



**MUROMOTO**  
"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



# BLADES

Section of blade

Single blade



Standard



Full-flush round type



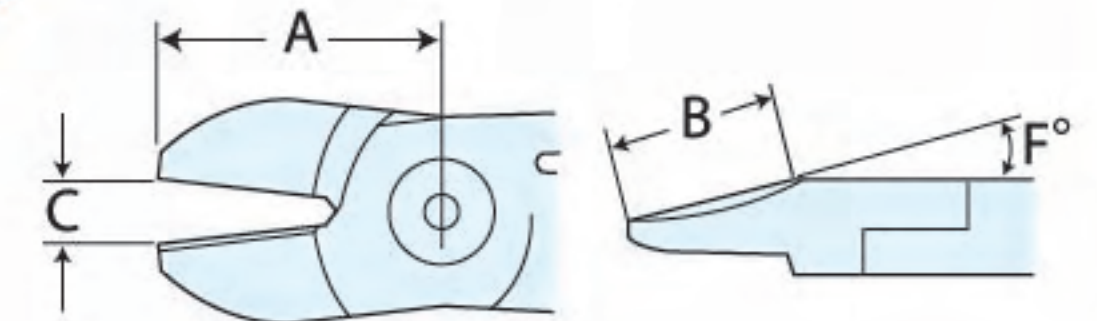
Full-flush flat type



## S Type

### Standard Blades

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

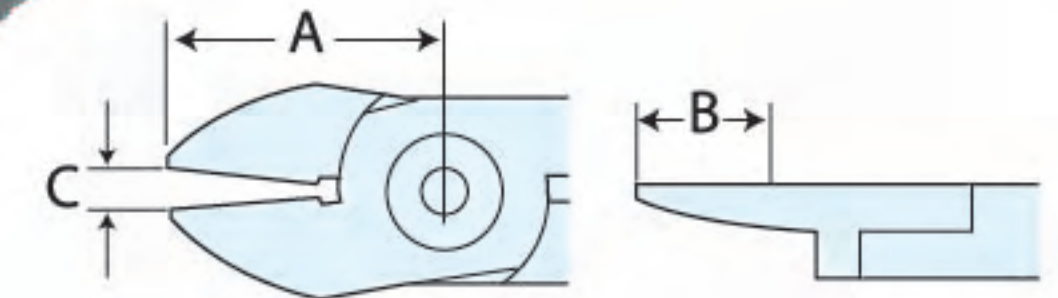
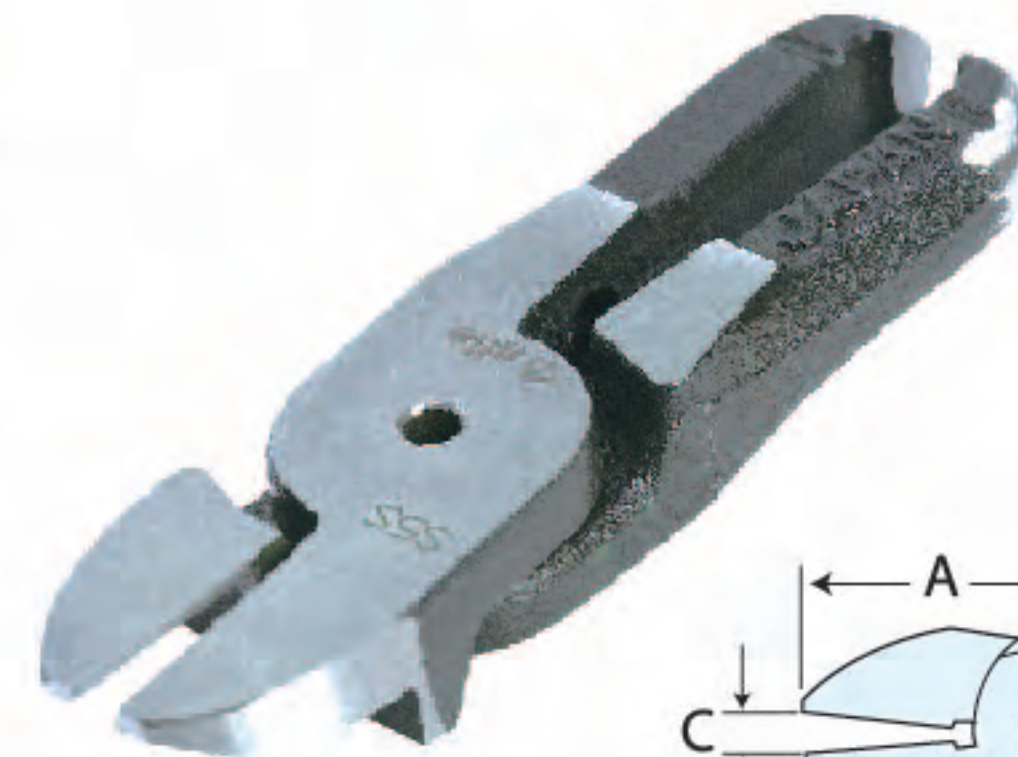


## S-S Type

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

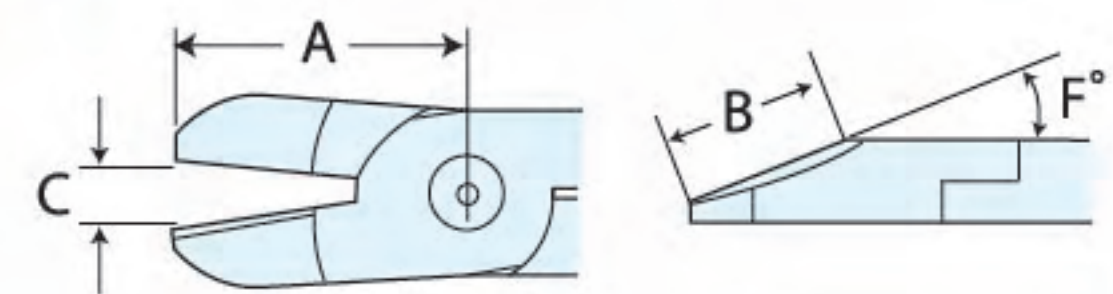


## SD Type

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

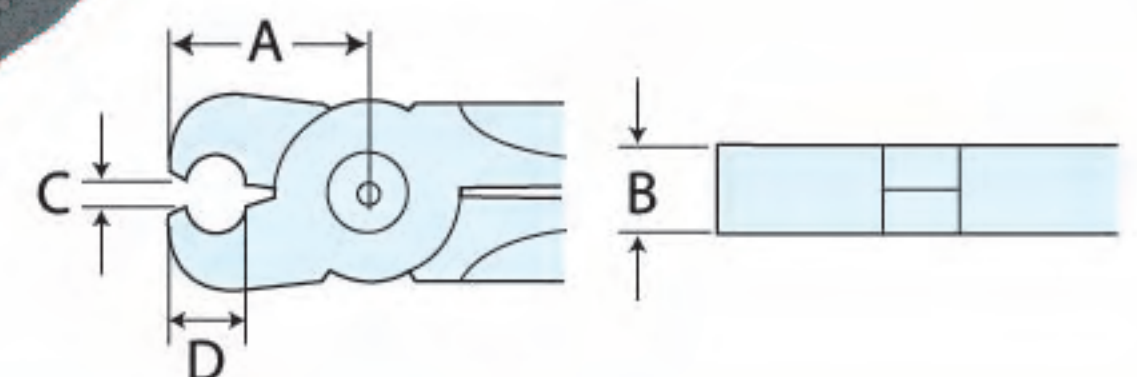
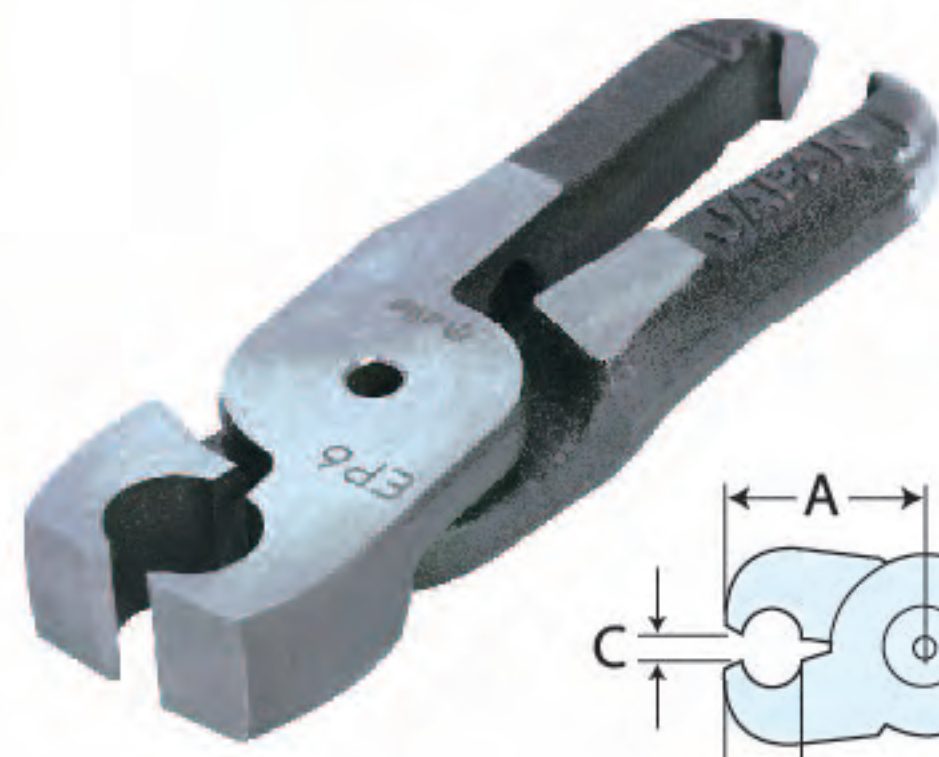


## EP Type

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



# BLADES

Section of blade

Single blade



Standard



Full-flush round type



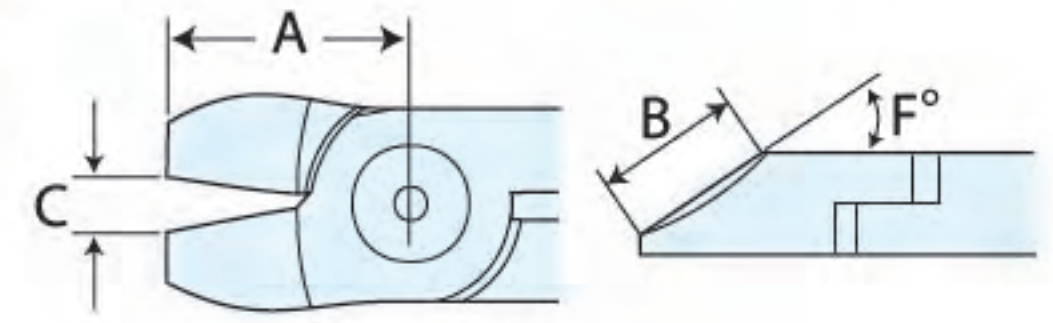
Full-flush flat type



## P Type

Heavy-duty

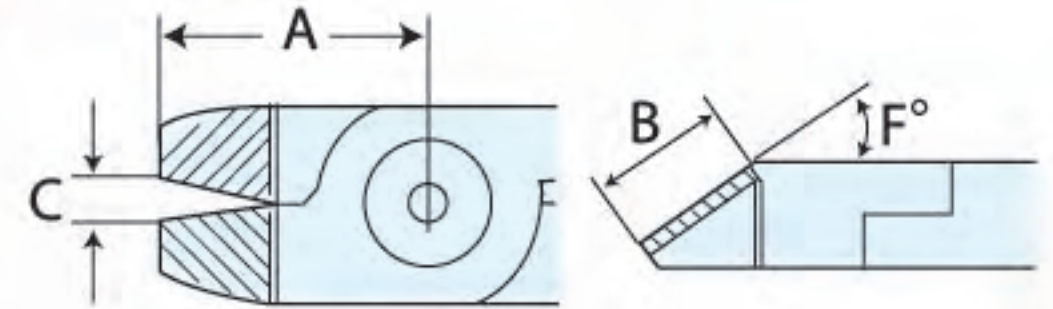
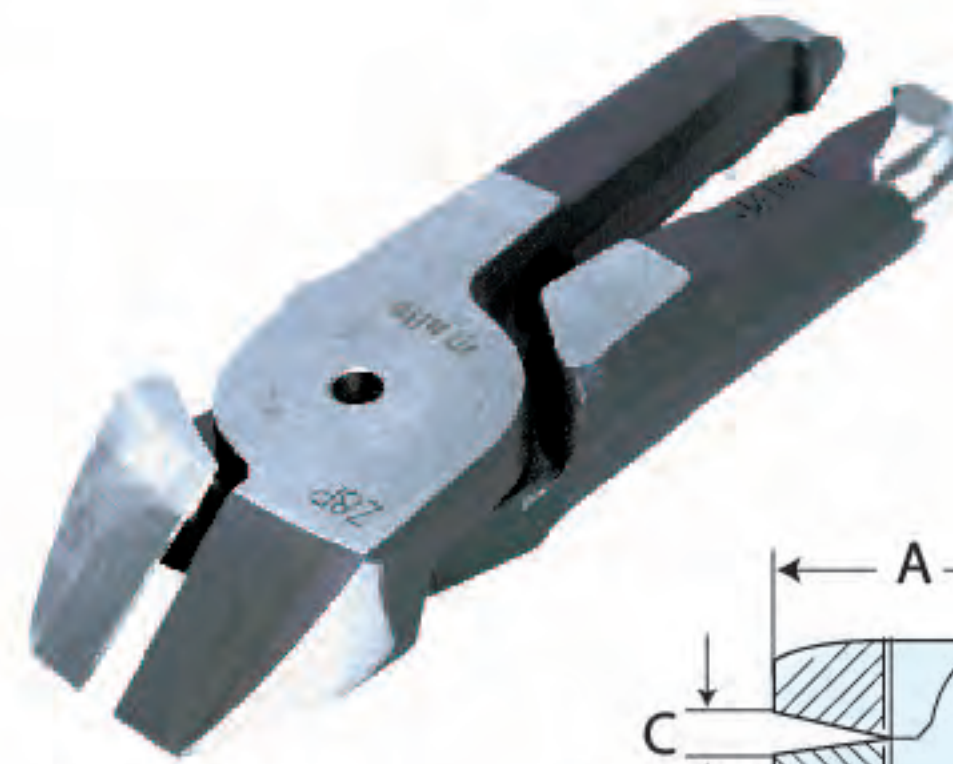
Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
P6A	29.0	12.0	4.5	35	Single blade
P6	29.0	11.0	6.0	35	Single blade
P8P1	37.0	12.0	5.0	25	Standard
P8P1S	37.0	15.0	5.0	-	Standard
P8P	37.0	12.0	6.0	25	Standard
P8PS	37.0	12.0	6.0	-	Standard
P120	40.0	16.0	8.0	35	Standard



## Z Type

Carbide tipped for hard wire

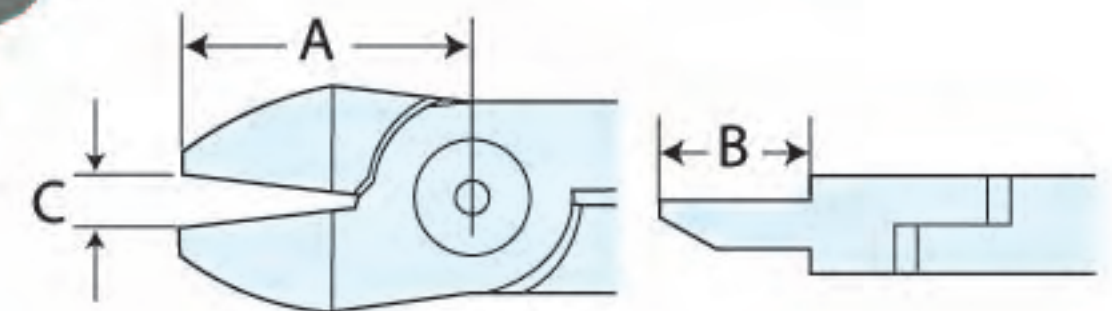
Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
Z20	24.0	11.0	2.5	25	Single blade
Z2	24.0	11.0	3.0	25	Single blade
Z4	27.0	10.0	5.0	25	Single blade
Z6A	30.0	15.0	5.0	35	Standard
Z6	30.0	15.0	6.0	35	Standard
Z8P1	38.0	20.0	5.0	40	Standard
ZS7P	43.0	20.0	7.0	30	Standard
Z8P	38.0	20.0	6.0	40	Standard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



## CR Type

Clipper edge

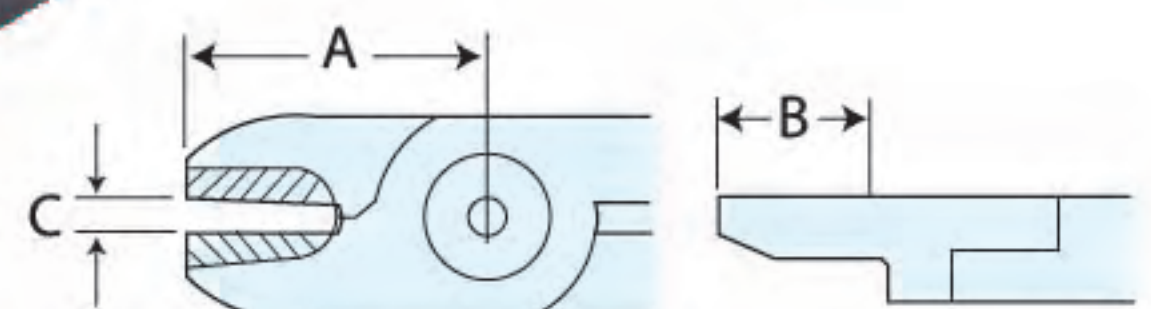
Model	Dimensions (mm)			Section of blade
	A	B	C	
CR20	24.0	13.0	2.5	Single blade
CR2	24.0	13.0	3.0	Single blade
CR4	27.0	12.5	4.5	Single blade
CR6A	35.0	18.0	5.0	Single blade
CR6	35.0	18.0	7.0	Single blade
CR250	43.0	22.0	11.0	Single blade
CR8P1	43.0	23.0	7.0	Single blade
CR8P	43.0	23.0	7.0	Single blade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



# BLADES

Section of blade

Single blade



Standard



Full-flush round type



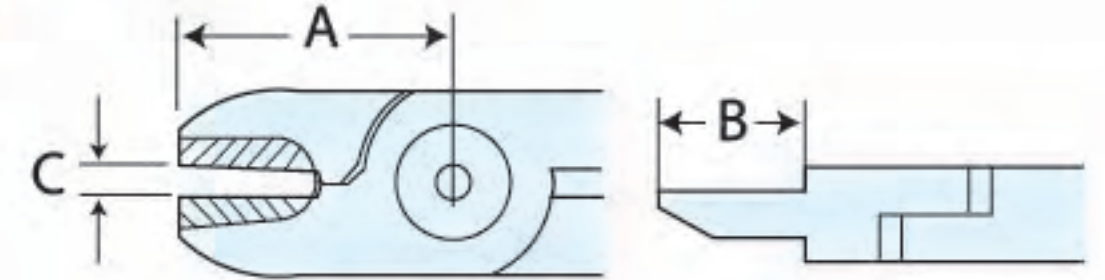
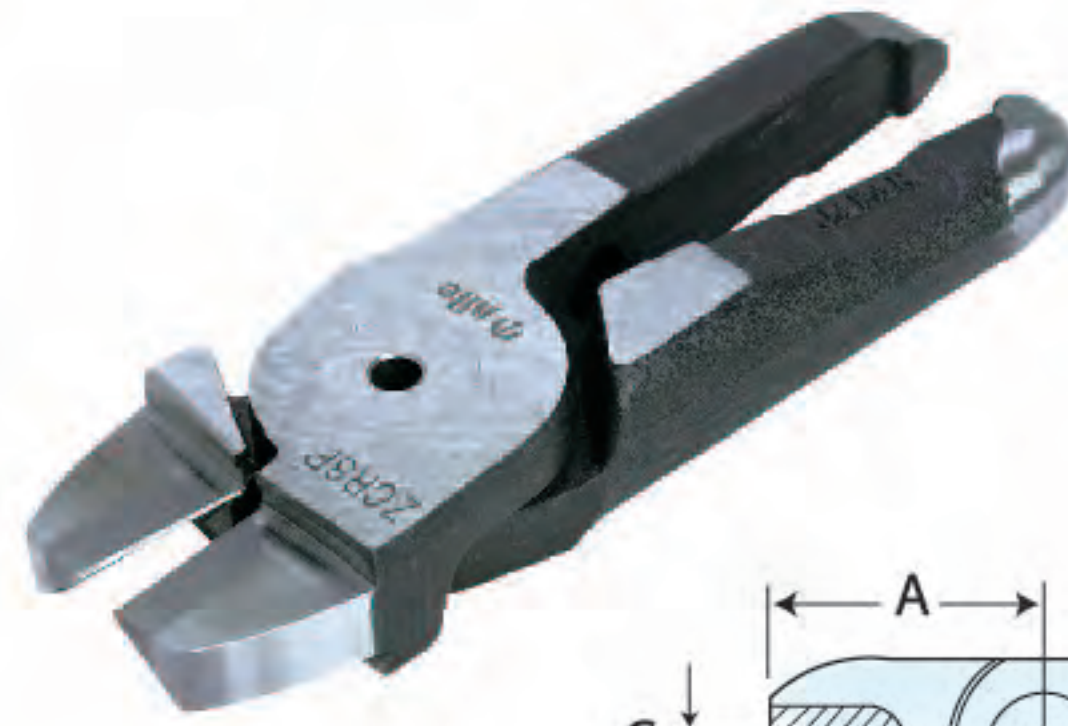
Full-flush flat type



## ZCR Type

Carbide tipped for hard wire

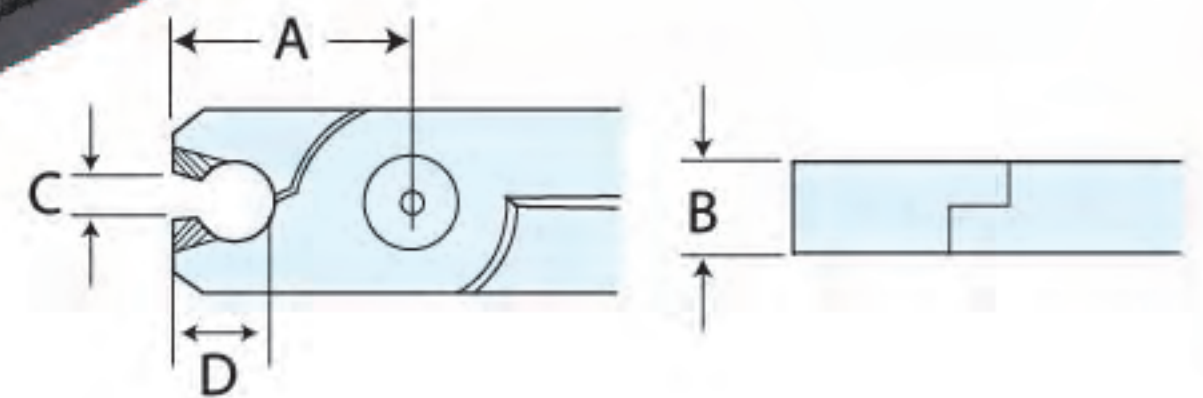
Model	Dimensions (mm)			Section of blade
	A	B	C	
ZCR20	24.0	10.0	2.5	Single blade
ZCR2	24.0	10.0	3.0	Single blade
ZCR4	27.0	10.0	5.0	Single blade
ZCR6A	35.0	16.0	7.0	Standard
ZCR6J	35.0	16.0	5.0	Standard
ZCR6	35.0	16.0	7.0	Standard
ZCR8P1	38.0	16.0	6.0	Standard
ZCR8P	38.0	16.0	7.0	Standard
ZCR120	40.0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



## ZEP Type

Carbide tipped for hard wire

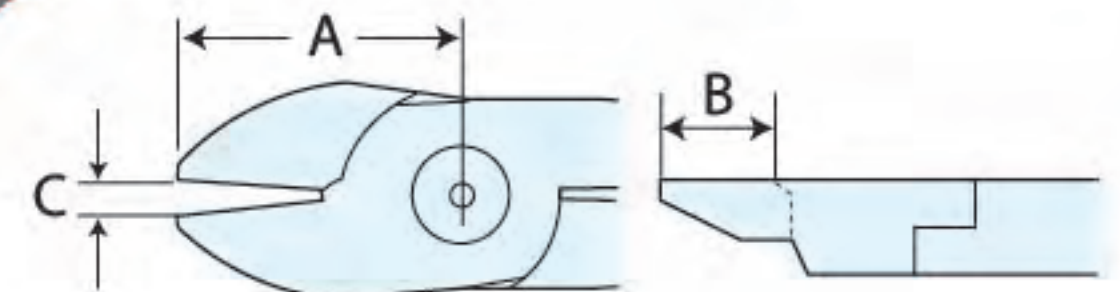
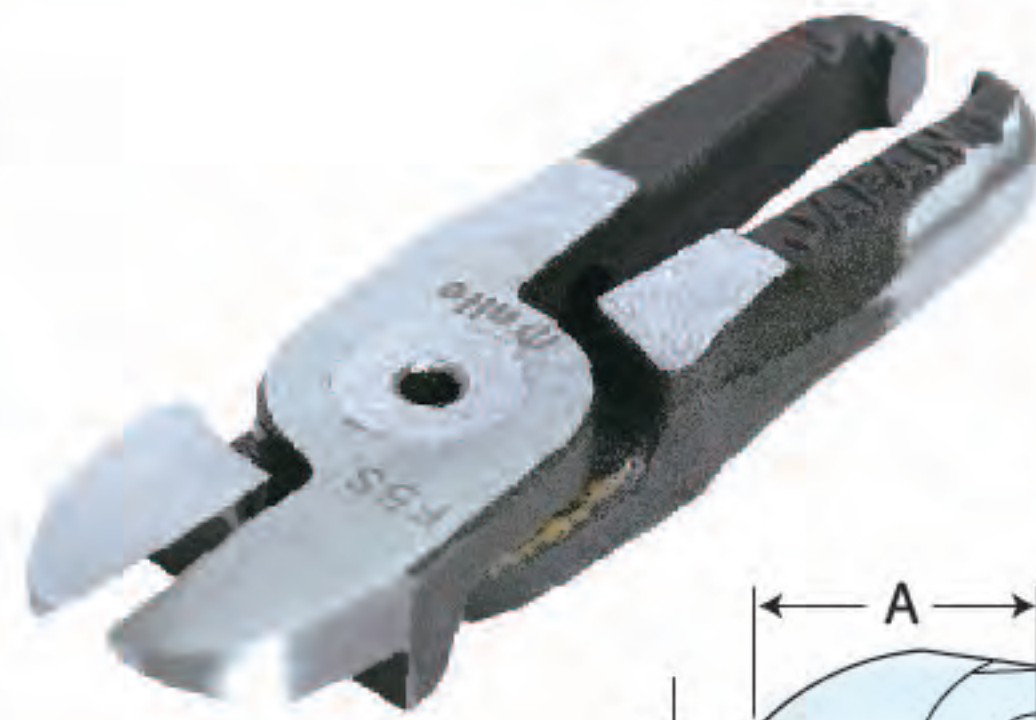
Model	Dimensions (mm)				Section of blade
	A	B	C	D	
ZEP20	20.0	7.0	2.0	7.5	Standard
ZEP2	20.0	7.0	2.5	7.5	Standard
ZEP4	26.0	9.0	4.5	7.5	Standard
ZEP6A	28.0	12.0	5.0	13.0	Standard
ZEP6	28.0	12.0	6.0	13.0	Standard
ZEP10P1	34.0	17.0	5.5	12.0	Standard
ZEP10P	34.0	17.0	5.5	12.0	Standard
ZEP120	40.0	25.0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



