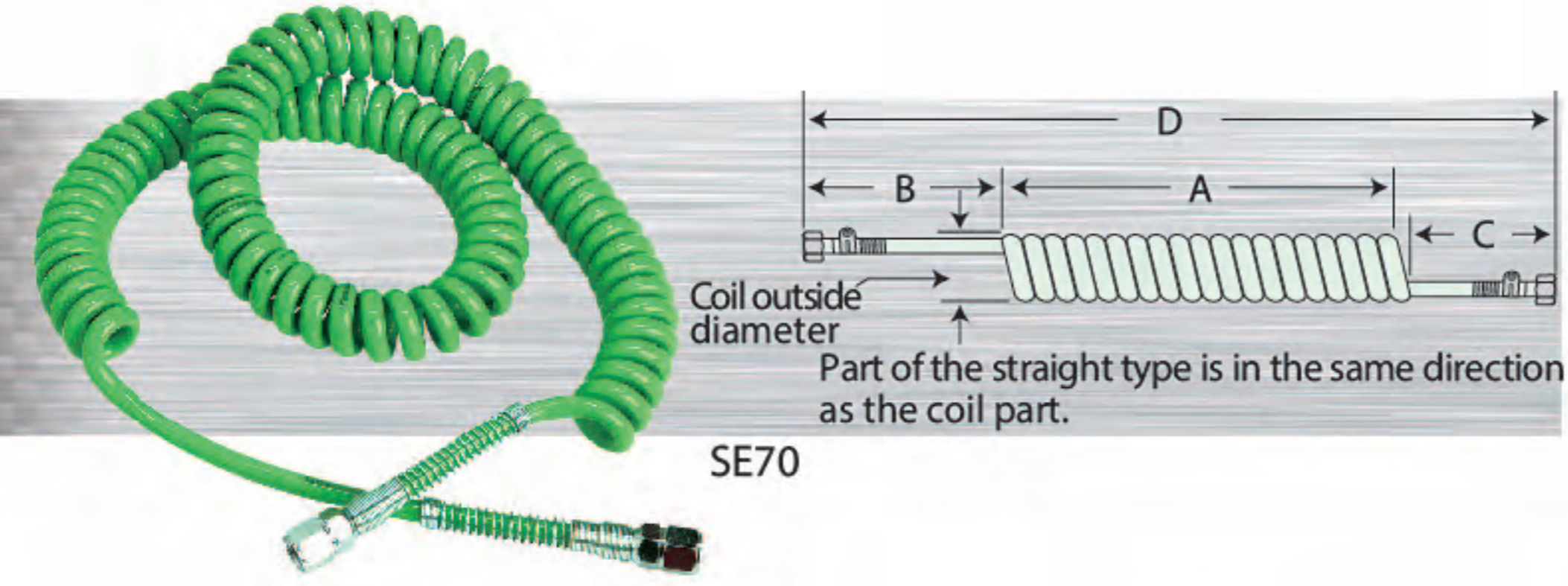
CHL type COIL HOSE specification

Part number	Straight Portion A(mm)	Weight (g)	Coil outside diameter (ϕ mm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (ϕ mm)	Fitting size	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

COIL HOSE

Urethane air hose

SE type COIL HOSE

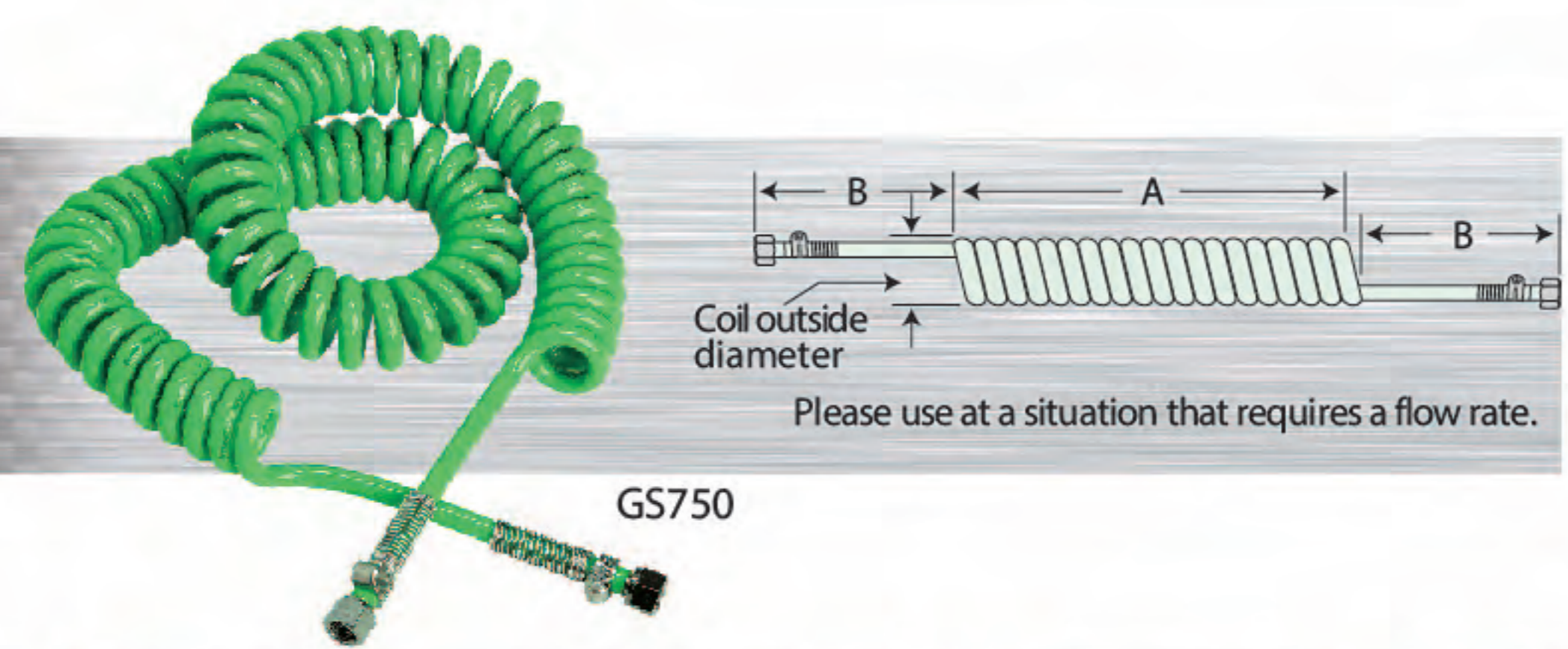


SE type COIL HOSE specification

Part number	Straight Portion(mm)				Weight (g)	Coil outside diameter (φ mm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter (φ mm)	Fitting size	note	Carved seal No.
	A	B	C	D									
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 COIL HOSE



GS type COIL HOSE specification

Part number	Straight Portion(mm)		Weight (g)	Coil outside diameter (φ mm)	Operating range (m)	Working pressure (MPa)	Inner Diameter× Outside Diameter (φ mm)	Fitting size	Carved seal No.
	A	B							
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



- SIDE CUTTING PLIERS
- NIPPERS
- NIPPERS FOR PIANO WIRE
- LONG NOSE SIDE CUTTING PLIERS & PLIERS
- NIPPERS FOR CUTTING PLASTICS
- NIPPERS FOR CUTTING PLASTICS
- END CUTTING AND R-CUT NIPPERS FOR CUTTING PLASTICS
- NIPPERS FOR CUTTING PLASTICS
- HEAT NIPPERS FOR CUTTING PLASTICS
- STANDARD PLIERS AND NIPPERS
- CLIP PLIERS / SNAP RING PLIERS
- PLASTIC PIPE CUTTERS
- DUCT AND MOULD CUTTERS / MERRY CUTTERS
- STRIPPERS
- ARTISAN PLASTIC NIPPERS
- ADDITIONAL HAND TOOLS



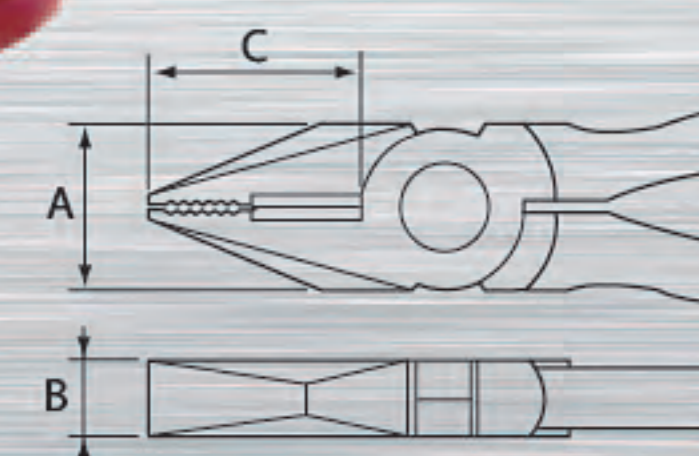
MERRY

SIDE CUTTING PLIERS



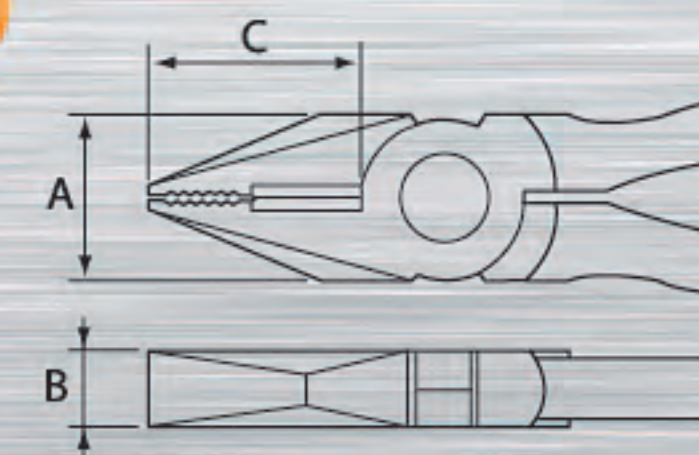
SIDE CUTTING PLIERS

1050^{UIS} Side cutting pliers



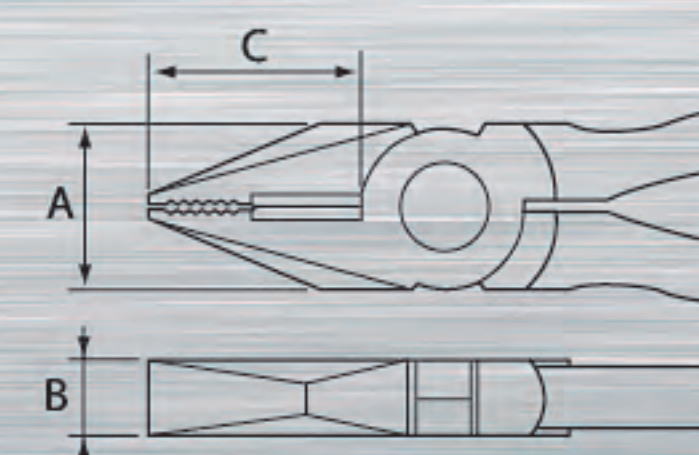
Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
^{UIS} 1050-150	150	22.0	12.5	26.0	215	2.0	3.0
^{UIS} 1050-175	175	23.5	13.5	30.5	300	2.6	3.5
^{UIS} 1050-200	200	26.5	14.5	32.0	395	3.2	4.0

1050H^{UIS} Side cutting pliers



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
^{UIS} 1050H-150	150	22.0	12.5	26.0	225	2.0	3.0
^{UIS} 1050H-175	175	23.5	13.5	30.5	310	2.6	3.5
^{UIS} 1050H-200	200	26.5	14.5	32.0	410	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	310	3.2	4.0
2050-225	225	27.0	14.5	35.0	415	3.6	4.5

SIDE CUTTING PLIERS

2060 2060N

High leverage
side cutting pliers
<with crimping die>



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φ mm)	
		A	B	C		Steel wire	Copper wire
2060	200	25.5	13.5	37.0	330	3.2	4.0
2060N	200	25.5	13.5	37.0	335	3.2	4.0

SIDE CUTTING PLIERS

6050

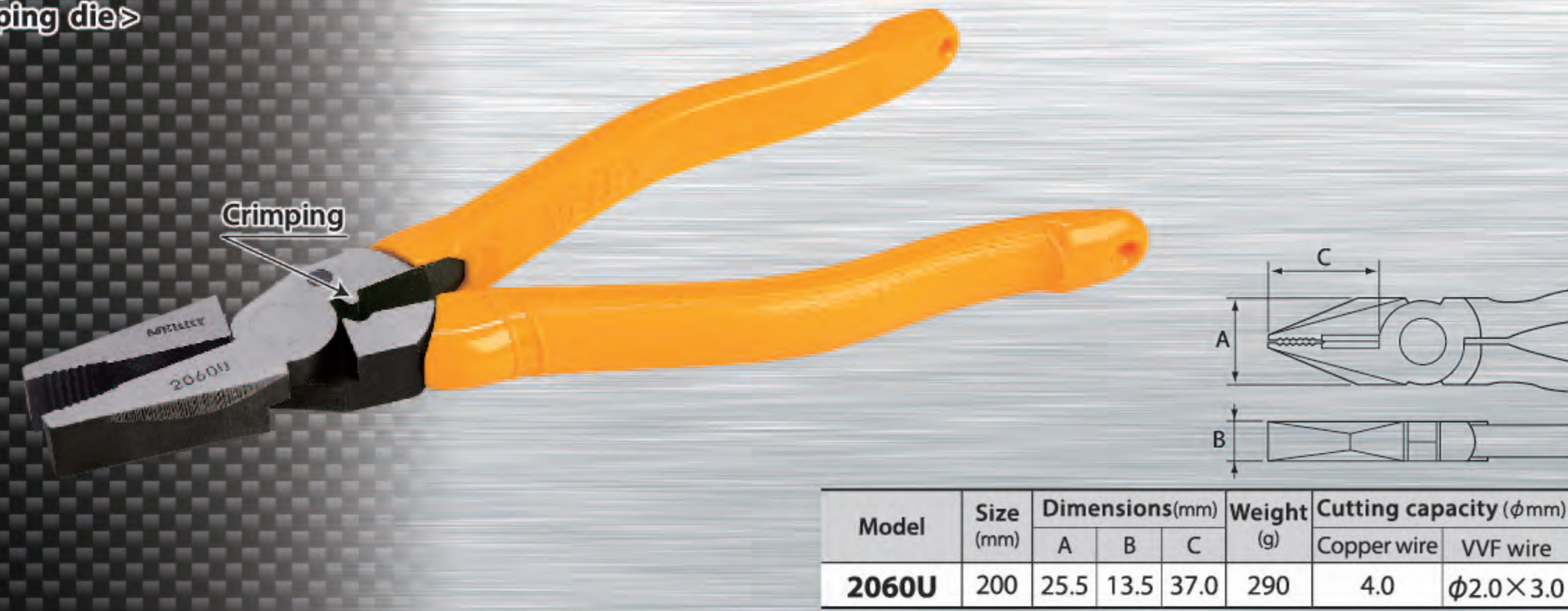
Side cutting pliers
<with crimping die>



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φ mm)	
		A	B	C		Steel wire	Copper wire
6050	185	24.0	14.0	33.0	315	2.6	3.5

2060U

VA cutting pliers
<with crimping die>



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φ mm)	
		A	B	C		Copper wire	VVF wire
2060U	200	25.5	13.5	37.0	290	4.0	φ2.0×3.0

XP200

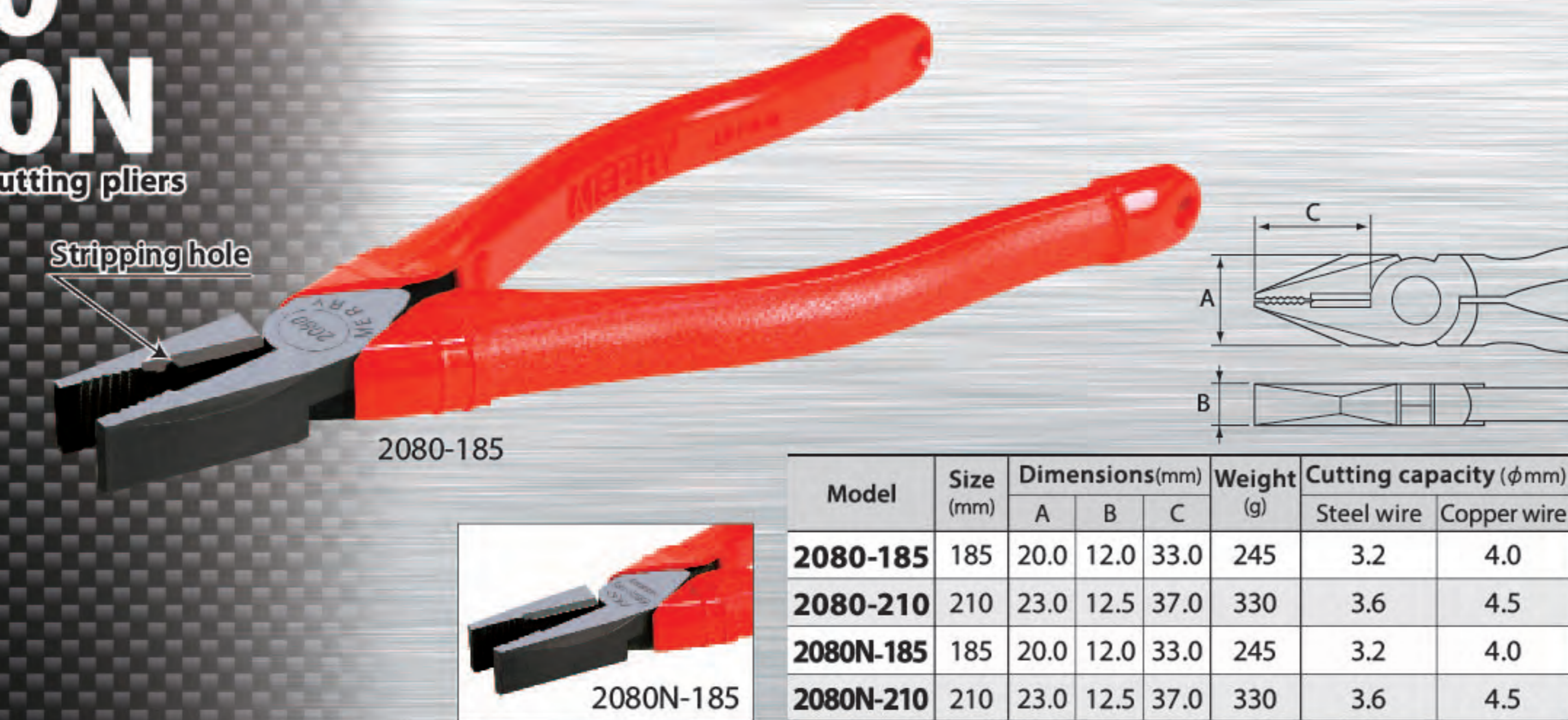
Side cutting pliers
for electrical work



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φ mm)	
		A	B	C		Steel wire	Copper wire
XP200	200	27.5	13.5	33.0	380	3.6	4.5

2080 2080N

Slim type side cutting pliers



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φ mm)	
		A	B	C		Steel wire	Copper wire
2080-185	185	20.0	12.0	33.0	245	3.2	4.0
2080-210	210	23.0	12.5	37.0	330	3.6	4.5
2080N-185	185	20.0	12.0	33.0	245	3.2	4.0
2080N-210	210	23.0	12.5	37.0	330	3.6	4.5

8050

Center cutting pliers

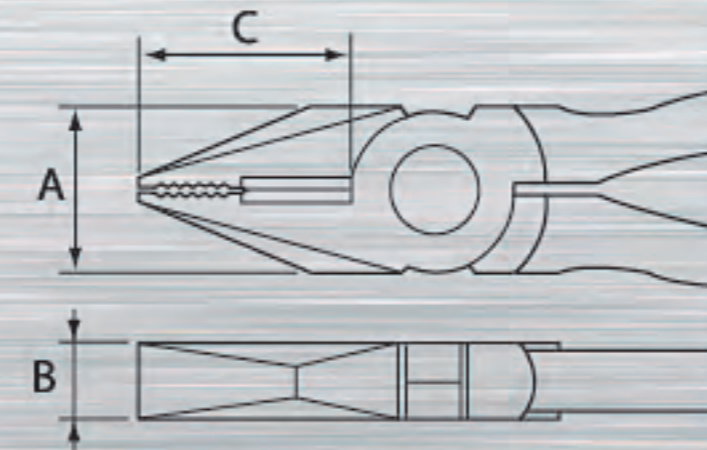


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φ mm)		
		A	B	C		Steel Wire	Copper Wire	VVF
8050-185	185	23.5	11.5	30.0	235	3.2	4.0	1.6×3
8050-210	210	24.5	13.5	36.0	300	3.6	4.5	2.0×3

SIDE CUTTING PLIERS

2070

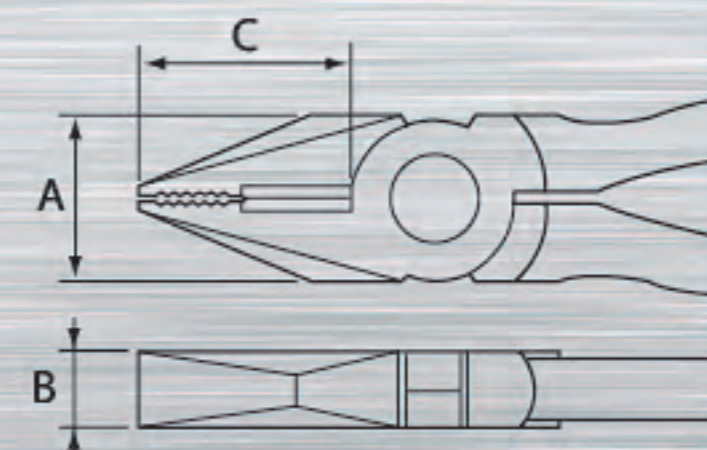
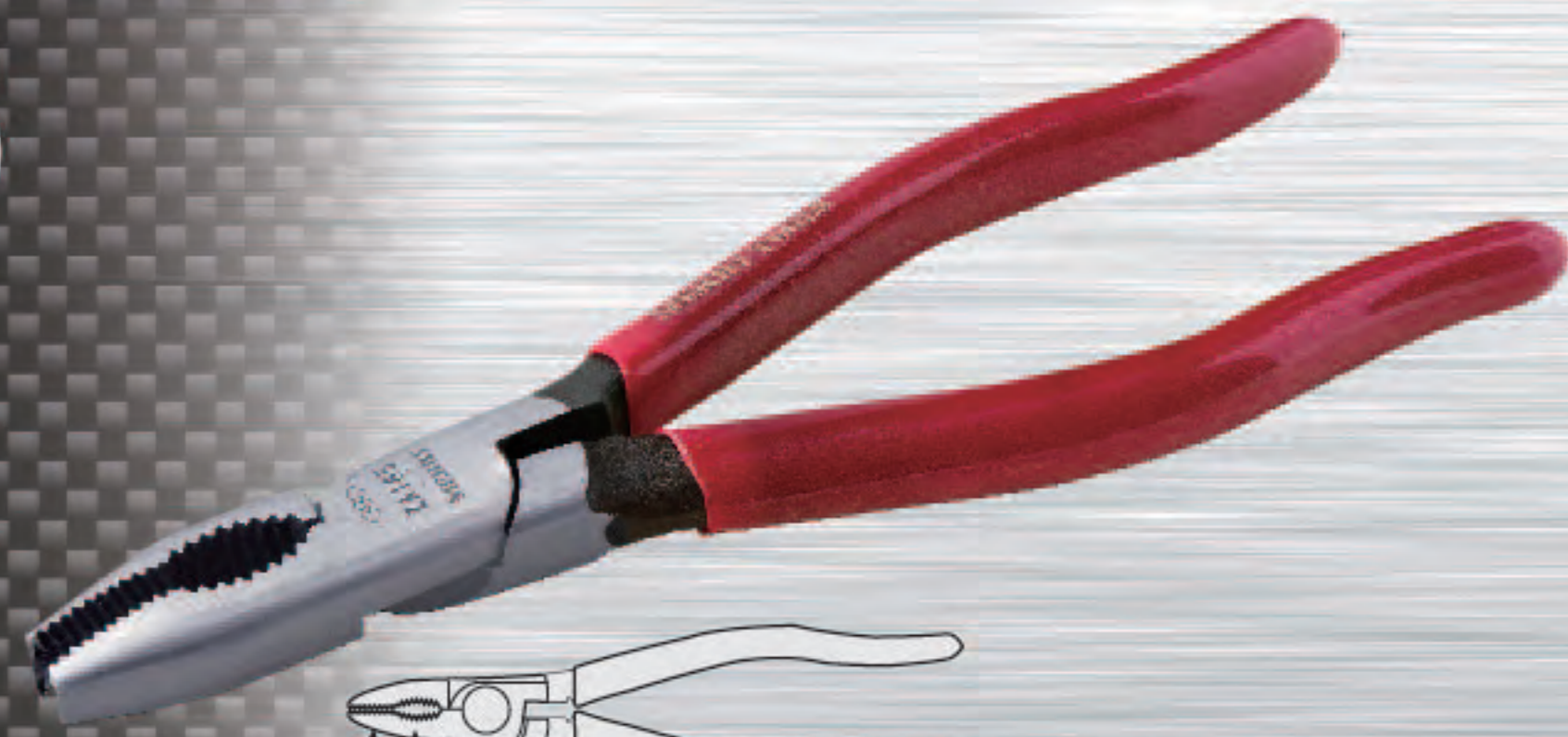
High leverage
side cutting pliers



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

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)	Screw size
		A	B	C		
ZA185	185	21.0	13.0	31.0	280	Tip screw : M2~M6 Body screw : M5~M8

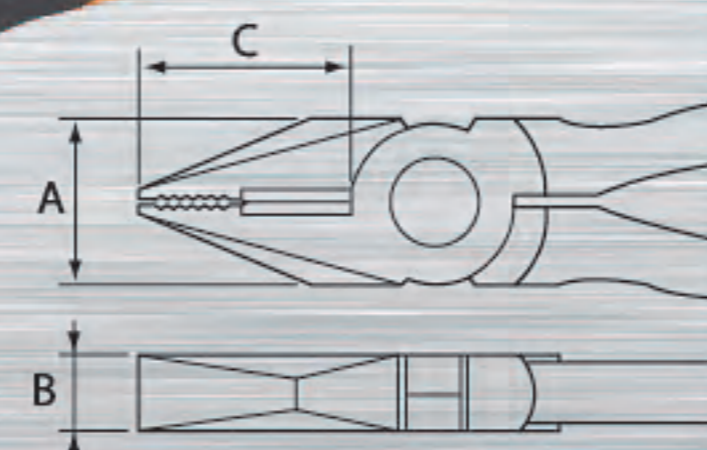
ZA7050

Screw pliers

These revolutionary pliers combine the functions of ZA185 (Screw Pliers) and 7050-14 (Side cutting pliers<with Screw pliers>).

The tip can firmly grip crushed or rusted screws.

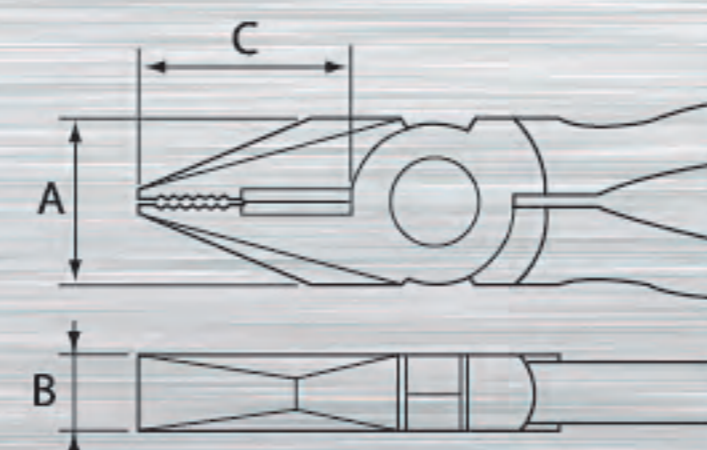
It can modify the threaded rod of W3/8 inch cuttings. Cutting of iron and copper wires is also acceptable.