## F-S Type

Flat surface for plastic

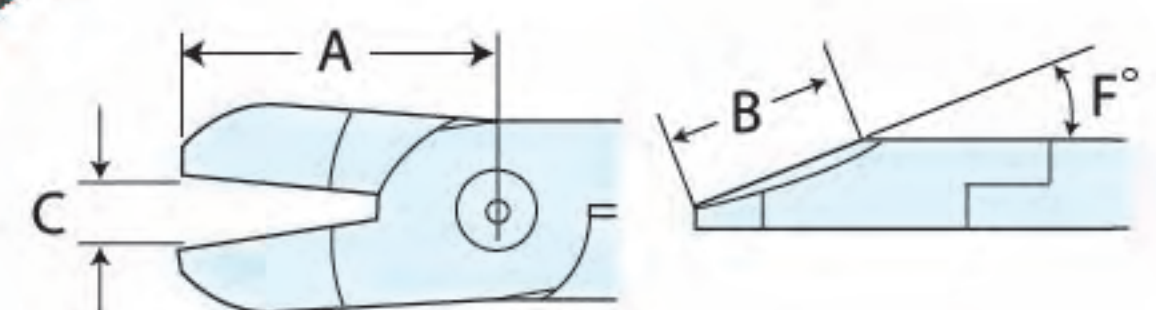
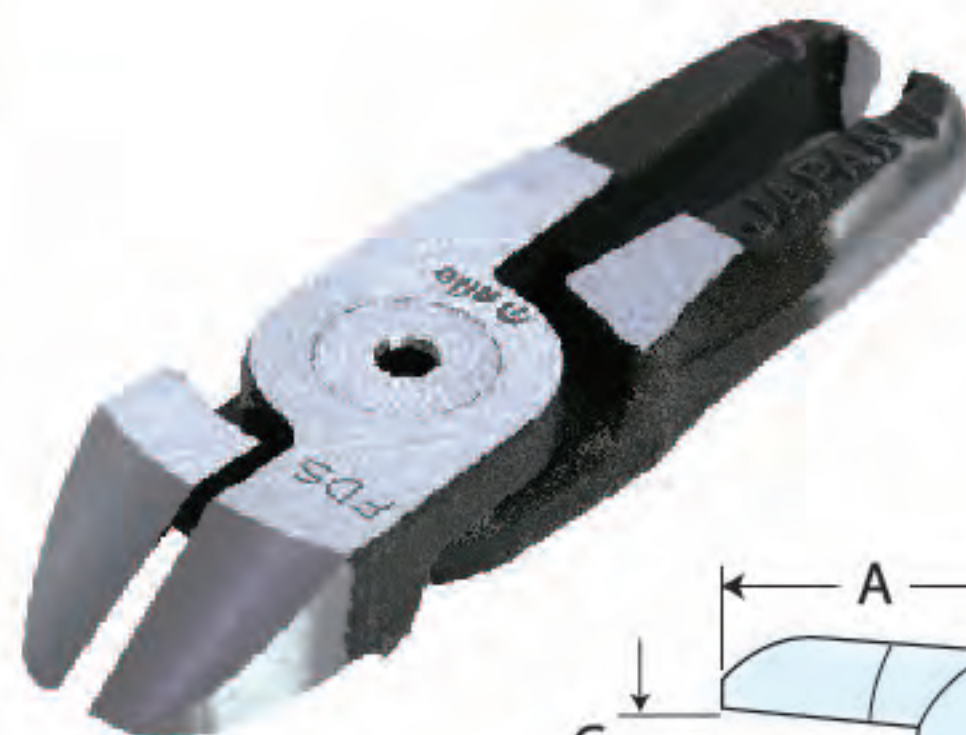
Model	Dimensions (mm)			Section of blade
	A	B	C	
F10S	24.0	12.0	2.5	Full-flush flat type
F1S	24.0	12.0	3.0	Full-flush flat type
F3S	27.0	12.0	5.0	Full-flush flat type
F3LS	50.0	30.0	8.0	Full-flush flat type
F5AS	35.0	16.0	5.5	Full-flush flat type
F5JS	35.0	17.0	5.0	Full-flush flat type
F5S	35.0	16.0	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

Section of blade

Single blade



Standard



Full-flush round type



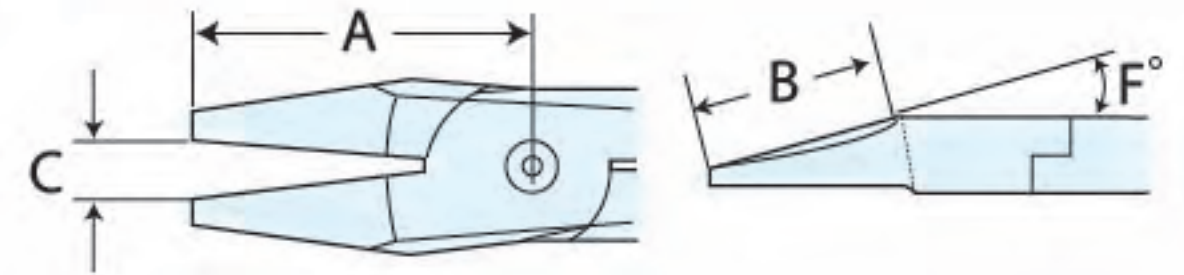
Full-flush flat type



## F Type

Plastic edge

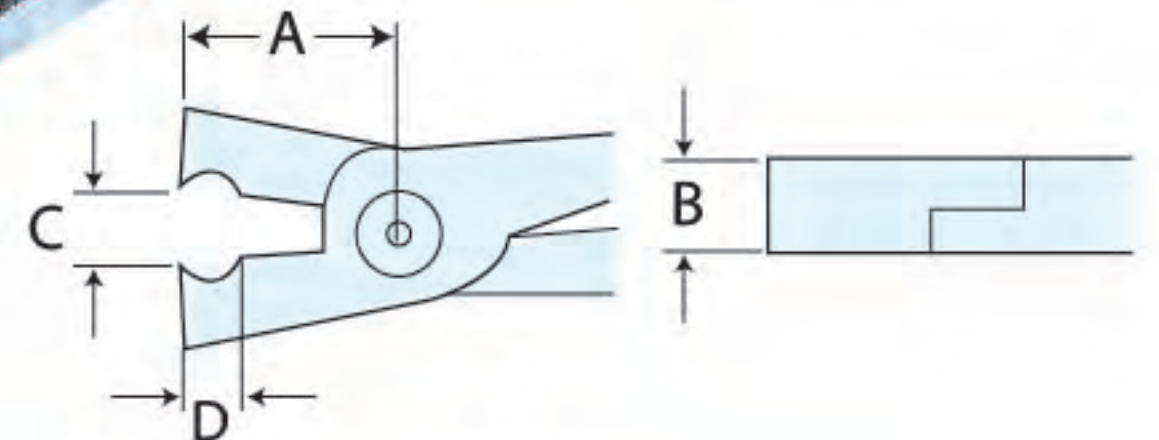
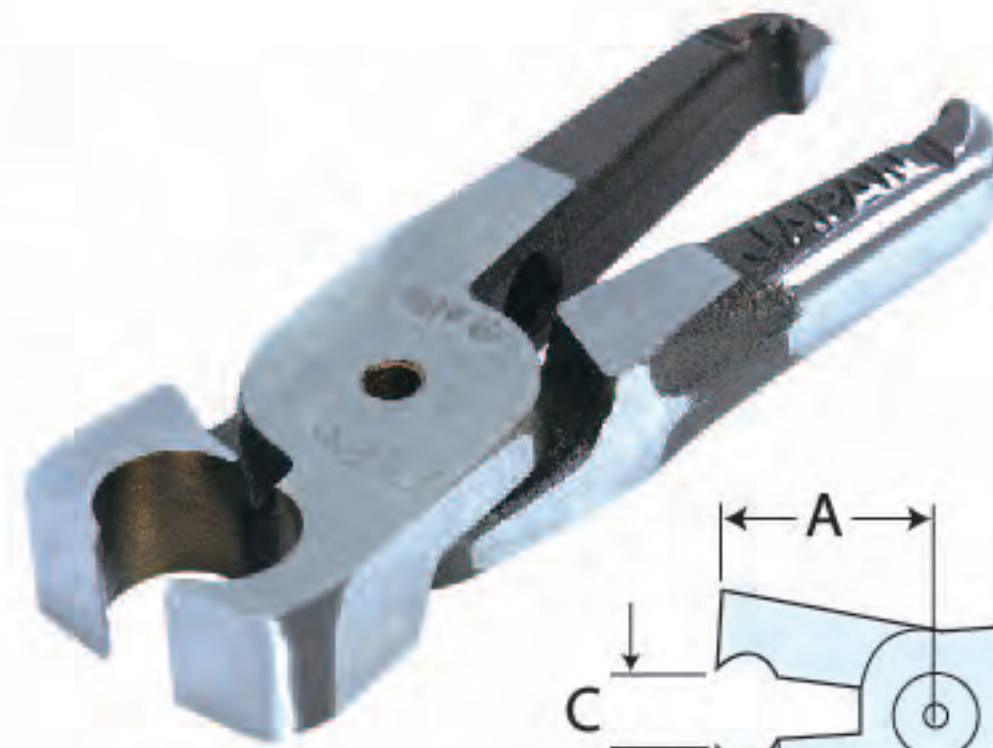
Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
F10	24.0	12.0	2.5	15	Full-flush round type
F1	24.0	12.0	3.0	15	Full-flush round type
F3	27.0	12.0	5.0	25	Full-flush round type
F5A	35.0	15.0	5.5	15	Full-flush round type
F5J	34.0	15.0	5.0	15	Full-flush round type
F5	35.0	15.0	8.5	15	Full-flush round 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

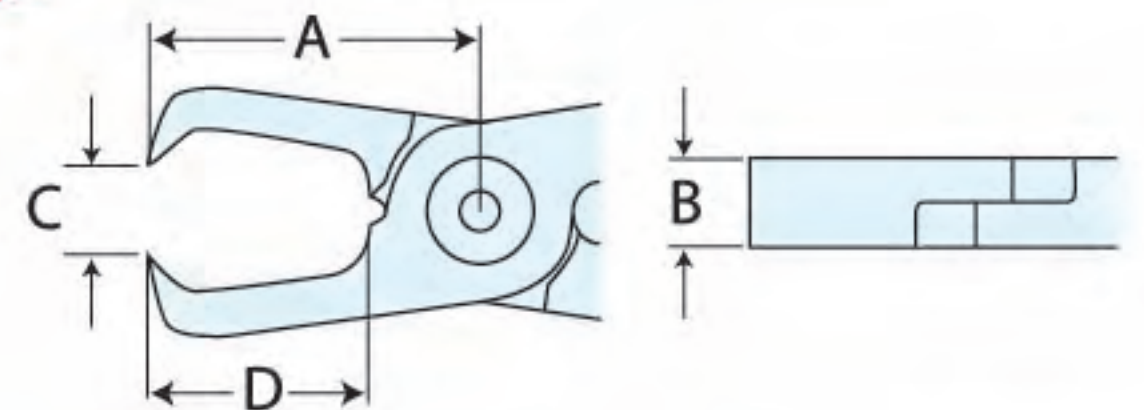
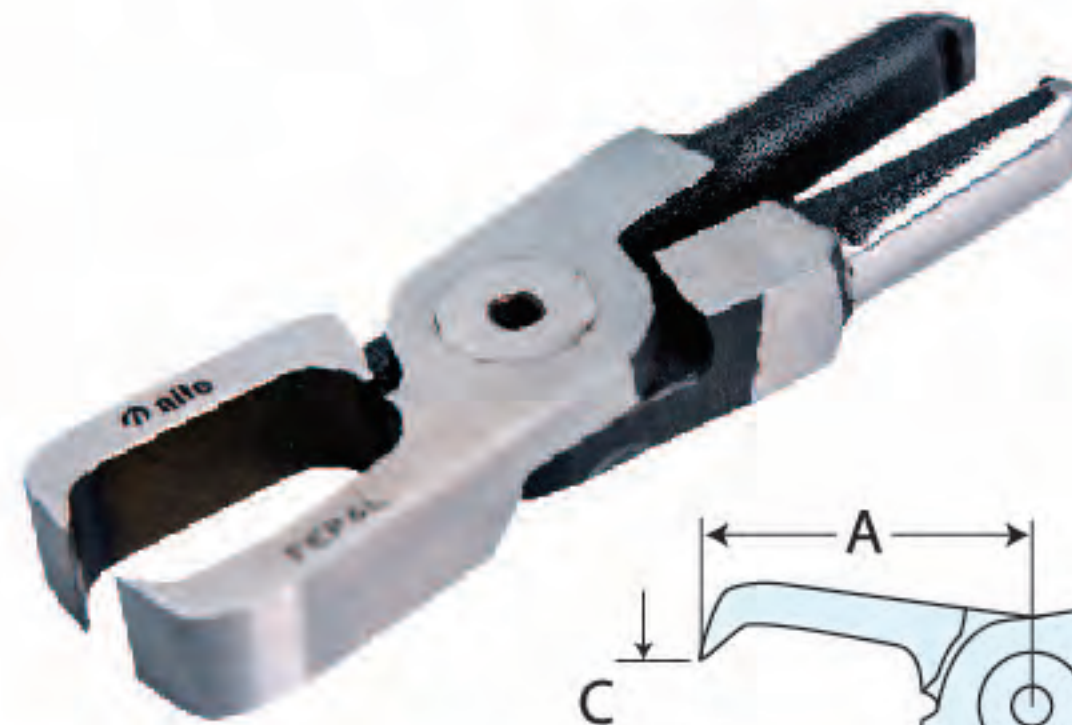
Model	Dimensions (mm)				Section of blade
	A	B	C	D	
FEP20	20.0	7.0	2.0	7.0	Full-flush round type
FEP2	20.0	7.0	2.5	7.0	Full-flush round type
FEP4	26.0	9.0	4.5	8.8	Full-flush round type
FEP6A	28.0	12.0	4.0	13.1	Full-flush round type
FEP6	28.0	12.0	8.5	13.5	Full-flush round type
FEP10P1	33.0	17.0	6.0	14.5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

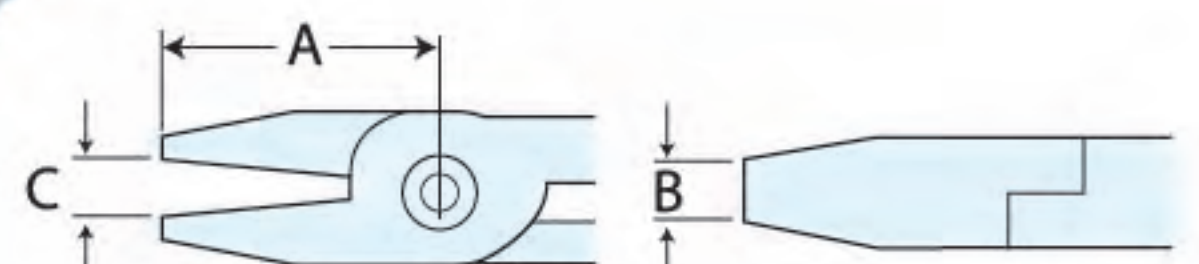
Model	Dimensions (mm)				Section of blade
	A	B	C	D	
FEP4L	30.0	9.0	6.0	19.0	Full-flush round type
FEP6L	45.0	12.0	12.0	30.0	Full-flush round type



## 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

Section of blade

Single blade



Standard



Full-flush round type



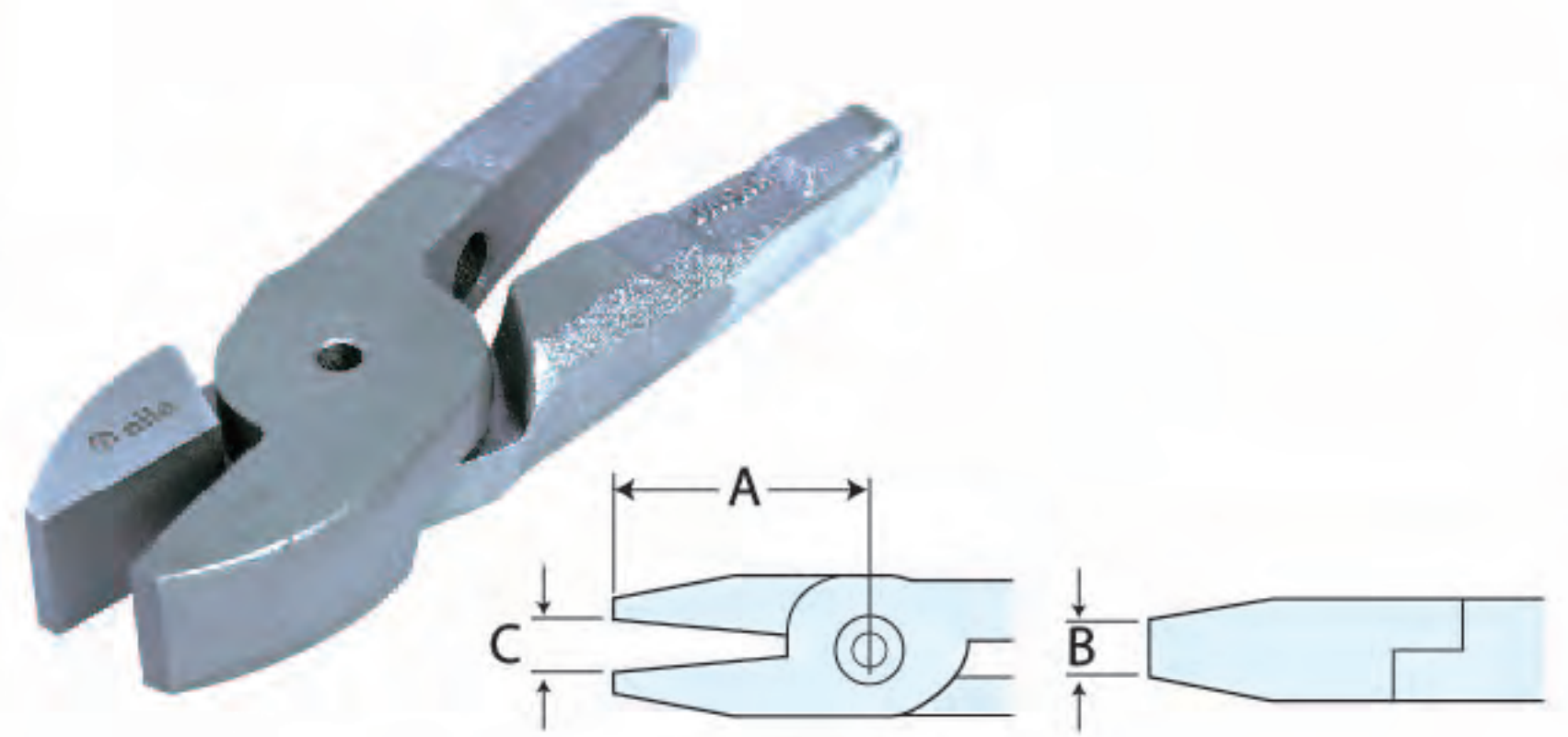
Full-flush flat type



## K Type

Pincers

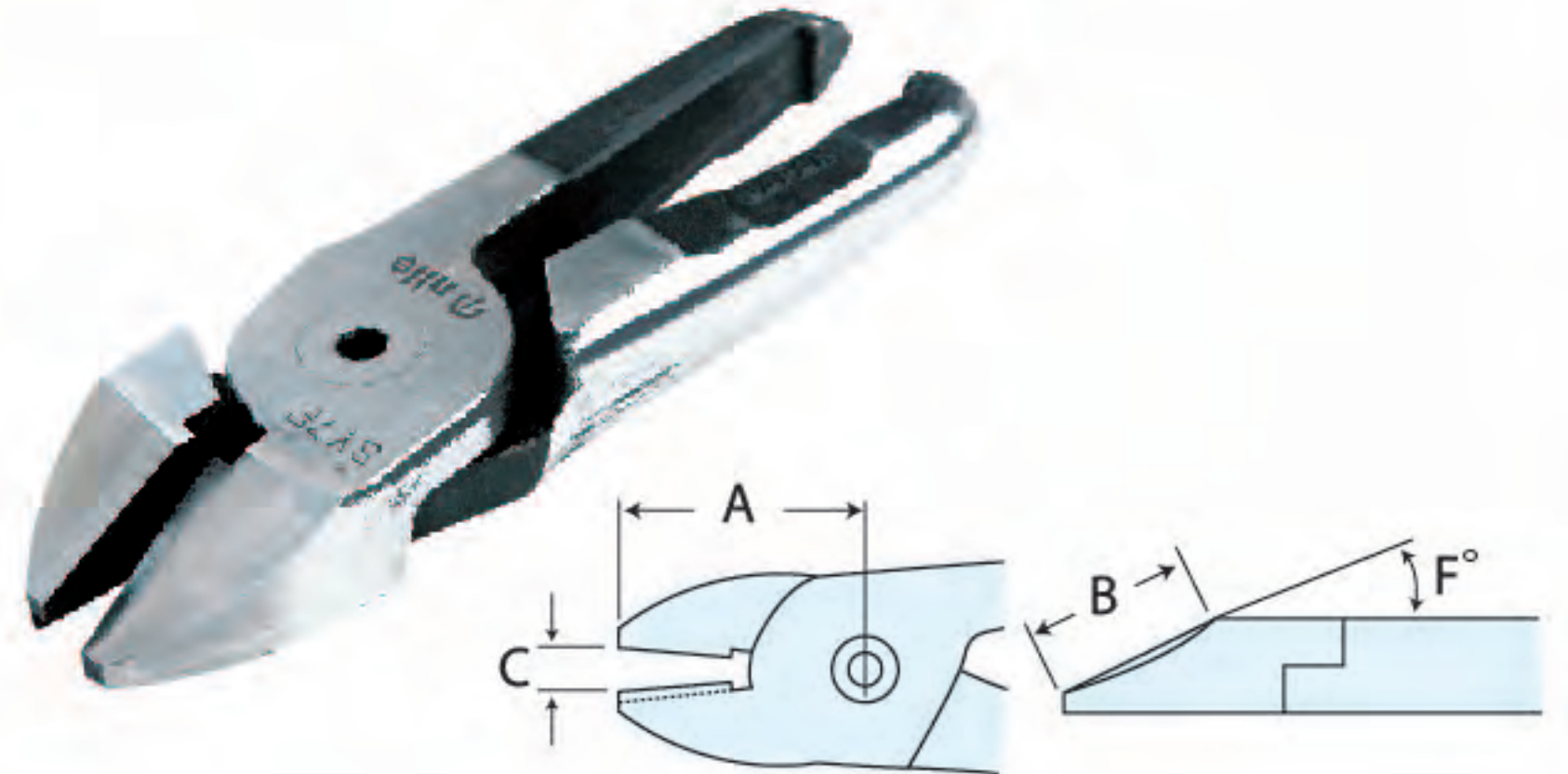
Model	Dimensions (mm)		
	A	B	C
K6A	35.0	12.0	5.5
K6J	35.0	12.0	5.0
K6	35.0	12.0	7.0
K8P1	43.0	17.0	7.0
K8P	43.0	17.0	10.0



## SY Type

Crossing blade  
Wire holding type

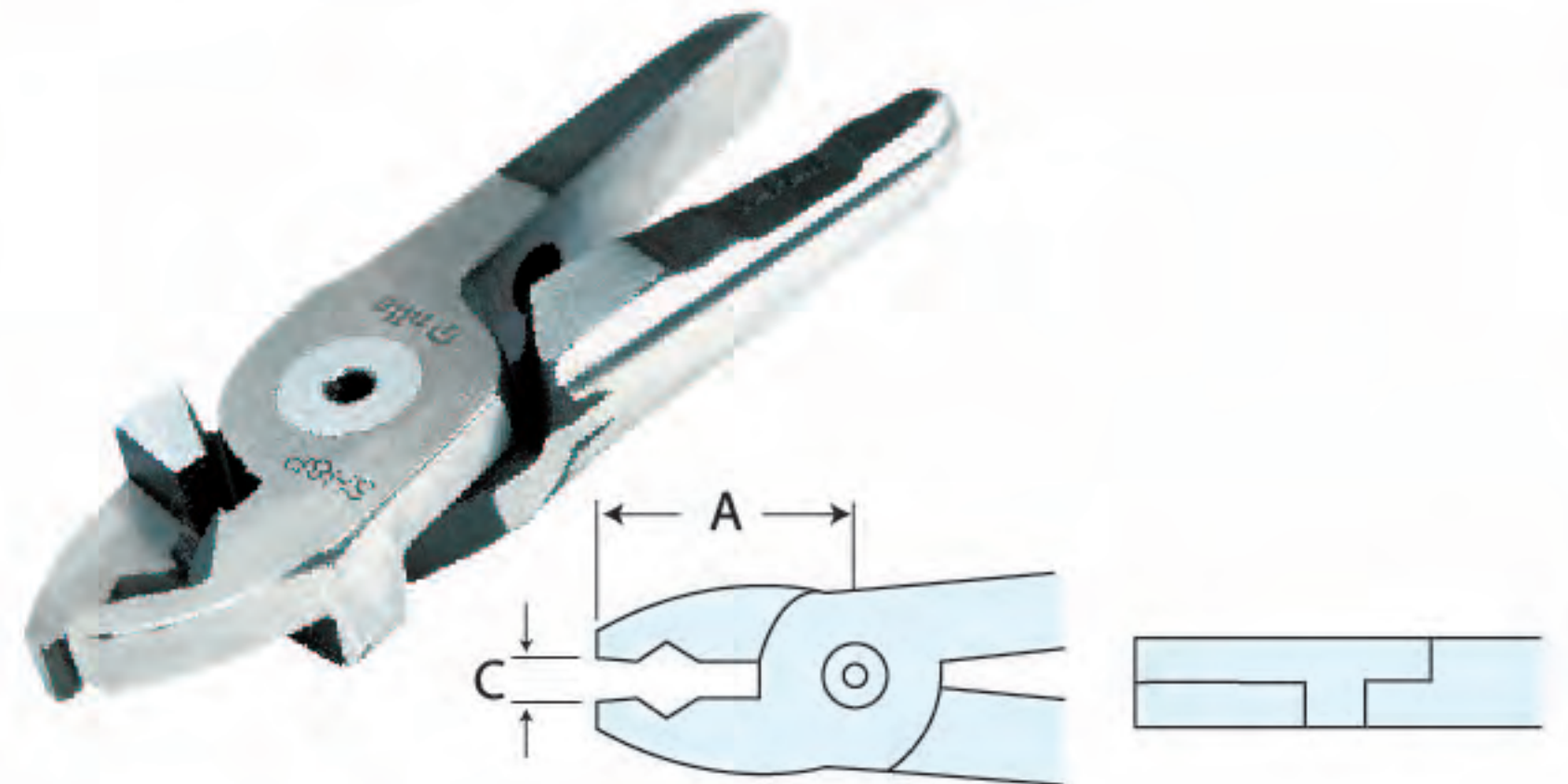
Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
SY7P	43.0	18.0	8.0	30	others



## SH Type

Crossing blade  
Copper pipe cutting  
and holding type

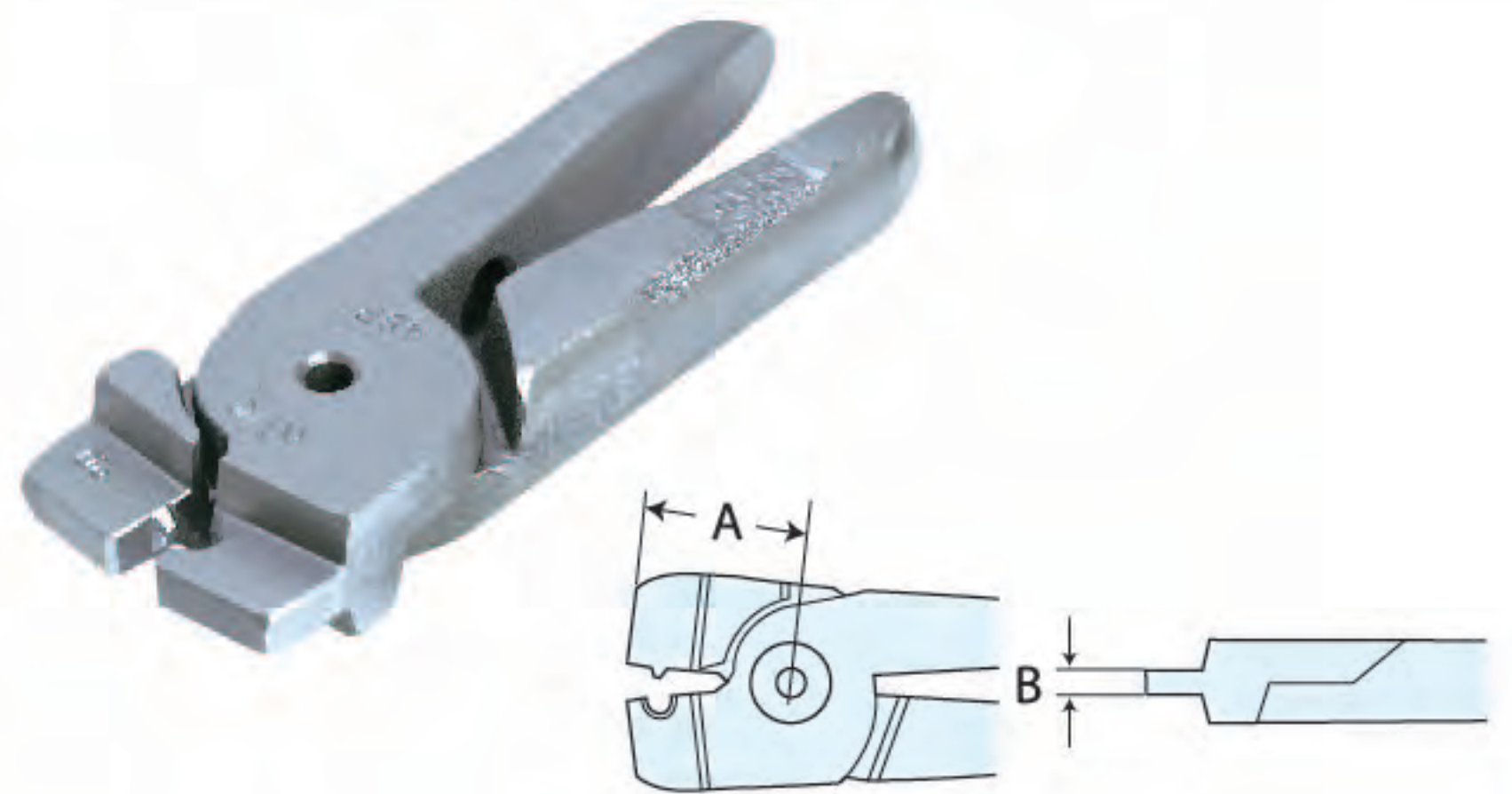
Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
SH8P	43.0	-	7.0	-	others



## A Type

Crimping

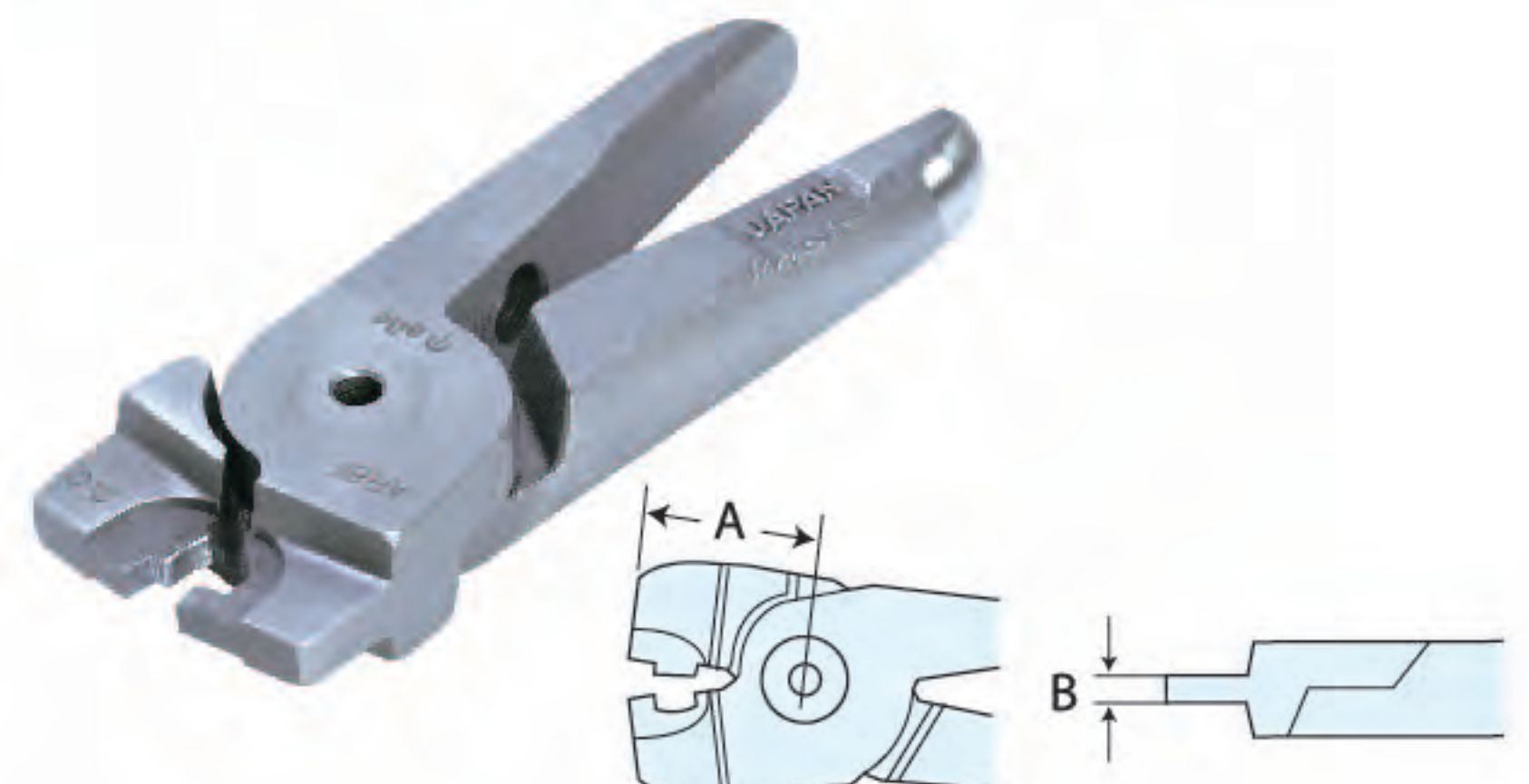
Model	Dimensions (mm)	
	A	B
A8P1-1.25	30.0	5.8
A8P1-2.0	30.0	5.8
A8P-1.25	30.0	5.8
A8P-2.0	30.0	5.8
A8P-5.5	32.0	5.8
A8WP-1.25-2.0	39.5	5.8
A8WP-2.0-5.5	39.0	6.0



## AR Type

Crimping

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



# BLADES

Section of blade

Single blade



Standard



Full-flush round type



Full-flush flat type

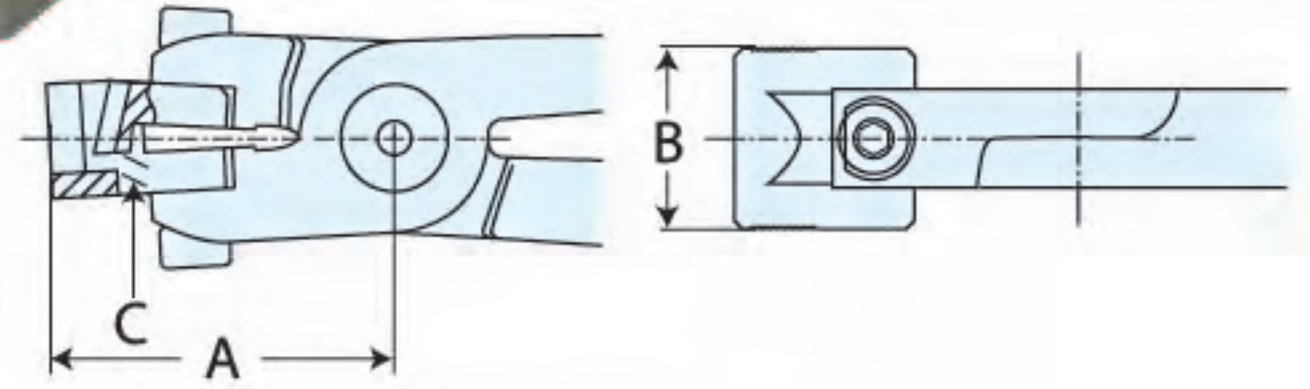
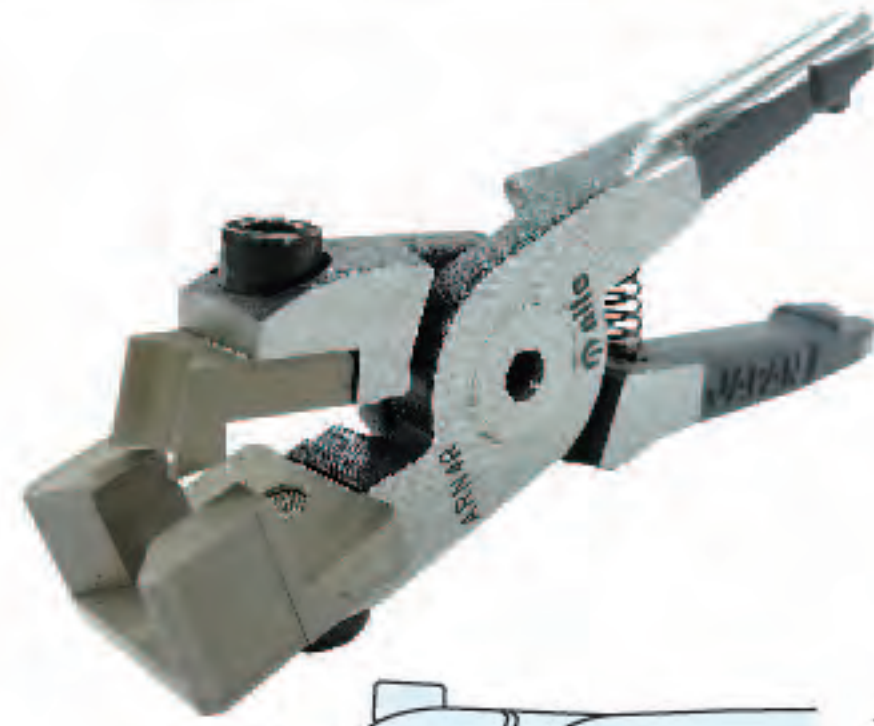
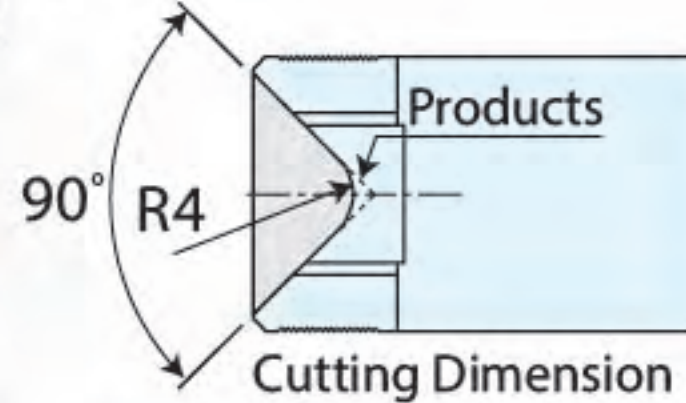
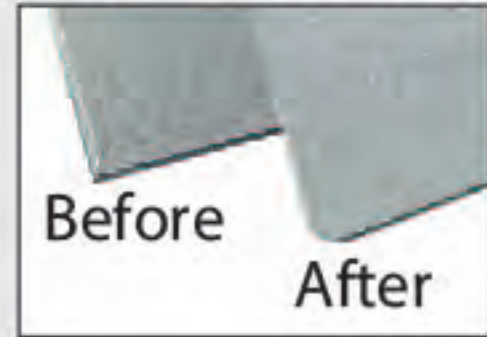
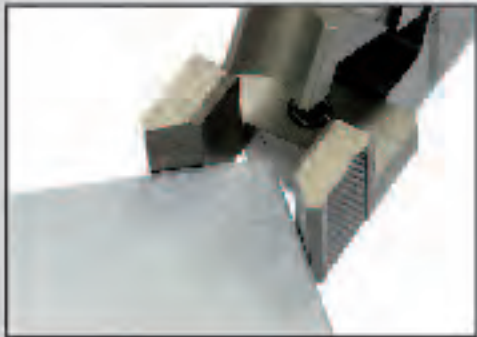


## ARN Type

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

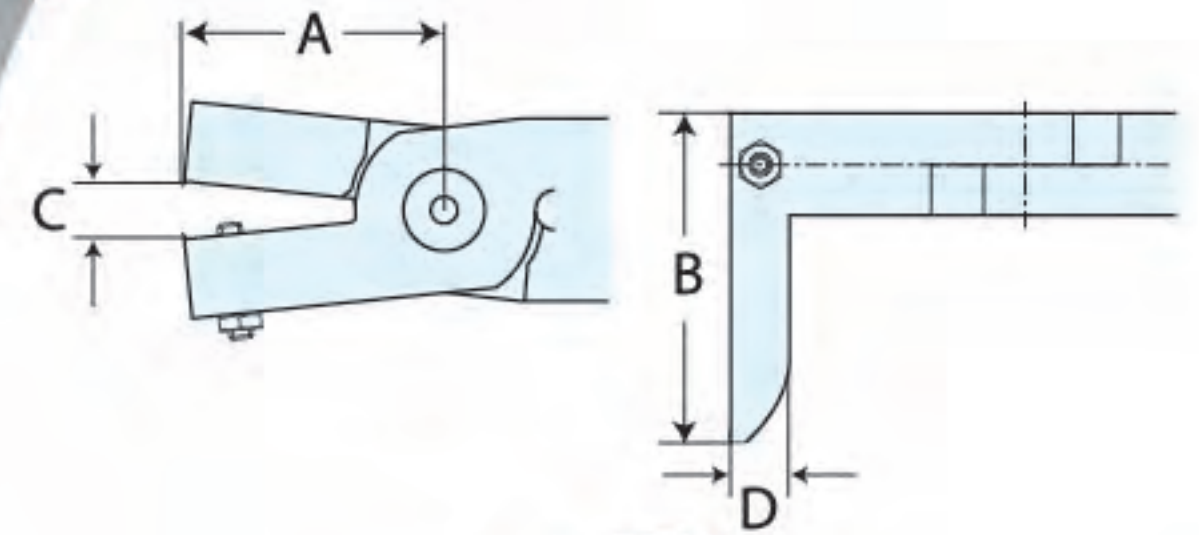
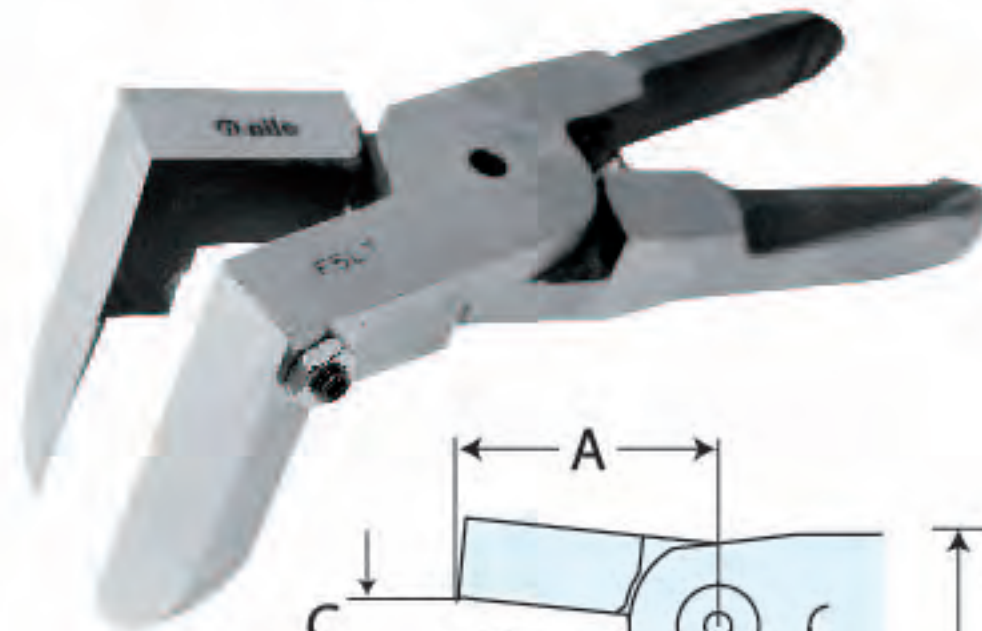


## F-L(T) Type

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

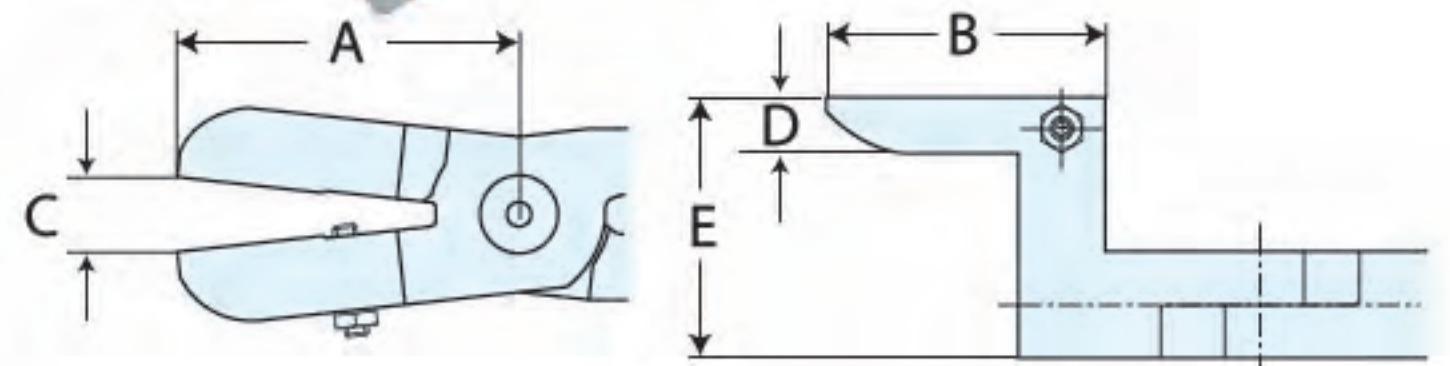


## F-C(T) Type

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

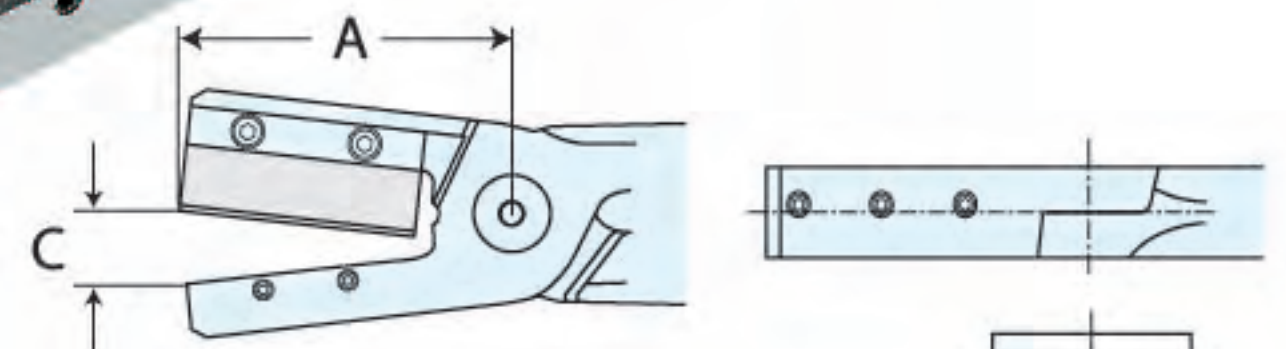
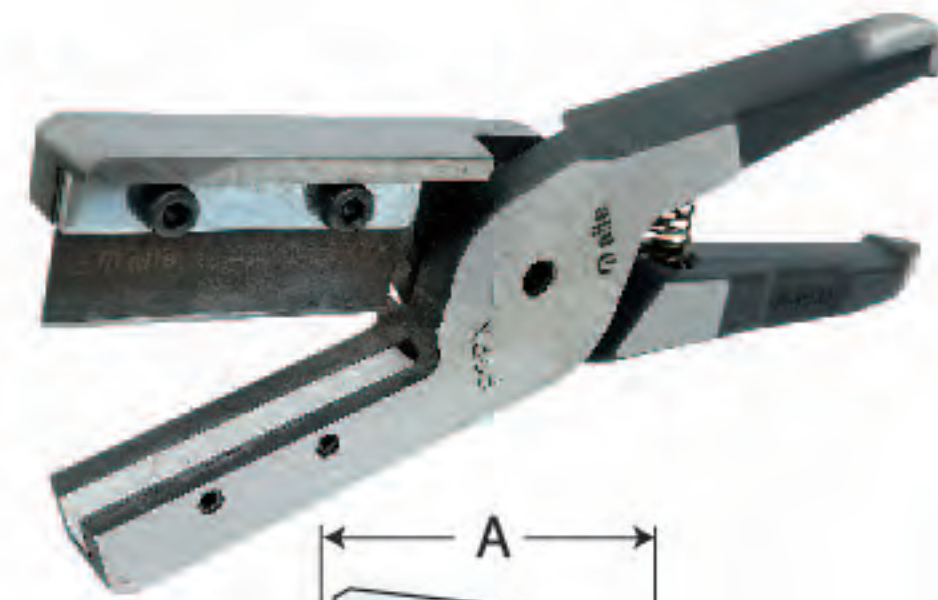


## F-X Type

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

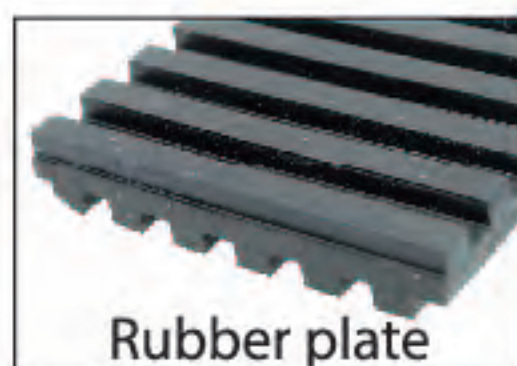
Do not use on hard material.



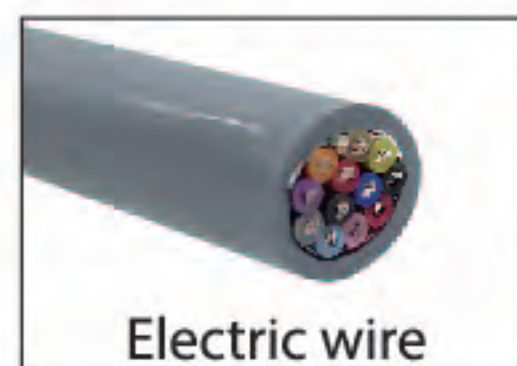
Sponge with tape



Hard sponge



Rubber plate



Electric wire



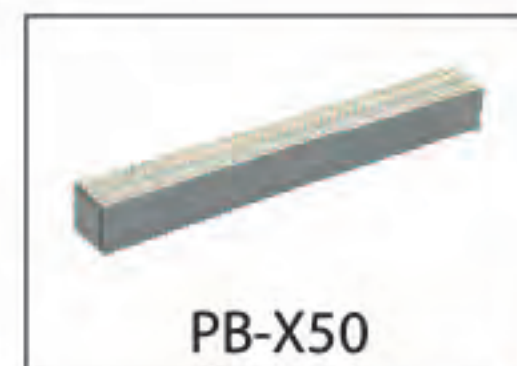
Nylon hose



Plastic plate



X50-5P



PB-X50



# BLADES

Section of blade

Single blade



Standard



Full-flush round type



Full-flush flat type



## Semi-standard Blade

### 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)



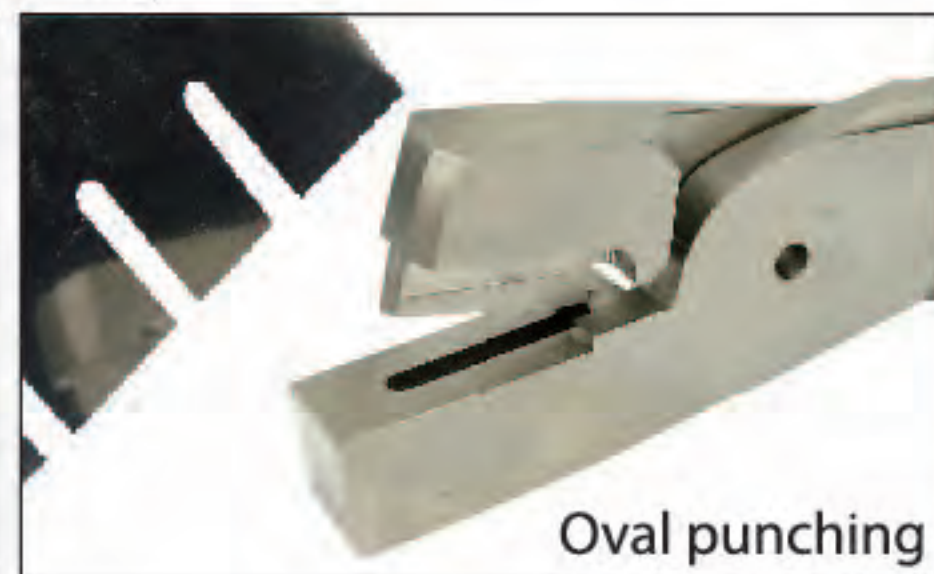
## Special Blade example

### Punching various holes

Can be used in sheet metal processing.



Triangle punching



Oval punching

### Crimp head mounting blade

Use your on tools.



### Copper pipe pinching

Sealing of refrigerant piping.



Pinching



Cutting and Pinching

### Wire cutter blade

Cutting of stranded wire.



### Shearing

For cutting banded iron and thin and wide cutting work.



Steel strip cutting for packing



Steel strip cutting for packing (Long blade)

### Special surface treatment (Fluororesin impregnation)

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



# BLADES

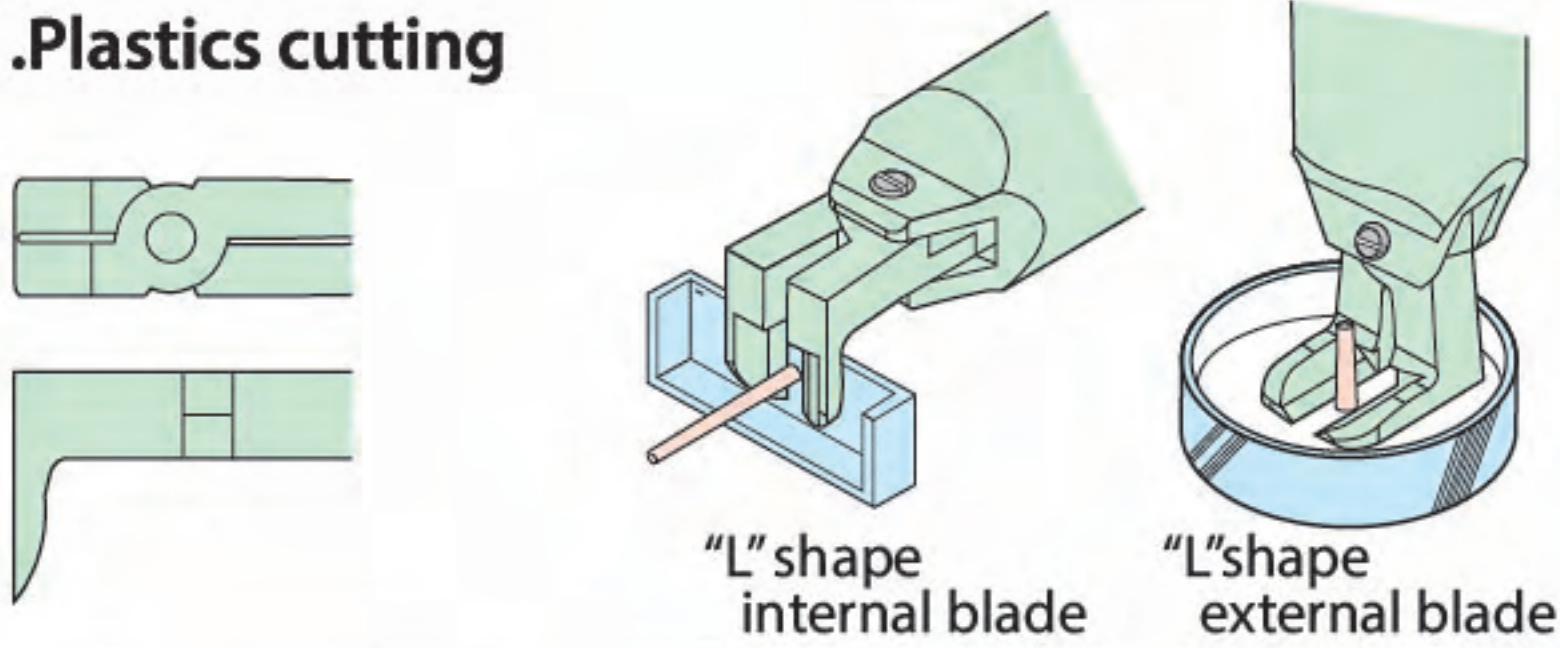
## SPECIAL BLADES

### Some examples of custom-made blades

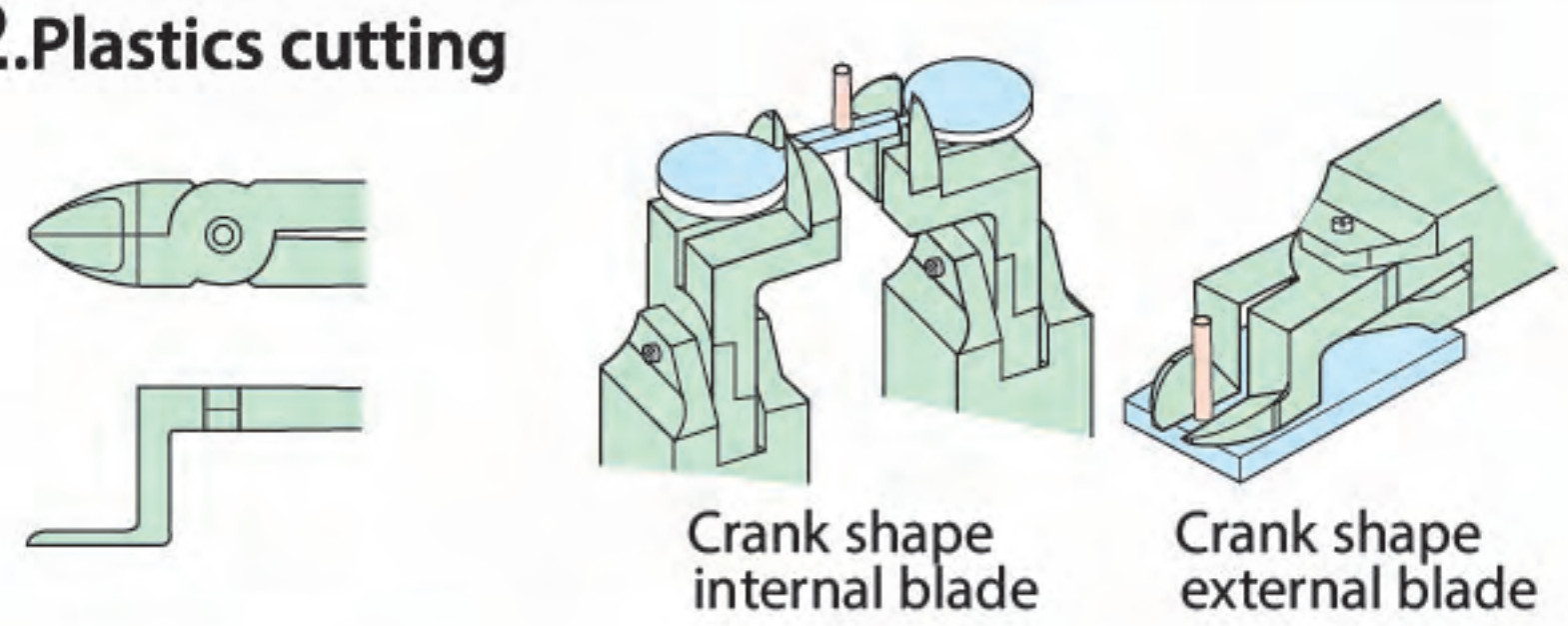
(Designed to meet your particular application.)

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.