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
ZA7050	200	26.5	14.5	32.0	375	3.2	4.0

MG7050

Pliers with magnet



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
MG7050-7	175	24.0	14.0	31.0	295	2.6	3.5
MG7050-8	200	26.0	15.0	32.5	400	3.2	4.0



MERRY

NIPPERS



NIPPERS

Blade shape

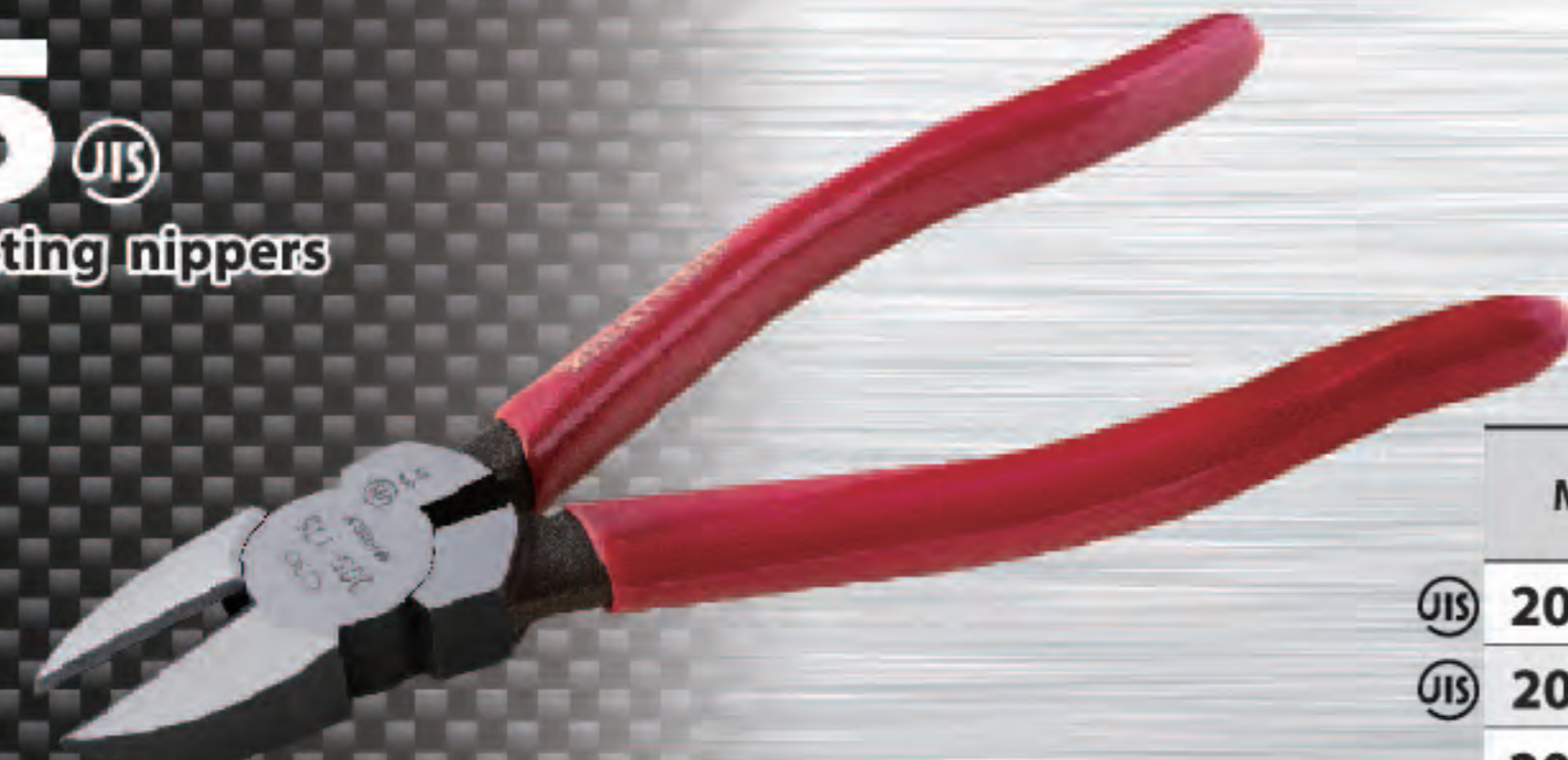
Standard  for cutting hard wire

Semi-flush  for cutting medium wire

Full-flush  for cutting soft wire only or plastic, gate and sprue

205 JIS

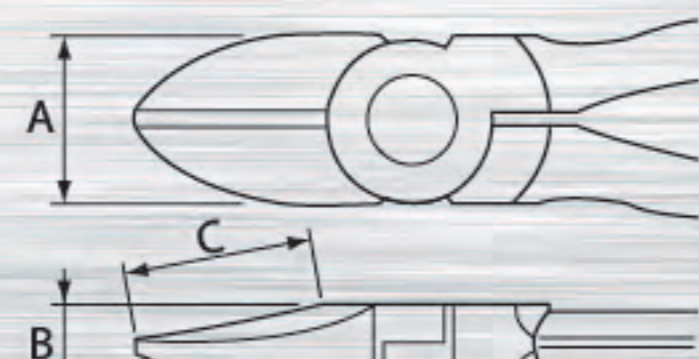
Diagonal cutting nippers



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
205-150	150	22.0	12.5	22.5	210	2.0	2.6
205-175	175	24.5	13.0	26.0	275	2.0	3.0
205-200	200	26.5	14.0	29.0	360	2.6	3.5

205H JIS

Diagonal cutting nippers

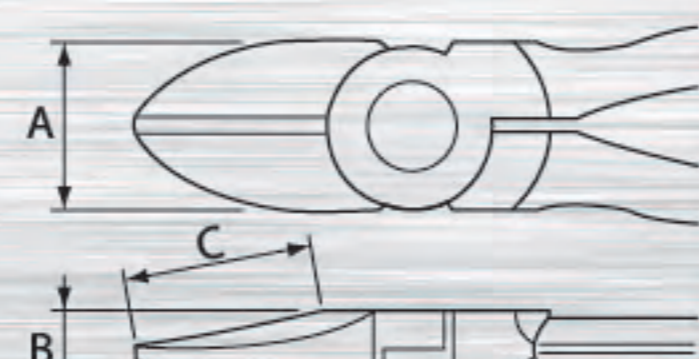
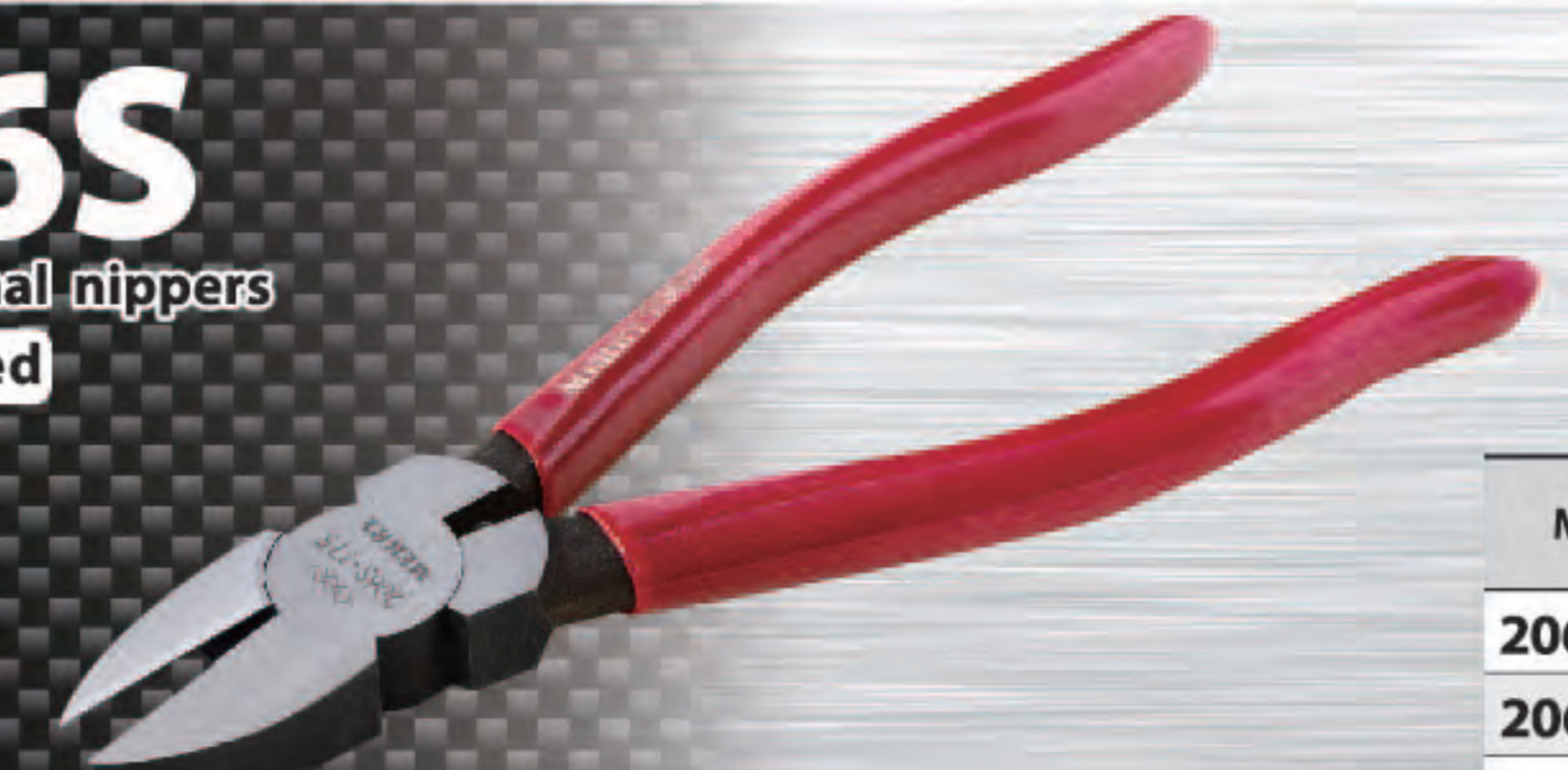


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
205H-150	150	22.0	12.5	22.5	225	2.0	2.6
205H-175	175	24.5	13.0	26.0	285	2.0	3.0
205H-200	200	26.5	14.0	29.0	360	2.6	3.5

206S

Flush diagonal nippers

Spring Loaded



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
206S-150	150	22.5	12.5	22.0	205	2.0	2.6
206S-175	175	24.5	13.0	26.0	270	2.0	3.0
206S-200	200	26.0	14.0	29.0	350	2.6	3.5

99W

VA cutting nippers

Spring Loaded

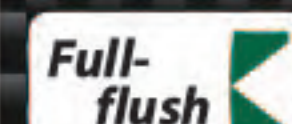


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)
		A	B	C		
99W-150	150	22.0	12.5	21.5	220	φ2.0×3.0
99W-175	175	24.0	12.5	25.0	275	φ2.0×3.0
99W-200	200	26.5	14.0	29.0	355	φ2.6×3.0

208

VA cutting nippers

Spring Loaded



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
208-7	175	20.5	12.0	20.5	205	2.0	2.6
208-8	200	20.5	12.0	23.5	255	2.0	3.0

NIPPERS

Blade shape

Standard  for cutting hard wire

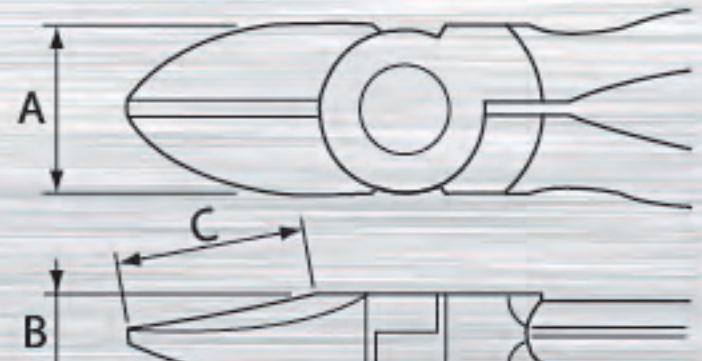
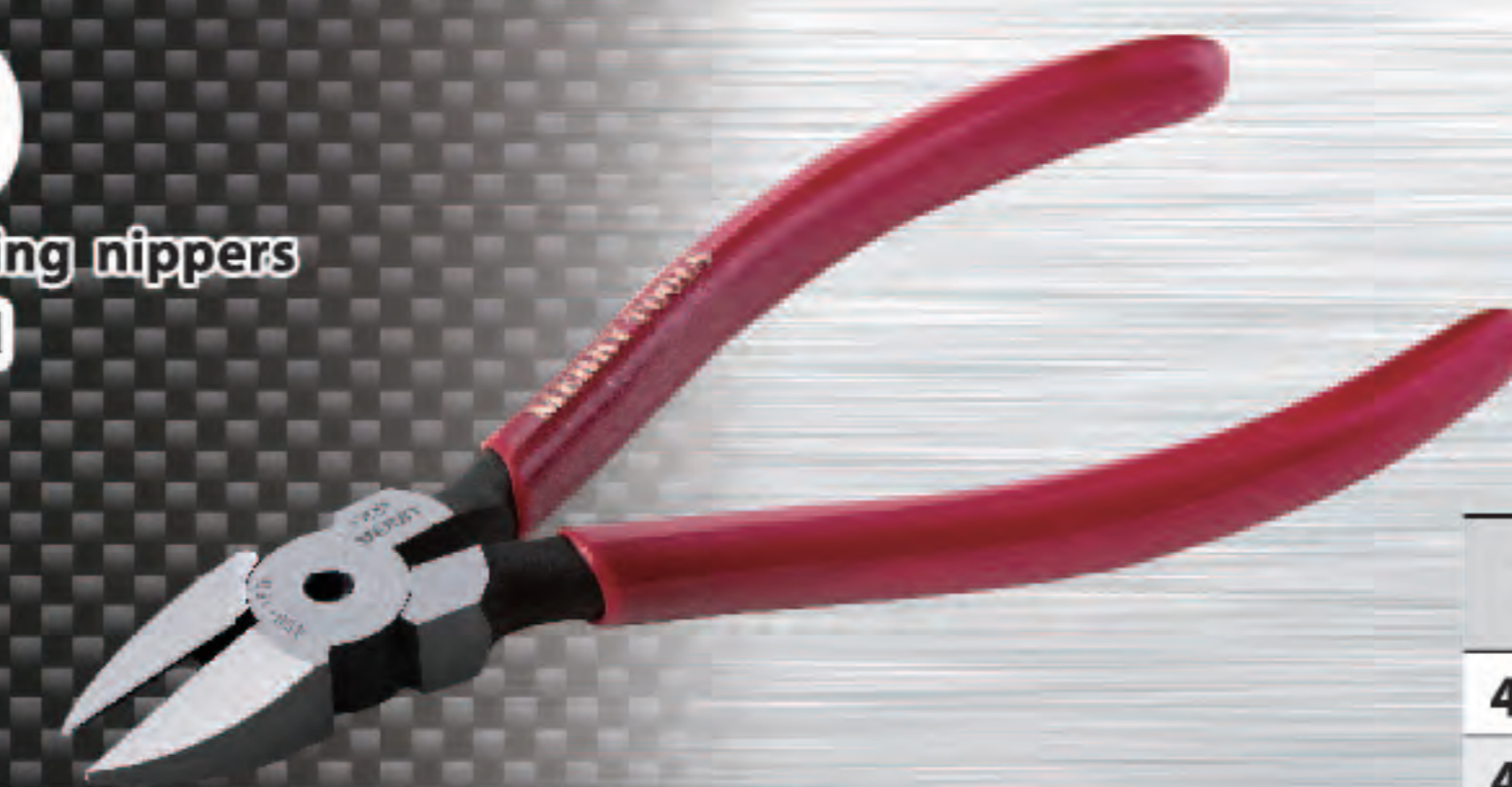
Semi-flush  for cutting medium wire

Full-flush  for cutting soft wire only or plastic, gate and sprue

450

Diagonal cutting nippers

Spring Loaded

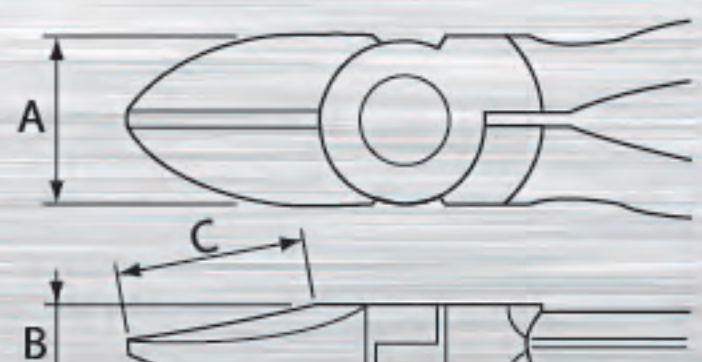


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
450-125	125	12.5	8.0	14.0	85	0.8	1.2
450-150	150	17.0	10.0	20.0	150	1.5	2.6

207

Diagonal cutting nippers

<with crimping die>



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
207	225	26.0	12.2	27.0	345	3.0	4.0

207S

Diagonal cutting nippers

<with crimping die>

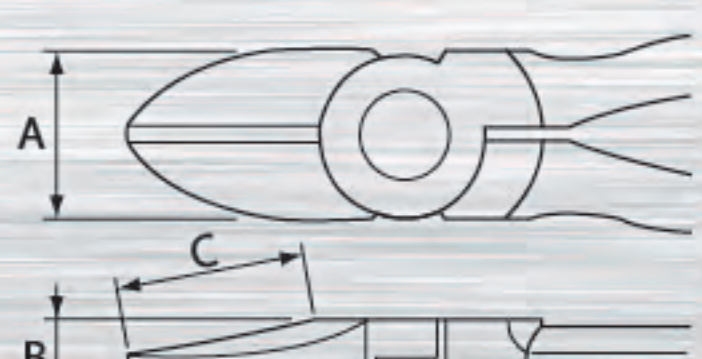
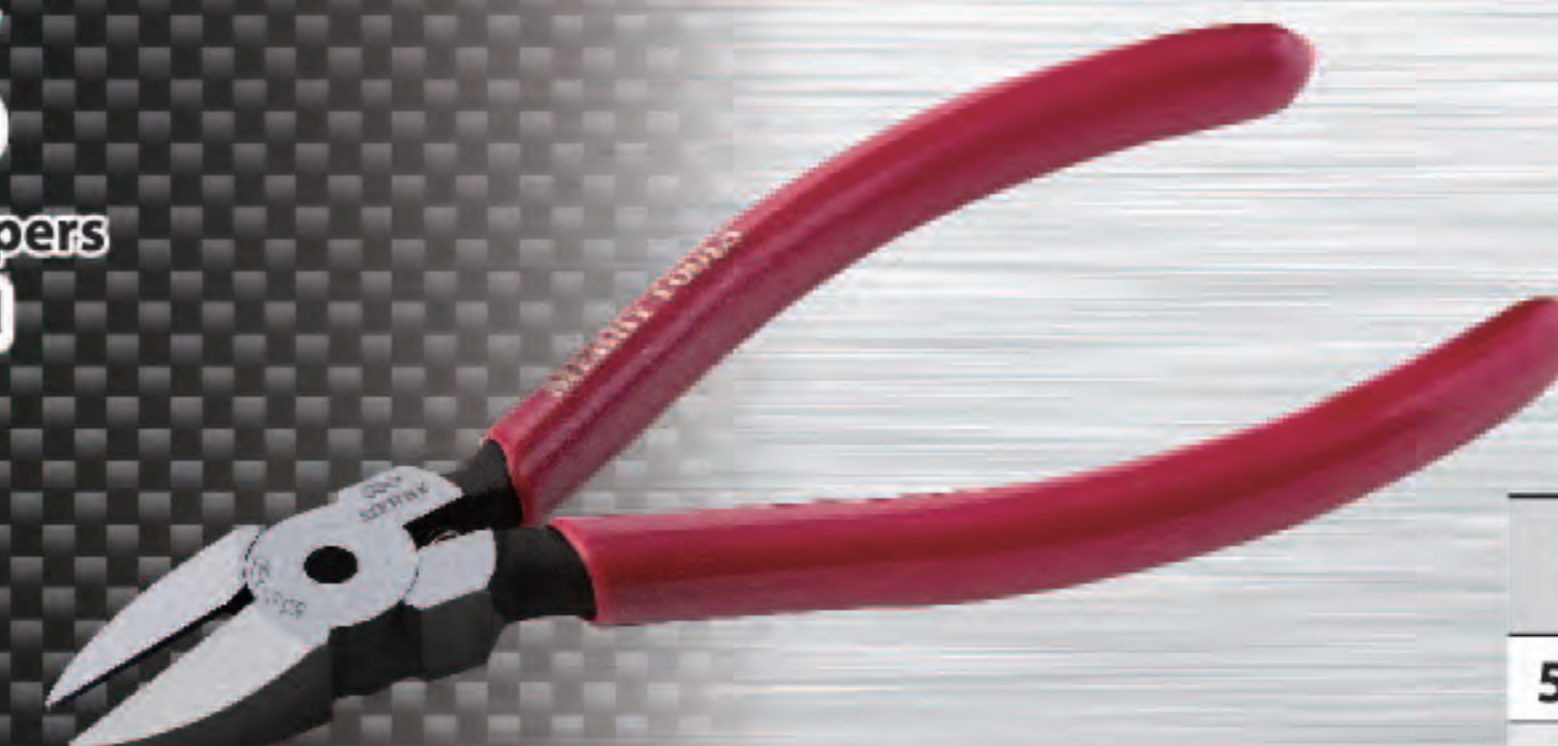


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
207S	225	26.0	12.2	27.0	345	3.0	4.0

55S

Electronic nippers

Spring Loaded



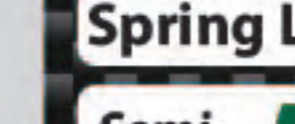
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
55S-120	120	13.0	8.5	14.0	85	0.8	1.2
55S-150	150	17.5	10.5	20.0	150	1.5	2.6

55SPM

Electronic nippers

<wire holding type>

Spring Loaded



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
55SPM-120	120	13.0	8.0	14.5	90	0.8	1.2
55SPM-150	150	17.0	10.5	20.5	155	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

550

Cutting nippers

Semi-flush



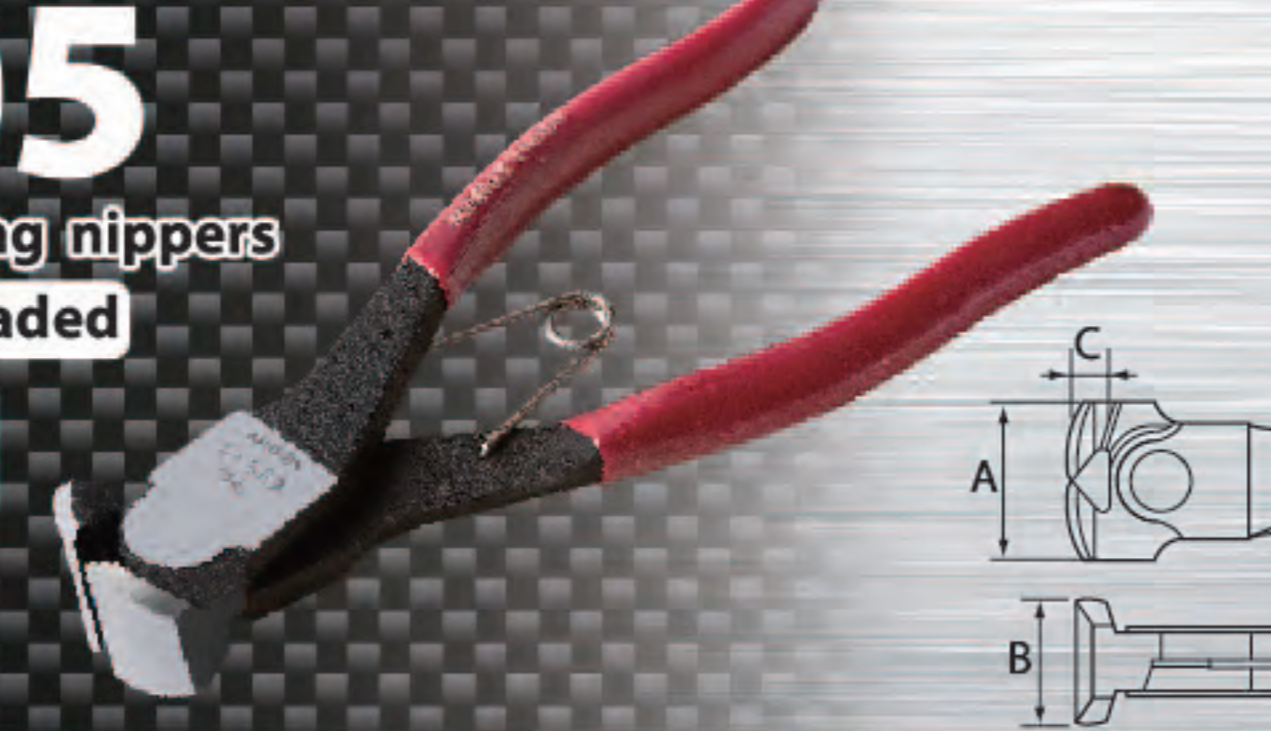
Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
550-150	150	15.0	15.0	25.0	130	1.6	2.0
550-175	175	18.0	18.5	28.0	192	2.0	3.0

405

End cutting nippers

Spring Loaded

Standard



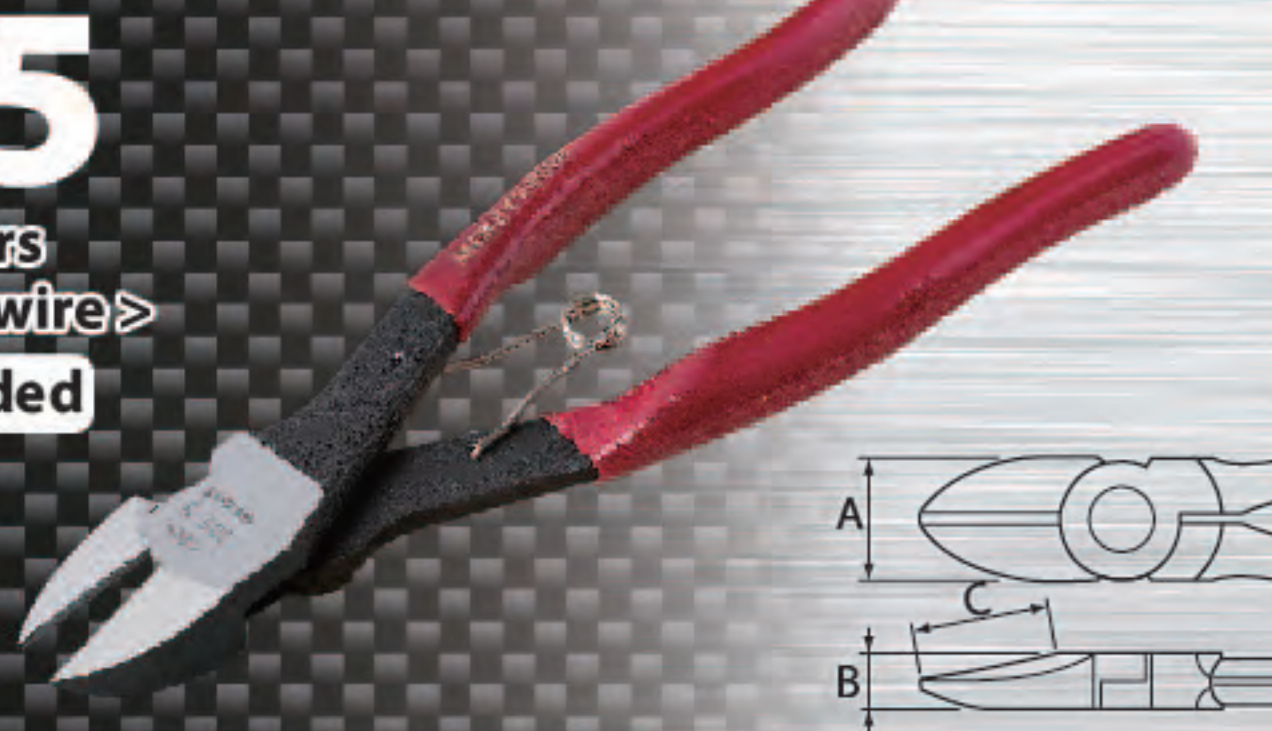
Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
405-7	175	30.5	24.5	7.5	270	2.0	3.0
405-8	200	36.5	30.5	7.5	320	2.4	3.2