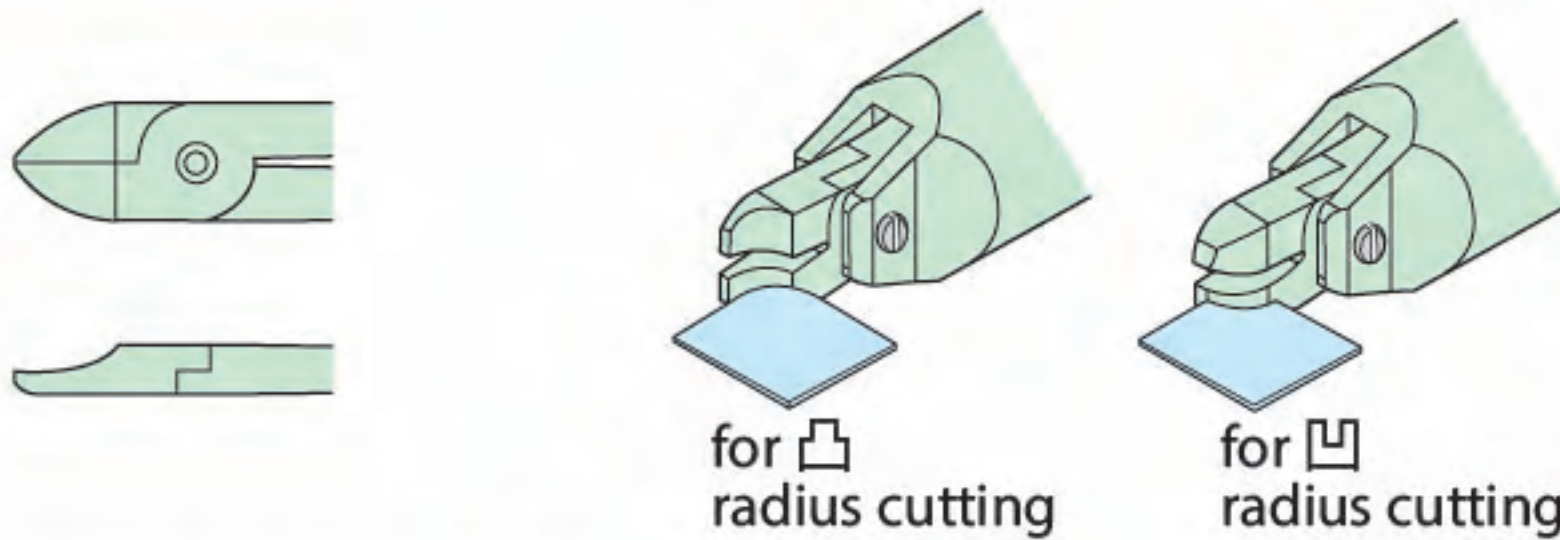
#### 1. Plastics cutting



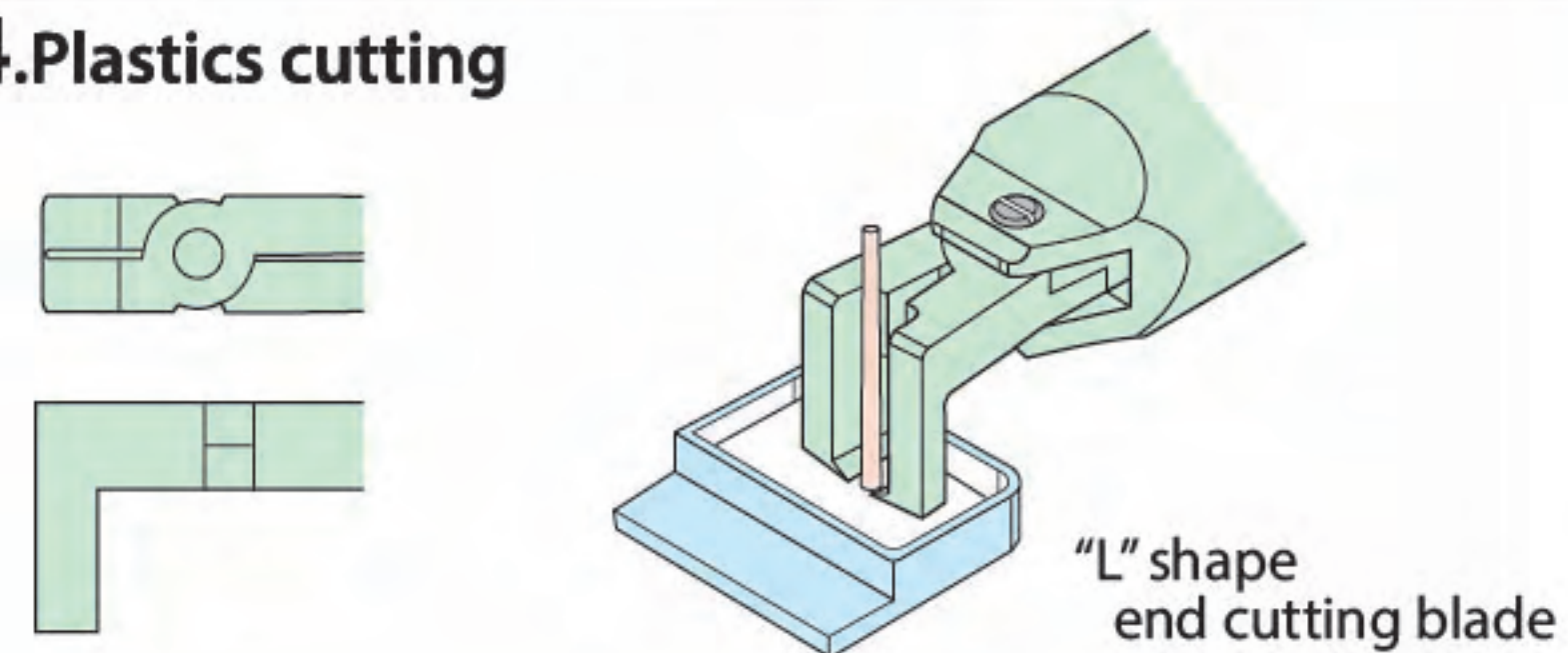
#### 2. Plastics cutting



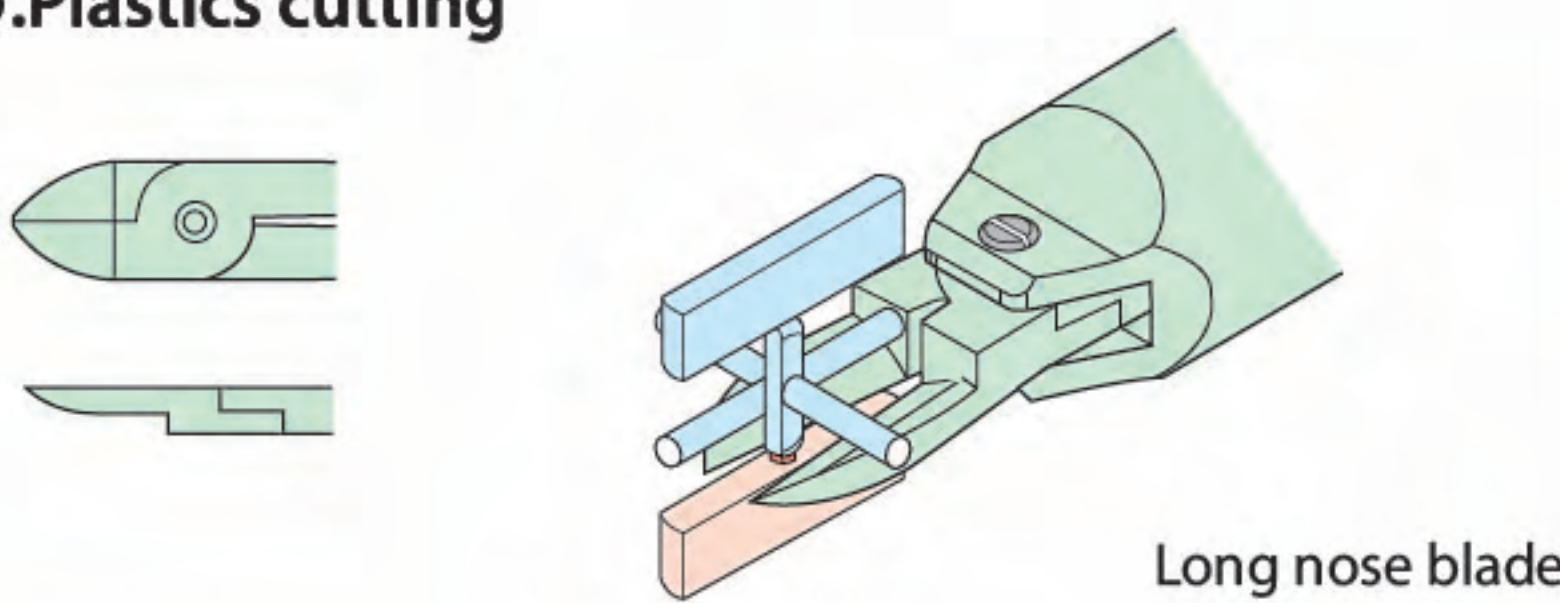
#### 3. Radius cutting of plastics



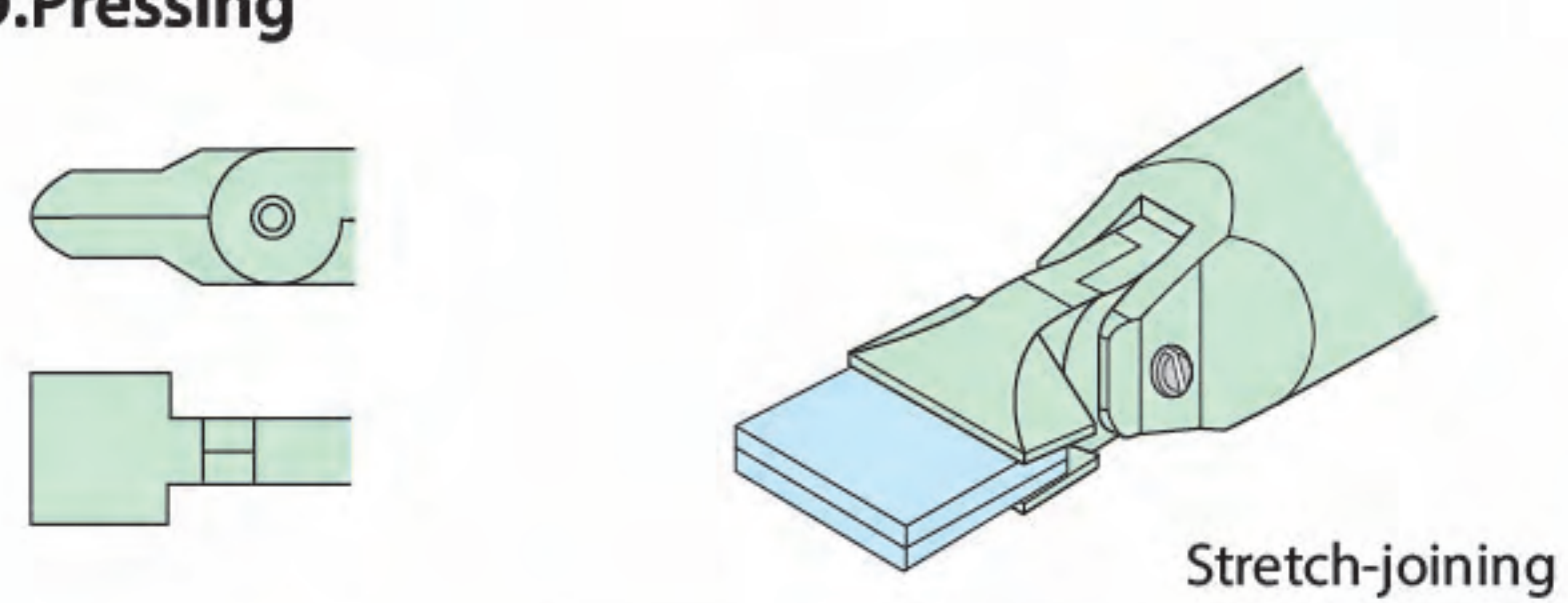
#### 4. Plastics cutting



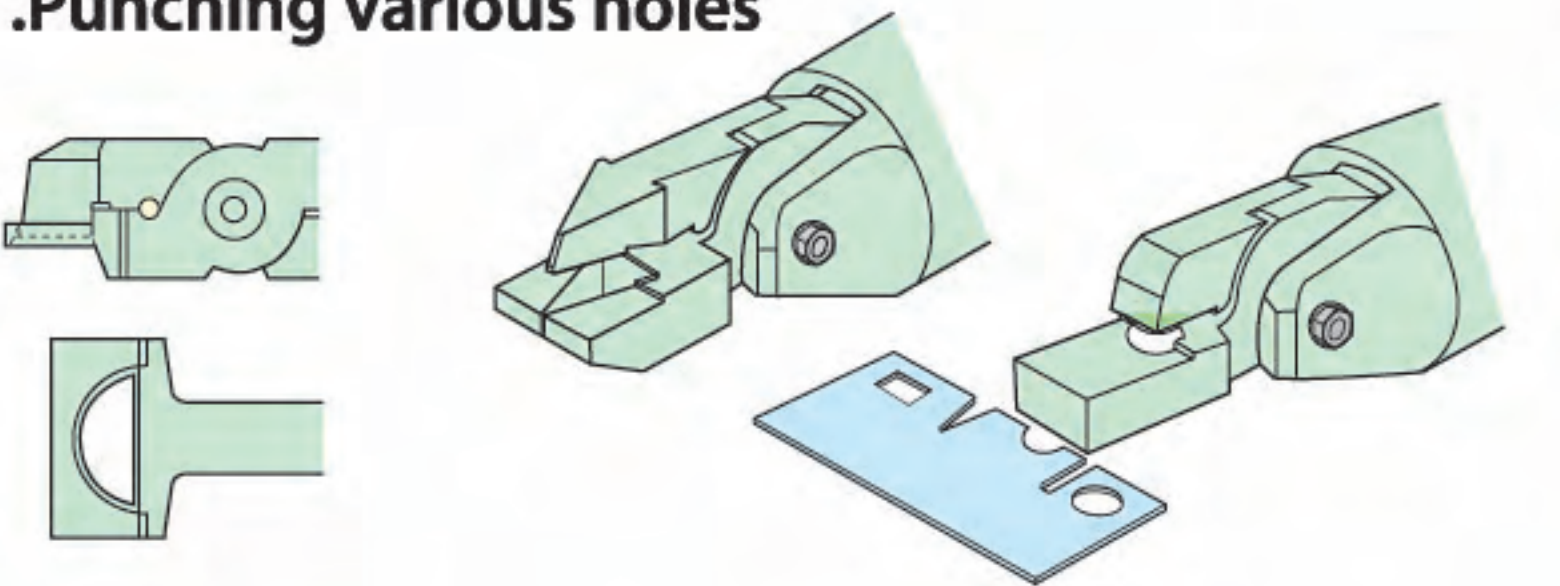
#### 5. Plastics cutting



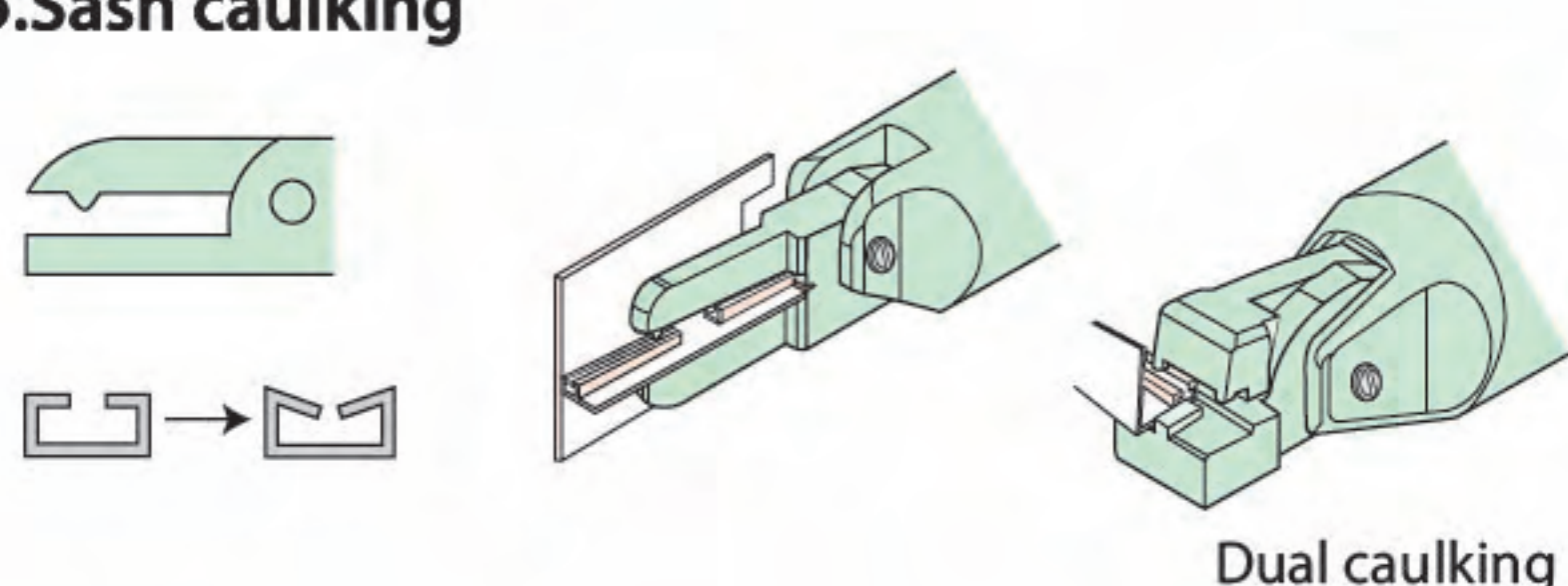
#### 6. Pressing



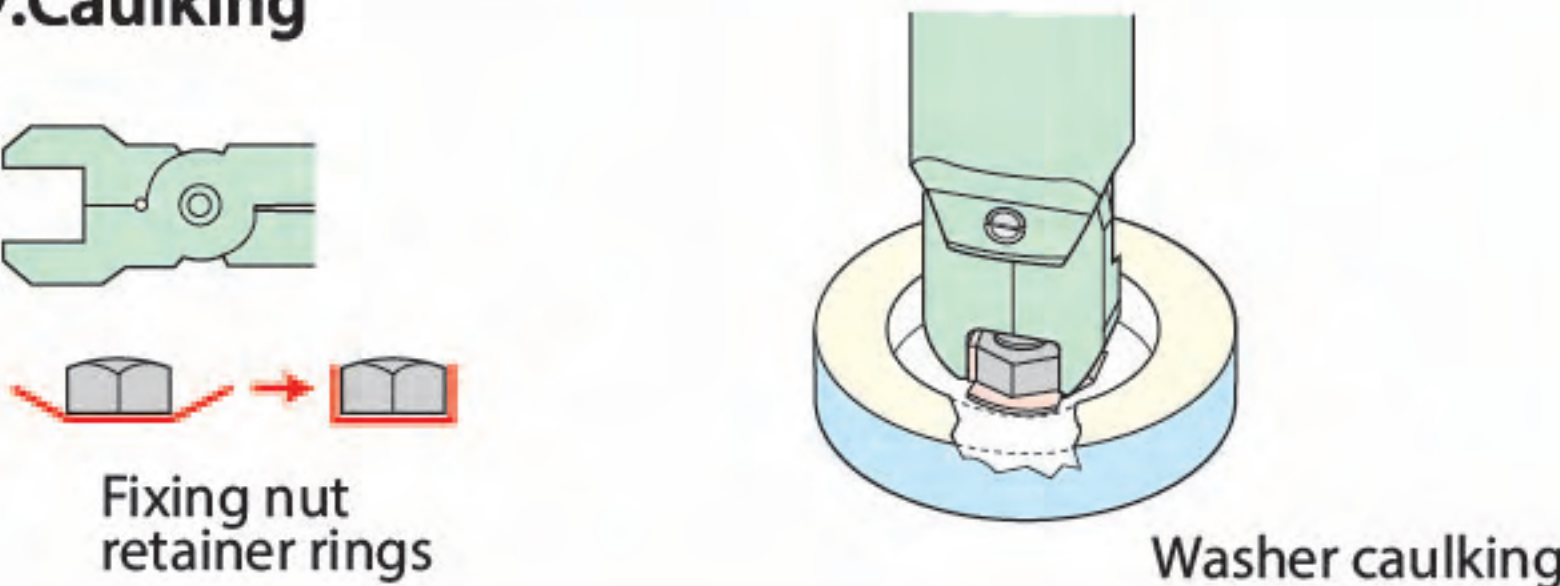
#### 7. Punching various holes



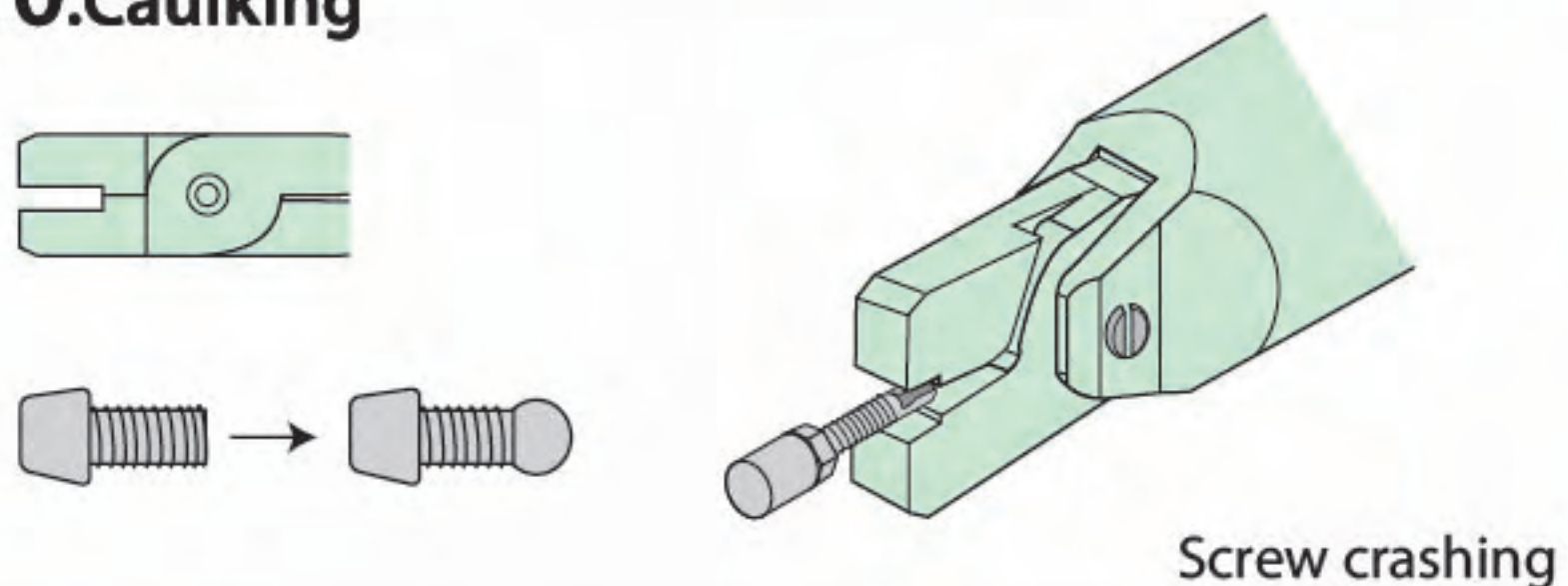
#### 8. Sash caulking



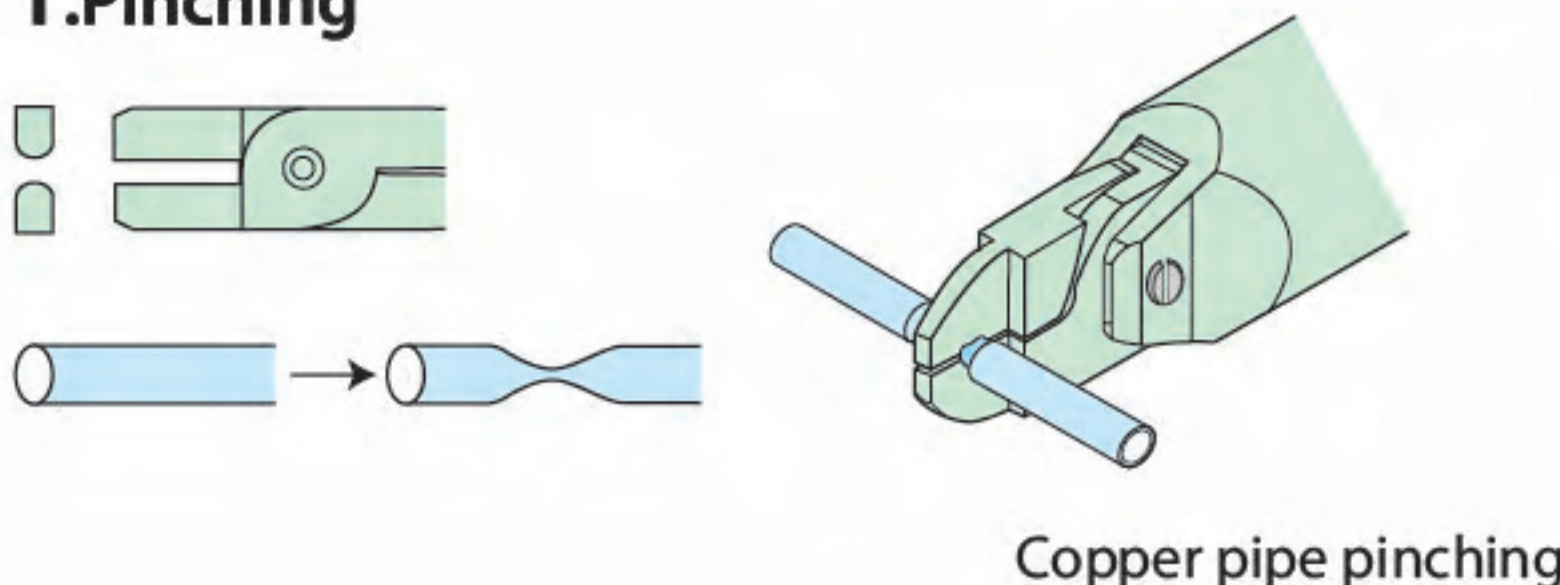
#### 9. Caulking



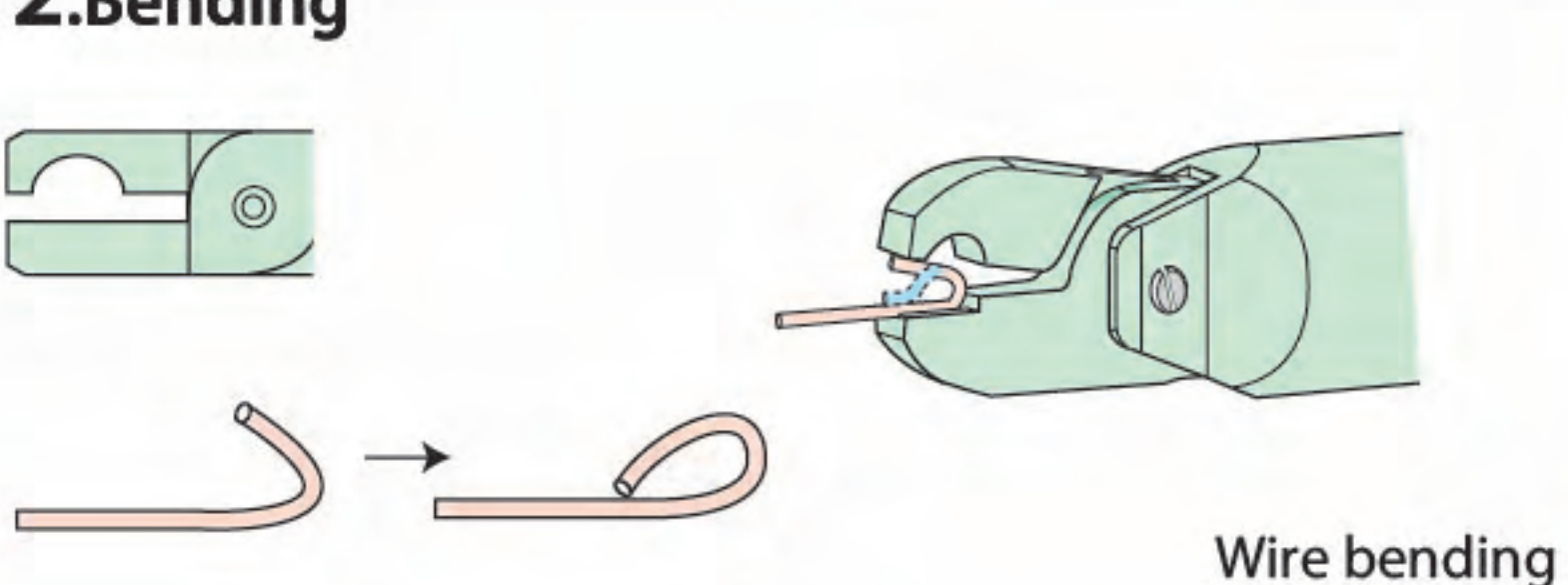
#### 10. Caulking



#### 11. Pinching



#### 12. Bending





nile air tools

# AIR NIPPERS

HAND-HELD TYPE



# AIR NIPPERS (HAND-HELD TYPE)

## HAND-HELD TYPE

**MR** Type  
Standard

MR30A (Blade sold separately)



**MP** Type  
Heavy-duty

MP35A (Blade sold separately)



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

Model (less blade)	Length (mm)	Weight (g)	Grip size φ (mm)	Air consumption (cm <sup>3</sup> /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 <sup>3</sup> /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

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
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
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
MR50FK	FEP10P	-	-	-	-	-	8.0	6.5
	Y8P, K8P	-	-	-	-	-	-	-
	SH8P	-	-	-	-	-	-	-
MR50AK	A8P-1.25, A8P-2.0	-	-	-	-	1.25/2.0	-	-
	AR8P-1.25, AR8P-2.0	-	-	-	-	1.25/2.0	-	-
	F9PF, FD9PF	-	-	-	-	-	12.0	6.5
MR50AK	S120, S120S, P120, CR120, EP120	5.5	4.5	3.5	-	-	-	-
	Z120*, Z120S, ZCR120, ZEP120	5.5	4.5	3.5	1.6	-	-	-
	Y120	-	-	-	-	-	-	-

### MP type Blade cutting capacity

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
MP25	S250, S250S, CR250	2.4	1.8	-	-	-	-	-
	F250, F250S, FD250	-	-	-	-	-	8.0	5.0
	S7P1, S7P1S, P8P1, CR8P1, EP10P1	4.0	3.2	-	-	-	-	-
MP250	Z8P1*, ZCR8P1, ZEP10P1	4.0	3.2	2.3	1.2	-	-	-
	F9P1, FD9P1, F9P1S	-	-	-	-	-	8.0	6.5
	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-	-
MP25A	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
MP55AK	FEP10P	-	-	-	-	-	8.0	6.5
	Y8P, K8P, SH8P	-	-	-	-	-	-	-
	A8P-1.25/2.0/5.5, A8WP-1.25-2.0/2.0-5.5	-	-	-	-	-	125/2.0/5.5	-
MP55AK	AR8P-1.25/2.0/5.5, AR8WP-1.25-2.0/2.0-5.5	-	-	-	-	-	125/2.0/5.5	-
	S120, S120S, P120, CR120, EP120	7.0	6.0	4.3	-	-	-	-
	Z120*, Z120S, ZCR120, ZEP120	7.0	6.0	4.3	2.0	-	-	-
MP55AK	F120	-	-	-	-	-	11.0	8.0
	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

# AIR NIPPERS (HAND-HELD TYPE)

ONE SIDE FIXED-ONE ACTUATED

## HAND-HELD TYPE

**CP** Type  
Standard

CP30 (Blade sold separately)



### CP type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size φ(mm)	Air consumption (cm <sup>3</sup> /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

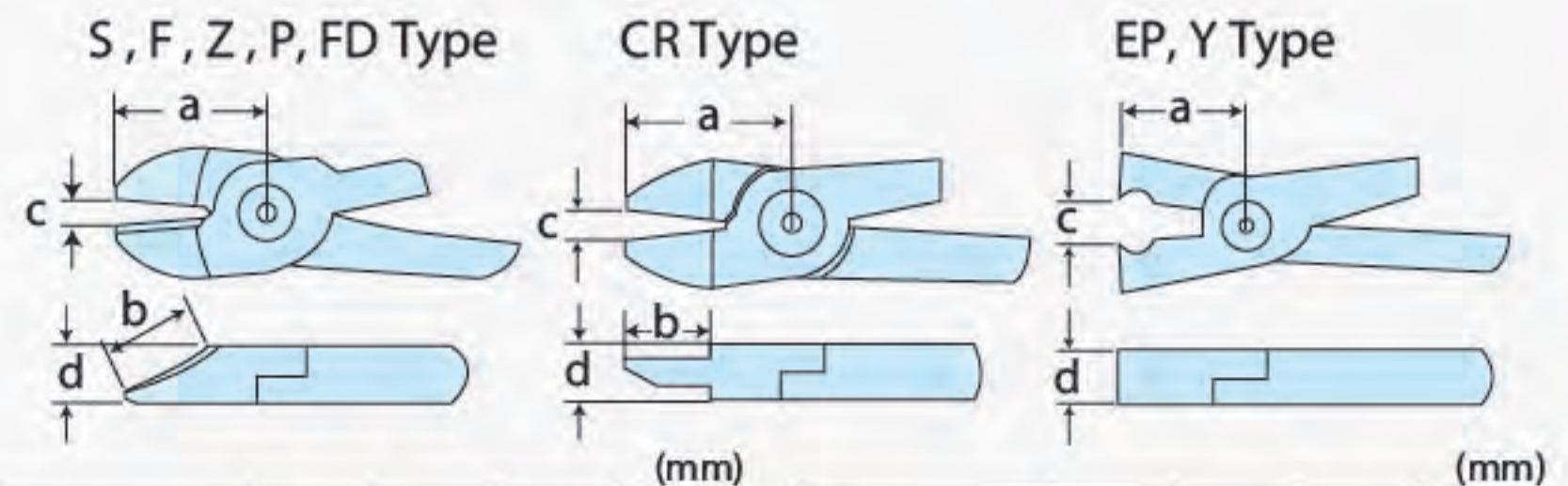
Shapes & Dimensions of Standard Blades pp.5-10

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
CP20	S500, P600	2.6	2.0	1.6	-	-	-
	EP600, CR600	2.6	2.0	1.6	-	-	-
	Z600★	2.6	2.0	1.6	1.0	-	-
	F500, FD500	-	-	-	-	6.0	5.0
	Y600	-	-	-	-	-	-
CP20X	S500, P600	2.6	2.0	1.6	-	-	-
	EP600, CR600	2.6	2.0	1.6	-	-	-
	Z600★	2.6	2.0	1.6	1.0	-	-
	F500, FD500	-	-	-	-	6.0	5.0
	Y600	-	-	-	-	-	-
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	-	-	-	-	-	-

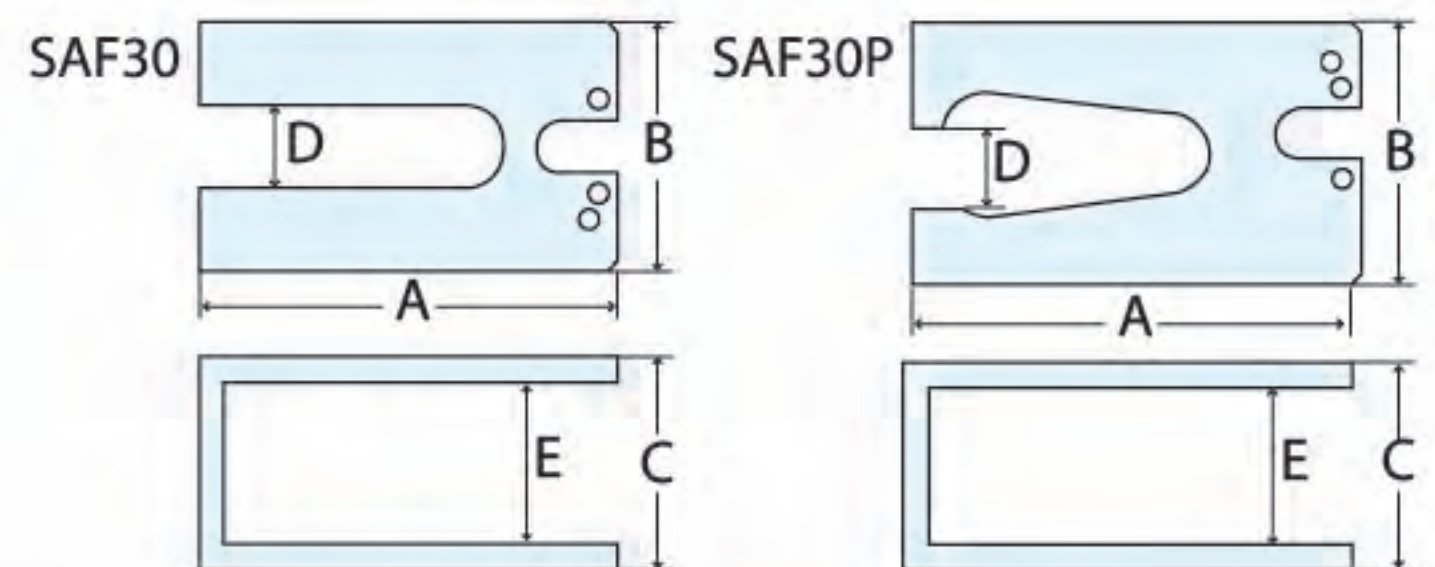


Blade	a	b	c	d	Blade	a	b	c	d
S500	35	17	6	12	S700	43	20	7	17
P600	28	11	5	12	S900	65	38	15	17
Z600	32	15	5	12	P800	37	12	5	17
CR600	35	18	6	12	Z800	38	20	6	17
EP600	28	-	5	12	CR800	43	23	7	17
F500	35	15	7	12	EP100	34	-	5	17
FD500	35	14	7	12	F900	66	38	13	17
Y600	48	-	6	6	FD900	59	27	12	17
					Y800	70	-	13	17

## SAFETY COVER (BODY SOLD SEPARATELY)

**SAF30** Type  
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.



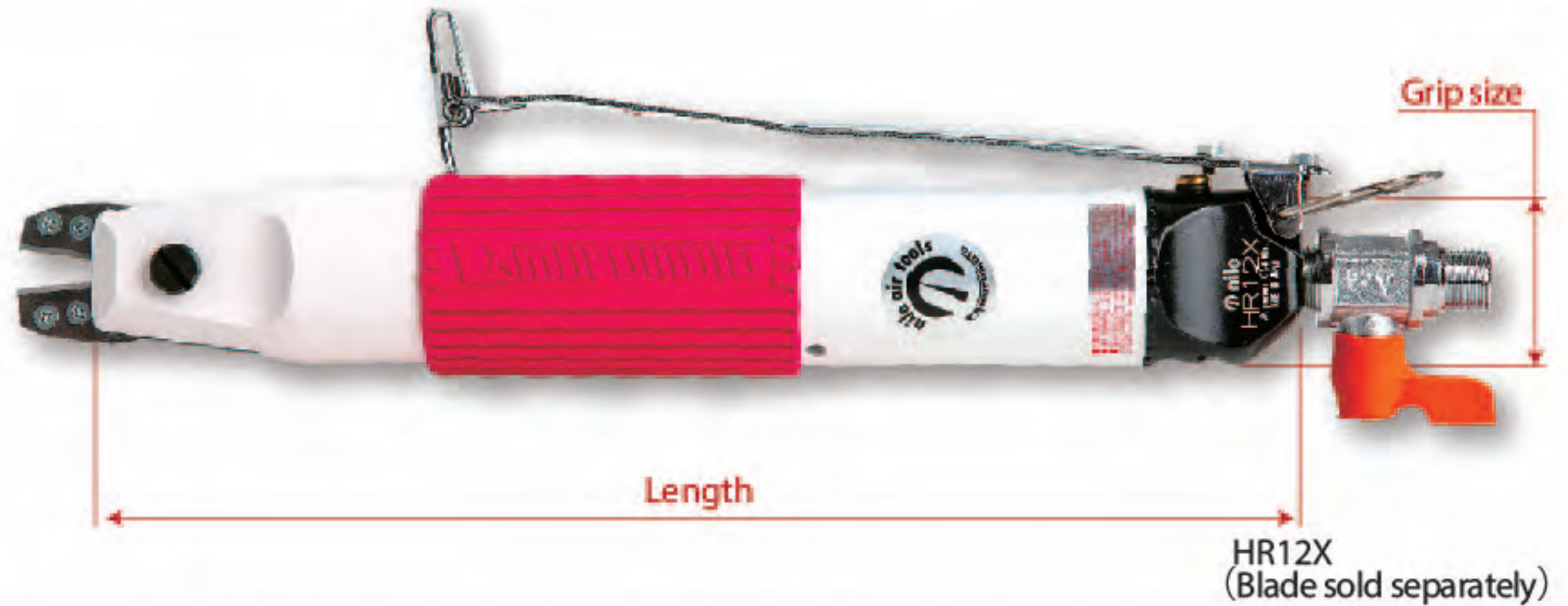
Model (less blade)	Weight (g)	Dimensions (mm)					Blade
		A	B	C	D	E	
SAF30	40	88	48	41	16	31	S700, P800, EP100, CR800, F900X and all standard replacement blades for MR30A and MP35A (Except Y8P)
SAF30P	45	89	52	41	16	31	S900, F900, FD900, Y800, F9PX

# 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



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.

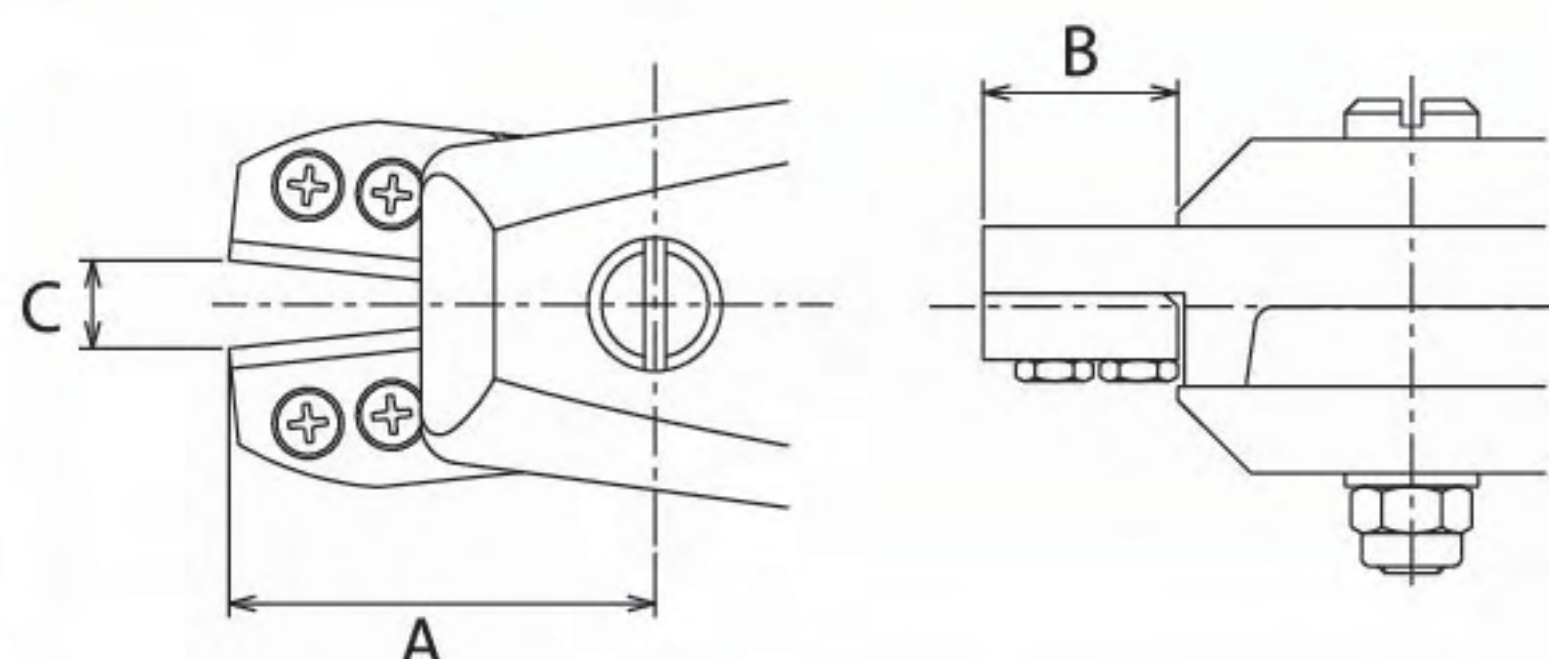
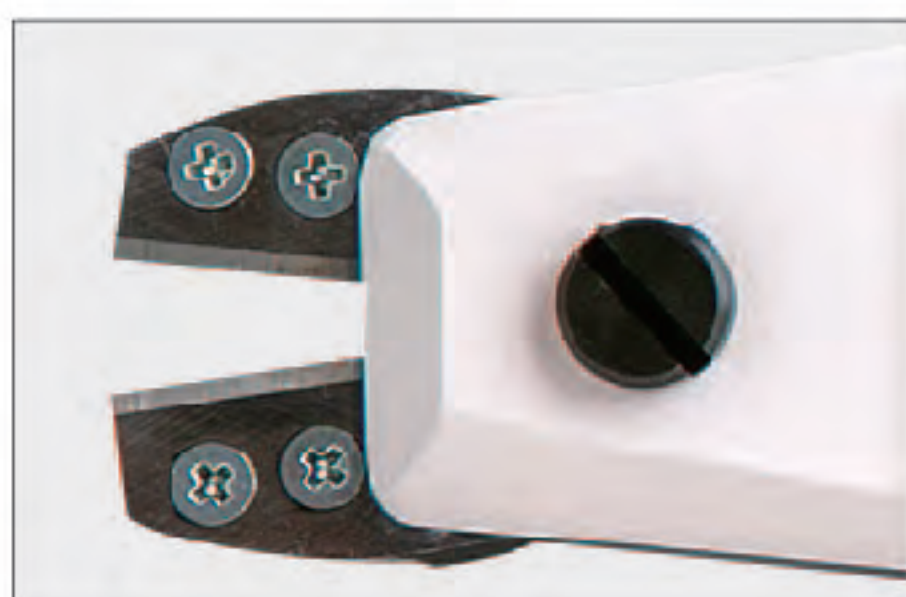
### HR12X type specification

Model	Length (mm)	Weight (g)	Cutting capacity $\phi$ (mm)	Grip size $\phi$ (mm)	Air consumption (cm <sup>3</sup> /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  
Standard

MR20M (Blade sold separately)



**MP-M** Type  
Heavy-duty

MP35AM (Blade sold separately)



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

Model (less blade)	Length (mm)	Weight (g)	Grip size φ (mm)	Air consumption (cm <sup>3</sup> /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 <sup>3</sup> /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

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

- ◆ 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	-	-	-
	F10, F10S, FD10, FEP20	-	-	-	-	-	1.0	-
MR5M	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	-
MR10M	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
MR20M	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
MR30AM	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	-	-	-	-
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	-	-	-
	F9P, F9PS, FD9P	-	-	-	-	-	10.0	6.5
MR50FM	FEP10P	-	-	-	-	-	8.0	6.5
	F9PF, FD9PF	-	-	-	-	-	12.0	6.5
	S120, S120S, P120, CR120, EP120	5.5	4.5	3.5	-	-	-	-
MR50AM	Z120*, Z120S, ZCR120, ZEP120	5.5	4.5	3.5	1.6	-	-	-
	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	-	-	-
	F10, F10S, FD10, FEP20	-	-	-	-	-	1.0	-
MP5M	S2, S2S, CR2, EP2, SD2	1.0	0.5	-	-	-	-	-
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	-	-	-
	F1, F1S, FD1, FEP	-	-	-	-	-	2.0	-
MP10M	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
MP25M	S250, S250S, CR250	2.4	1.8	-	-	-	-	-
	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
	S7P1, S7P1S, P8P1, CR8P1, EP10P1	4.0	3.2	2.3	-	-	-	-
MP250M	Z8P1*, ZCR8P1, ZEP10P1	4.0	3.2	2.3	1.2	-	-	-
	F9P1, FD9P1, F9P1S	-	-	-	-	-	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
	FEP10P	-	-	-	-	-	8.0	6.5
MP55AM	S120, S120S, P120, CR120, EP120	7.0	6.0	4.3	-	-	-	-



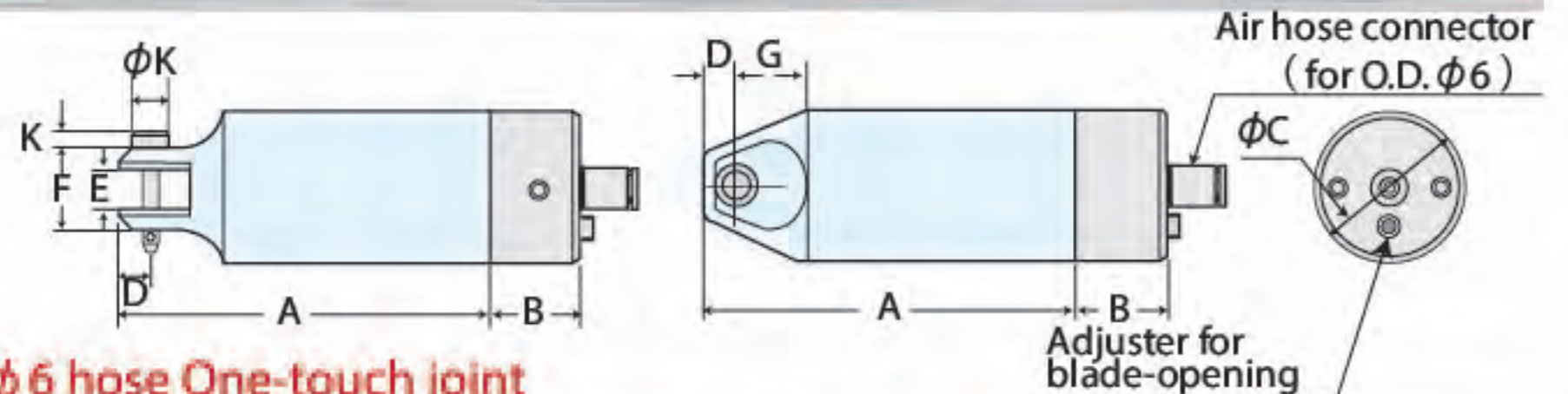
# AIR NIPPERS (MACHINE-FITTING TYPE)

No tool is needed for blade replacement.

## MACHINE-FITTING TYPE

### MR-MG Type Standard

MR20MG (Blade sold separately)



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

Model (less blade)	Weight (g)	Air consumption (cm <sup>3</sup> /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)									
				Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	J	K
MR20MG	338	268	0.5~0.6	G1/8	Outer diameter φ6	109	27	45	9	12	23	22	-	11	5
MR30AMG	597	631	0.5~0.6	G1/8	Outer diameter φ6	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	
							Soft	Hard
MR20MG	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	7.0	5.0
	Y6, K6	-	-	-	-	-	-	-

Model	Blade {*} Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MR30AMG	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	-	-	-	-
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	-	-	-
	F9P, F9PS, FD9P	-	-	-	-	-	10.0	6.5
	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	-	-

★ Blade sold separately

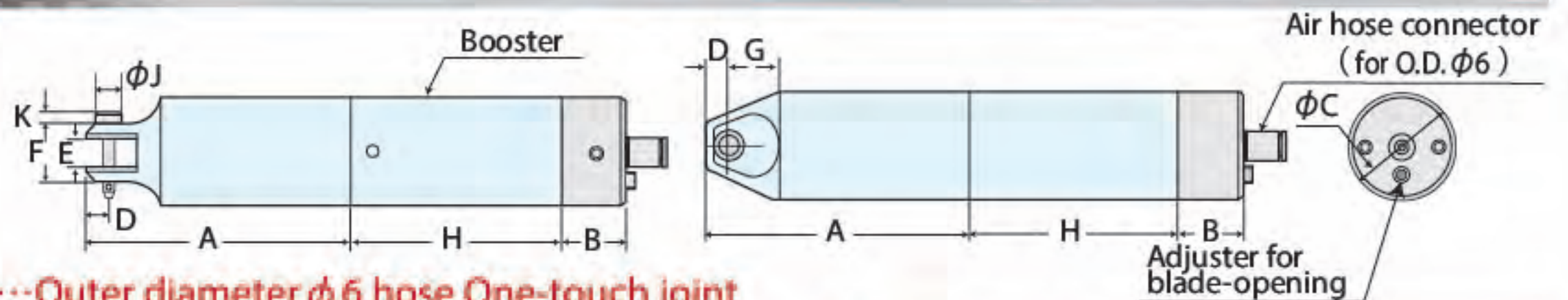
Shapes & Dimensions of Standard Blades pp.5-10

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

## MACHINE-FITTING TYPE

### MP-MG Type Heavy-duty

MP25AMG (Blade sold separately)



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

Model (less blade)	Weight (g)	Air consumption (cm <sup>3</sup> /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)									
				Hose coupling	Body internal thread	A	B	C	D	E	F	G	H	J	K
MP25AMG	560	459	0.4~0.5	G1/8	Outer diameter φ6	109	27	45	9	12	23	22	87	11	5
MP35AMG	924	1,146	0.5~0.6	G1/8	Outer diameter φ6	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	
							Soft	Hard
MP25AMG	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	7.0	5.0
	Y6, K6	-	-	-	-	-	-	-

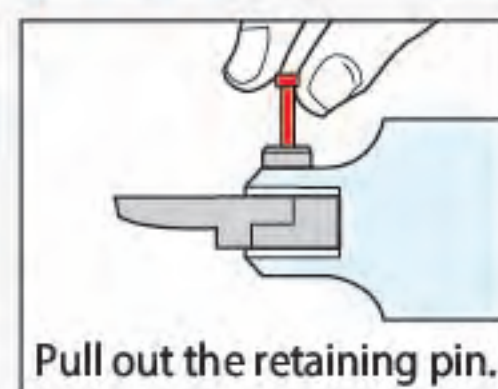
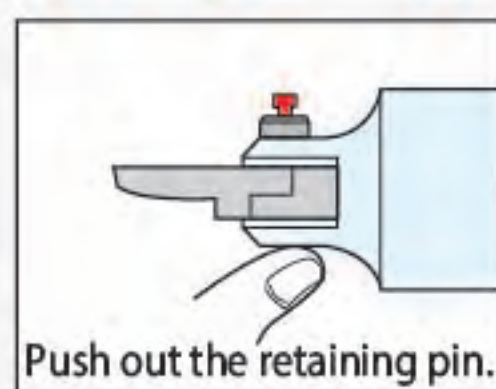
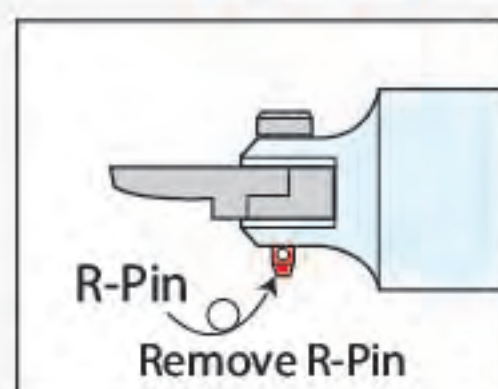
Model	Blade {*} Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MP35AMG	S7P, S7PS, P8P, CR8P, EP10P, P8PS	4.8	4.0	2.8	-	-	-	-
	Z8P*, Z8PS, ZCR8P, ZEP10P	4.8	4.0	2.8	1.2	-	-	-
	F9P, F9PS, FD9P	-	-	-	-	-	13.0	6.5
	FEP10P	-	-	-	-	-	8.0	6.5
	Y8P, K8P	-	-	-	-	-	-	-
	SH8P	-	-	-	-	-	-	-
	A8P-1.25, A8P-2.0	-	-	-	-	1.25/2.0	-	-
	AR8P-1.25, AR8P-2.0	-	-	-	-	1.25/2.0	-	-

★ 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  
Standard

CP30XM (Blade sold separately)



### CP-M type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size φ (mm)	Air consumption (cm <sup>3</sup> /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

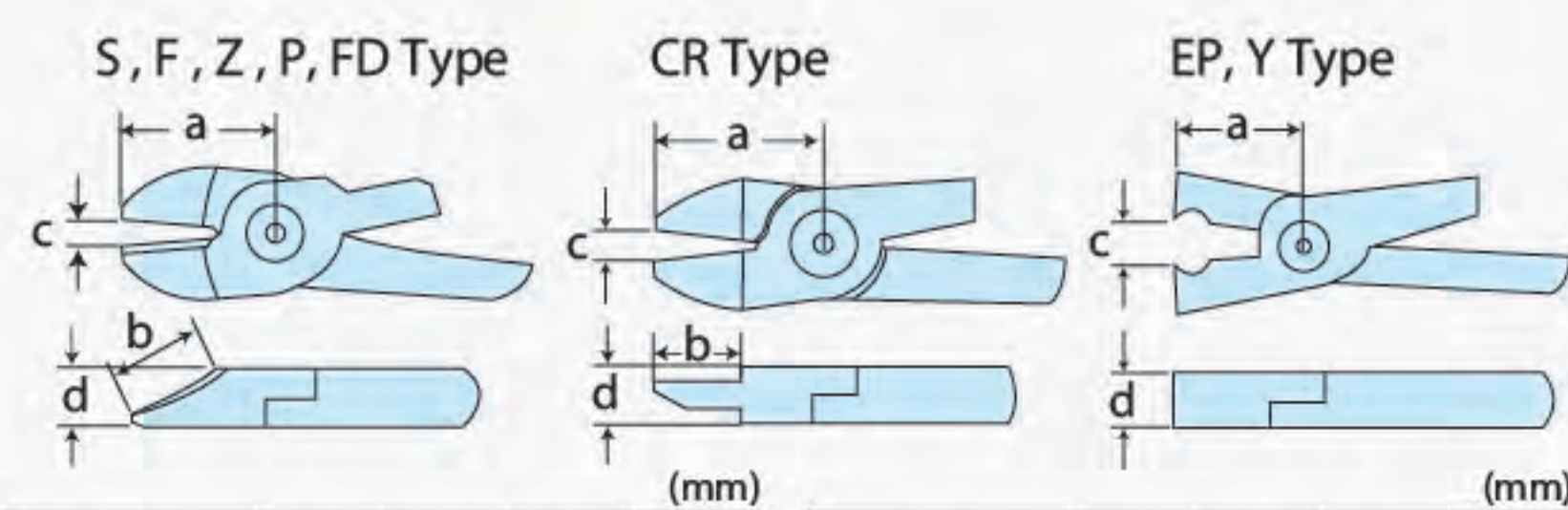
### Shapes & Dimensions of Standard Blades pp.5-10

### 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	
		2.6	2.0	1.6	-	-	-	6.0	5.0	-	-	-	-	-	-
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	-	-	-	-	-	-
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	-	-	-	-	-	-
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	-	-	-	-	-	-
CP30XM	Y800	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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