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	225	2.6	3.5
305-8	200	26.5	12.5	23.0	275	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	190	2.0	2.6

WA1000F

Compound cutting nippers

Spring Loaded

Round type



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Plastics	
WA1000F	160	19.0	11.0	16.0	185	5.0	

WA1000Z

Compound cutting nippers <Carbide tipped>

Spring Loaded

Standard



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Piano wire	
WA1000Z	160	19.0	11.0	16.0	190	1.0	

XN200

Diagonal cutting nippers for electrical work

Standard

Elastomer cover

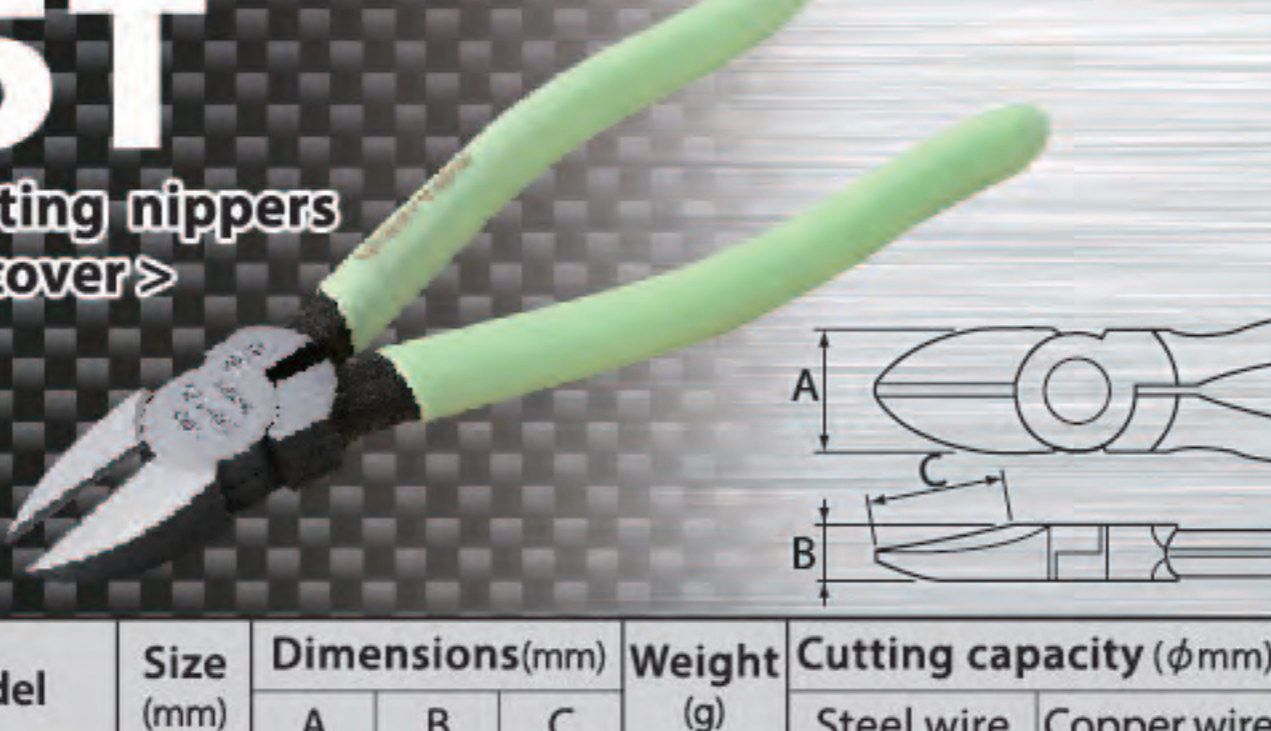


Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
XN200	200	26.5	13.5	29.0	360	2.6	3.5

205T

Diagonal cutting nippers <Luminous cover>

Standard

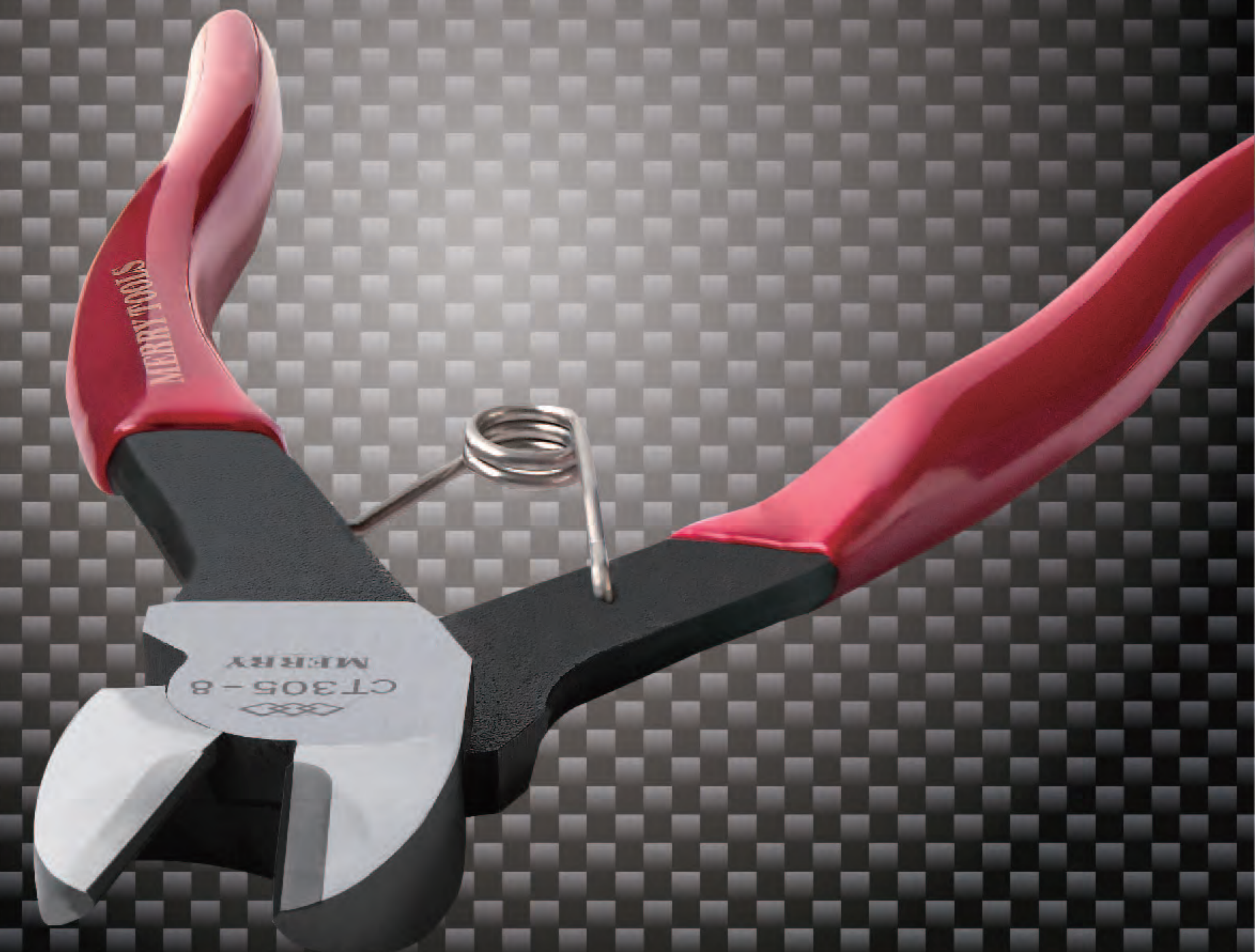


Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
205T-150	150	22.0	12.5	22.5	210	2.0	2.6
205T-175	175	24.5	13.0	26.0	275	2.0	3.0
205T-200	200	26.5	14.0	29.0	360	2.6	3.5



MERRY

NIPPERS FOR PIANO WIRE



NIPPERS FOR PIANO WIRE

Blade shape

Standard  for cutting hard wire

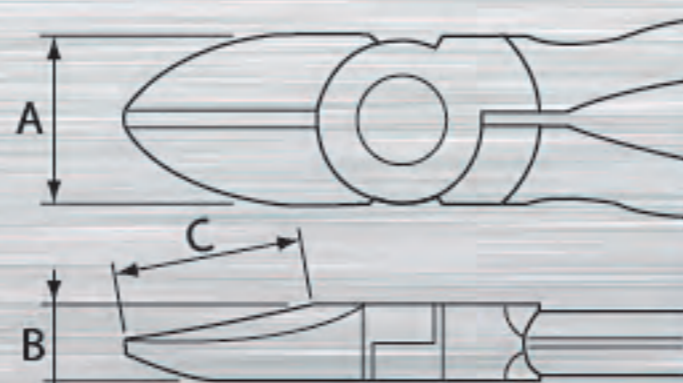
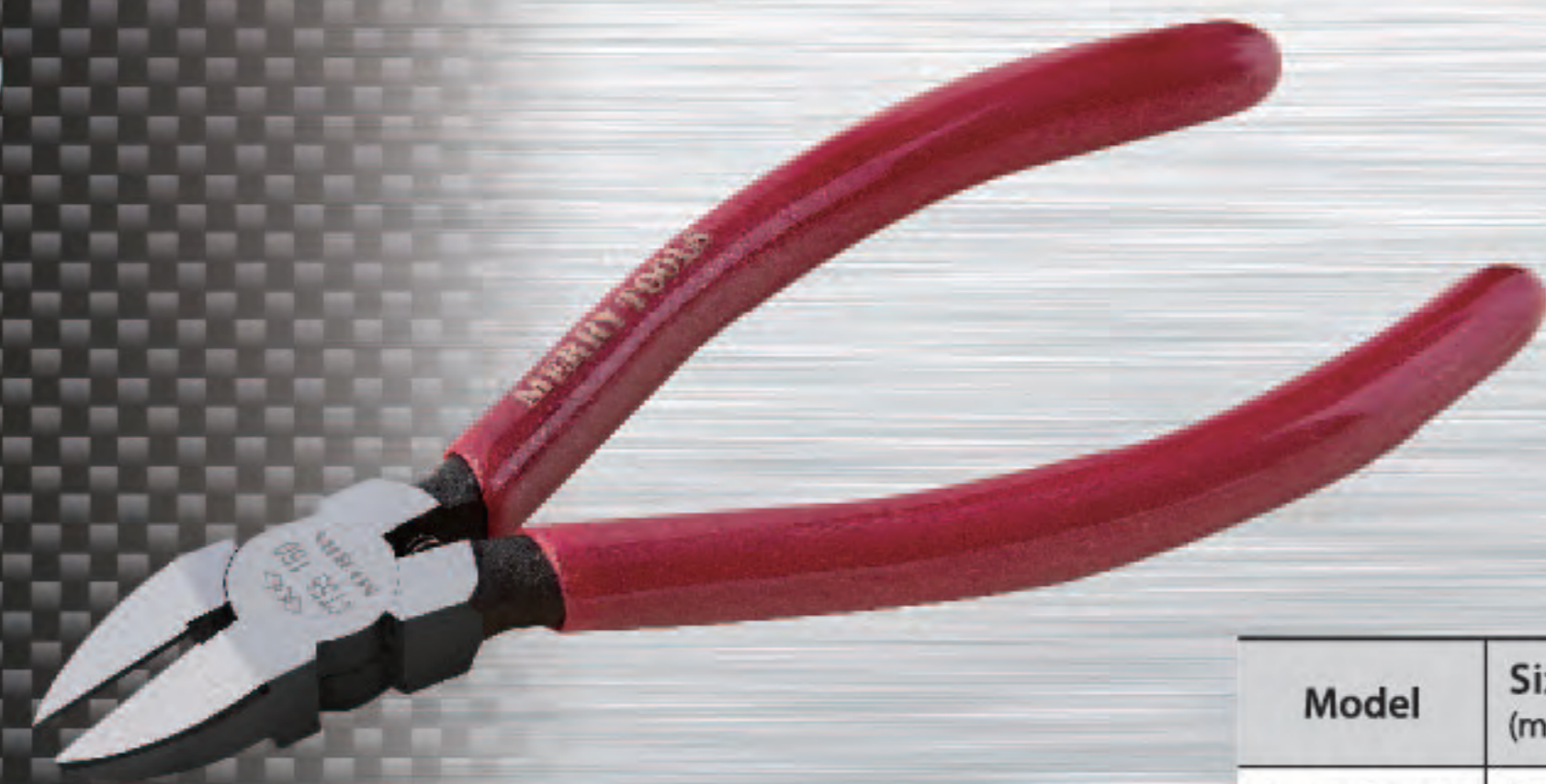
Semi-flush  for cutting medium wire

Full-flush  for cutting soft wire only or plastic, gate and sprue

CT55

Electro nippers
<carbide tipped>
Spring Loaded


Semi-flush 

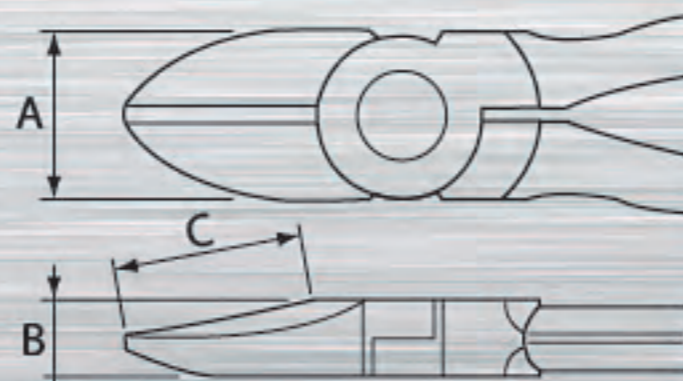


Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Piano wire
		A	B	C		
CT55-120	120	12.0	8.0	8.0	90	0.5
CT55-150	150	17.0	10.0	16.0	150	0.5

CT305

Diagonal cutting nippers
<carbide tipped>
Spring Loaded

Standard 

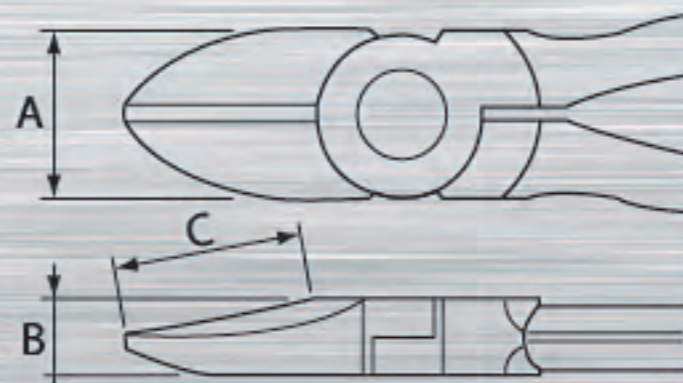


Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Piano wire
		A	B	C		
CT305-7	175	24.0	12.0	16.0	220	1.0
CT305-8	200	26.0	12.0	16.0	265	1.2

P56

Steel wire cutting nippers
Spring Loaded

Semi-flush 

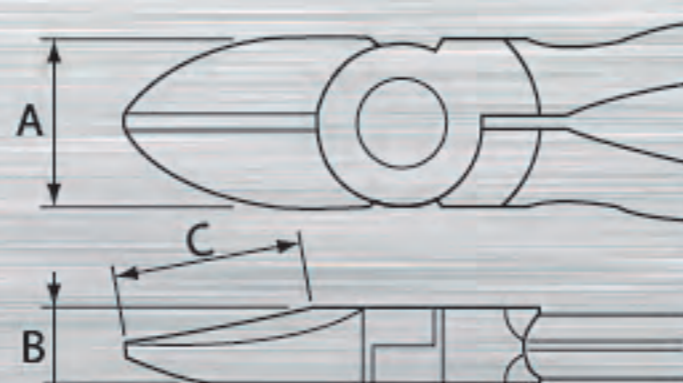


Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Piano wire
		A	B	C		
P56	120	12.0	8.5	12.0	70	0.5

203

High leverage
steel wire cutting nippers
Spring Loaded

Standard 



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Steel wire(Welding wire)
		A	B	C		
203	175	24.0	12.5	24.0	290	1.6



MERRY

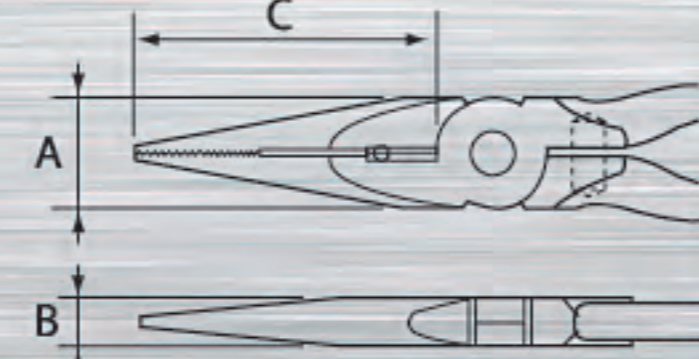
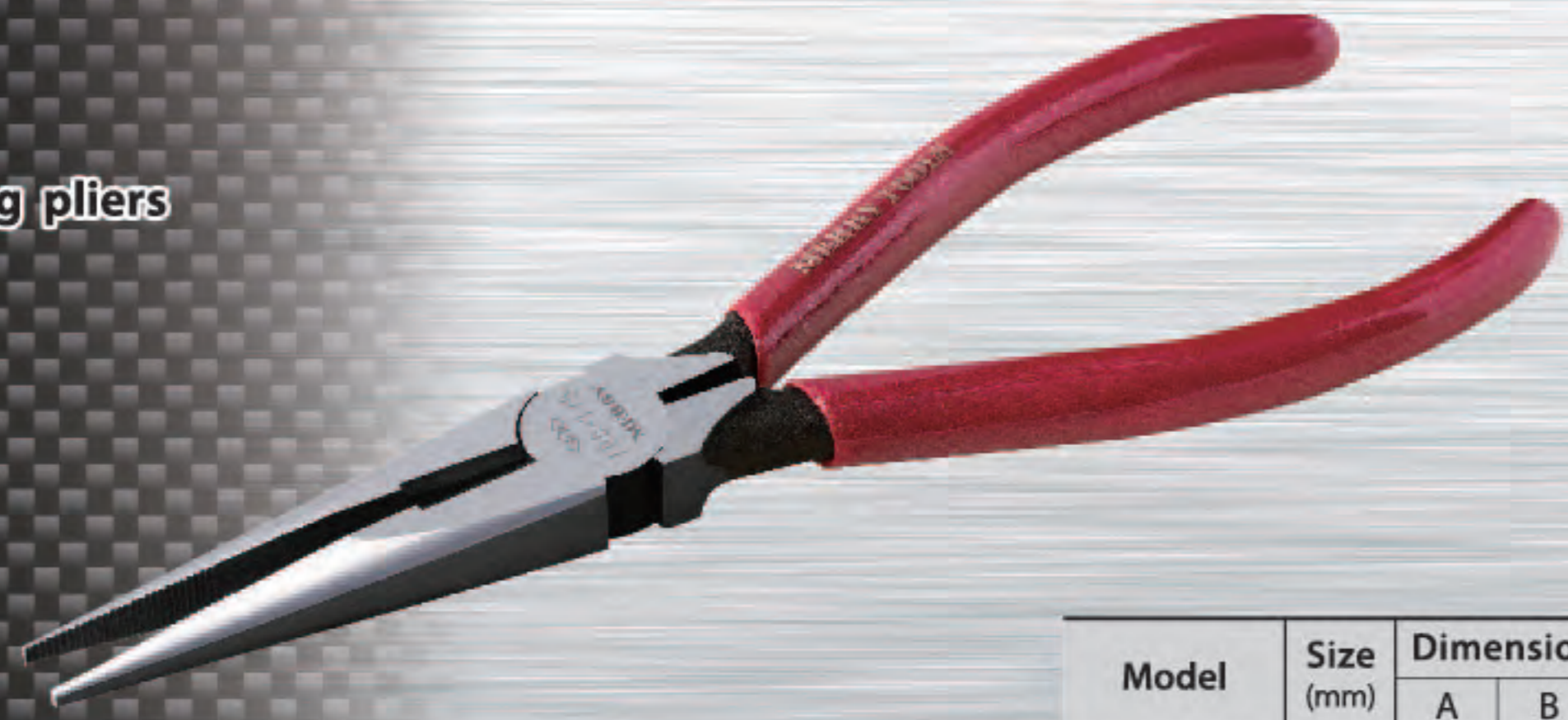
LONG NOSE SIDE CUTTING PLIERS & PLIERS



LONG NOSE SIDE CUTTING PLIERS & PLIERS

105¹⁵
Long nose side cutting pliers
Spring Loaded

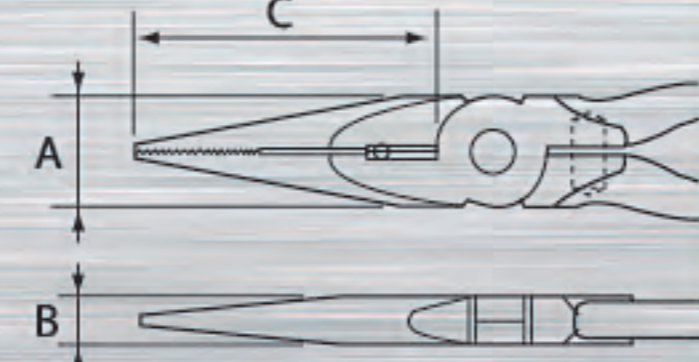
2.5
3.4



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
105-150	150	17.0	10.5	50.0	140	1.5	2.6
105-175	175	19.0	10.5	59.0	185	2.0	3.0

105H¹⁵
Long nose side cutting pliers
Spring Loaded

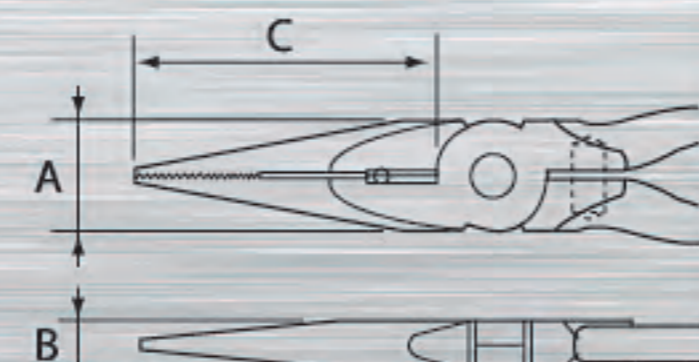
2.5
3.4



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
105H-150	150	17.0	10.5	50.0	140	1.5	2.6
105H-175	175	19.0	10.5	59.0	185	2.0	3.0

150
Long nose side cutting pliers
<slim type>
Spring Loaded

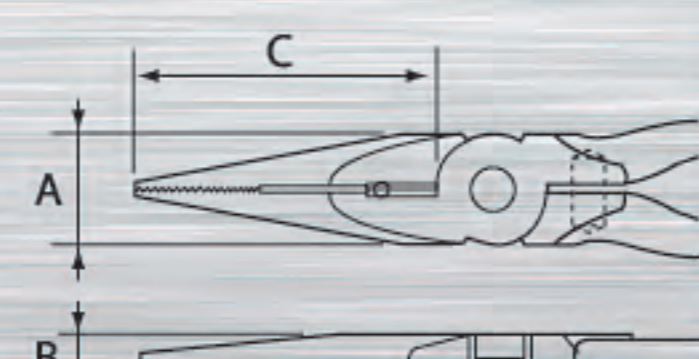
2.0
2.5



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	85	1.2	2.0

105F
Flat nose pliers
Spring Loaded

150 175
5.0 2.0 6.5 3.0

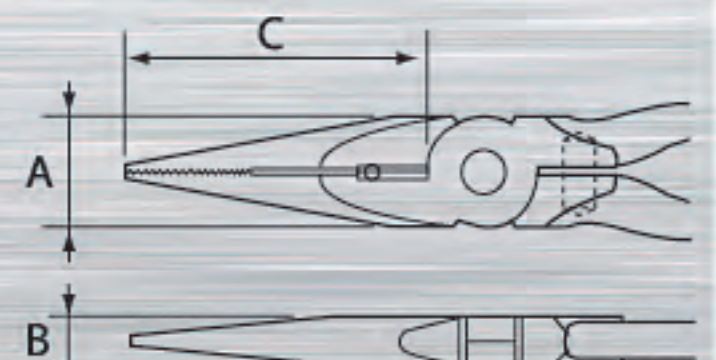


Model	Size (mm)	Dimensions(mm)			Weight (g)
		A	B	C	
105F-150	150	17.0	10.0	50.0	140
105F-175	175	19.5	11.5	59.0	190

LONG NOSE SIDE CUTTING PLIERS & PLIERS

2500
Duck-bill pliers

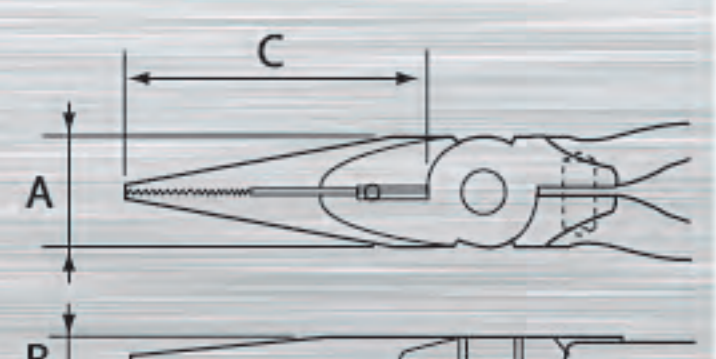
7.0
5.0



Model	Size (mm)	Dimensions(mm)			Weight (g)
		A	B	C	
2500	200	15.5	11.5	38.0	205

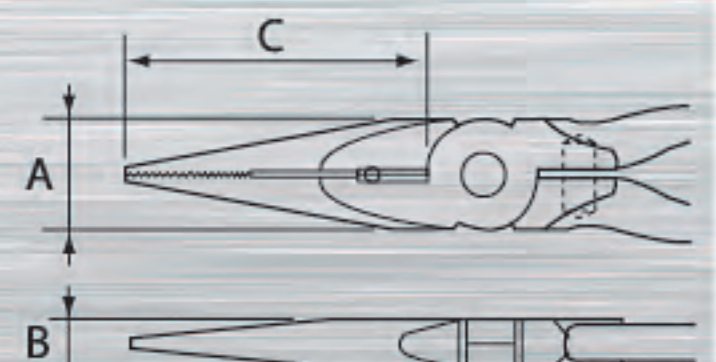
2500R
Long reach
needle nose pliers

3.0
4.0



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

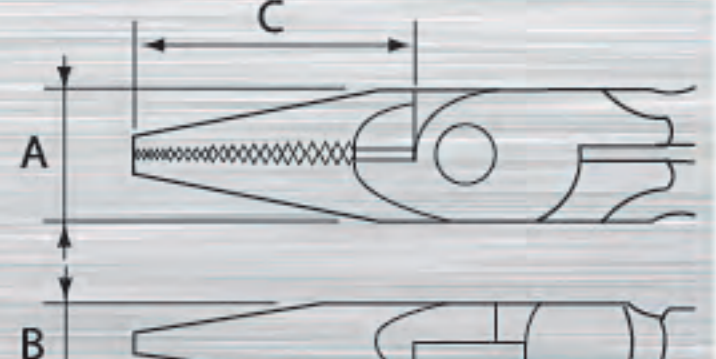
2500T
Nail pliers for tire repair
<special hand tool for removing nails on tires.>



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

Y75
Heavy-duty semi-Long
nose pliers

3.2
6.0



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



MERRY

NIPPERS FOR CUTTING PLASTICS



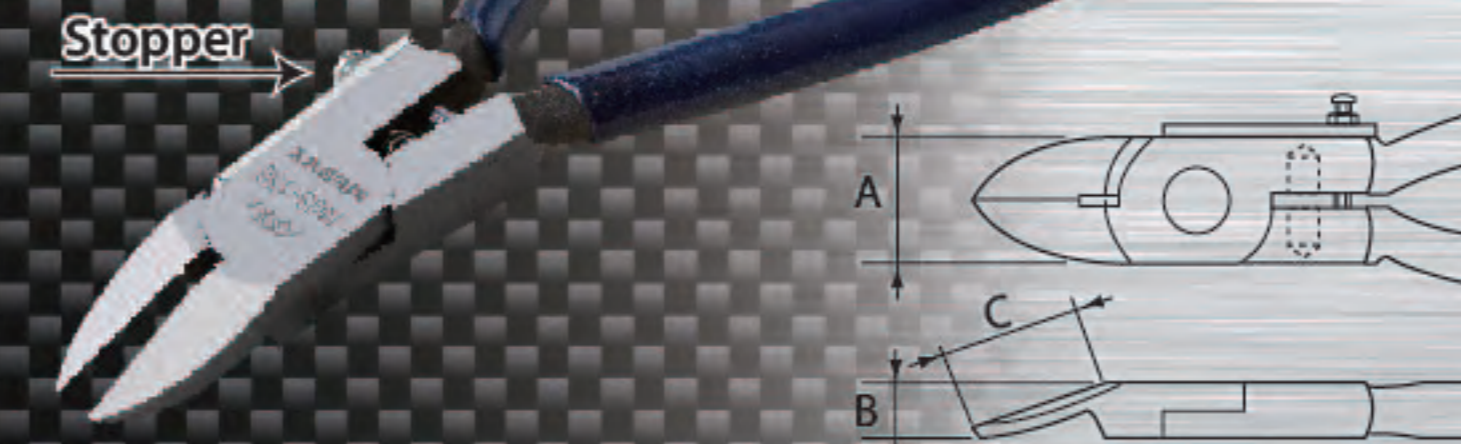
NIPPERS FOR CUTTING PLASTICS

Section of blade   

160S

High plastic nippers
<with adjustable stopper>
Spring Loaded

Round type 

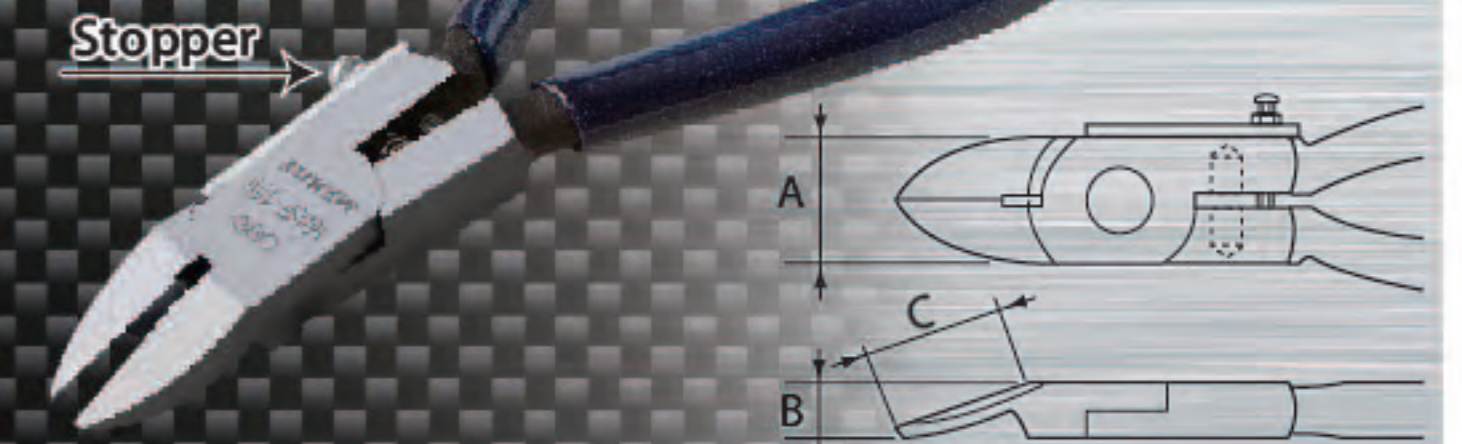


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Plastics	
160S-125	125	14.0	7.5	16.0	90	3.0	
160S-150	150	16.0	8.0	17.0	130	5.0	

160SF

High plastic nippers
<with adjustable stopper>
Spring Loaded

Flat type 

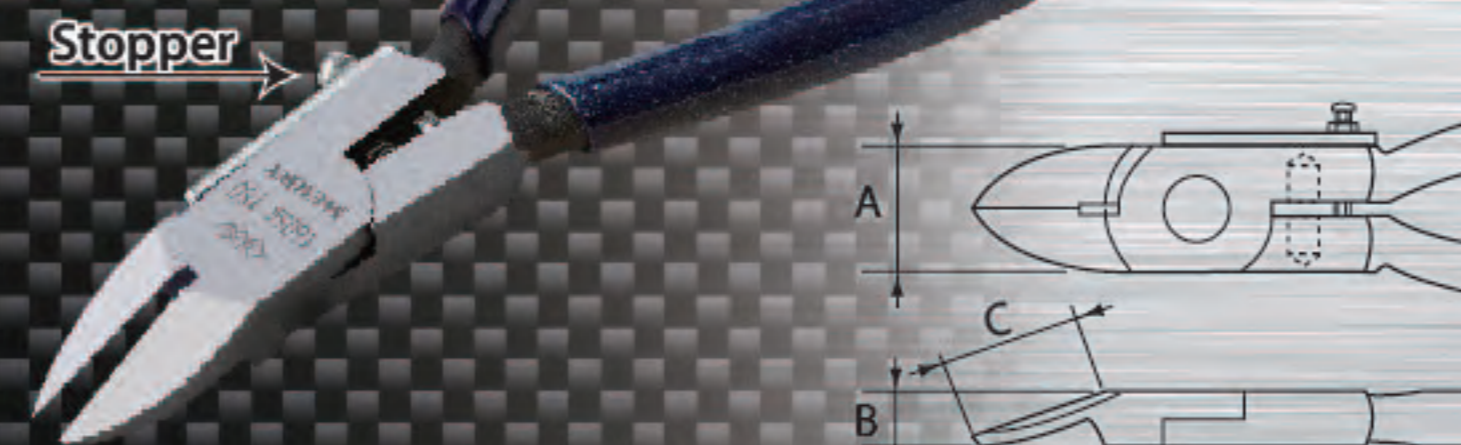


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Plastics	
160SF-125	125	14.0	7.5	16.0	90	3.0	
160SF-150	150	16.0	8.0	17.0	130	5.0	

160SA

High plastic nippers
<with adjustable stopper>
Spring Loaded

Angle type 

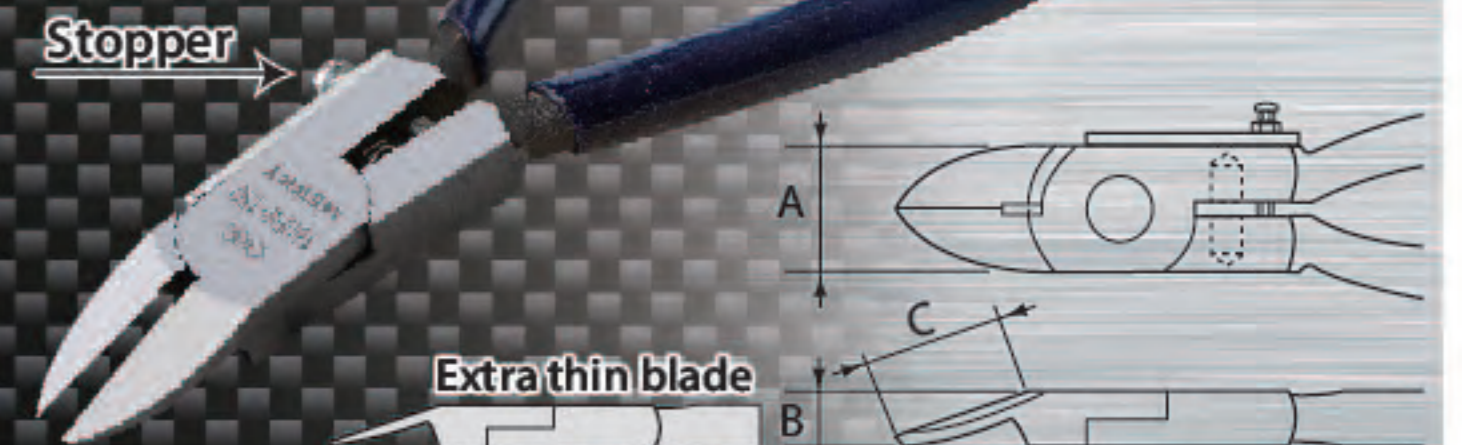


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Plastics	
160SA-125	125	14.0	7.5	16.0	90	3.0	
160SA-150	150	16.0	8.0	17.0	130	5.0	

160FW

High plastic nippers
<with adjustable stopper>
Spring Loaded

Round type 



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Plastics	
160FW-125	125	14.0	7.5	16.0	90	2.0	
160FW-150	150	16.0	8.0	17.0	130	4.0	

160GT

High plastic nippers
<Leaf spring>
Spring Loaded

Round type 

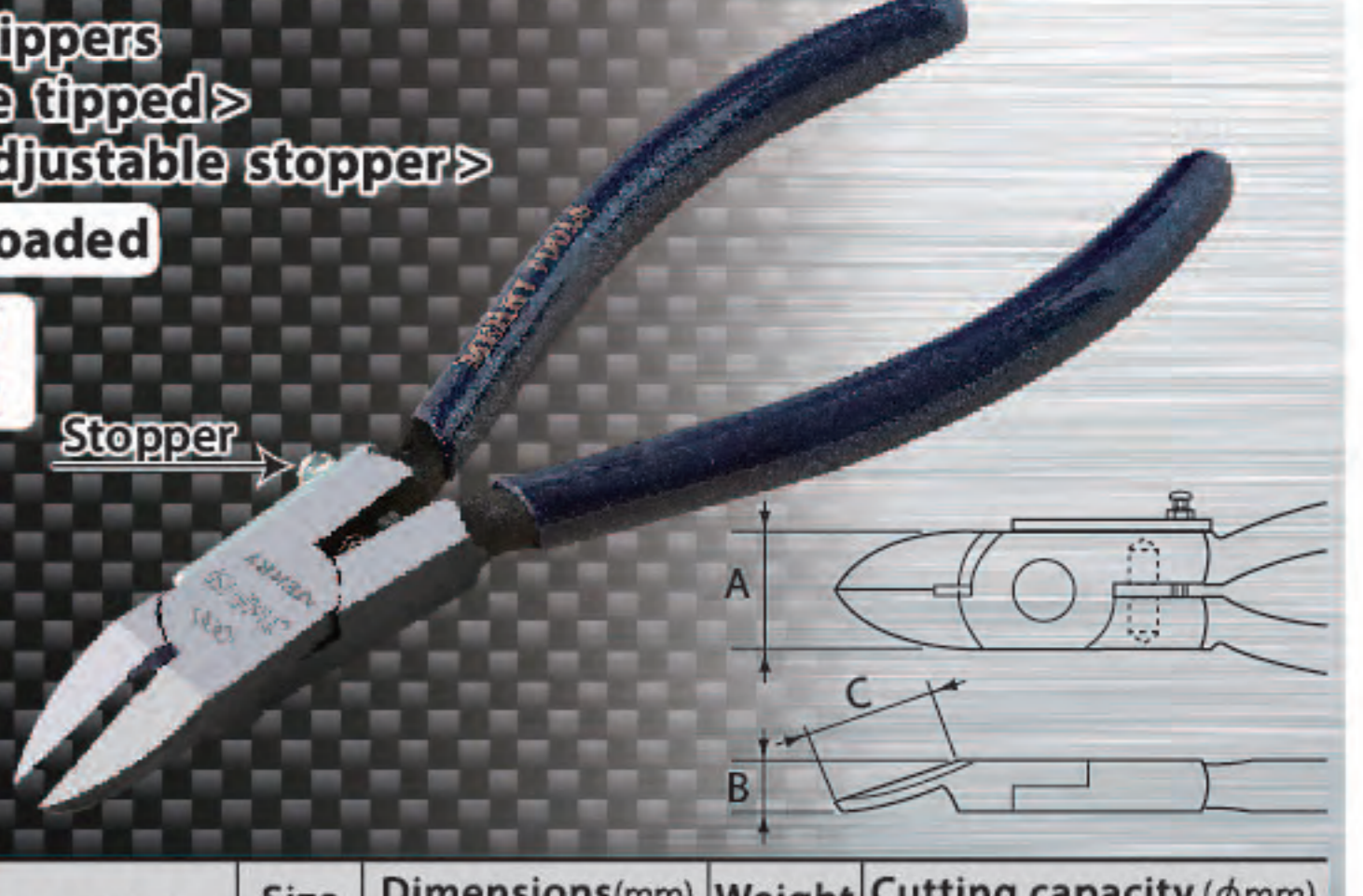


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Plastics	
160GT	150	16.0	8.0	17.0	115	5.0	

CT160F

Plastic nippers
<carbide tipped>
<with adjustable stopper>
Spring Loaded

Flat type 



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Plastics	
CT160F-125	125	14.0	7.0	14.0	90	3.0	
CT160F-150	150	16.0	8.0	15.0	130	5.0	



MERRY

NIPPERS FOR CUTTING PLASTICS



NIPPERS FOR CUTTING PLASTICS

Section of blade

Round type 

Flat type 

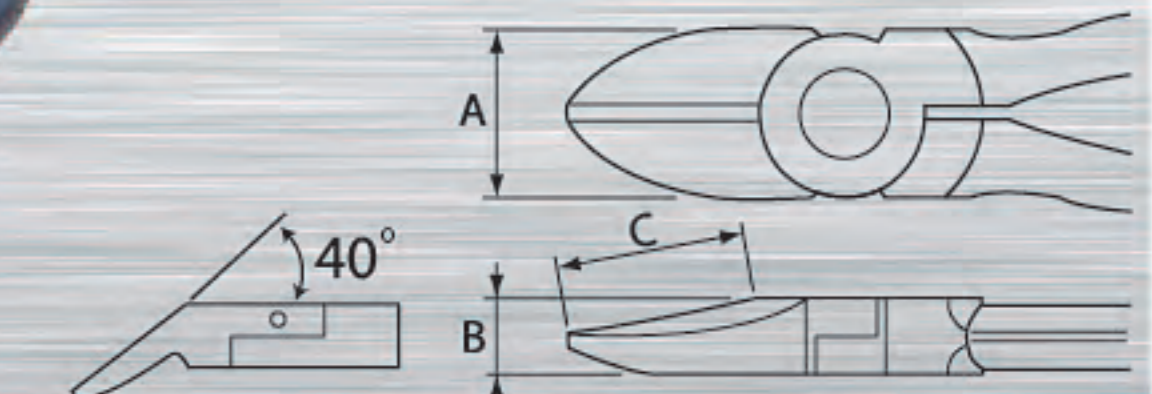
Angle type 

170S

Angled plastic nippers

Spring Loaded

Flat type 



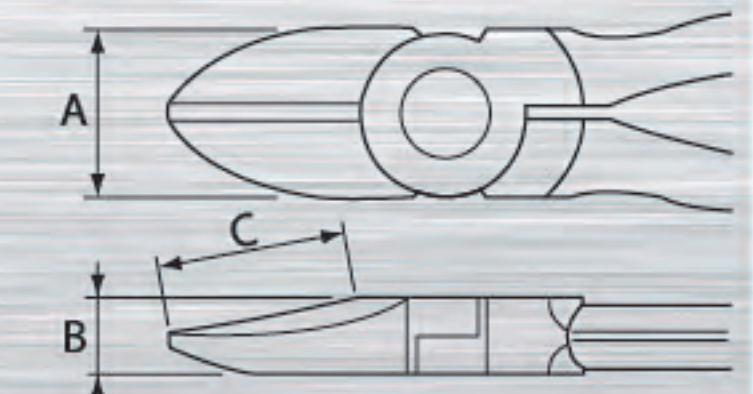
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
170S	150	15.0	10.0	22.0	145	5.0

99

Heavy-duty plastic nippers

Spring Loaded

Round type 



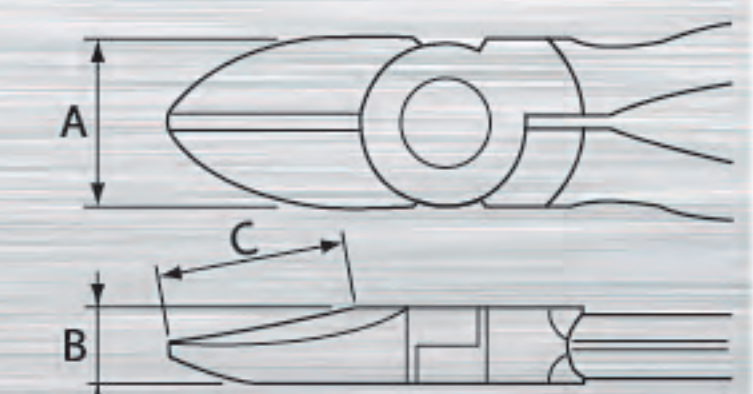
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
99-150	150	22.0	12.5	19.5	200	8.0
99-175	175	24.0	12.5	23.0	260	9.0
99-200	200	26.0	13.5	27.0	340	10.0

99S

Heavy-duty plastic nippers
<with adjustable stopper>

Spring Loaded

Round type 



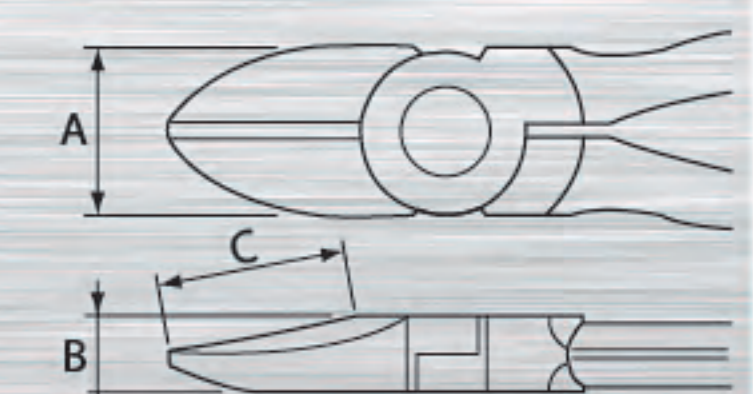
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
99S-150	150	22.0	12.5	19.5	210	8.0
99S-175	175	24.0	12.5	23.0	265	9.0
99S-200	200	26.0	13.5	27.0	340	10.0

99SF

Heavy-duty plastic nippers
<with adjustable stopper>

Spring Loaded

Flat type 



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
99SF-150	150	22.0	12.5	20.0	210	8.0
99SF-175	175	24.0	12.5	23.0	265	9.0
99SF-200	200	25.5	13.5	27.0	345	10.0

NIPPERS FOR CUTTING PLASTICS

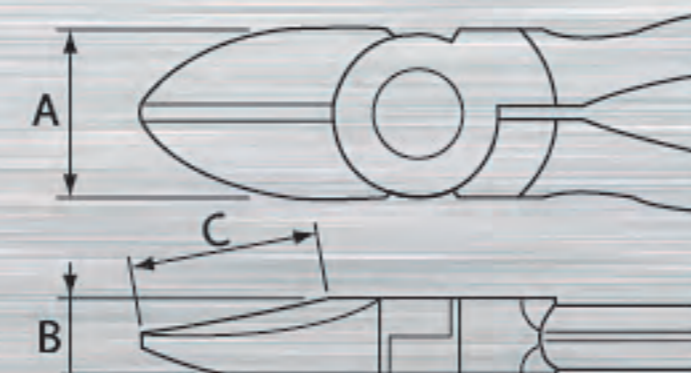
Section of blade **Round type** **Flat type** **Angle type**

66S

Plastic nippers

Spring Loaded

Round type



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

68S

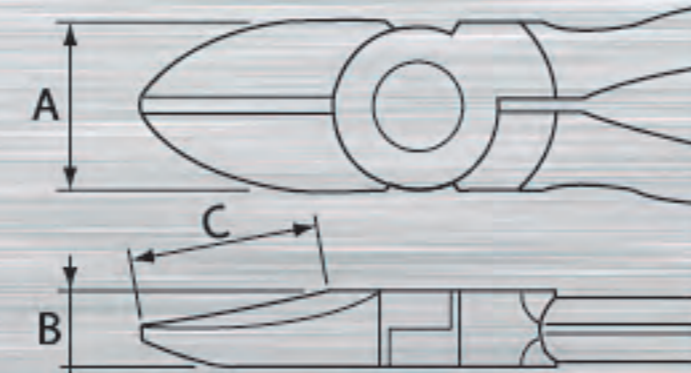
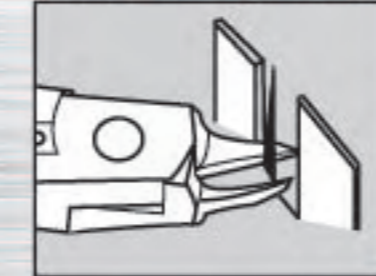
Narrow nose plastic nippers

Spring Loaded

Round type



For cutting in narrow spaces



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
68S	125	12.5	8.0	12.0	90	2.0



MERRY

END CUTTING AND R-CUT NIPPERS FOR CUTTING PLASTICS



END CUTTING AND R-CUT NIPPERS FOR CUTTING PLASTICS

23EF

End cutting plastic nippers
Spring Loaded

Model	Size (mm)	Dimensions(mm)				Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C	D		
23EF	130	17.0	7.0	20.0	6.0	120	3.0

24EF

End cutting plastic nippers
Spring Loaded

Model	Size (mm)	Dimensions(mm)				Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C	D		
24EF	115	13.0	5.5	20.0	3.0	75	3.0

25EF

End cutting plastic nippers
Spring Loaded

Model	Size (mm)	Dimensions(mm)				Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C	D		
25EF	145	17.0	5.5	31.0	4.0	125	3.0

26EF

End cutting plastic nippers
Spring Loaded

Model	Size (mm)	Dimensions(mm)				Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C	D		
26EF	140	17.0	7.0	27.0	7.0	130	3.0

HW25R

R-cut plastic nippers
<with adjustable stopper>
Spring Loaded

Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
HW25R	150	16.0	8.5	16.0	130	5.0

CX25R

R-cut plastic nippers
<with adjustable stopper>
Spring Loaded

Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
CX25R	150	16.0	8.5	13.0	130	5.0

PG20

Pin gate plastic nippers
<with adjustable stopper>
Spring Loaded

Model	Size (mm)	Weight (g)	Cutting capacity (φmm) Plastics

2000EF

End cutting plastic nippers
Spring Loaded

Model	Size (mm)	Dimensions(mm)				Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C	D		
2000EF	190	18.0	8.0	35.0	20-90	200	3.0



MERRY

NIPPERS FOR CUTTING PLASTICS



NIPPERS FOR CUTTING PLASTICS

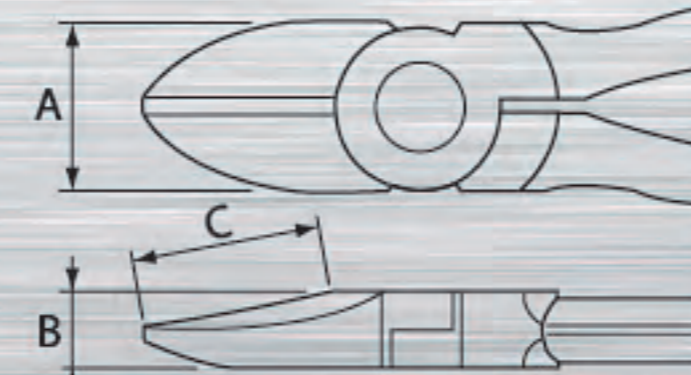
Section of blade **Round type** **Flat type** **Angle type**

550SF

Box joint plastic nippers

Spring Loaded

Round type



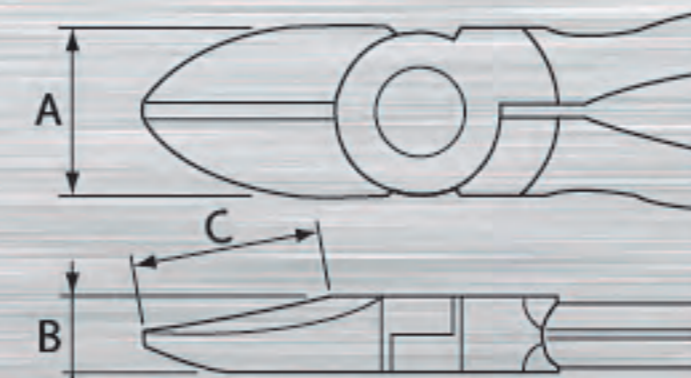
Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
550SF-125	125	14.0	14.5	21.5	110	3.0
550SF-150	150	15.0	17.0	24.0	140	5.0

140S

Flat plastic nippers
<with adjustable stopper>

Spring Loaded

Flat type



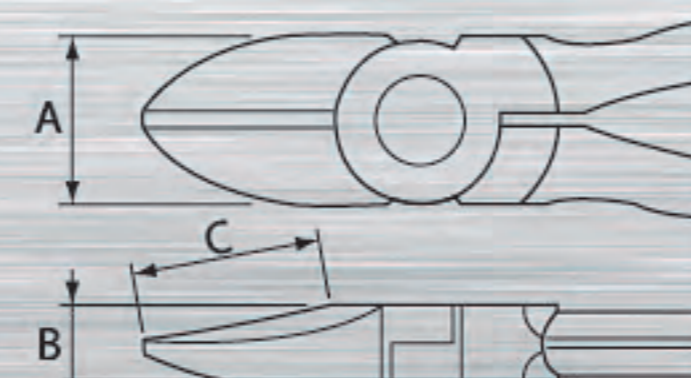
Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
140S	130	12.5	7.5	11.0	90	3.0

170PL

Smooth plastic nippers

Spring Loaded

Flat type



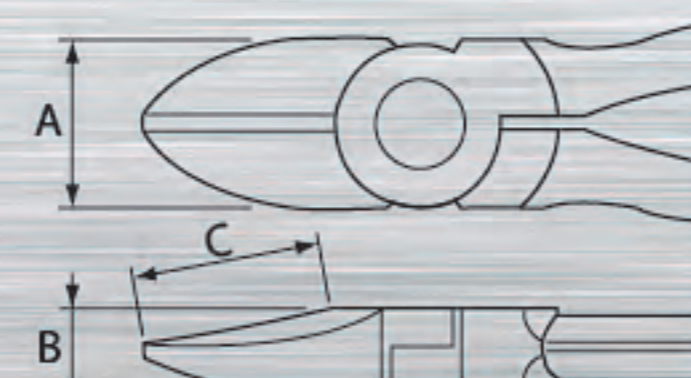
Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
170PL	150	16.0	9.0	24.0	115	5.0

02SP

Tip edge nippers

Spring Loaded

Round type



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
02SP	125	12.0	7.5	6.5	70	2.0



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 

HT120

<End cutting type>
Spring Loaded




Model	Size (mm)	Weight (g)	Cutting capacity (φmm) Plastics	Blade length (mm)	Transformer	Heater
HT120	150	325	4.0	10	TRF25	W19

HT130

<Long blade type>
Spring Loaded


Flat type 


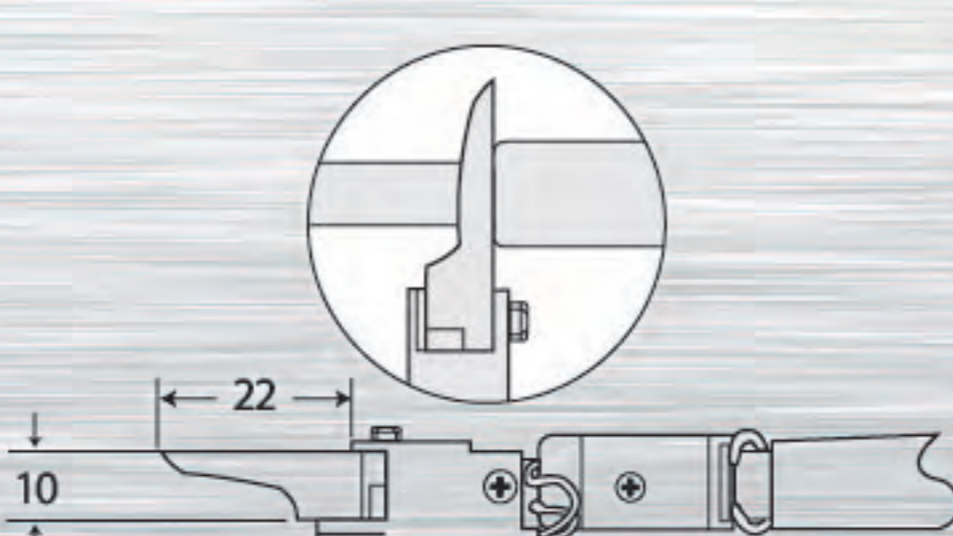



Model	Size (mm)	Weight (g)	Cutting capacity (φmm) Plastics	Blade length (mm)	Transformer	Heater
HT130	165	325	4.0	27	TRF25	W19