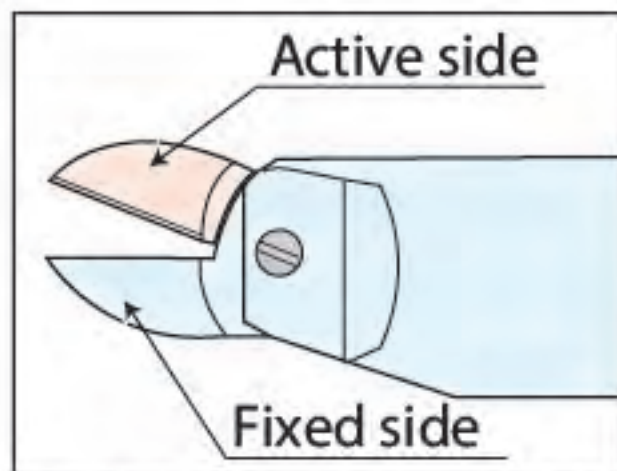
Blade	a	b	c	d
S700	43	20	7	17
S900	65	38	15	17
P800	37	12	5	17
Z800	38	20	6	17
CR800	43	23	7	17
EP100	34	-	5	17
F900	66	38	13	17
FD900	59	27	12	17
Y800	70	-	13	17

# AIR NIPPERS <MACHINE-FITTING TYPE>

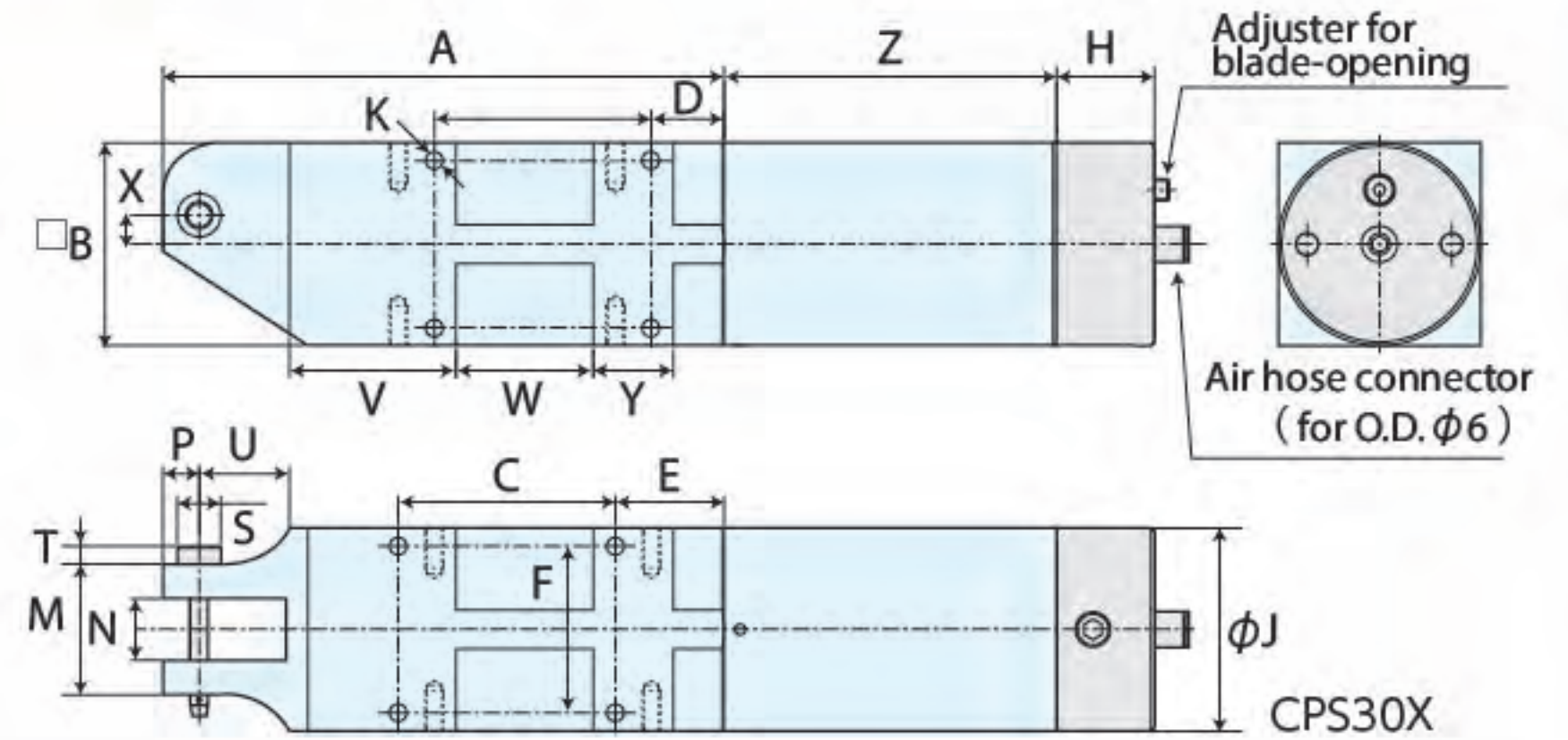
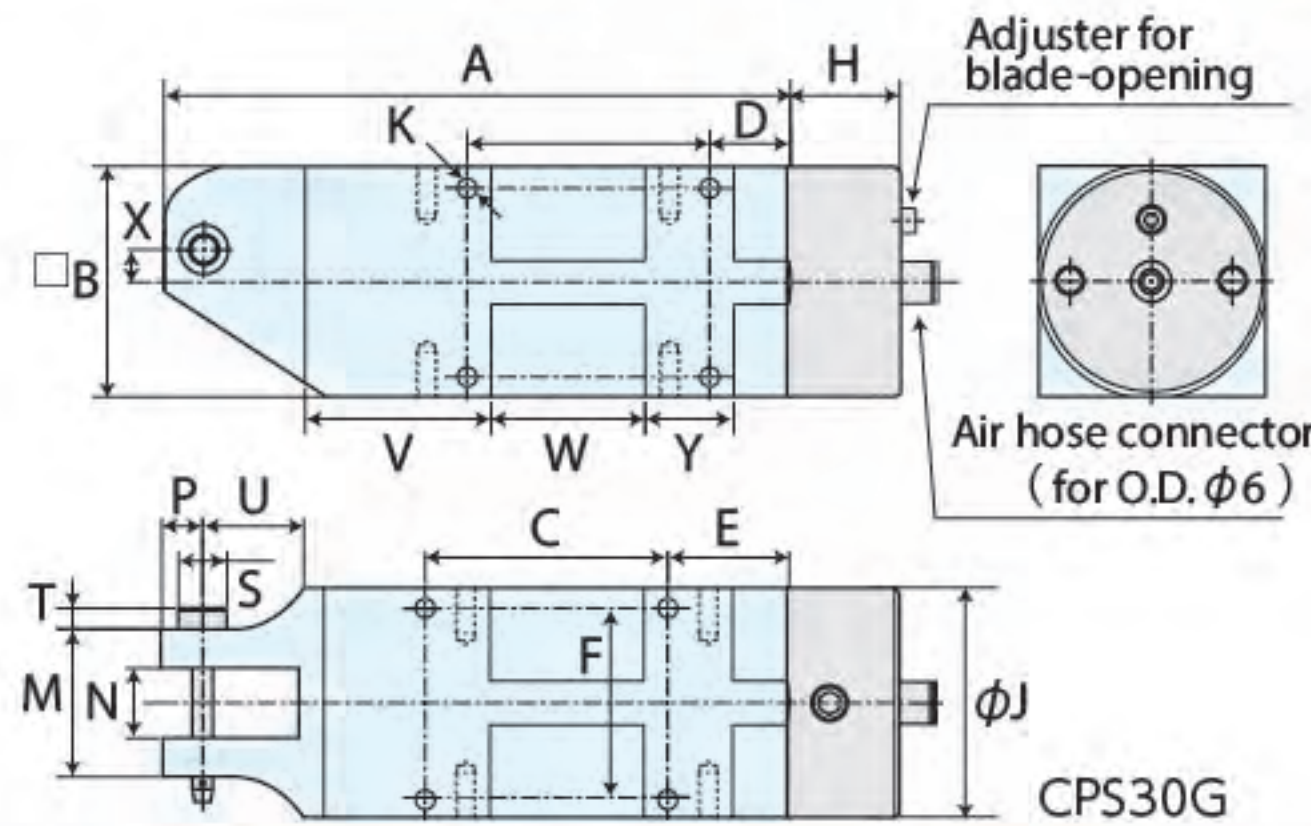
## SINGLE-BLADE ACTUATED

# CPS Type

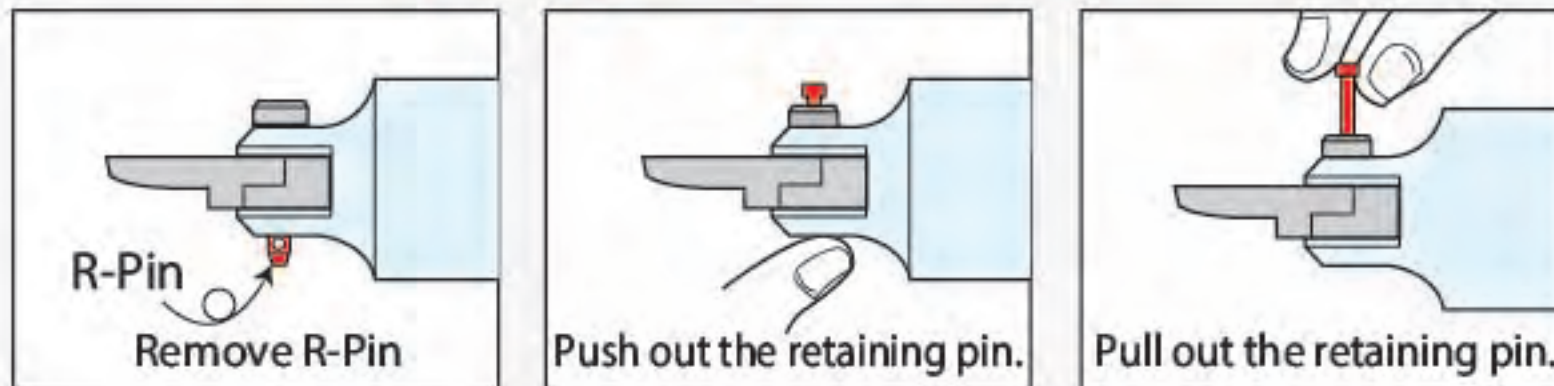
Only one blade is activated.  
Blades can be easily replaced even in tight spaces.  
The blade opening can be adjusted.



Only one blade is activated.



**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)	Airconsumption (cm <sup>3</sup> /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 $\phi 6$	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 $\phi 6$	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

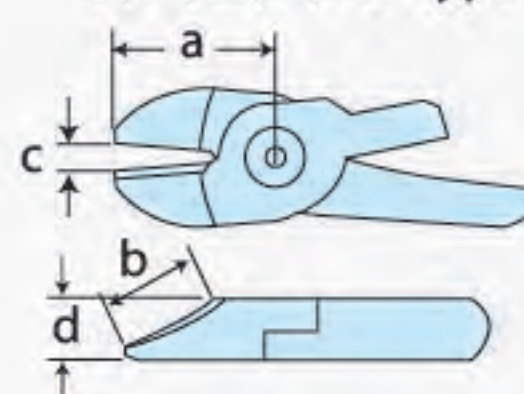
#### CPS type Blade cutting capacity

Model	Blade (*) Carbide tipped	Copper wire					Steel wire		Stainless wire		Piano wire		Plastic	
		3.3	2.8	-	-	-	2.0	1.2	-	-	8.0	6.5	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	-	-	-	-	-	-	-	-	-	-	-	-	

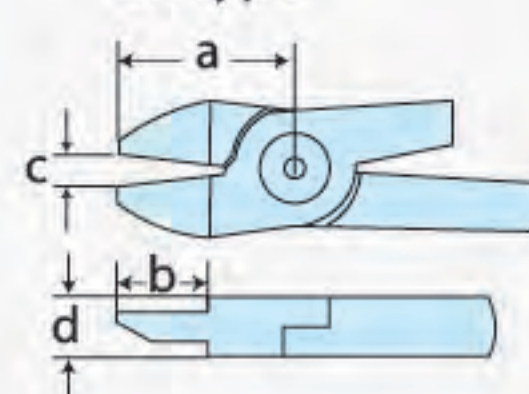
Model	Blade (*) Carbide tipped	Copper wire		Steel wire		Stainless wire		Piano wire		Plastic	
		4.5	3.8	2.6	1.2	- <th>- <th>8.0</th> <th>6.5</th> <th>Soft</th> <th>Hard</th> </th>	- <th>8.0</th> <th>6.5</th> <th>Soft</th> <th>Hard</th>	8.0	6.5	Soft	Hard
CPS30X	S700, S900	4.5	3.8	-	-	-	-	-	-	-	-
	P800, 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

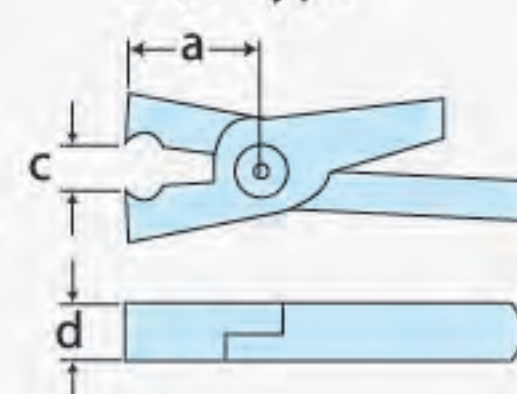
#### S, F, Z, P, FD Type



#### CR Type



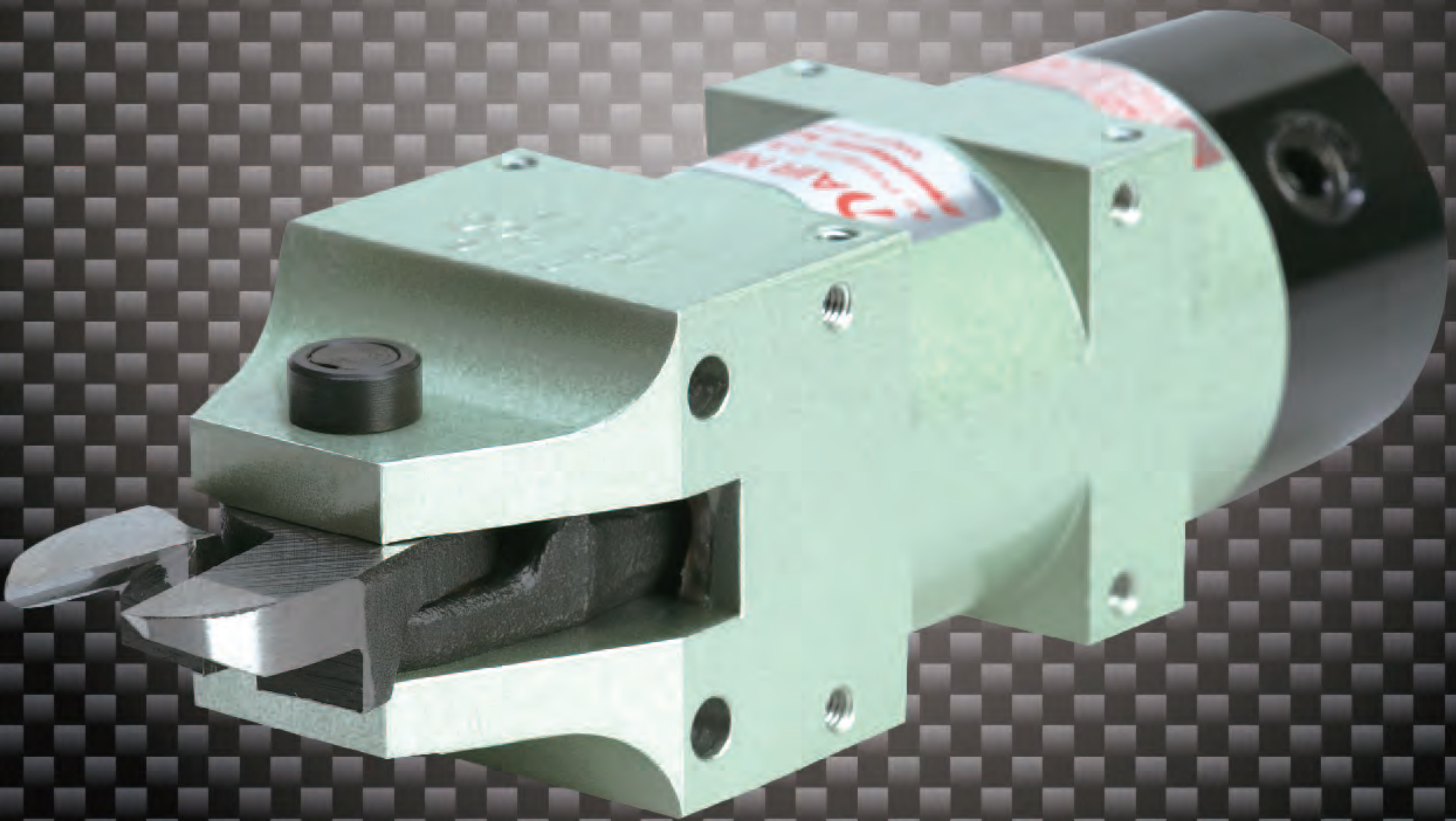
#### EP, Y Type





nile air tools

# SQUARE AIR NIPPERS



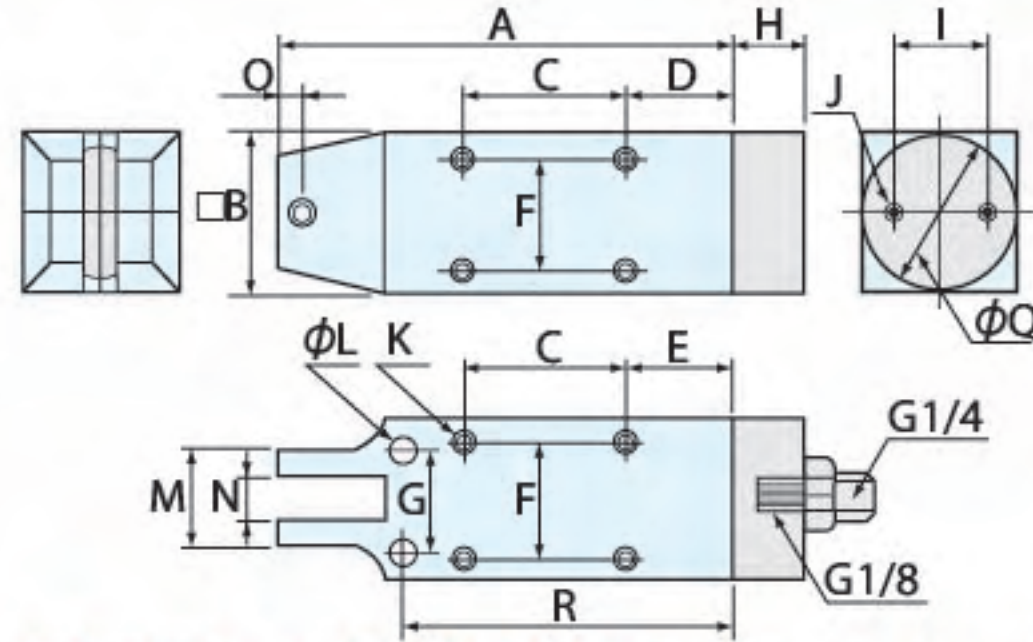
# SQUARE AIR NIPPERS

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

## MACHINE-FITTING TYPE



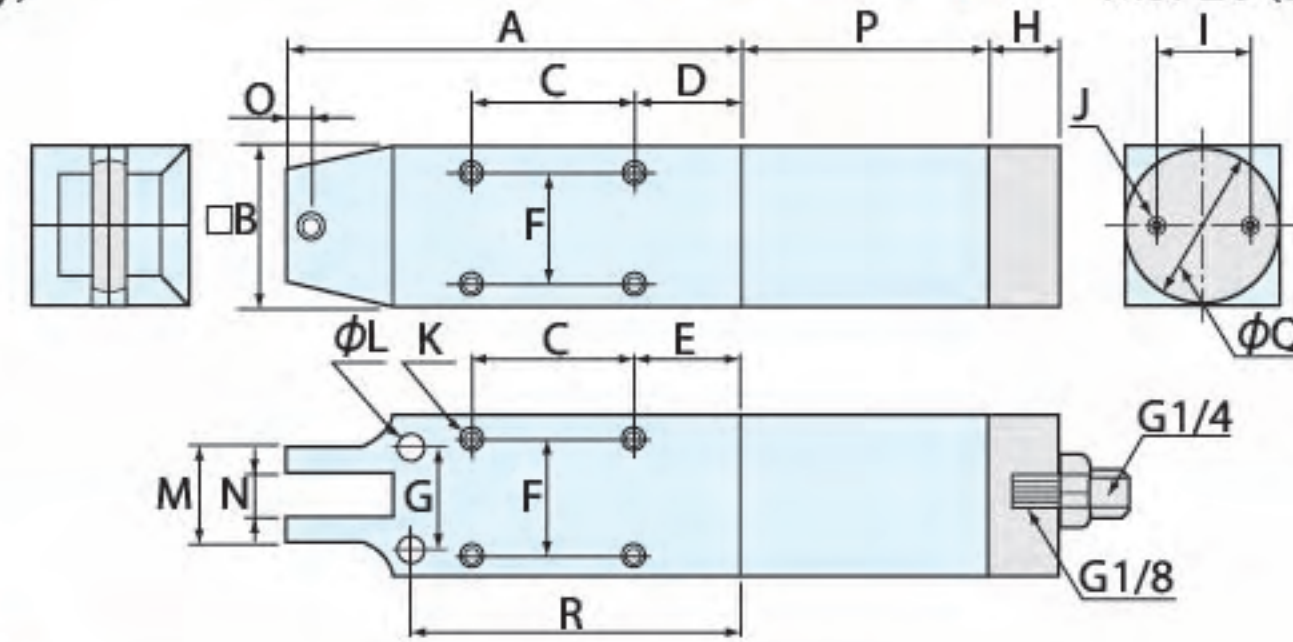
MS10 (Blade sold separately)



## MACHINE-FITTING TYPE



MSP20 (Blade sold separately)



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

Model (less blade)	Weight (g)	Air consumption (cm <sup>3</sup> /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
<b>MS3</b>	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
<b>MS5</b>	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
<b>MS10</b>	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
<b>MS20</b>	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
<b>MS30</b>	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
<b>MS50</b>	1,620	1,285	0.5~0.6	G1/8	200	75	80	40	50	62	-	24	-	M8	-	43	25	15	-	74.5	-	
<b>MS50F</b>	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 <sup>3</sup> /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
<b>MSP3</b>	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
<b>MSP5</b>	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
<b>MSP10</b>	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
<b>MSP20</b>	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
<b>MSP30</b>	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
<b>MSP50</b>	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	
							Soft	Hard
<b>MS3</b>	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	-
<b>MS5</b>	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	-
<b>MS10</b>	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	-	-	-	-	-	-	-
<b>MS20</b>	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	-	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.0	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	7.0	5.0
	Y6, K6	-	-	-	-	-	-	-
<b>MS30</b>	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
	Y8P, K8P	-	-	-	-	-	-	-
	SH8P	-	-	-	-	-	-	-
	A8P-1.25, A8P-2.0	-	-	-	-	1.25/2.0	-	-
	AR8P-1.25, AR8P-2.0	-	-	-	-	1.25/2.0	-	-
<b>MS50</b>	S120, S120S, P120, CR120, EP120	5.5	4.5	3.5	-	-	-	-
	Z120*, Z120S, ZCR120, ZEP120	5.5	4.5	3.5	1.6	-	-	-
	Y120	-	-	-	-	-	-	-
<b>MS50F</b>	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	
							Soft	Hard
<b>MSP3</b>	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	-
<b>MSP5</b>	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	-
<b>MSP10</b>	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	-	-	-	-	-	-	-
<b>MSP20</b>	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	-	-	-	-	-
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.0	1.0	-	-	-
	F5, F5S, FD5, F5LS, FEP6, FEP6L	-	-	-	-	-	7.0	5.0
	Y6, K6	-	-	-	-	-	-	-
<b>MSP30</b>	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	6.5
	FEP10P	-	-	-	-	-	8.0	6.5
	Y8P, K8P	-	-	-	-	-	-	-
	SH8P	-	-	-	-	-	-	-
	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	-	-
<b>MSP50</b>	S120, S120S, P120, CR120, EP120	7.0	6.0	4.3	-	-	-	-
	Z120*, Z120S, ZCR120, ZEP120	7.0	6.0	4.3	2.0	-	-	-
	F120	-	-	-	-	-	11.0	8.0
	Y120	-	-	-	-	-	-	-

# SQUARE AIR NIPPERS

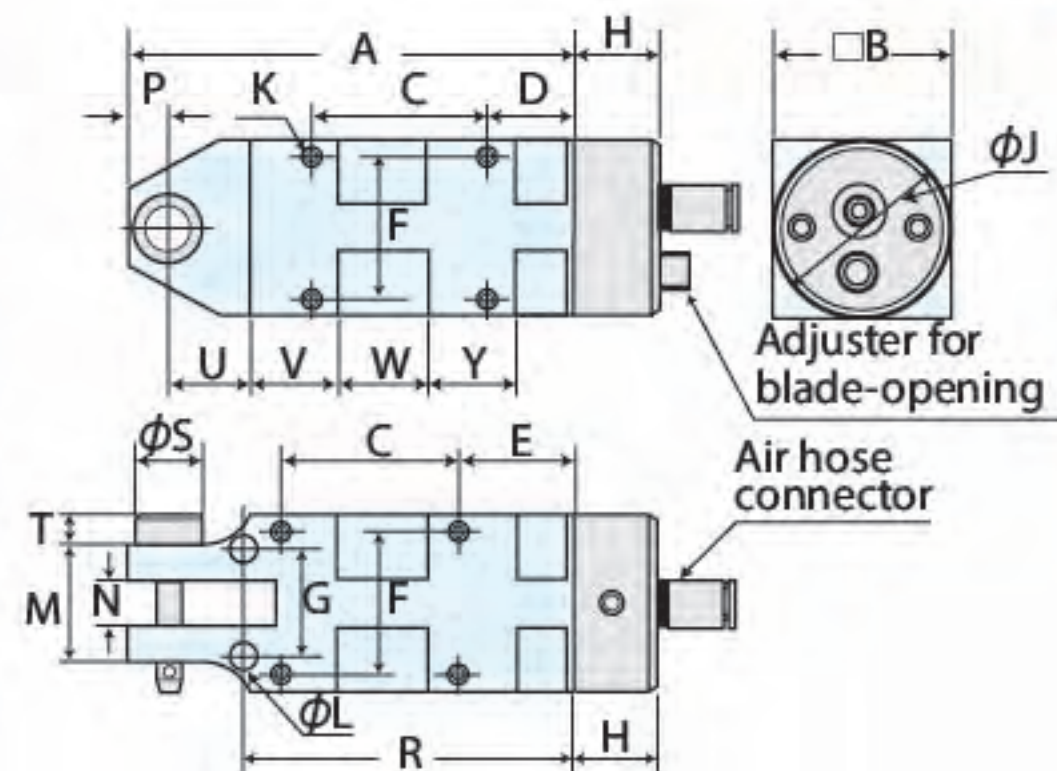
The square main body has numerous holes for setting bolts.  
No tool is needed for blade replacement.