HT140

<Flat blade type>
Spring Loaded

Flat type 

Model	Size (mm)	Weight (g)	Cutting capacity (φmm) Plastics	Blade length (mm)	Transformer	Heater
HT140	160	320	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	305	4.0	16	TRF25	W19

HT170

<Angle blade type>
Spring Loaded

Flat type 




Model	Size (mm)	Weight (g)	Cutting capacity (φmm) Plastics	Blade length (mm)	Transformer	Heater
HT170	150	325	4.0	22	TRF25	W19

HEAT NIPPERS FOR CUTTING PLASTICS

Section of blade

Round type  Flat type  Angle type 

HT180

<Standard type>
Spring Loaded


Round type 


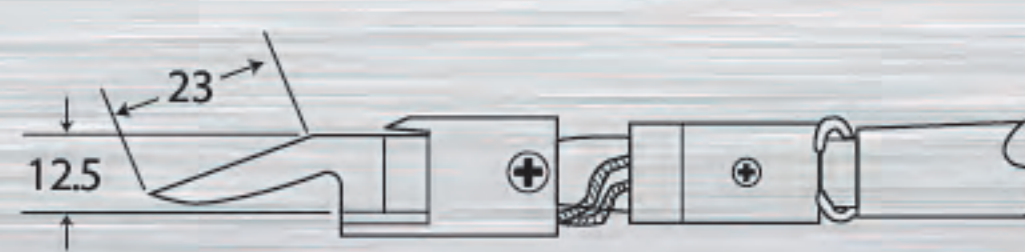



Model	Size (mm)	Weight (g)	Cutting capacity (φmm) Plastics	Blade length (mm)	Transformer	Heater
HT180	190	345	4.0	16	TRF25	W19

HT200

<Heavy-duty type>
Spring Loaded

Round type 

Model	Size (mm)	Weight (g)	Cutting capacity (φmm) Plastics	Blade length (mm)	Transformer	Heater
HT200	190	435	7.0	23	TRF25	W29

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

TRF25

<100V, 120V, 220V, 240V >

TRF100D

Model	Input power	Output power	Length of cord (m)
TRF25	AC100V~240V 50~60HZ	30VA MAX	1.85
TRF100D	AC100V50~60HZ	30VA MAX	1.83

HEATER

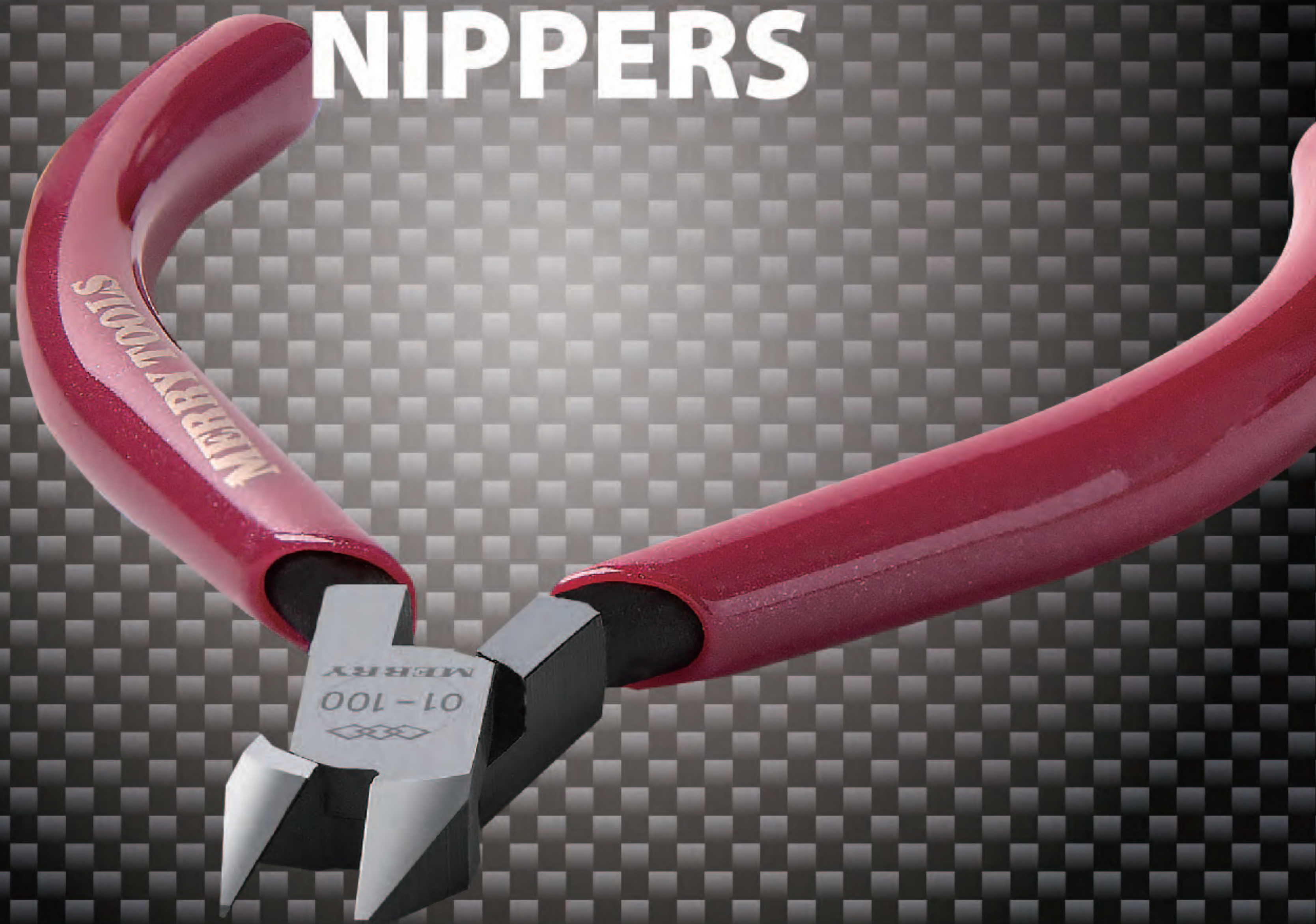


Applicable tools	W19	W29
	HT120 • HT130 HT140 • HT160 HT170 • HT180	



MERRY

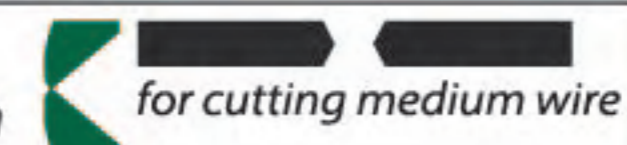
STANDARD PLIERS AND NIPPERS




STANDARD PLIERS AND NIPPERS

Blade shape

Standard  for cutting hard wire

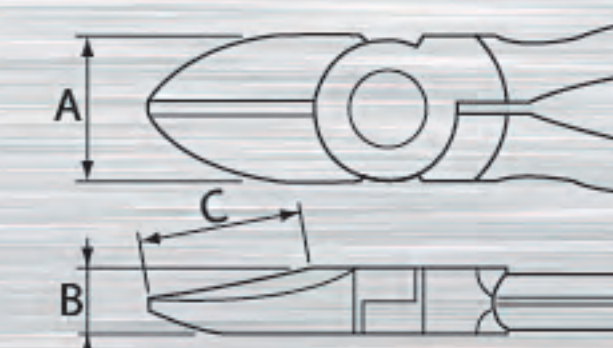
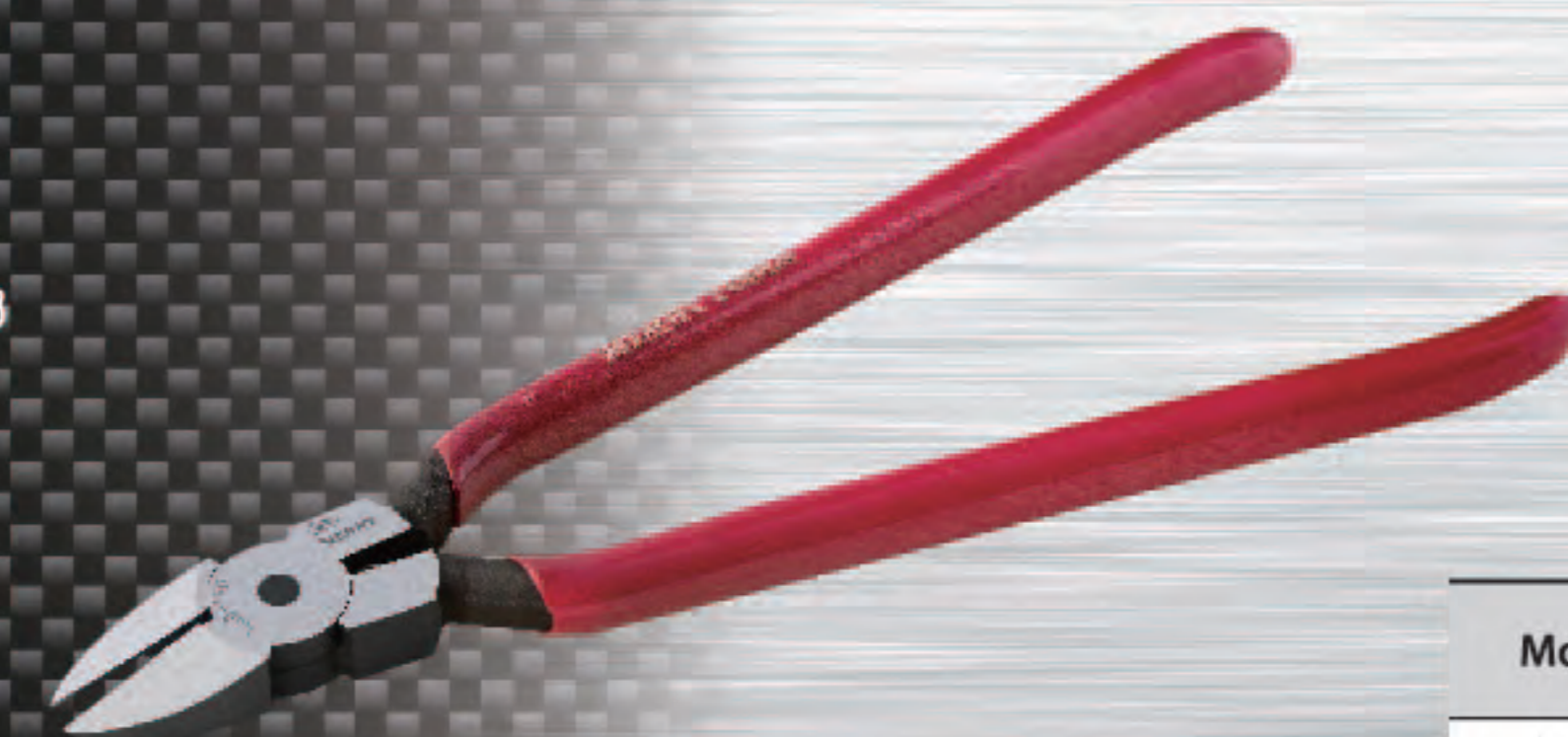
Semi-flush  for cutting medium wire

Full-flush  for cutting soft wire only or plastic, gate and sprue

L30

Long handle cutting nippers
Spring Loaded

Semi-flush 



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
L30	190	17.0	9.0	19.0	165	1.2	2.0

L40

Long handle plastics cutting nippers
Spring Loaded

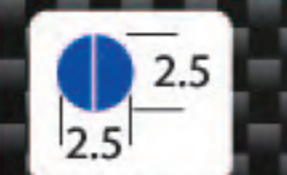
Flat type 

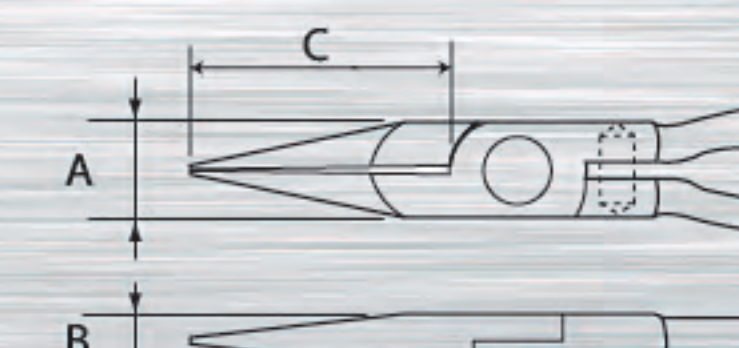


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)
		A	B	C		
L40	190	17.0	9.0	19.0	175	5.0

L50

Long handle needle pliers
Spring Loaded

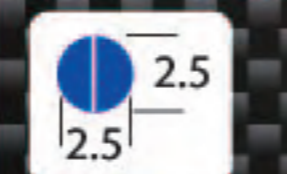
 2.5 / 2.5



Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
L50	200	12.0	7.5	55.0	145

L60

Long handle bent nose pliers
Spring Loaded

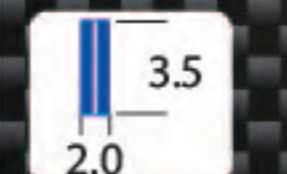
 2.5 / 2.5

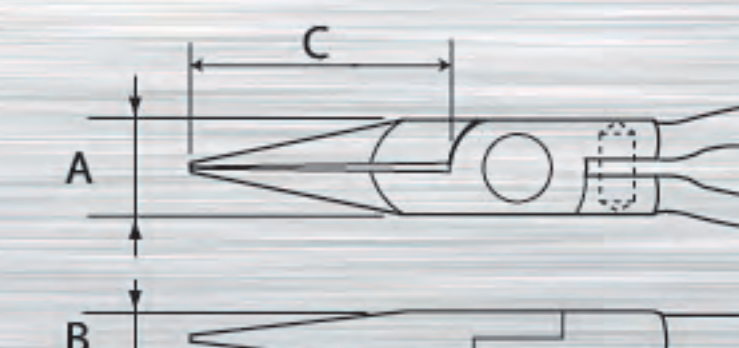
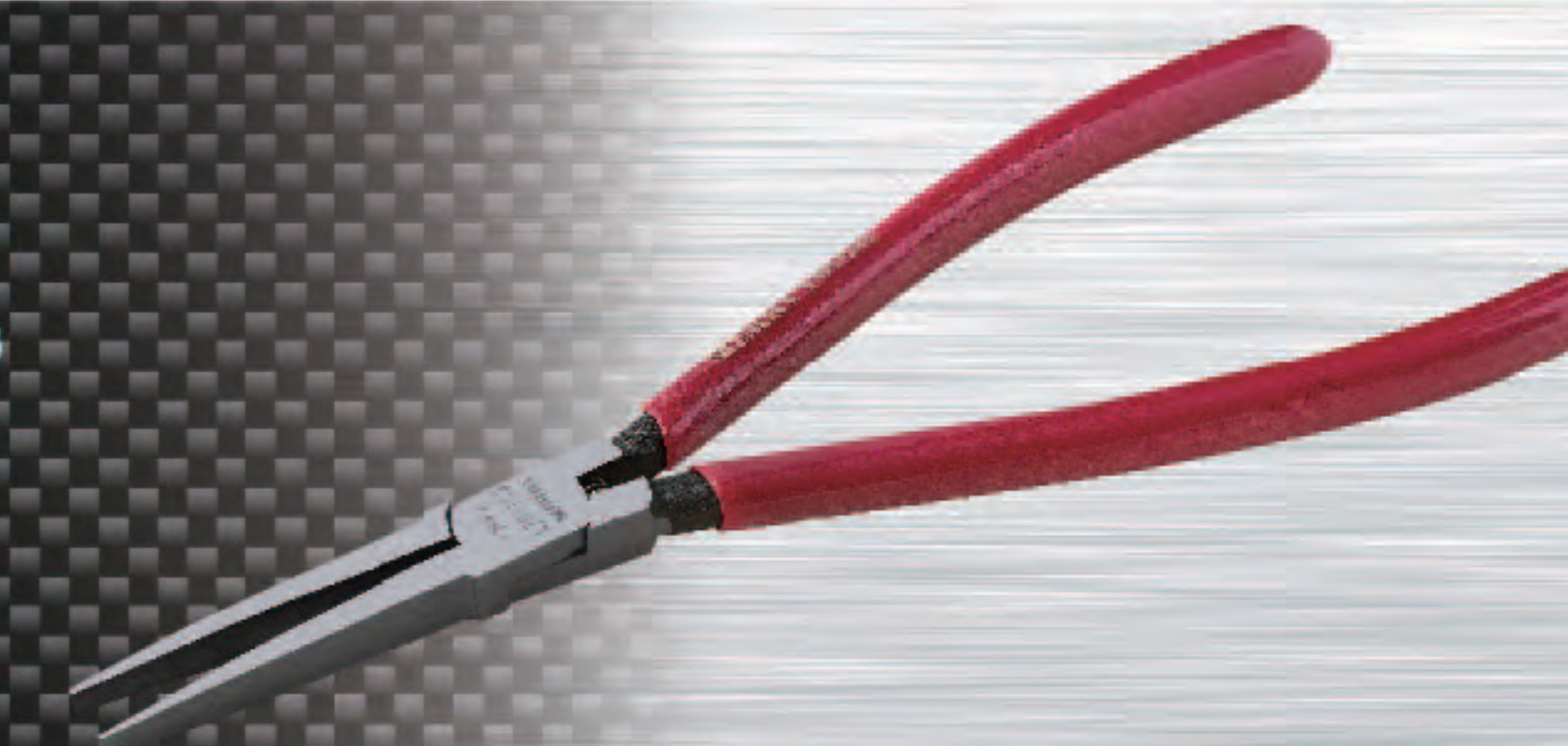


Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
L60	200	12.0	7.5	53.0	145

L70

Long handle flat nose pliers
Spring Loaded

 3.5 / 2.0



Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
L70	185	11.5	7.0	42.0	130

STANDARD PLIERS AND NIPPERS

Section of blade

Round type  Flat type  Angle type 

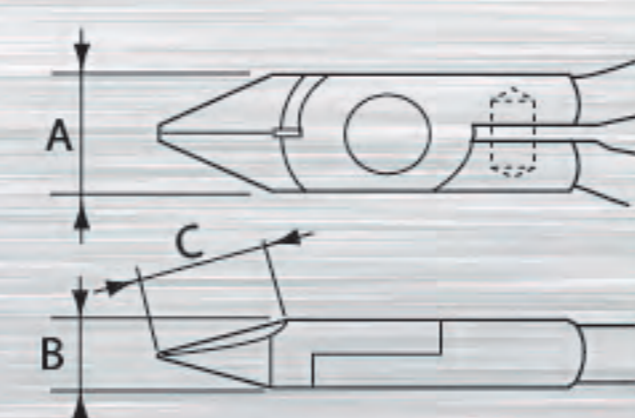
Blade shape

Semi-flush  for cutting medium wire

01

Miniature nippers
Spring Loaded

Semi-flush 

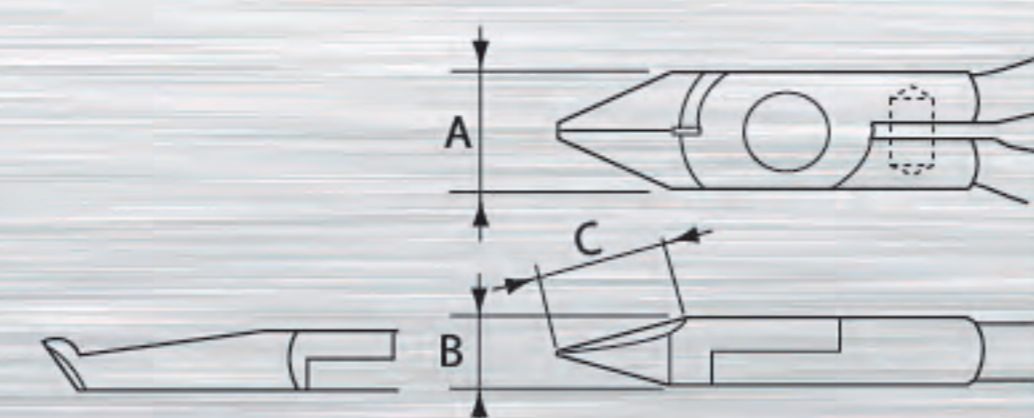
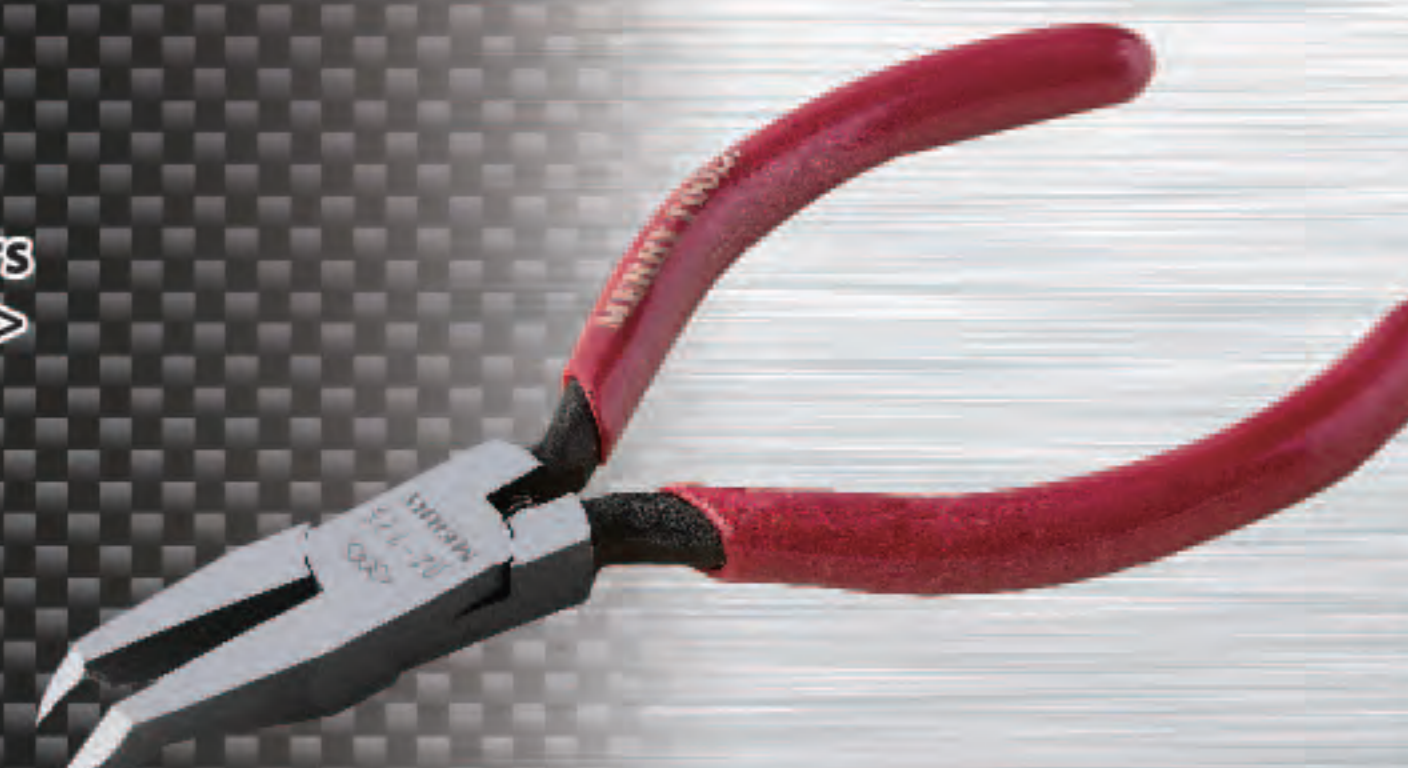


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
01	100	9.5	6.0	8.5	50	0.5	0.8

02

Miniature nippers
<Tip edge type>
Spring Loaded

Semi-flush 

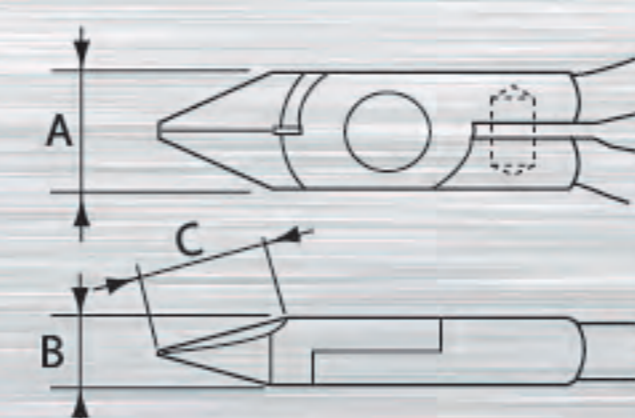


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
02	125	11.5	7.5	6.5	65	0.5	0.8

03

Miniature nippers
Spring Loaded

Semi-flush 

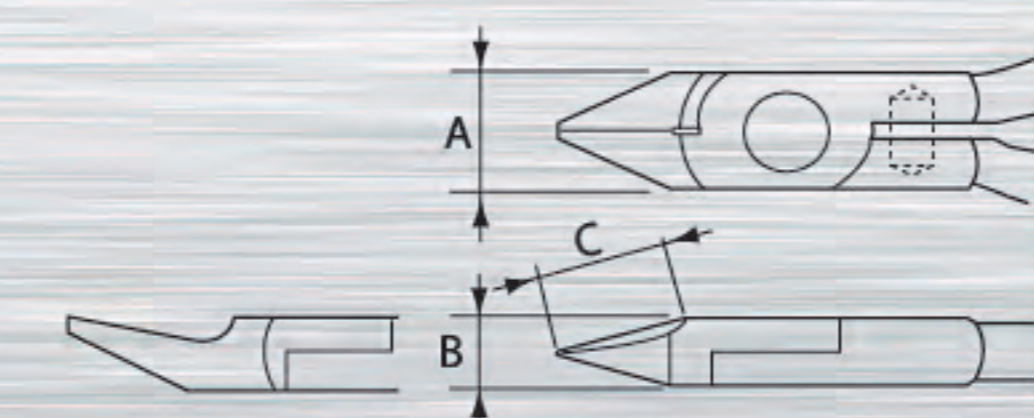


Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
03	100	10.5	7.0	11.0	55	0.5	0.8

04

Miniature nippers
Spring Loaded

Semi-flush 



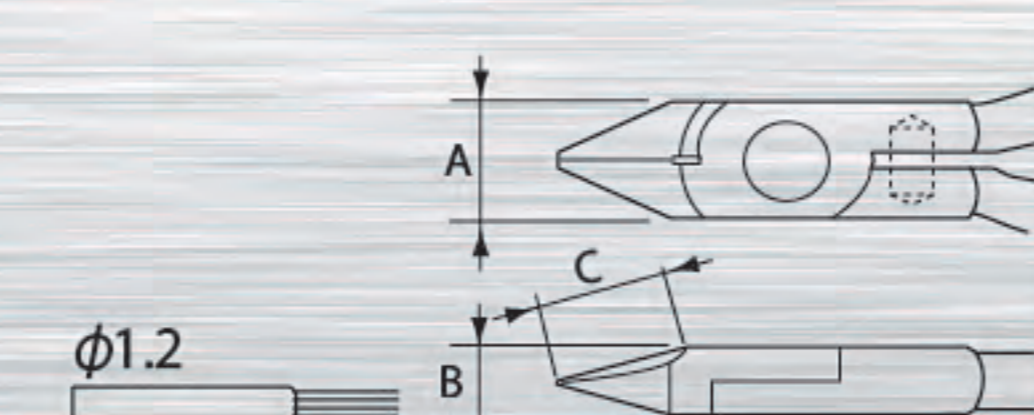
Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
04	100	10.5	7.0	10.0	55	0.5	0.8

05

Miniature nippers
<with stripping hole>
Spring Loaded

Semi-flush 

Stripping hole



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
05	100	10.5	7.0	11.0	55	0.5	0.8

STANDARD PLIERS AND NIPPERS

Section of blade

Round type  Flat type  Angle type 

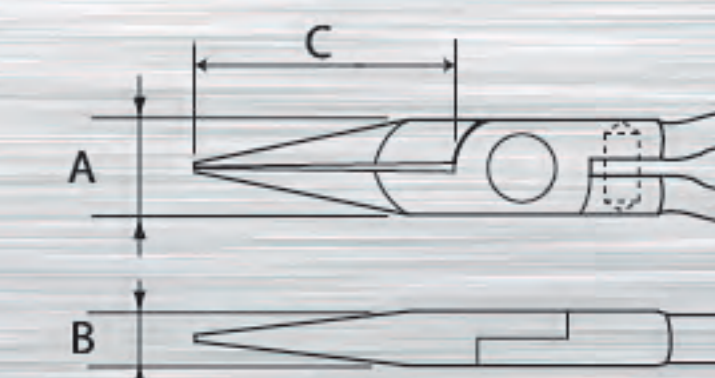
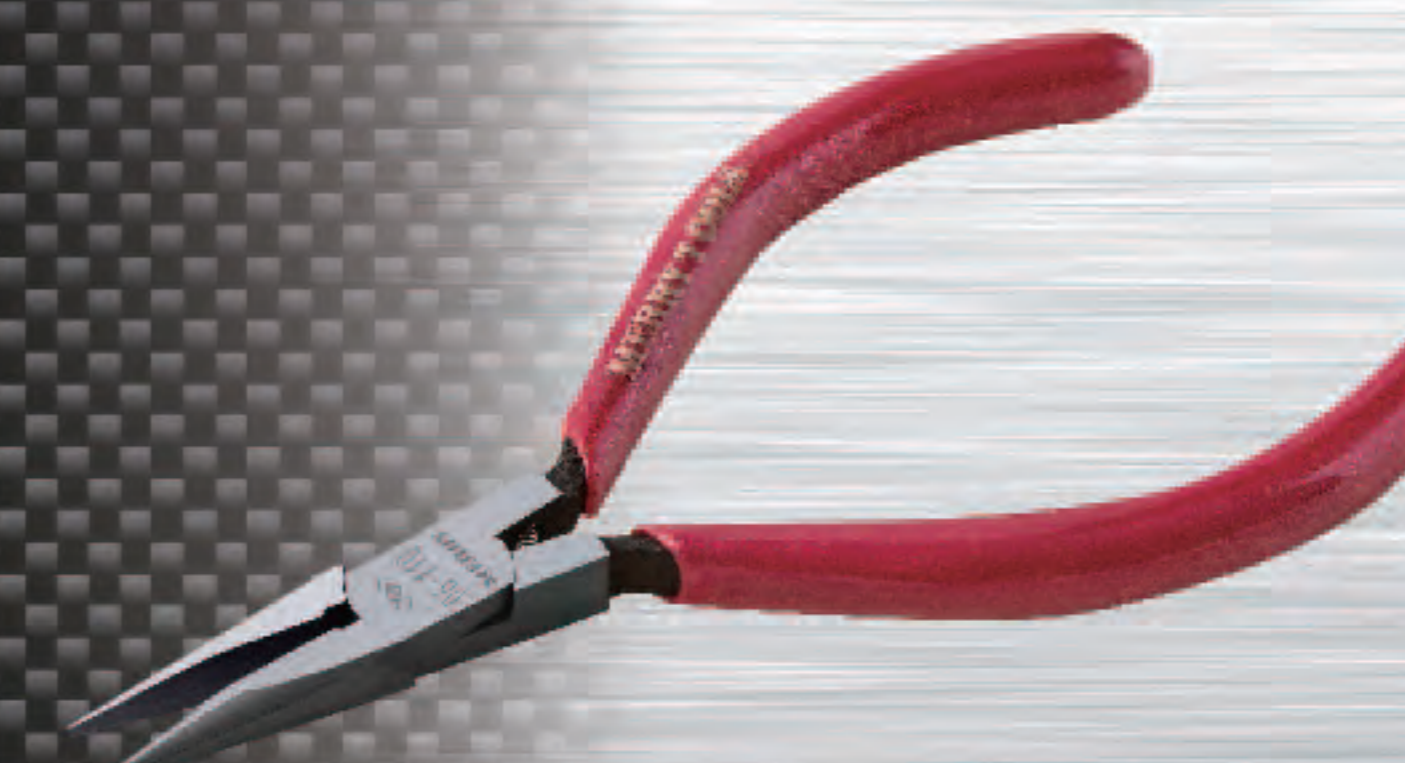
Blade shape

Semi-flush  for cutting medium wire

06

Miniature needle pliers
Spring Loaded

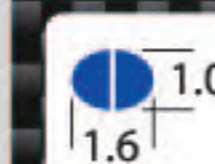
 1.0
1.6

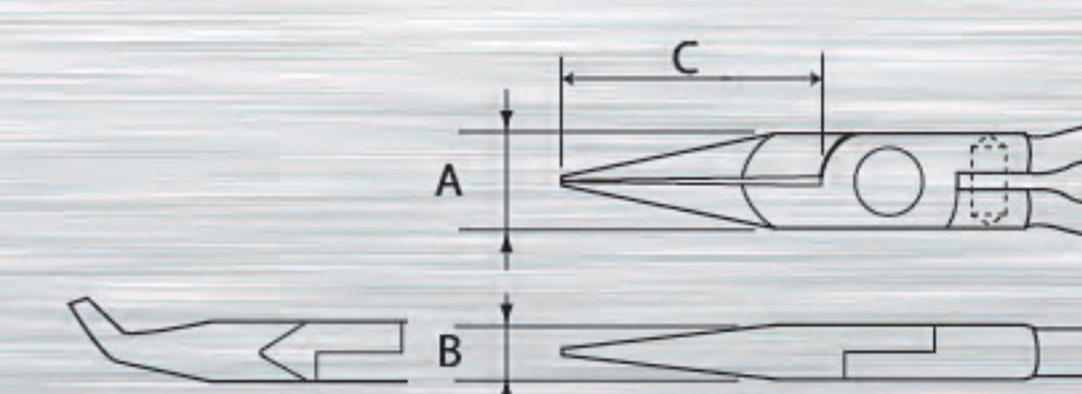


Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
06	110	9.5	6.0	23.0	55

07

Miniature bent nose pliers
Spring Loaded

 1.0
1.6

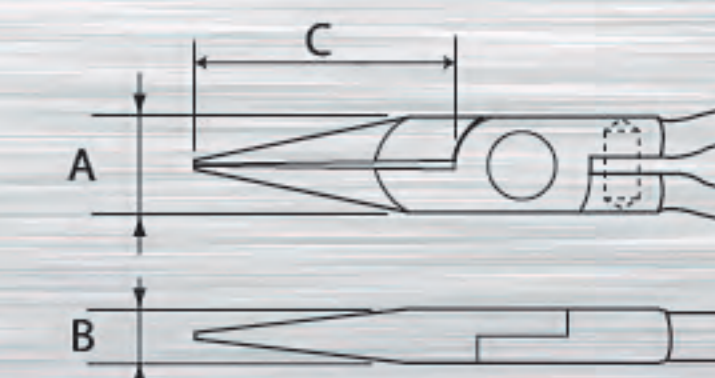


Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
07	110	9.5	5.5	21.0	55

08

Miniature flat nose pliers
Spring Loaded

 4.0
1.2

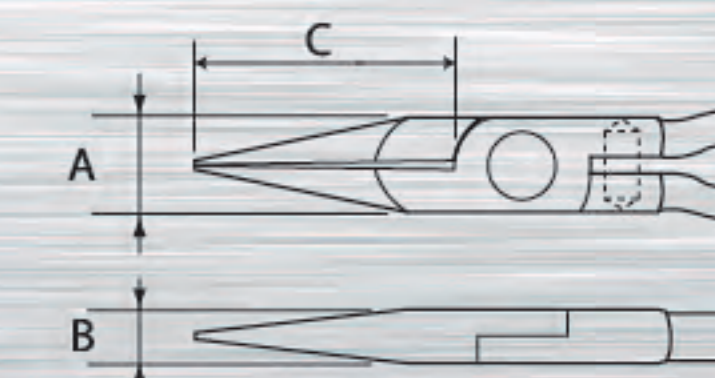


Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
08	110	9.5	6.0	22.0	55

09

Miniature semi needle pliers

 1.5
2.0



Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
09	120	11.0	7.5	32.0	70

STANDARD PLIERS AND NIPPERS

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

Blade shape: Semi-flush for cutting medium wire

M10

Miniature long needle pliers
Spring Loaded

2.0 / 2.0

Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
M10	150	12.0	7.0	58.0	80

M11

Miniature plastic cutting nippers
Spring Loaded

Round type

Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
M11	125	14.0	8.0	15.0	85	3.0

M12

Miniature plastic cutting nippers
Spring Loaded

Round type

Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
M12	125	12.5	8.5	12.0	85	3.0

M13

Miniature needle pliers
Spring Loaded

2.0 / 2.0

Serrated

Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
M13	140	12.0	7.0	47.0	75

STANDARD PLIERS AND NIPPERS

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

Blade shape: Semi-flush for cutting medium wire

M14

Miniature side cutting pliers
Spring Loaded

1.5 / 2.0

Serrated

Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
M14	130	13.5	8.0	37.0	80	1.2	2.0

M15

Miniature chain nose pliers
Spring Loaded

1.8 / 1.8

Model	Size (mm)	Dimensions (mm)			Weight (g)
		A	B	C	
M15	125	12.0	7.5	30.0	80

M16

Miniature end cutting nippers
Spring Loaded

Semi-flush

Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm)	
		A	B	C		Steel wire	Copper wire
M16	115	12.0	7.0	21.0	65	0.5	0.8



MERRY

CLIP PLIERS SNAP RING PLIERS

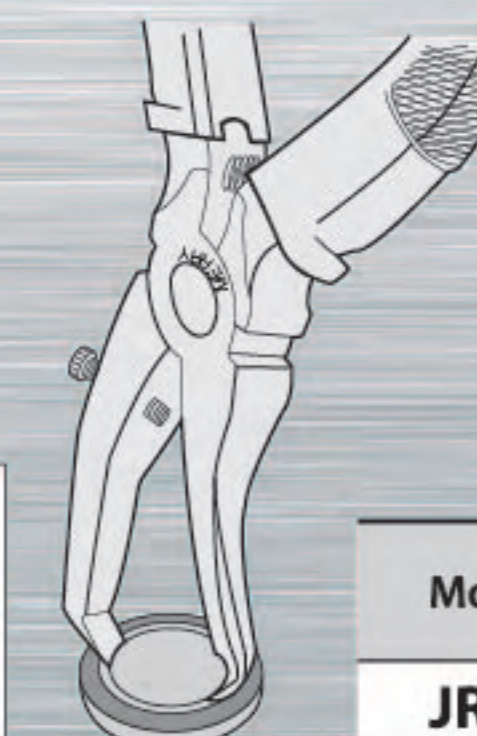
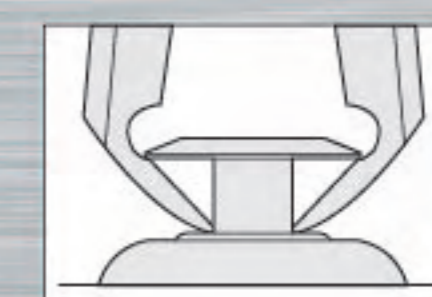


CLIP PLIERS

JR60

<for automotive garage>

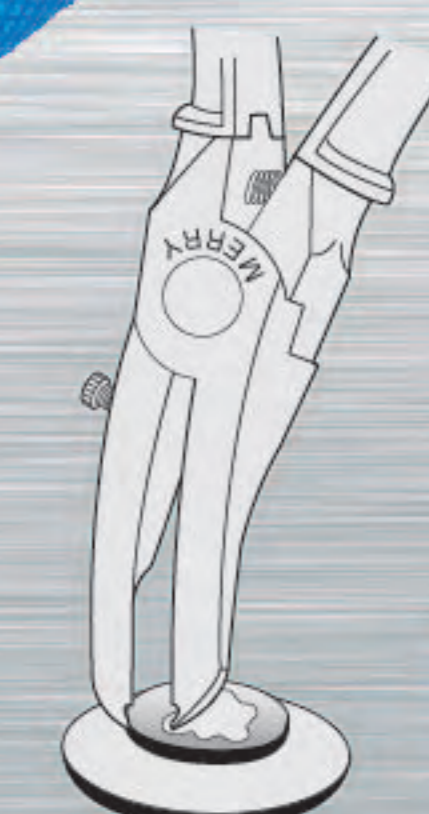
Spring Loaded



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

JR80

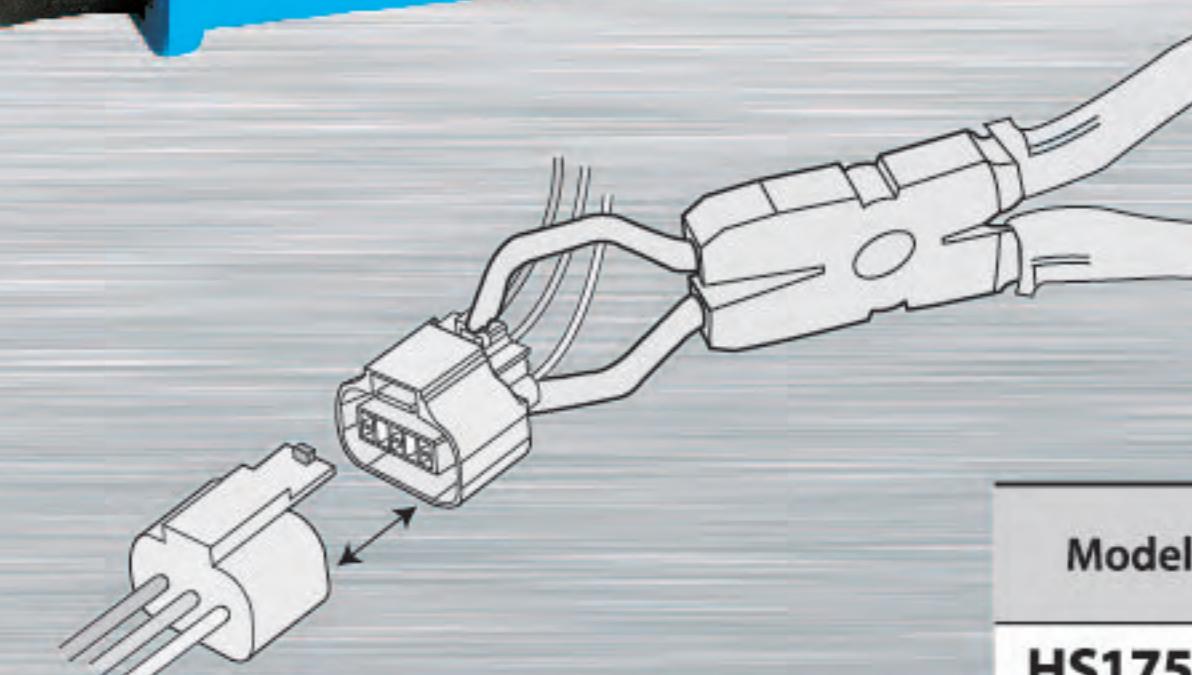
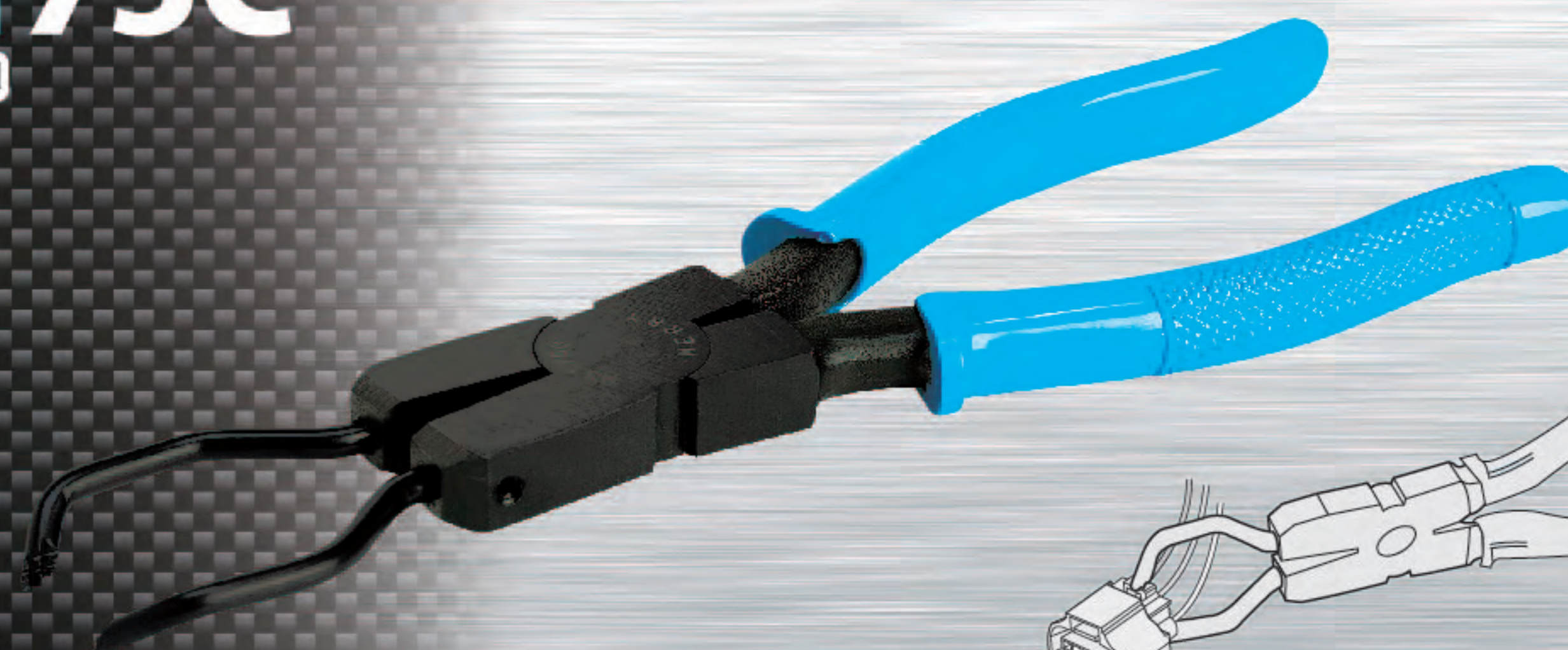
Spring Loaded



Model	Size (mm)	Weight (g)
JR80	155	130

HS175C

Spring Loaded

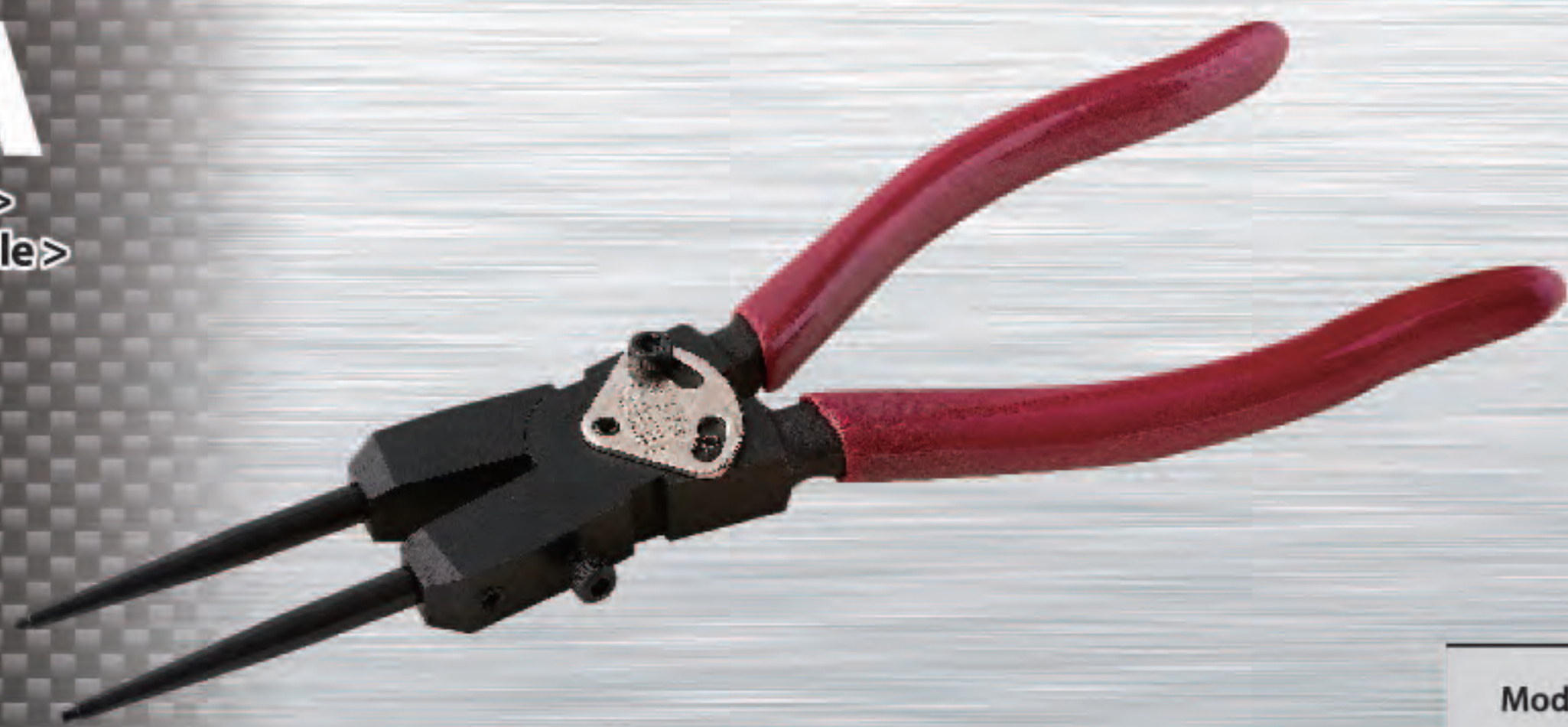


Model	Size (mm)	Weight (g)
HS175C	190	220

SNAP RING PLIERS

HS175A

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



Model	Size (mm)	Weight (g)
HS175A	200	235

JS175A

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

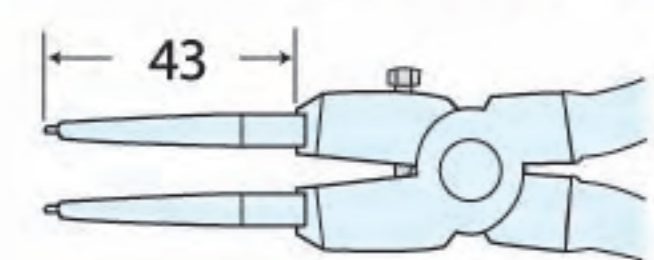


Model	Size (mm)	Weight (g)
JS175A	200	240

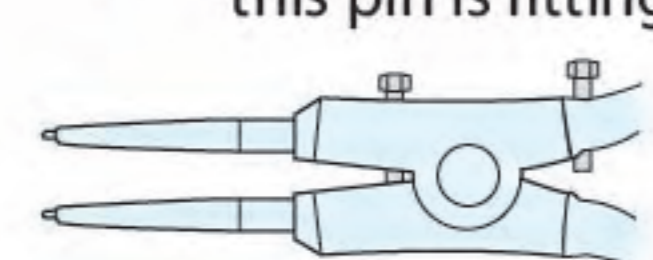
Standard accessory pin (With 2 types of pin spanners)

Standard accessory parts (HS175A and JS175A)

■ For deep depth (tip $\phi 1.5$) ● When opened, this pin is fitting

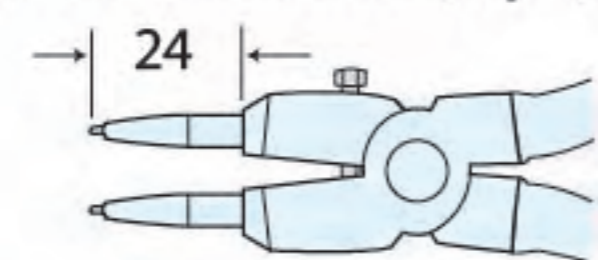


Applicable rings
(For Internal Snap Rings)
 $\phi 12 \sim \phi 30$

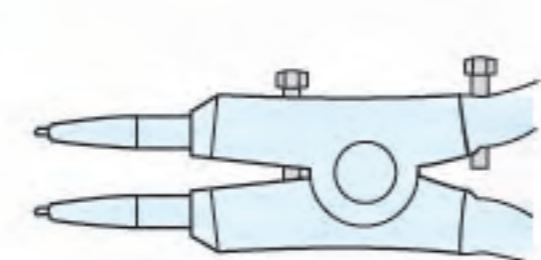


Applicable rings
(For External Snap Rings)
 $\phi 12 \sim \phi 30$

■ For middle (tip $\phi 1.5$)

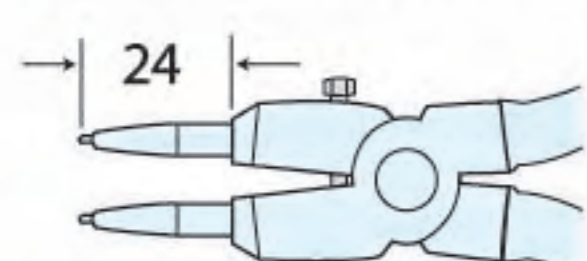


Applicable rings
(For Internal Snap Rings)
 $\phi 12 \sim \phi 18$

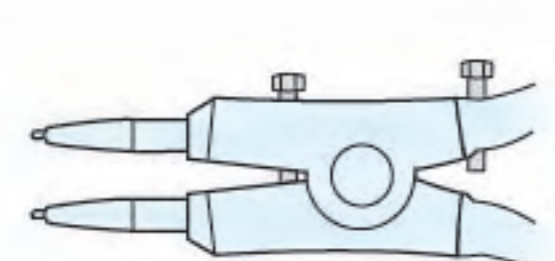


Applicable rings
(For External Snap Rings)
 $\phi 12 \sim \phi 18$

■ For small (tip $\phi 1.2$)



Applicable rings
(For Internal Snap Rings)
 $\phi 10 \sim \phi 11$

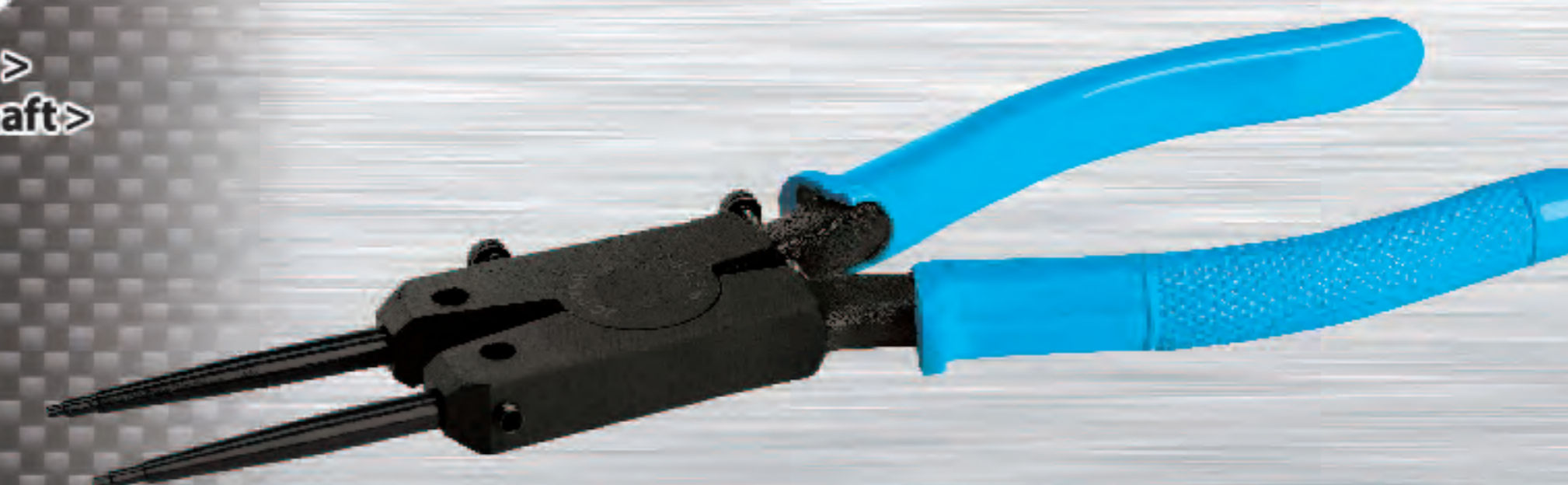


Applicable rings
(For External Snap Rings)
 $\phi 6 \sim \phi 11$

SNAP RING PLIERS

JC175B

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



Model	Size (mm)	Weight (g)
JC175B	190	260

HC175B

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



Model	Size (mm)	Weight (g)
HC175B	190	255

Standard accessory pin

Standard accessory parts (JC175B and HC175B)

Model	Tip diameter	Pin length (pin only)	Pin length (Fitted)
Deep depth pin	$\phi 1.5$	58	43
Long pin	$\phi 1.8 \sim \phi 2.5$	56	41
Small pin	$\phi 1.2$	39	24
Middle pin	$\phi 1.5$	39	24
Pins for HS and JS	$\phi 2.0$	36	21
Pin-Wrench (2 types)	2mm • 2.5mm		

By using the accessory long pin (tip $\phi 1.8$), the snap ring of the pulley bearing can be removed without having to remove the radiator and compressor body. (This may not be possible on some car models.)