## MACHINE-FITTING TYPE

### MS-G Type Standard

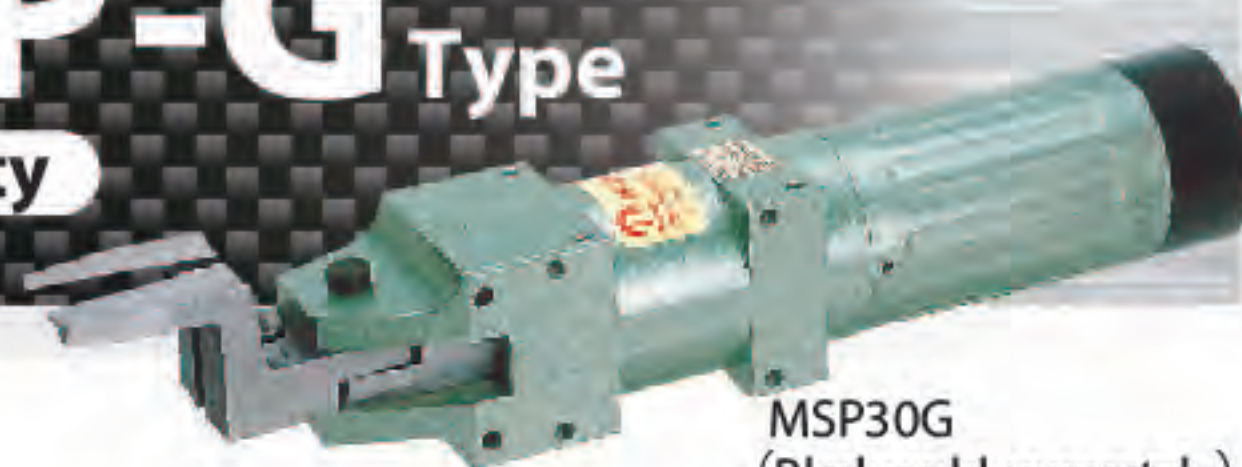


MS30G  
(Blade sold separately)

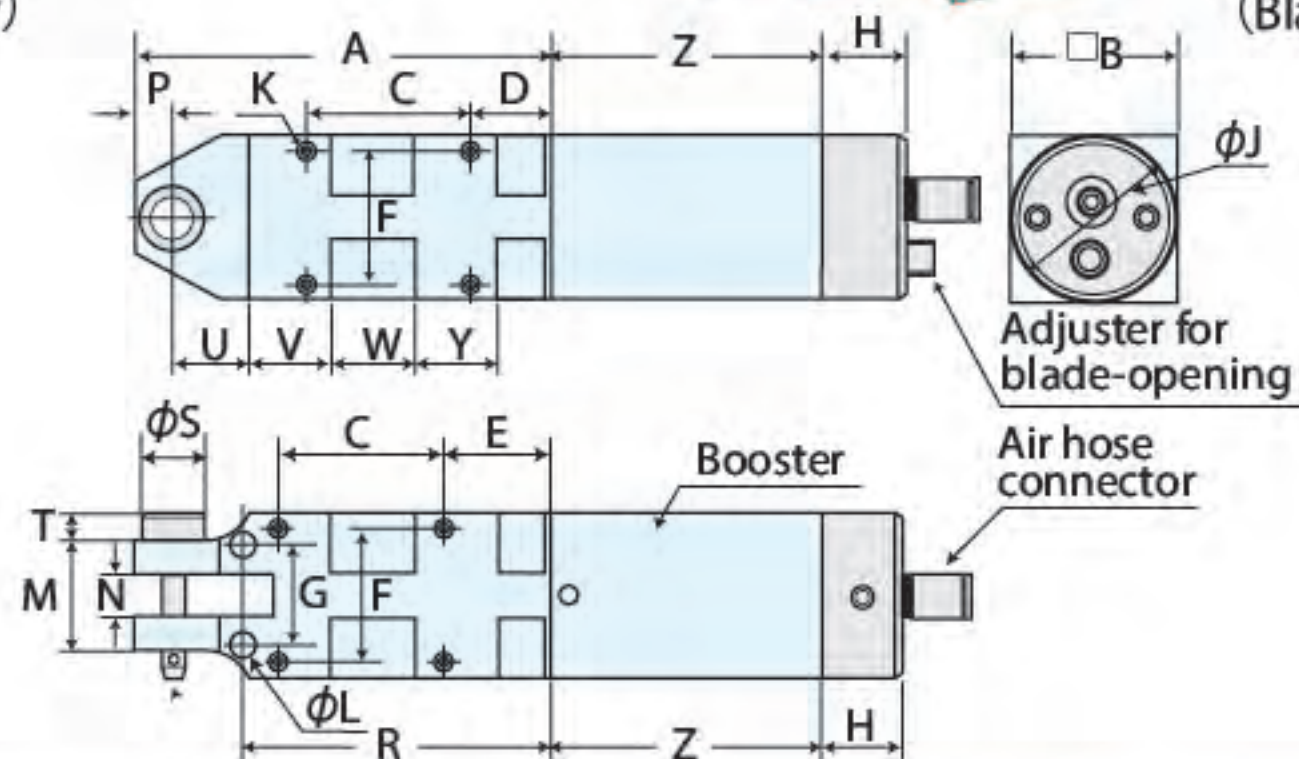


## MACHINE-FITTING TYPE

### MSP-G Type Heavy-duty



MSP30G  
(Blade sold separately)



### MS-G type specification

Model (less blade)	Weight (g)	Airconsumption (cm³/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	M5P=0.8	Outer diameter φ4	89	20	40	19	24	16	14	12	20	M3	3.3	20	7	7	71	11	5	3	25	25	15	-
MS5G	141	56	0.4~0.5	M5P=0.8	Outer diameter φ4	74	30	30	14	19	24	18	15	30	M3	4.3	20	7	7	54	11	5	13	15	15	15	-
MS10G	254	105	0.4~0.5	G1/8	Outer diameter φ6	93	36	30	18	23	28	28	24	36	M4	4.3	23	9	7	65	11	5	16	27	15	15	-
MS10AG	248	122	0.5~0.6	G1/8	Outer diameter φ6	93	36	30	18	23	28	28	24	36	M4	4.3	26	12	7	65	11	5	16	27	15	15	-
MS20G	425	268	0.5~0.6	G1/8	Outer diameter φ6	109	45	40	19	24	36	30	27	45	M4	5.3	26	12	9	81	11	5	15	31	25	15	-
MS30G	788	631	0.5~0.6	G1/8	Outer diameter φ6	150	56	60	20	30	46	40	27	56	M5	5.3	36	17	15	110	12	5	20	41	38	22	-

### MSP-G type specification

Model (less blade)	Weight (g)	Airconsumption (cm³/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	M5P=0.8	Outer diameter φ4	89	20	40	19	24	16	14	12	20	M3	3.3	20	7	7	71	11	5	3	25	25	15	61
MSP5G	205	94	0.3~0.4	M5P=0.8	Outer diameter φ4	74	30	30	14	19	24	18	15	30	M3	4.3	20	7	7	54	11	5	13	15	15	15	50
MSP10G	369	174	0.3~0.4	G1/8	Outer diameter φ6	93	36	30	18	23	28	28	24	36	M4	4.3	23	9	7	65	11	5	16	27	15	15	71.5
MSP10AG	366	209	0.4~0.5	G1/8	Outer diameter φ6	93	36	30	18	23	28	28	24	36	M4	4.3	26	12	7	65	11	5	16	27	15	15	71.5
MSP20G	648	373	0.4~0.5	G1/8	Outer diameter φ6	109	45	40	19	24	36	30	27	45	M4	5.3	26	12	9	81	11	5	15	31	25	15	87
MSP30G	1,115	1,146	0.5~0.6	G1/8	Outer diameter φ6	150	56	60	20	30	46	40	27	56	M5	5.3	36	17	15	110	12	5	20	41	38	22	92

#### Shapes & Dimensions of Standard Blades 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 (φmm)	
							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	2.6
MS10AG	Y4	-	-	-	-	-	-	-
	S5A, S5AS, 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	2.6
	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	5.0
	Y6, K6	-	-	-	-	-	-	-
MS30G	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	-	-	-	-
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	-	-	-
	F9P, F9PS, FD9P	-	-	-	-	-	10.0	6.5
	FEP10P	-	-	-	-	-	8.0	6.5
	Y8P, K8P	-	-	-	-	-	-	-
	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 (φmm)	
							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	2.6
MSP10AG	Y4	-	-	-	-	-	-	-
	S5A, S5AS, 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	2.6
	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	5.0
	Y6, K6	-	-	-	-	-	-	-
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	6.5
	FEP10P	-	-	-	-	-	8.0	6.5
	Y8P, K8P	-	-	-	-	-	-	-
	SH8P	-	-	-	-	-	-	-
MSP30G	A8P-1.25/2.0/5.5, A8WP-1.25-2.0/2.0-5.5	-	-	-	-	1.25/2.0/5.5	-	-
	AR8P-1.25/2.0/5.5, AR8WP-1.25-2.0/2.0-5.5	-	-	-	-	1.25/2.0/5.5	-	-

# SQUARE AIR NIPPERS

## MACHINE-FITTING TYPE

### WS Type



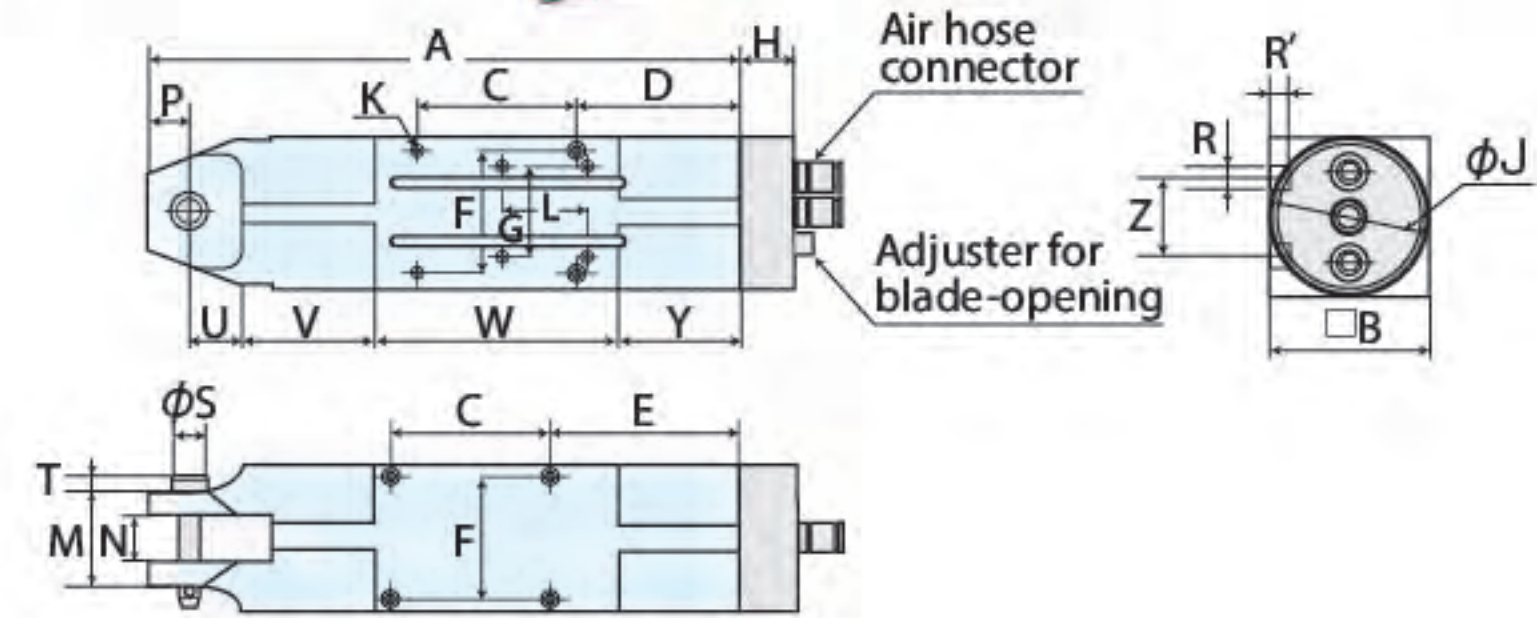
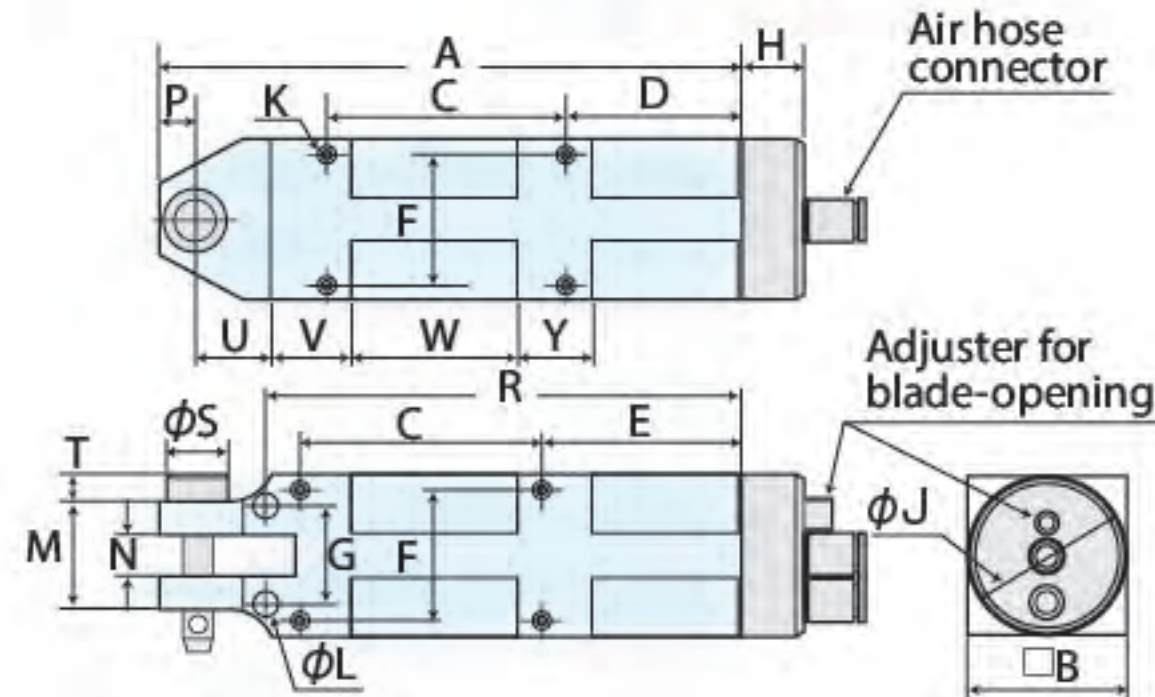
WS20  
(Blade sold separately)

## MACHINE-FITTING TYPE

### WS-S Type



WS30S  
(Blade sold separately)



### WS type specification

Model (less blade)	Weight (g)	Air consumption (cm <sup>3</sup> /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	M5P=0.8	Outer diameter $\phi 4$	107	20	43	34	39	16	14	6	20	M3	3.3	20	7	7	89	11	5	3	24	30	13
WS5	179	71	0.4~0.5	M5P=0.8	Outer diameter $\phi 4$	104	30	43	31	36	24	18	11	30	M3	4.3	20	7	7	84	11	5	13	14	30	13
WS10	309	179	0.4~0.5	G1/8	Outer diameter $\phi 6$	142	36	55	42	47	28	28	18	36	M4	4.3	23	9	7	114	11	5	16	27	40	15
WS20	537	516	0.5~0.6	G1/8	Outer diameter $\phi 6$	170	45	55	65	70	36	30	18	45	M4	5.3	26	12	9	142	11	5	15	31	40	20

### WS-S type specification

Model (less blade)	Weight (g)	Air consumption (cm <sup>3</sup> /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	Outer diameter $\phi 6$	170	45	40	65	70	36	34	18	45	M4	32	26	12	4	4.2	11	5	15	31	80	35	20.6
WS30S	1,250	464	0.5~0.6	G1/8	Outer diameter $\phi 6$	223	56	60	62	72	46	34	21	56	M5	32	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

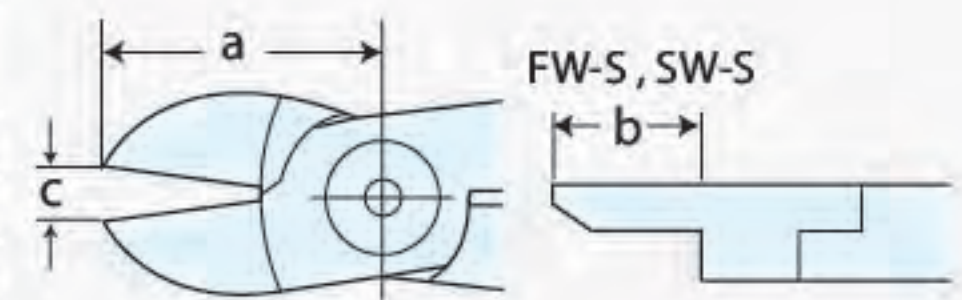
Designed to meet your particular application. Samples of actual work pieces are required - inquire for designing and quoting.

★ Blade sold separately

### WS type Blade cutting capacity

Model	Blade	Cutting capacity (mm)		
		Copper wire	Steel wire	Plastic
WS3	FW10S	-	-	1.0
	SW20S	0.8	0.4	-
WS5	FW1S	-	-	2.0
	SW2S	1.0	0.5	-
WS10	FW3S	-	-	4.0
	SW4S	1.6	1.0	-
WS20	FW5S	-	-	7.0
	SW5S	2.6	2.0	-

Blade	Cutting capacity (mm)		
	a	b	c
FW10S	24	12	2.5~3.0
FW1S	24	12	3.0~3.5
FW3S	27	13	5.0~5.5
FW5S	35	17	8.0~8.5
SW20S	24	12	2.5~3.0
SW2S	24	12	3.0~3.5
SW4S	27	13	5.0~5.5
SW5S	35	17	8.0~8.5



### Shapes & Dimensions of Standard Blades pp.5-10

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

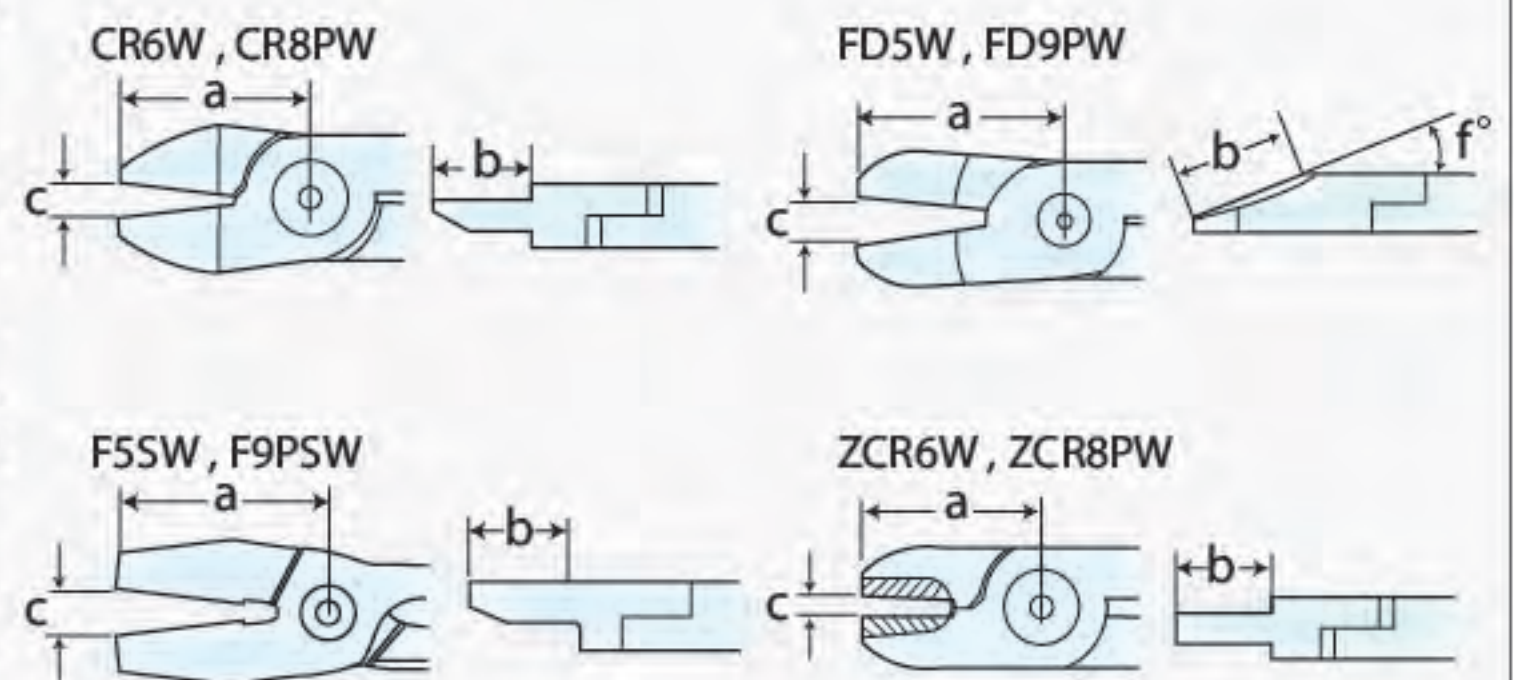
Designed to meet your particular application. Samples of actual work pieces are required o inquiry for designing and quoting.

★ Blade sold separately

### WS-S type Blade cutting capacity

Model	Blade	Cutting capacity (mm)		
		Copper wire	Steel wire	Plastic
WS20S	CR6W	2.6	2.0	-
	FD5W	-	-	7.0
	F5SW	-	-	7.0
	ZCR6W	2.6	2.0	-
WS30S	CR8PW	3.3	2.8	-
	FD9PW	-	-	10.0
	F9PSW	-	-	10.0
	ZCR8PW	3.3	2.8	-

Blade	Cutting capacity (mm)			
	a	b	c	f°
CR6W	34	17	7~8	-
FD5W	35	14	8~9	40
F5SW	35	16	8~9	-
ZCR6W	35	16	7~8	-
F5SW, F9PSW	66	37	13.5~14.5	-
CR8PW	43	22	7~8	-
FD9PW	59	30	12.5	30
F9PSW	66	37	13.5~14.5	-
ZCR8PW	38	17	7.0	-

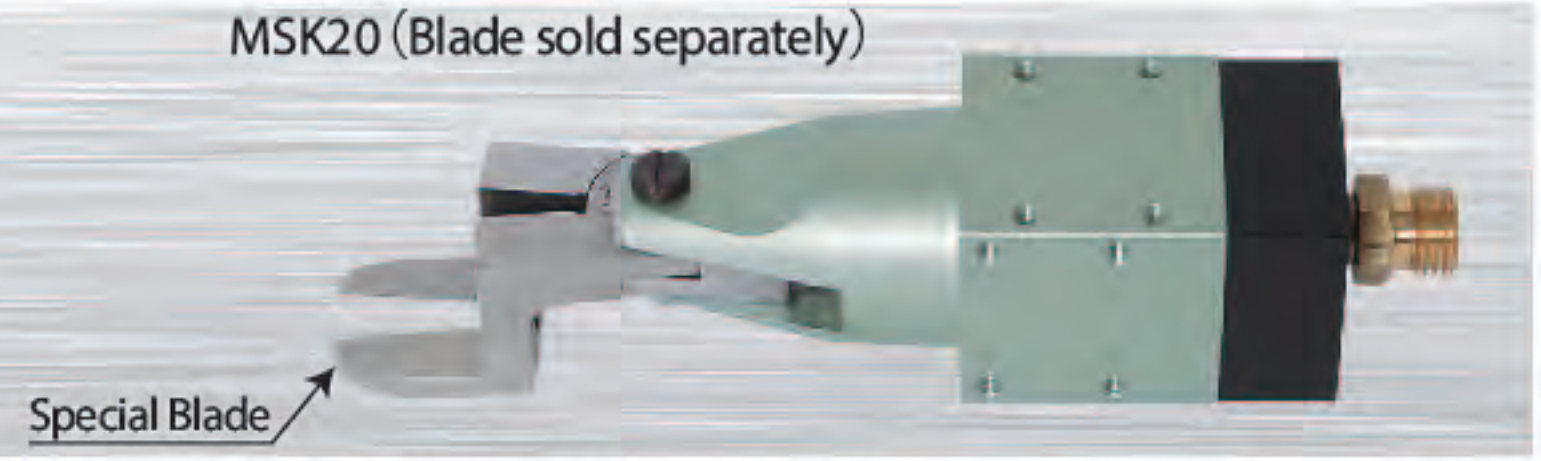


# SQUARE AIR NIPPERS

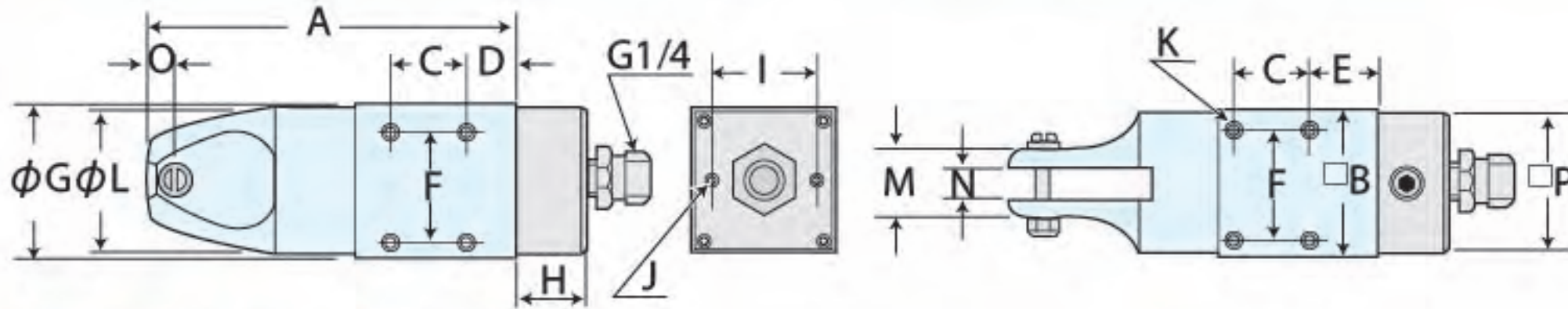
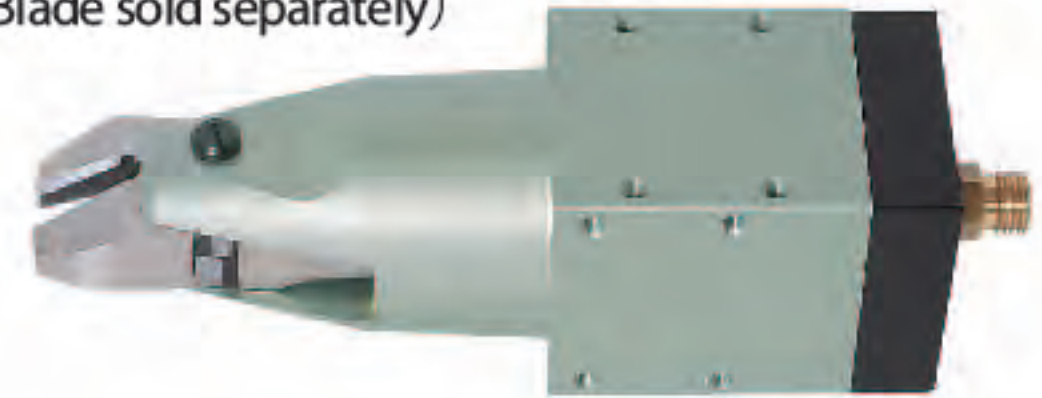
## MACHINE-FITTING TYPE

### MSK Type

MSK20 (Blade sold separately)



MSK30 (Blade sold separately)



### MSK type specification

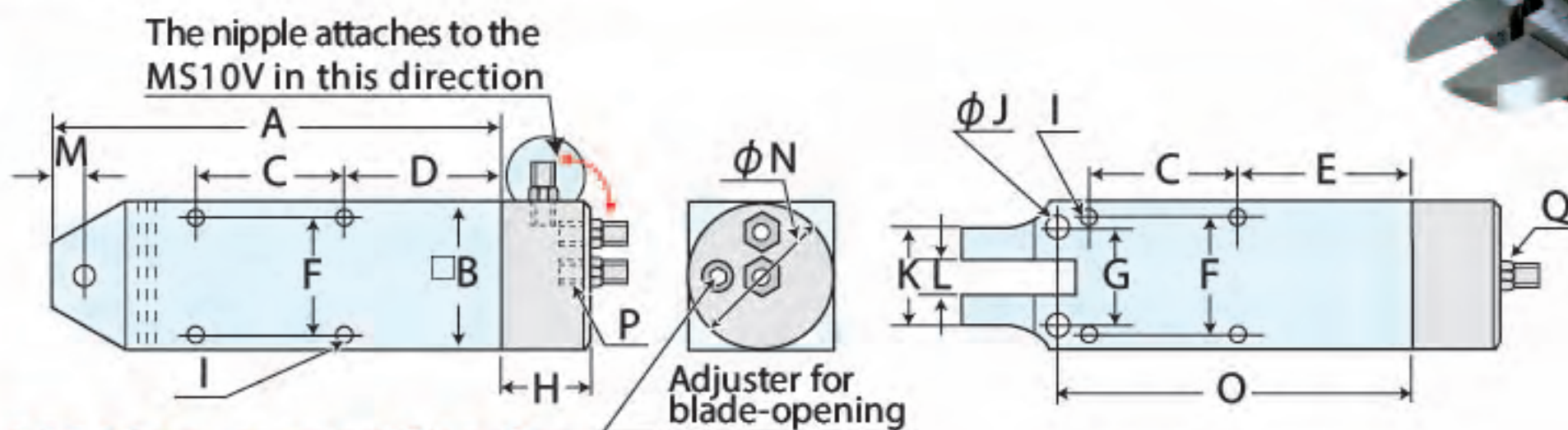
Model (less blade)	Weight (g)	Airconsumption (cm <sup>3</sup> /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)															
				Hose coupling	Body Internal thread	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
MSK10	190	105	0.4~0.5	G1/8	G1/4	87	36	18	10	15	28	35	17	24	M4	M4	33	18	9	7	35
MSK20	340	270	0.5~0.6	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



MS20V (Blade sold separately)



### MS-V type specification

Model (less blade)	Weight (g)	Airconsumption (cm <sup>3</sup> /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
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		Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic		
							Soft	Hard								Soft	Hard	
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	-	-	-	-	
MS10V	F3, F3S, FD3, F3LS, FEP4, FEP4L	-	-	-	-	-	4.0	2.6	MS30V	F9P, F9PS, FD9P	-	-	-	-	-	10.0	6.5	
	Y4	-	-	-	-	-	-	-		FEP10P	-	-	-	-	-	-	8.0	6.5
MSK20	S5, S5S, P6, CR6, EP6, SD5	2.6	2.0	1.6	-	-	-	-	MS30V	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	MS30V	A8P-1.25, A8P-2.0	-	-	-	-	-	1.25/2.0	-	-
	Y6, K6	-	-	-	-	-	-	-		AR8P-1.25, AR8P-2.0	-	-	-	-	-	1.25/2.0	-	-



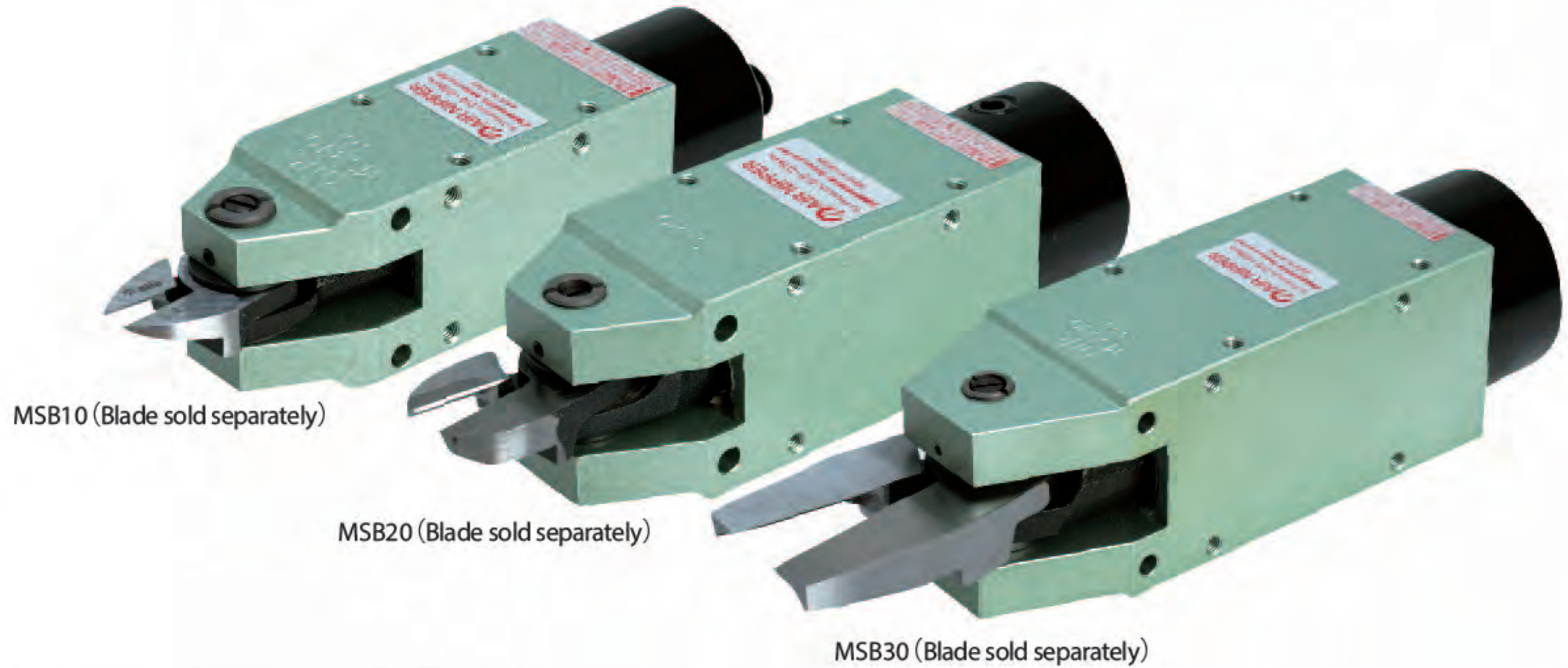
# SQUARE AIR NIPPERS

## MACHINE-FITTING TYPE

### MSB Type

A bearing is built into the back of the blade holder plate. It clamps the sliding surface (fulcrum) of the blade and reduces oscillation during cutting. High-precision cutting is realized.