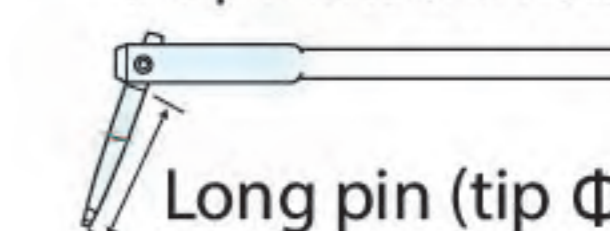


When removing and installing the motor antenna, insert the tip pin into the hole-type set screw hole (A) and lock both adjusting screws to ensure that the set screws can be tightened back.



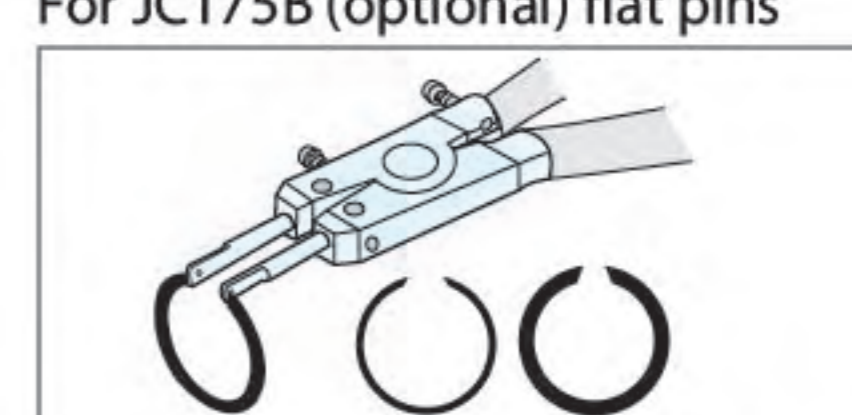
(A) Hole set screw holes in motor antenna

Can be used as a diagonal pin by inserting the pin into the hole at the end of the body.



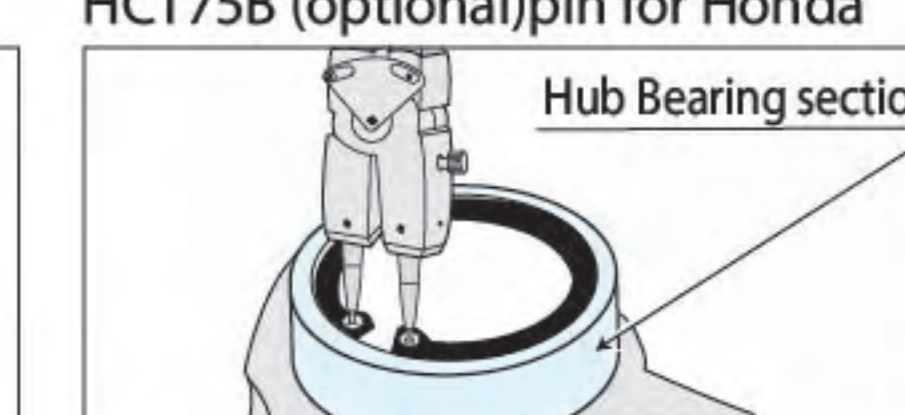
Long pin (tip $\phi 1.8$)

For JC175B (optional) flat pins



The use of flat pins allows snap rings without holes or notches to be detached.

HC175B (optional) pin for Honda



The snap ring in the hub bearing section of Honda vehicles can be removed and fitted.



MERRY

PLASTIC PIPE CUTTERS



PLASTIC PIPE CUTTERS

PIP19



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



AT-PIP19



Model	Overall length (mm)	Weight (g)	Cutting capacity (φmm)	Blade
PIP19	217	455	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.



AT-PIP42



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	277	490	PVC pipe 42 / VP pipe 30 VW pipe 30 / VE pipe 36	P63

PLASTIC PIPE CUTTERS

FL38N



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



Model	Overall length (mm)	Weight (g)	Cutting capacity (φmm)	Blade
FL38N	225	170	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	475	Reinforced flexible conduits up to φ55mm o.d.	FP50

MC80

< for water piping service >



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



Silicon hose(up to φ34)



CD tube(up to φ34)



Bridge polyethylene tube (up to φ34)



Protector



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



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

Model	Overall length (mm)	Weight (g)	Blade
MC80	233	255	C80



MERRY

DUCT AND MOULD CUTTERS MERRY CUTTERS



MADE IN JAPAN X10

MERRY

DUCT AND MOULD CUTTERS/ MERRY CUTTERS

SX5 Designed for one-hand operation.
Suitable for soft materials.
< Slim type >



Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX5	195	170	53	X5	PB-SX5-5P

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	245	65	X7	PB-SX7-5P

SX10 Cutting nylon hose, rubber hose, soft cable wire, plastic channel, leather belt, etc
< Heavy-duty type >



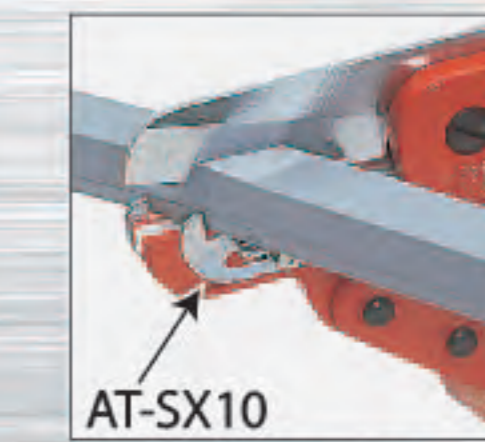
AT-SX10

Cutting of plastic protector

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX10	210	380	65	X10	PB-SX10-5P

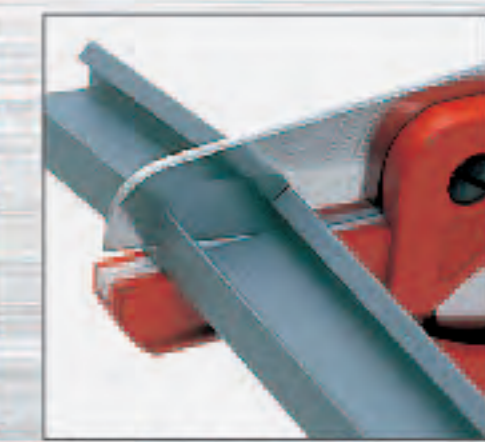
DUCT AND MOULD CUTTERS/ MERRY CUTTERS

SX15
< Standard type >



AT-SX10

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

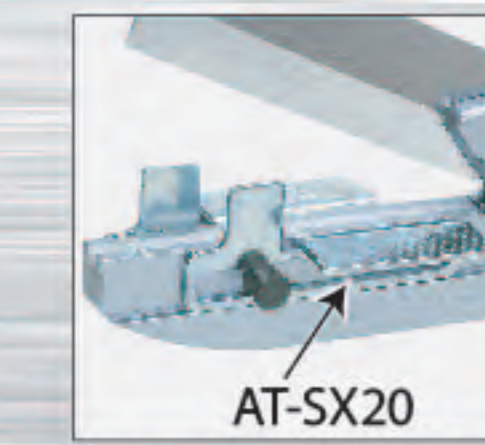


Plastic duct and duct cover



Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX15	210	395	65	X15	PB-SX15-5P

SX20
< Long blade type >



AT-SX20

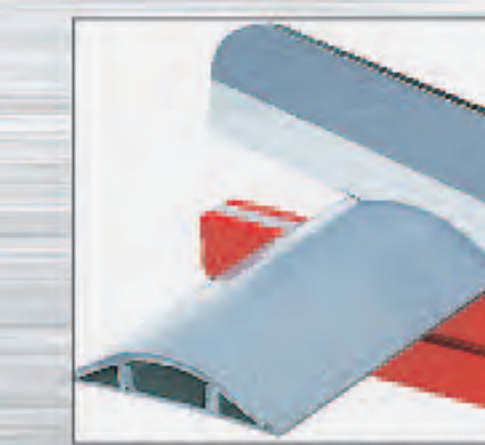
An attachment is available for right and 45° angle cutting. (Standard accessory)



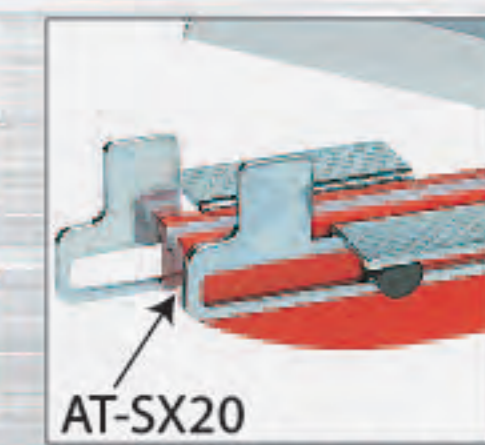
Cutting of nylon hoses

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX20	285	685	110	X20	PB-SX20-5P

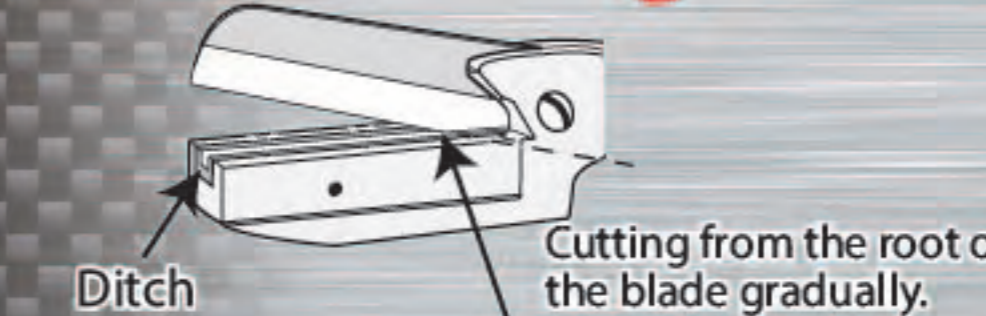
SX25
< Long blade type >



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.



Ditch

Cutting from the root of the blade gradually.

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade	Plastic plate
SX25	285	685	110	X25	PB-SX25-5P

Examples of subjects for cutting



■ Protector



■ Nylon hose



■ Electric wire (Twisted wire)



■ Tree branch



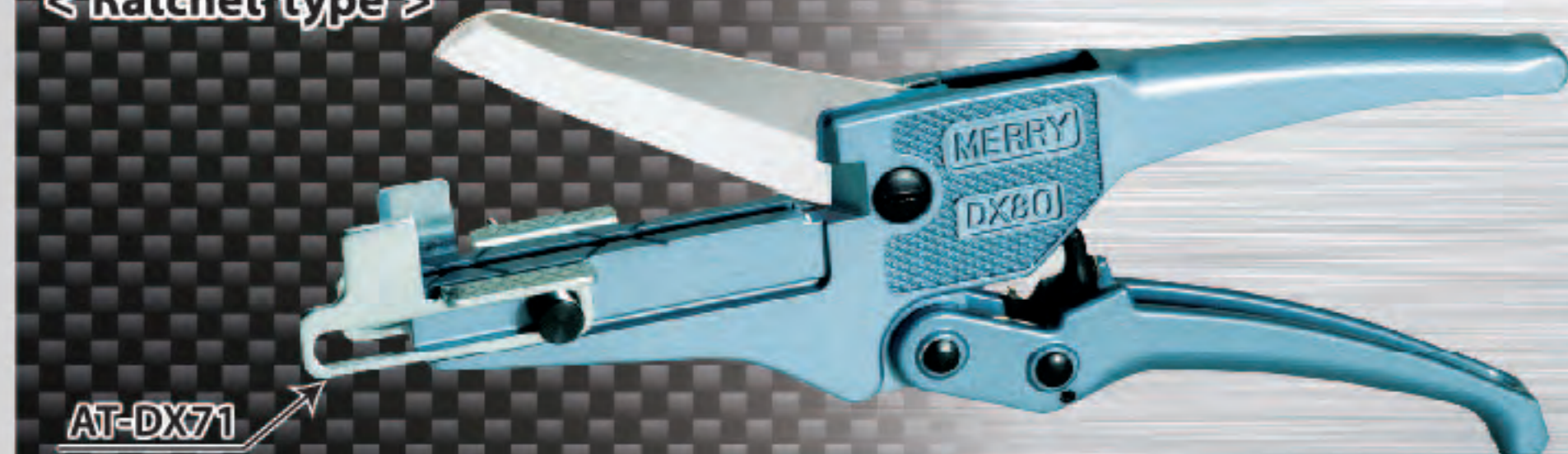
■ Plastic cable protector

DUCT AND MOULD CUTTERS/ MERRY CUTTERS

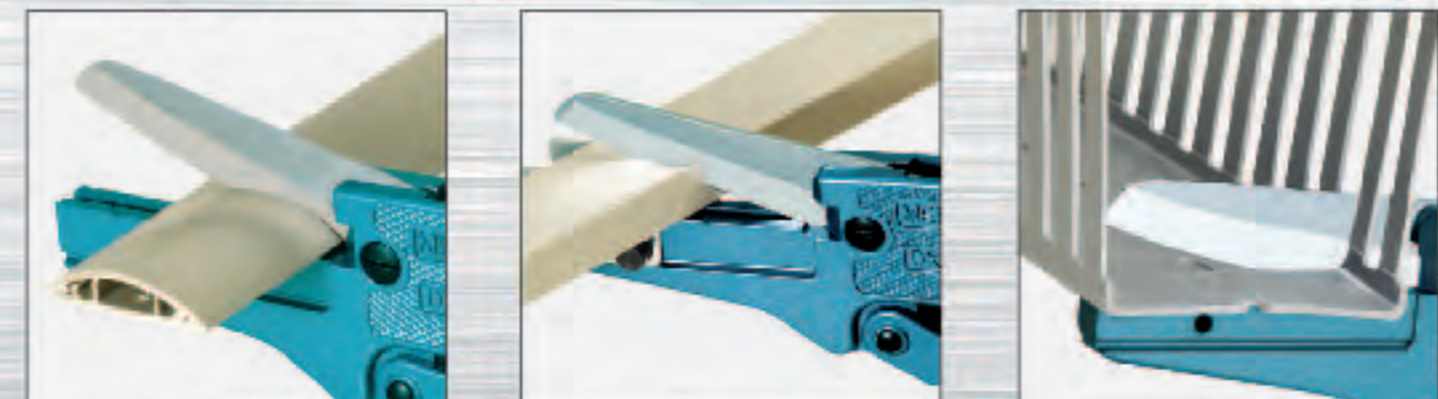
Section of blade **Round type** **Flat type** **Angle type**

DX80

< Ratchet type >



3-step ratcheting

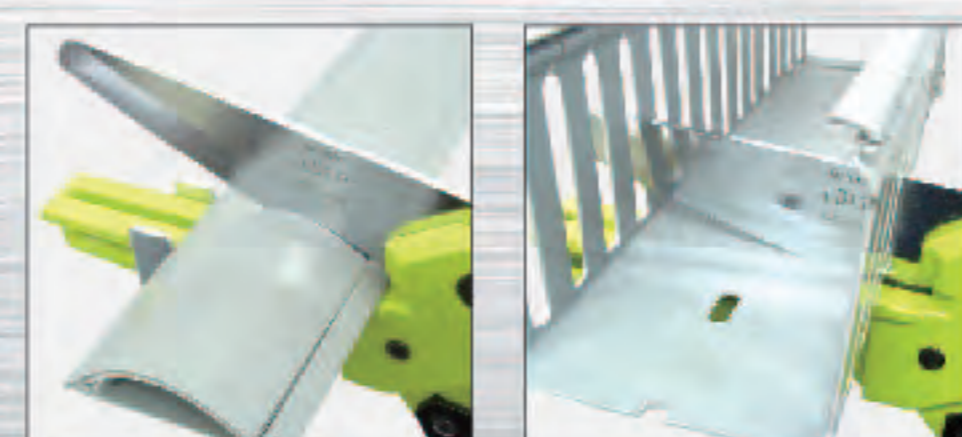


Cutting cable protector An attachment is available for right and 45° angle cutting.(standard accessory)
Cutting plastic duct of up to 80mm in width

Model	Overall length (mm)	Weight (g)	Blade length (mm)	Blade
DX80	255	470	92	X80

LDC110

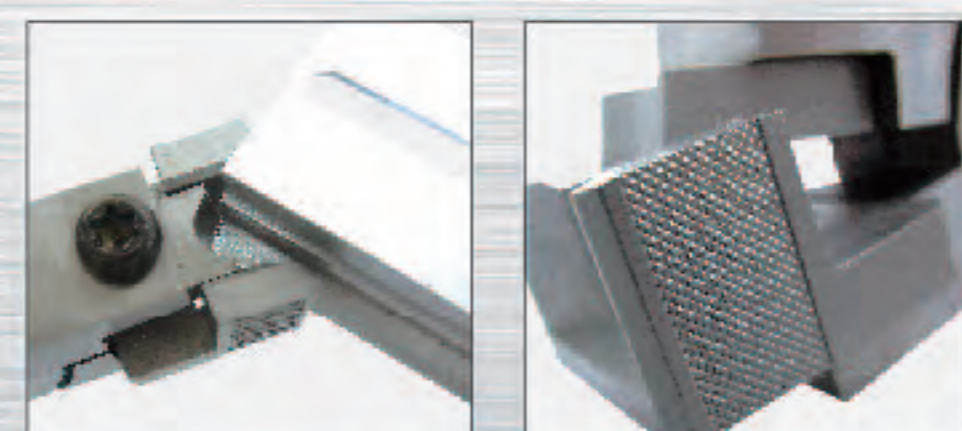
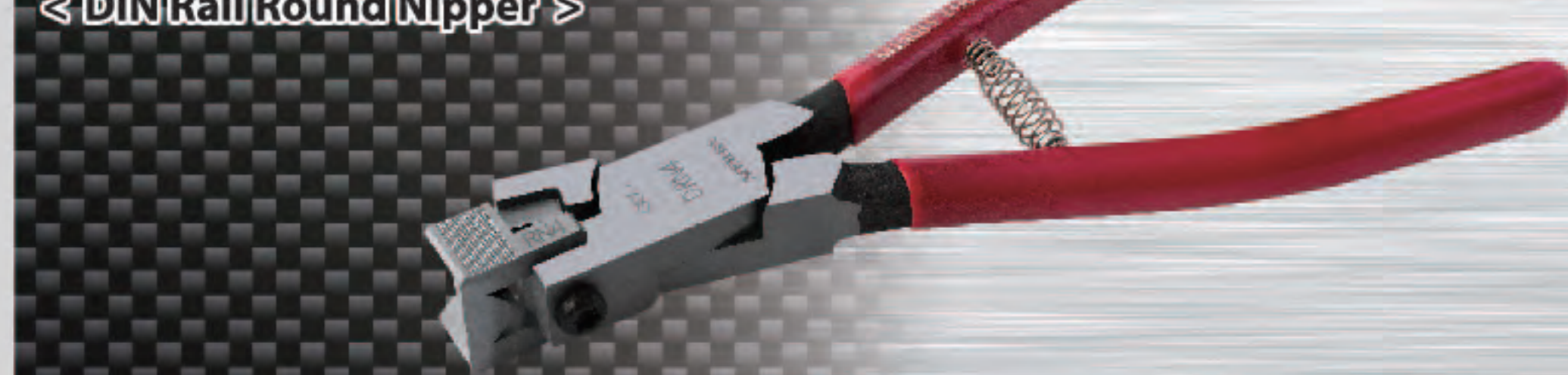
< Long duct cutter >



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

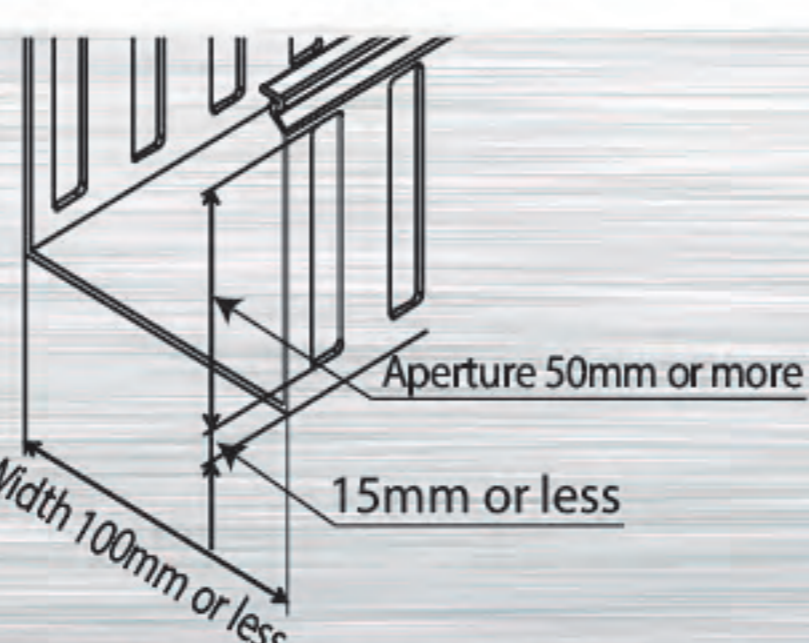
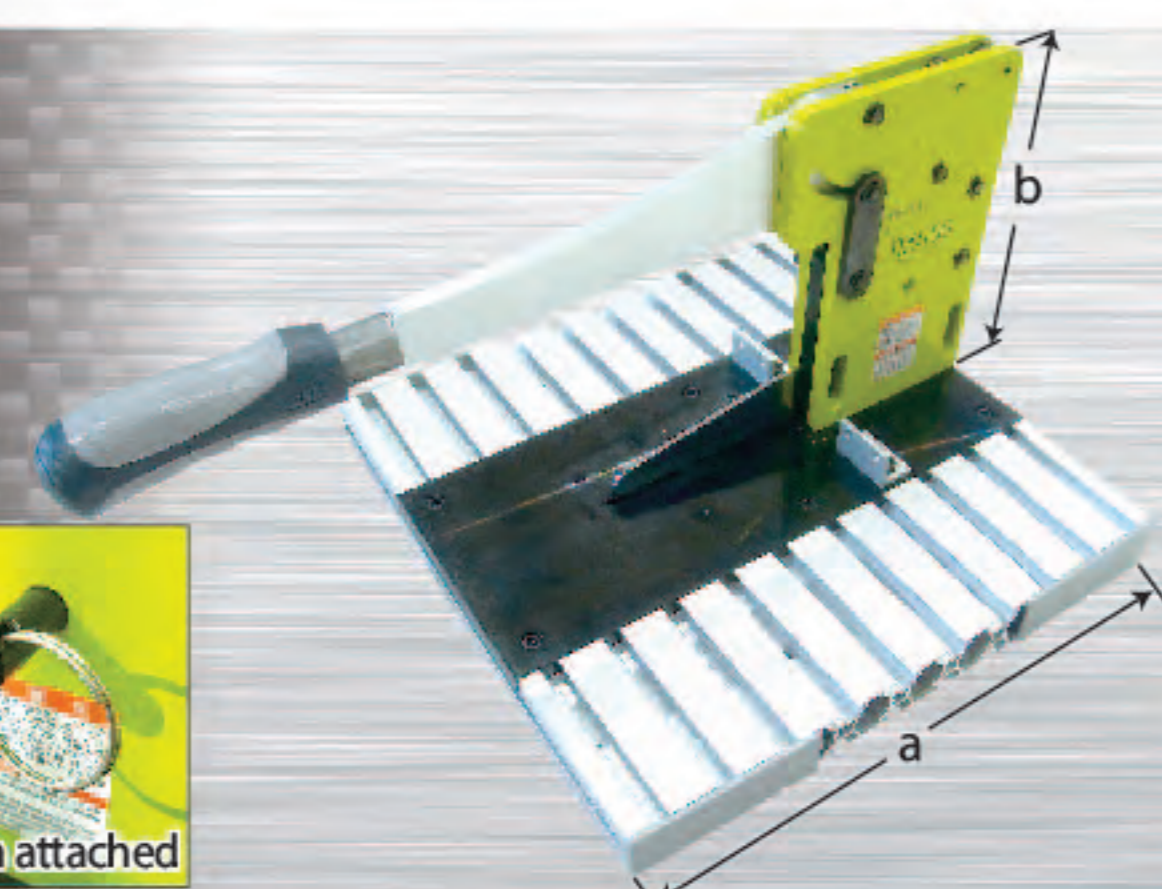
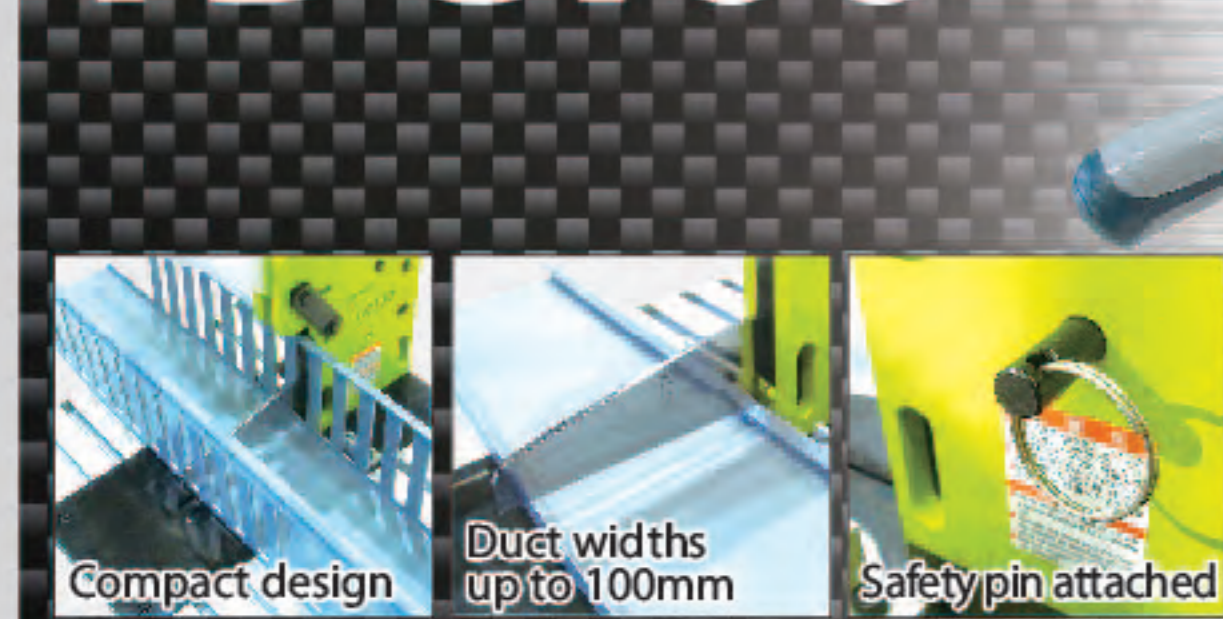
DRN4

< DIN Rail Round Nipper >



Model	Overall length (mm)	Weight (g)	Blade
DRN4	200	350	RN4

TDC100



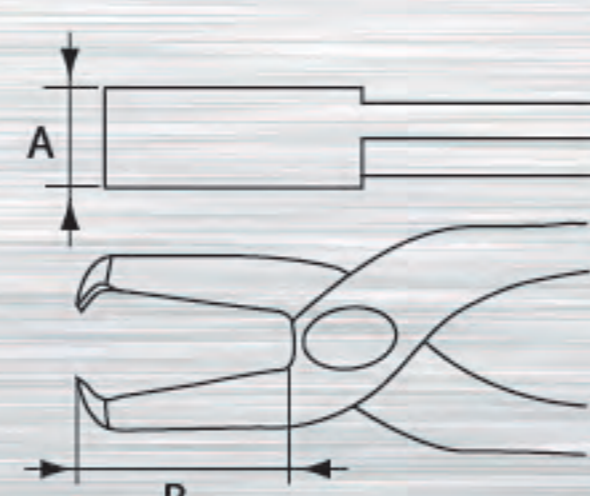
Model	Overall length (mm)		Weight (kg)	Blade length (mm)	Blade
	a	b			
TDC100	300	200	8.4	110	TD100

DK55 DK65

< End cutting type >

Spring Loaded

Round type



Model	Size (mm)	Dimensions (mm)		Weight (g)	Cutting capacity (φmm) Plastics
		A	B		
DK55	250	21.5	55.0	530	8.0
DK65	250	21.5	65.0	505	8.0



MERRY

STRIPPERS



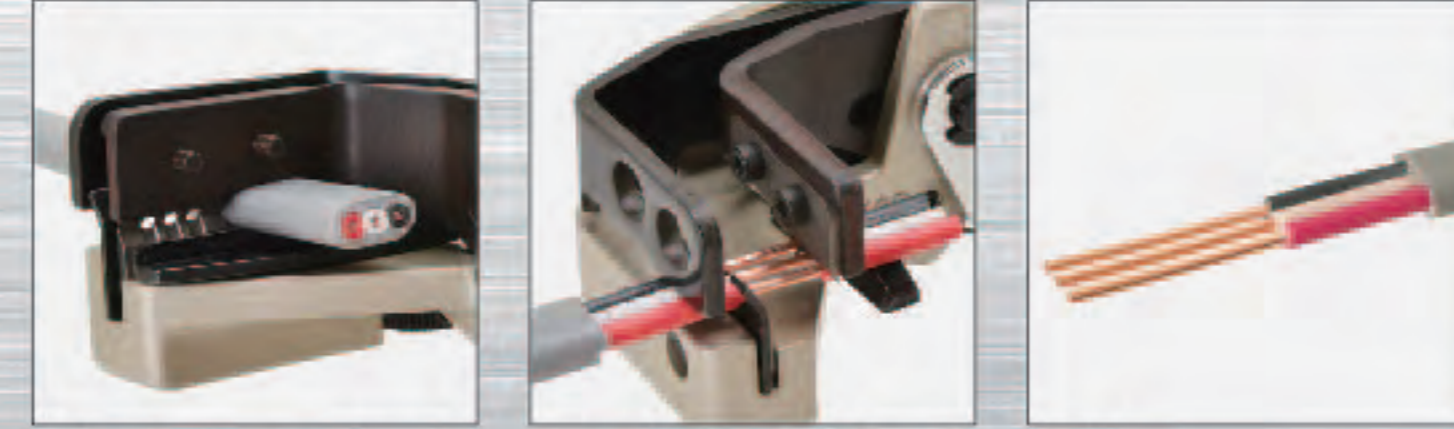
STRIPPERS

VST80

< for VVF wire >



Applicable to 4 different sizes of VVF wires
($\phi 1.6 \times 2$, $\phi 1.6 \times 3$, $\phi 2.0 \times 2$, $\phi 2.0 \times 3$)



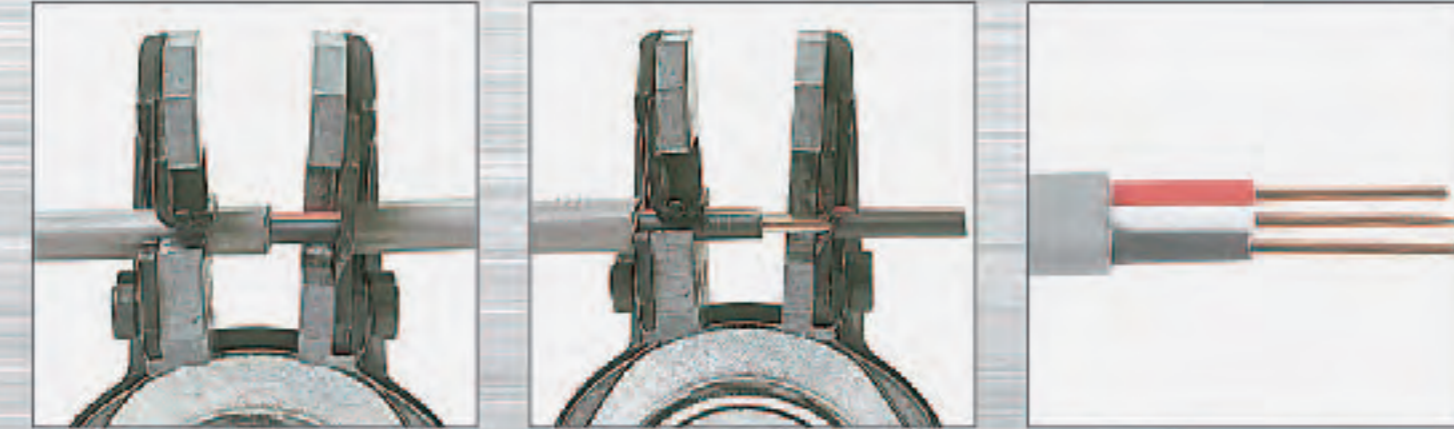
stripping outer sheath stripping inner sheath finish

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

Blade adjusting dial is installed for adjustment of blade opening.

VST50

< for VVF wire >



Model	Overall length (mm)	Weight (g)	Cutting capacity (ϕ mm) (VVF)(Outer coat)	Blade
VST50	185	500	1.6 2core wire/2.0 2core wire 1.6 3core wire/2.0 3core wire	VS51

VST25

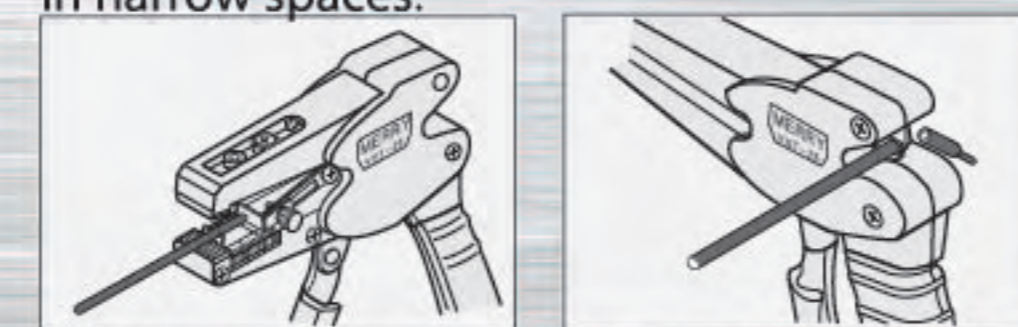
< Mini wire stripper >

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 ($\phi 0.25$ -2.6mm).
(Stripping length can be adjusted.)

Slim and long head permits operation in narrow spaces.

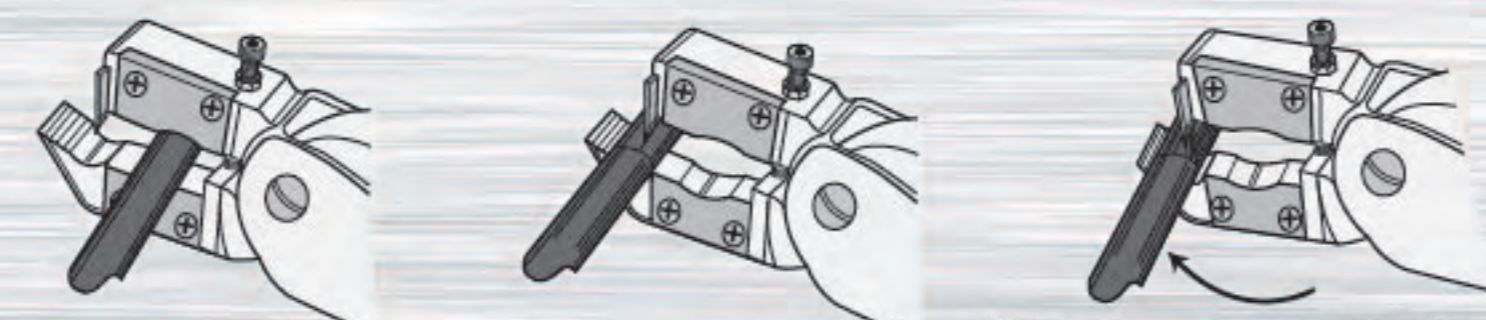


The V-shaped stripping blade allows easy clutching of the wire. Wire cutting function is additionally provided.

Model	Overall length (mm)	Weight (g)	Stripping capacity (mm ²)	Blade	Cutting capacity (ϕ mm)	Blade
VST25	120	295	0.05~3.5 (AWG30~10)	VS20	2.6	VC25

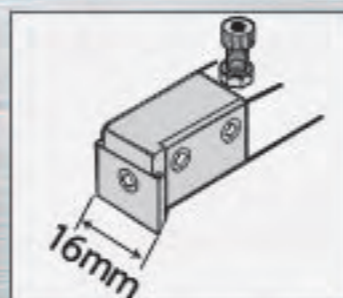
LW25

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



- 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.

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

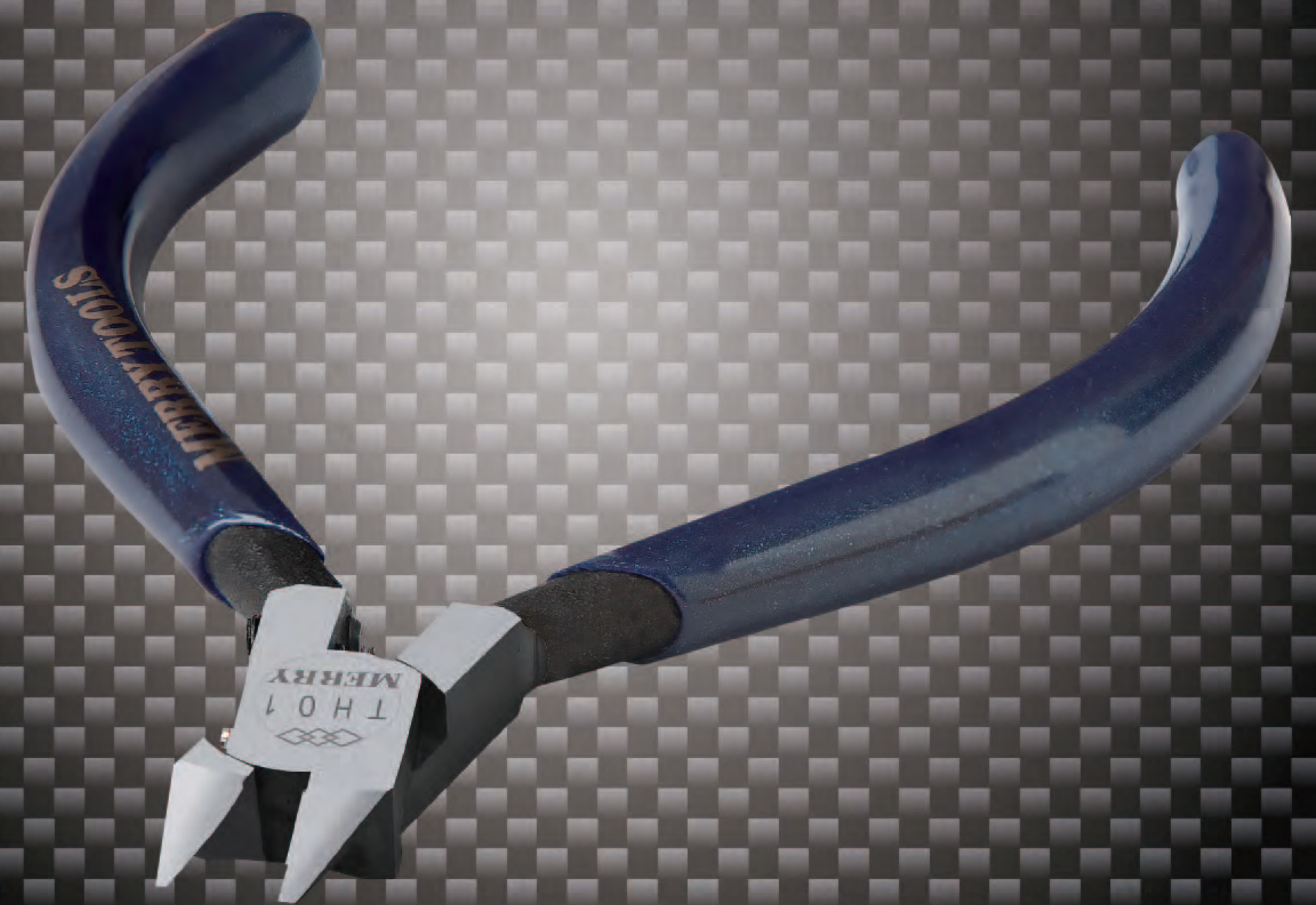


Model	Overall length (mm)	Weight (g)	Stripping capacity	Blade Cross wise	Blade Length wise
LW25	195	245	Maximum $\phi 25$ mm of cable protector Minimum $\phi 8$ mm of core cable	LW25-1	LW25-2



MERRY

ARTISAN PLASTIC NIPPERS

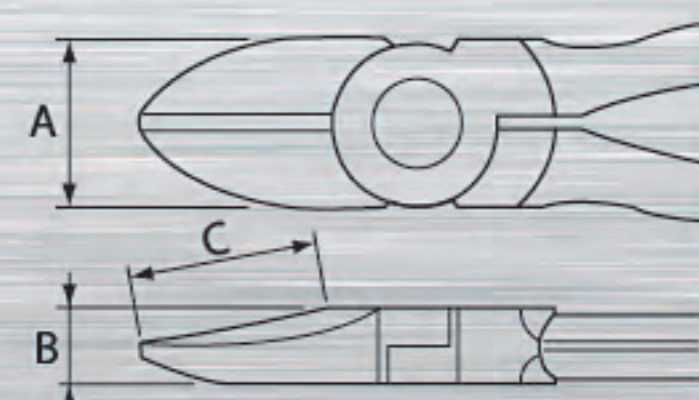


ARTISAN PLASTIC NIPPERS

Section of blade **Round type** **Flat type** **Angle type**

TH01

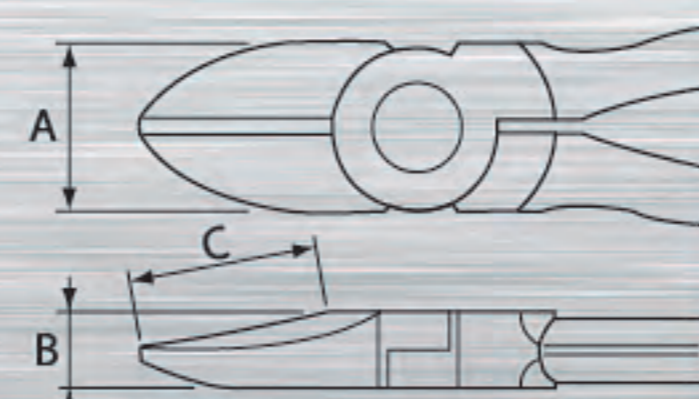
PRO EDGE NIPPER
 <Dedicated to plastic modeling>
 <Ultra-Thin Flat Single-Edge>
Spring Loaded



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
TH01	100	9.0	5.7	7.0	40	2.0

TH02

SLASH NIPPER
 <Dedicated to plastic modeling>
 <Ultra-Thin Double-Edge>
Spring Loaded



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
TH02	100	10.8	7.0	10.0	40	2.0

TH03

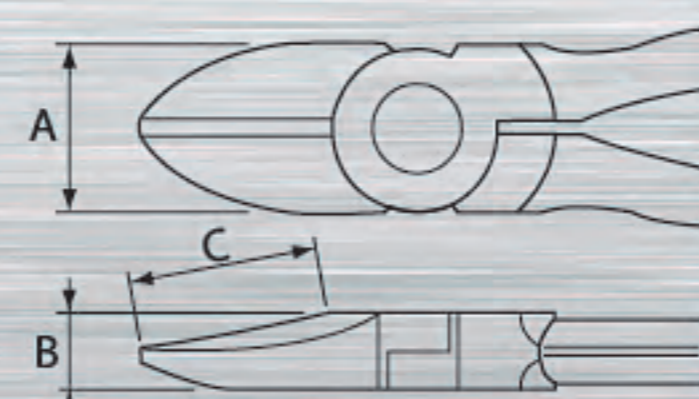
Etching plier
 <Dedicated to plastic modeling>
 Ideal for bending and mounting parts



Model	Size (mm)	Weight (g)
TH03	120	70

TH04

Beaked edge nipper
Spring Loaded
Round type



Model	Size (mm)	Dimensions (mm)			Weight (g)	Cutting capacity (φmm) Plastics
		A	B	C		
TH04	125	12.0	7.5	7.0	50	2.0



MERRY

ADDITIONAL HAND TOOLS



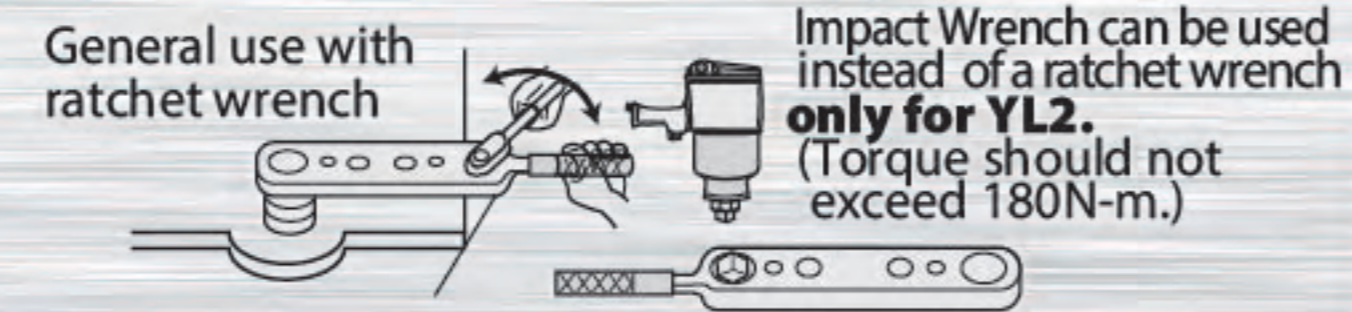
ADDITIONAL HAND TOOLS

BARRIER WRENCHES

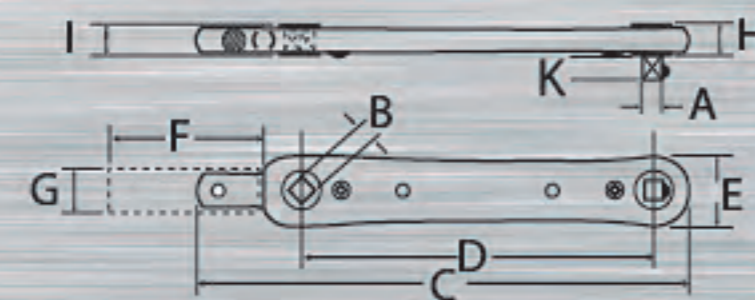
The unique "MERRY" Barrier Wrenches have solved the problem of difficult bolt/nut fastening and loosening jobs in narrow and hard-to-reach places.

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)
YL2	□12.7×□12.7	1,665	196
YL2A	□12.7×□12.7	1,410	196



Model	Dimensions(mm)							
	C	D	E	F	G	H	I	K
YL2	323	228	49	210	φ26	20	25	14
YL2A	323	228	49	210	φ26	20	25	14

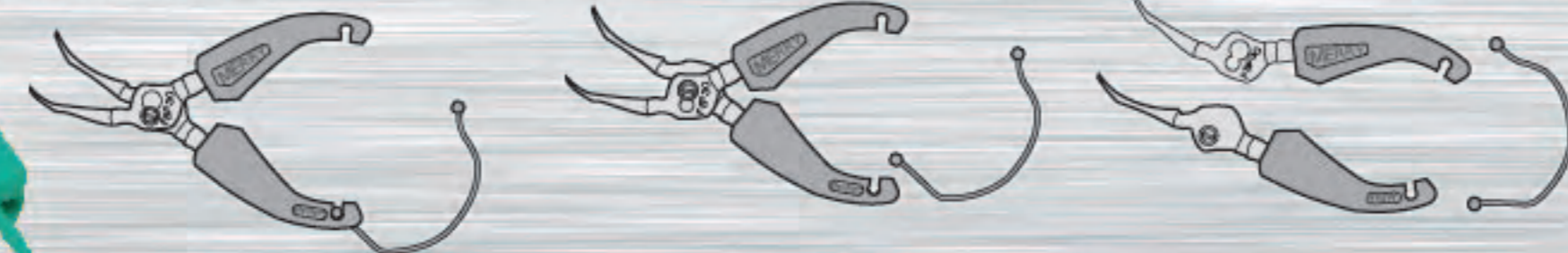
FBP30

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	65

HN21

Needle-nose palm pliers



Model	Size (mm)	Weight (g)
HN21	105	40

HN22

Precision palm pliers



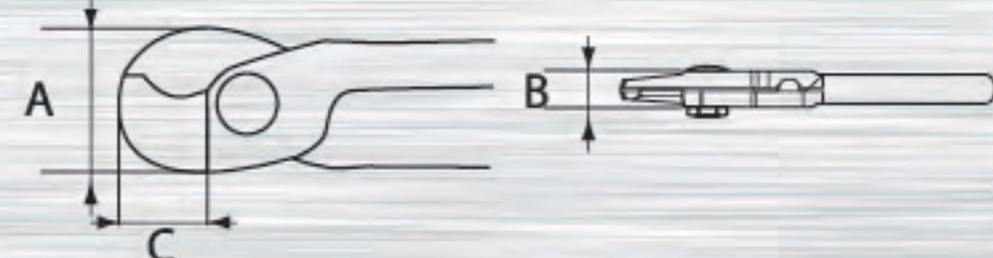
〈Stainless steel〉 Needle-nose pliers with a curved palm grip

Perfect for removing bones in fish processing factories.

Model	Size (mm)	Weight (g)
HN22	105	40

CK20

〈Cable cutters〉



Model	Size (mm)	Dimensions(mm)			Weight (g)	Cutting capacity (φmm) IV wire
		A	B	C		
CK20	215	40.0	14.0	24.0	340	60

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	10S-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



MODEL NUMBER INDEX

MODEL NUMBER INDEX

N	No.100L	47 • 48	S500	15 • 20	T	TD100	106	Y	Y120	8	
	No.100LL	47 • 48	S5A	5		TDC100	106		Y2	8	
	No.100R	47 • 48	S5AS	5		TH01	110		Y20	8	
	No.100S	47 • 48	S5R	11		TH02	110		Y250	8	
	No.100SK	47 • 48	S5S	5		TH03	110		Y4	8	
	No.200L	47 • 48	S700	15 • 20 • 21		TH04	110		Y6	8	
	No.200LL	47 • 48	S7P	5		TRF100D	42 • 89		Y600	15 • 20	
	No.200R	47 • 48	S7P1	5		TRF25	42 • 89		Y6A	8	
	No.200S	47 • 48	S7P1S	5		TU01	40		Y6J	8	
	No.200SK	47 • 48	S7PR	11					Y75-185	77	
	No.30S	48	S7PS	5			Y75-225	77			
			S900	15 • 20 • 21	U	UH10	61	Y800	15 • 20 • 21		
	P	P120	6	S9P		5	UH2	61	Y8P	8	
		P18Z	101	S9P1		5	UH3	61	Y8P1	8	
P42		101	S9PS	5		UH5	61	YL2	112		
P42		101	SAF30	15		UH7	61	YL2A	112		
P56		74	SAF30P	15							
P6		6	SD2	5		V	VB80	108	Z	Z120	6
P600		15 • 20	SD20	5			VC25	108		Z120S	6
P63		101	SD250	5	VOHR10		54	Z2		6	
P6A		6	SD4	5	VOHR5		54	Z20		6	
P6RAN		16	SD5	5	VS20		108	Z20S		6	
P800		15 • 20 • 21	SD5A	5	V551		108	Z25		6	
P8P		6	SD5J	5	VST25		108	Z4		6	
P8P1		6	SD9P	5	VST50		108	Z4S		6	
P8P1S		6	SD9P1	5	VST80		108	Z6		6	
P8PS	6	SE30	62				Z600	15 • 20			
PB-SX10-5P	104	SE40	62	W	W-19		42 • 89	Z6A		6	
PB-SX15-5P	105	SE50	62		W-19W	43	Z6AS	6			
PB-SX20-5P	105	SE60	62		W-29	89	Z6JS	6			
PB-SX25-5P	105	SE70	62		W1014	51	Z6S	6			
PB-SX5-5P	104	SE80	62		WA1000	72	Z800	15 • 20 • 21			
PB-SX7-5P	104	SH8P	9		WA1000F	72	Z8P	6			
PB-X50	10	SN1	31		WA1000Z	72	Z8P1	6			
PG20	84	SN10	31		WK10	54	Z8PS	6			
PIP19	101	SN2	31		WK30N	54	ZA185	68			
PIP42	101	SN20	31		WS10	25	ZA7050	68			
PIP63	101	SN3	31		WS20	25	ZCR120	7			
PSH05	49	SN5	31	WS20S	25	ZCR2	7				
PSH10	49	SNP1	31	WS3	25	ZCR20	7				
		SNP10	31	WS30S	25	ZCR4	7				
		SNP2	31	WS5	25	ZCR6	7				
R	R0536	51	SNP20	31	X	X10	104	ZCR6A	7		
	R1010	51	SNP3	31		X15	105	ZCR6J	7		
	R1032	51	SNP5	31		X20	105	ZCR6W	25		
	RC6	54	SR1036	51		X25	105	ZCR8P	7		
	RH100Z	45	SUH20N-MS20G	29		X5	104	ZCR8P1	7		
	RH200	45	SUH30N-MS30G	29		X50-5P	10	ZCR8PW	25		
	RH25	45	SVM10M	39		X7	104	ZEP10P	7		
	RH80	45	SVM20	39		X80	106	ZEP10P1	7		
	RH90	45	SVM20M	39		XN200	72	ZEP120	7		
	RN4	106	SVM30	39		XP200	67	ZEP2	7		
	RVS85	45	SVM30M	39				ZEP20	7		
	RW1.25-2.0	57	SVM5M	39			ZEP4	7			
	RW3.5-5.5	57	SW20S	25			ZEP6	7			
			SW2S	25			ZEP6A	7			
		SW4S	25			ZF5S	11				
S	S0	57	SW5S	25			ZF9PS	11			
	S120	5	SX10	104			ZFD9P	11			
	S120S	5	SX15	105			ZFN1	34			
	S2	5	SX20	105			ZFN10	34			
	S20	5	SX25	105			ZFN3	34			
	S20R	11	SX5	104			ZFN30	34			
	S20S	5	SX7	104			ZFN5	34			
	S250	5	SY7P	9			ZFNP1	34			
	S250S	5					ZFNP10	34			
	S2R	11					ZFNP3	34			
	S2S	5					ZFNP30	34			
	S4	5					ZFNPS	34			
	S4R	11					ZS7P	6			
	S4S	5					ZS7PS	6			
S5	5										