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

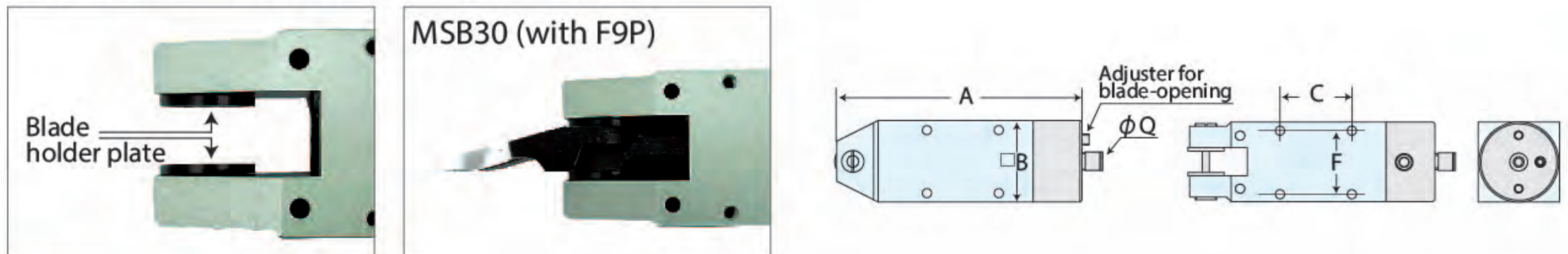


MSB10 (Blade sold separately)

MSB20 (Blade sold separately)

MSB30 (Blade sold separately)

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



### MSB type specification

Model (less blade)	Weight (g)	Air consumption (cm <sup>3</sup> /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 $\phi 6$	117	36	30	28	6
MSB20	487	268	0.5~0.6	G1/8	Outer diameter $\phi 6$	136	45	40	36	6
MSB30	925	631	0.5~0.6	G1/8	Outer diameter $\phi 6$	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 ( $\phi$ mm)		Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic ( $\phi$ mm)		
							Soft	Hard								Soft	Hard	
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	6.5
	Y4	-	-	-	-	-	-	-		FEP10P	-	-	-	-	-	-	8.0	6.5
MSB20	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	-	-	-	-	-	-	-	-	
	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



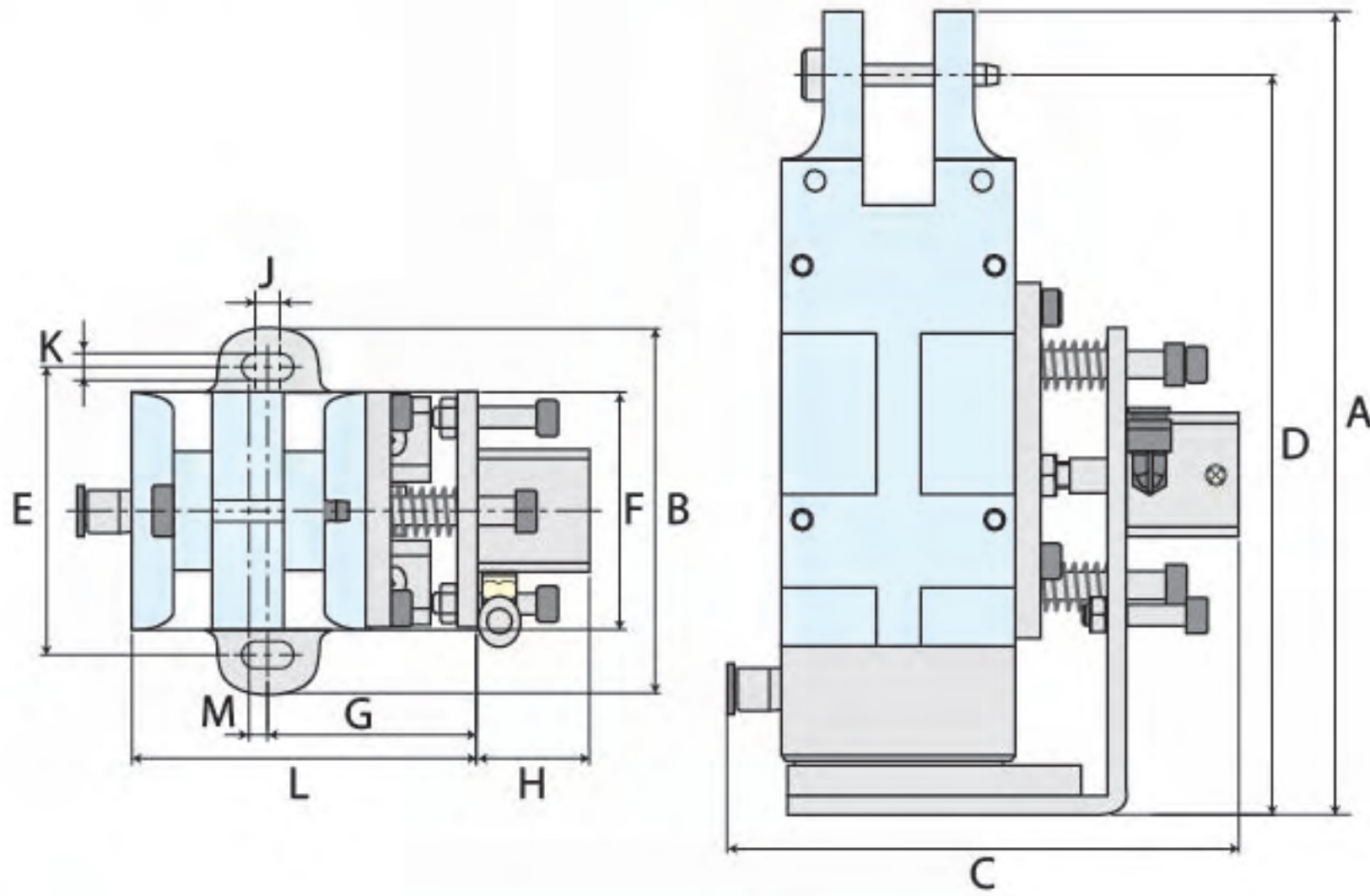
# VERTICAL TYPE AIR NIPPERS SLIDING AIR NIPPERS

## 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 <sup>3</sup> /stroke)	Air pressure (Main body) (MPa)	Air consumption (Cylinder) ※1)(cm <sup>3</sup> /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		Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic		
							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

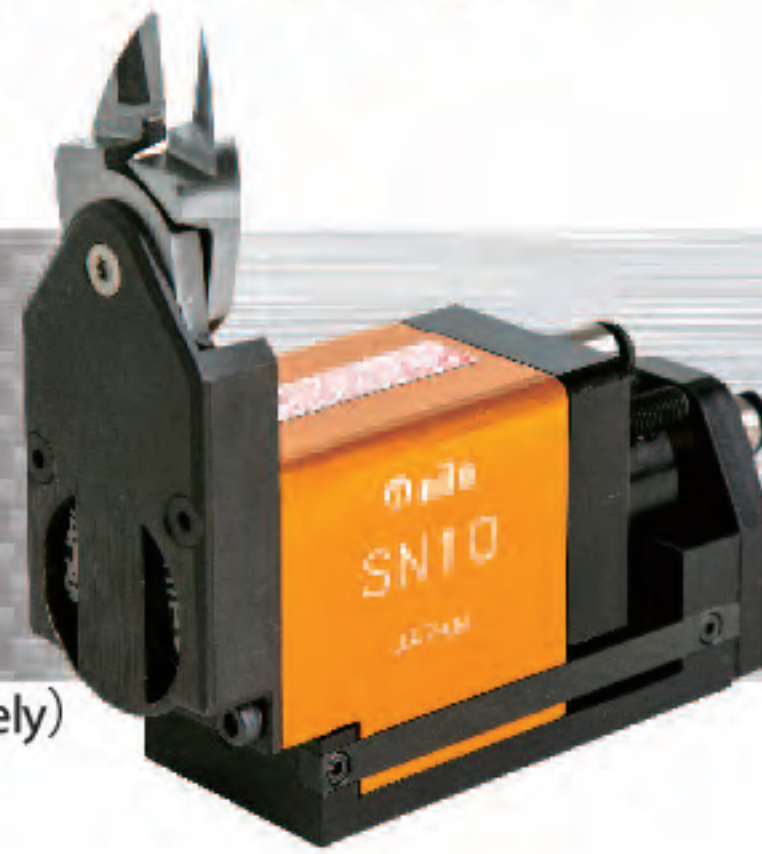


# SN TYPE SLIDING AIR NIPPERS

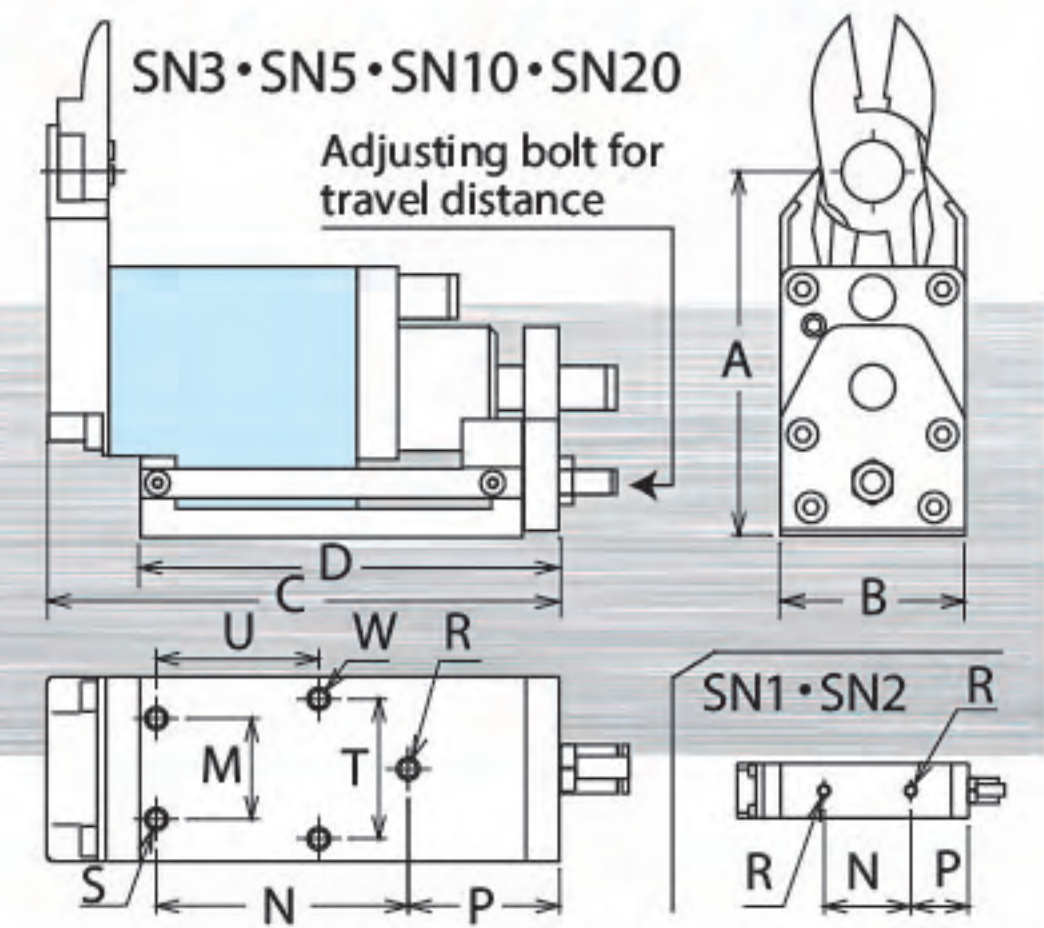
SN-series : Pull&Cut type SNP-series : Push&Cut type

## MACHINE-FITTING TYPE

**SN** Type  
Pull&Cut type



SN10 (Blade sold separately)



### SN type specification

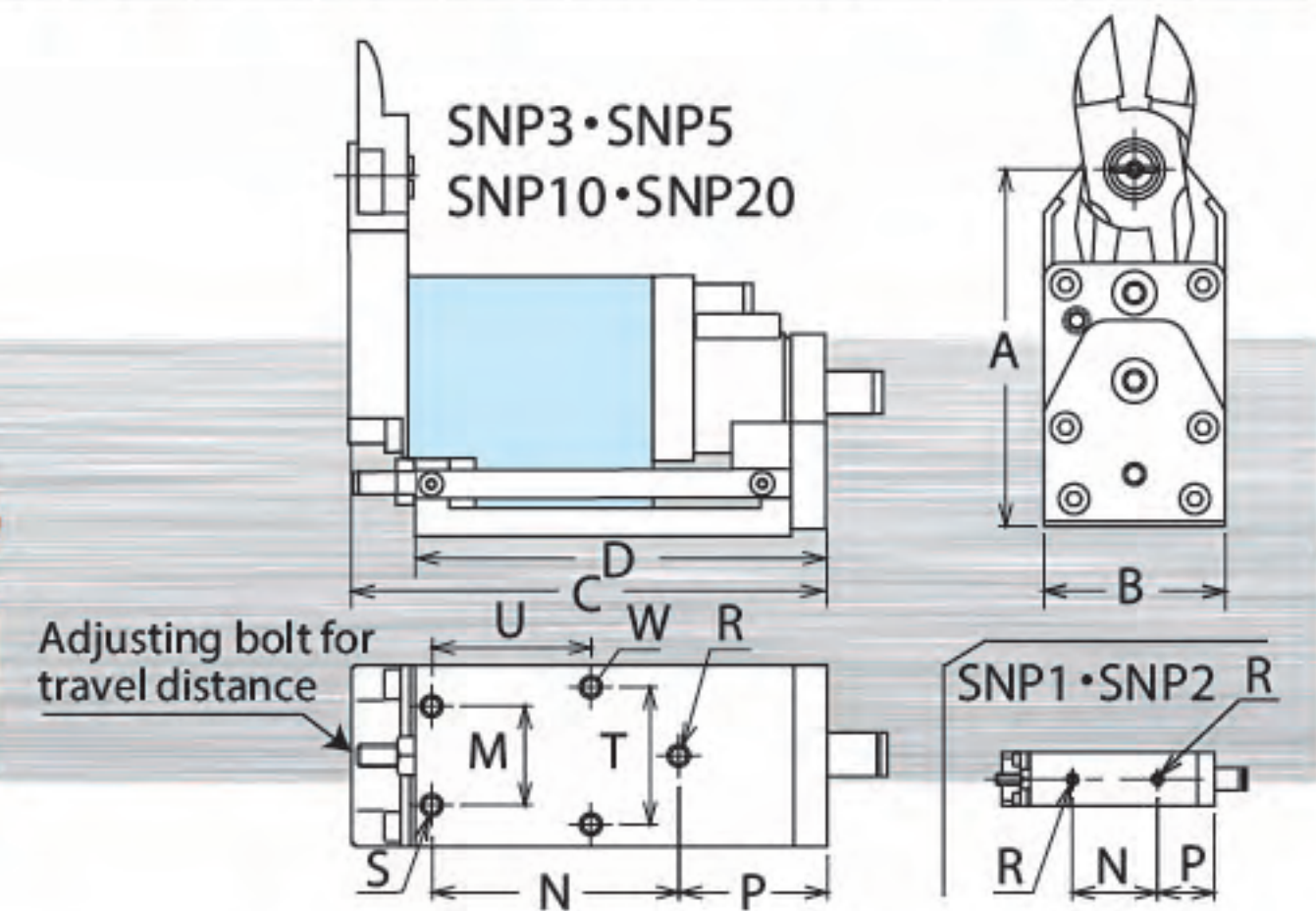
Model (less blade)	Weight (g)	Air consumption (cm <sup>3</sup> /stroke)	Air pressure (MPa)	Fitting size		Dimensions (mm)											
				Hose coupling	Body Internal thread	A	B	C	D	M	N	P	R	S	T	U	W
SN1	140	16	0.5	M5P=0.8	Outer diameter φ4	61	16.5	80	65	-	30	20	M4	-	-	-	-
SN2	160	21	0.5	M5P=0.8	Outer diameter 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 <sup>3</sup> /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.

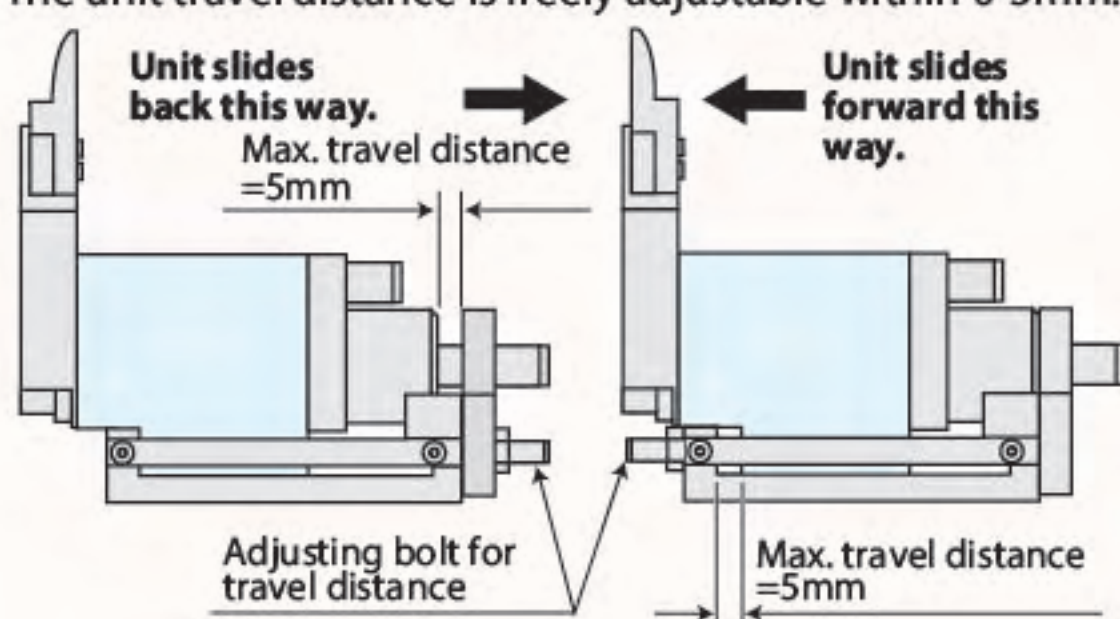
※2 Cutting capacity will vary depending on ambient temperature and molding conditions. ※3 During operation, the piston protrudes a few millimeters from the body.

★ Blade sold separately

## REMARKABLE FEATURES

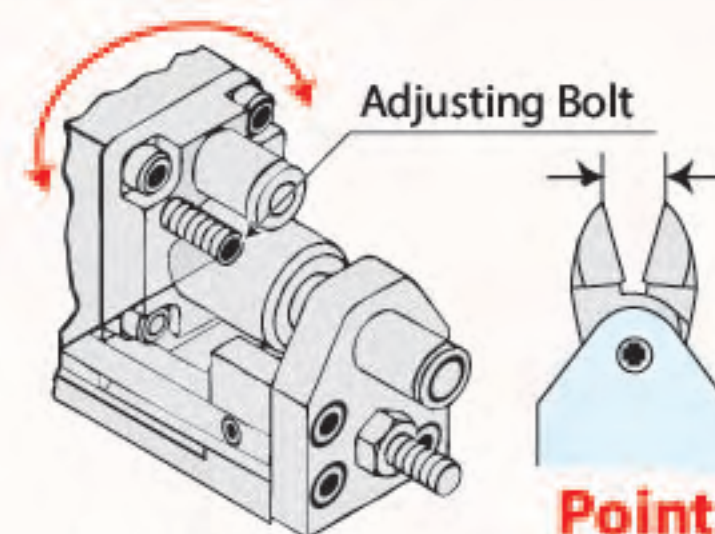
### Point 1

"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 2

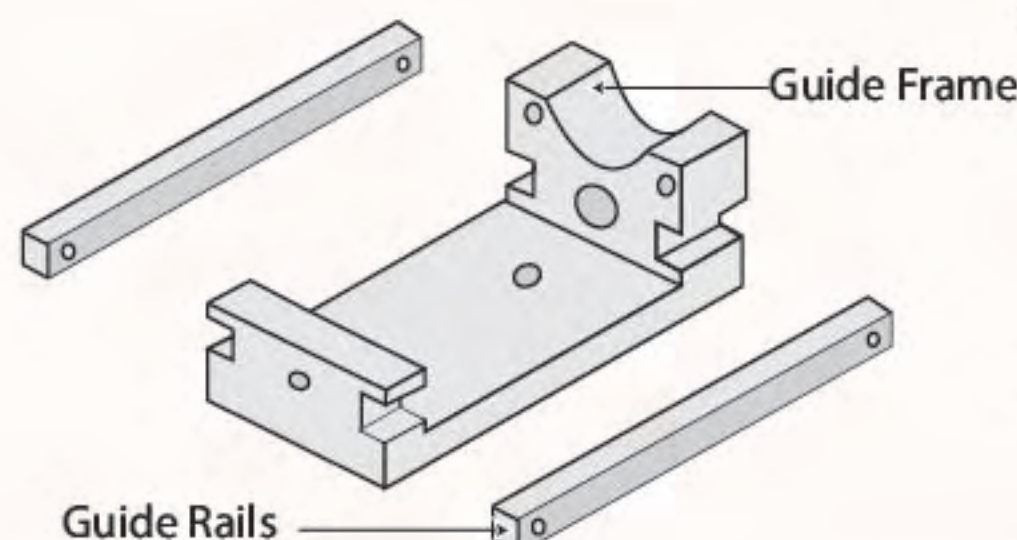
The blade opening is adjustable by turning the adjusting bolt.



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

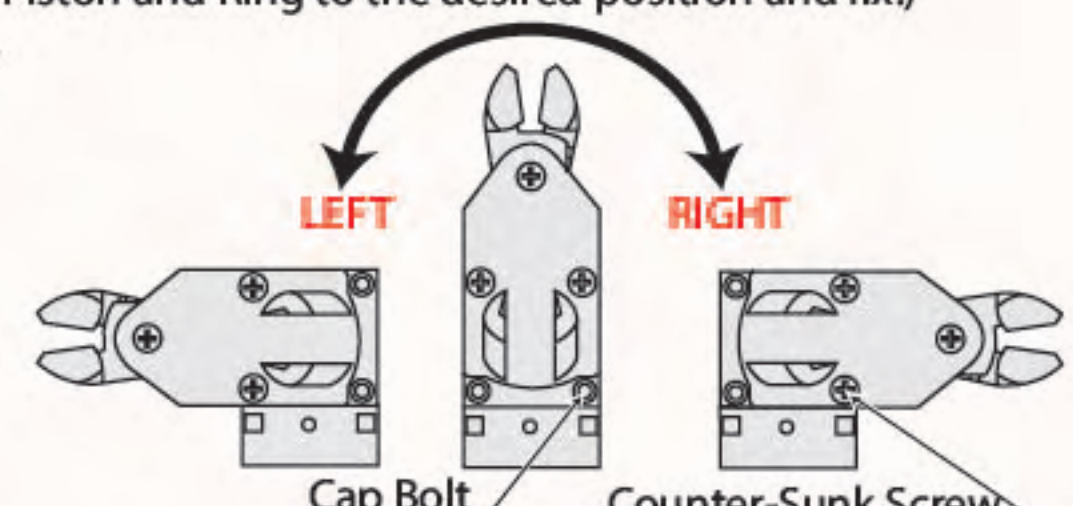
### Point 4

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.)



### Point 3

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

# SN TYPE SLIDING AIR NIPPERS

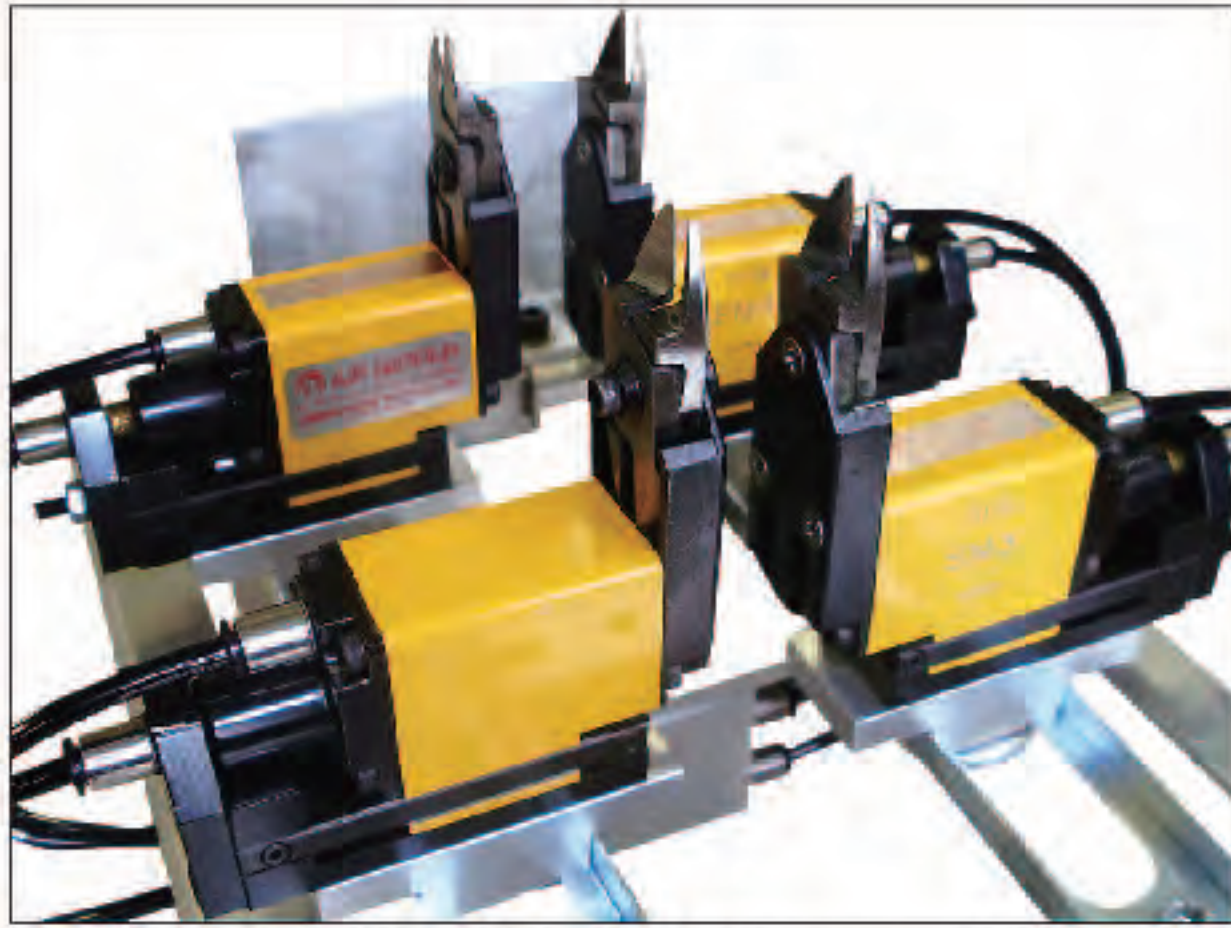
## Simplified blade replacement type

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

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




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




### Standard products


- 


1 The replacement blade cannot be replaced at it is

The space is too small to fit a wrench
- 

2 Remove the main unit from the installation point
- 

3 Blade replacement

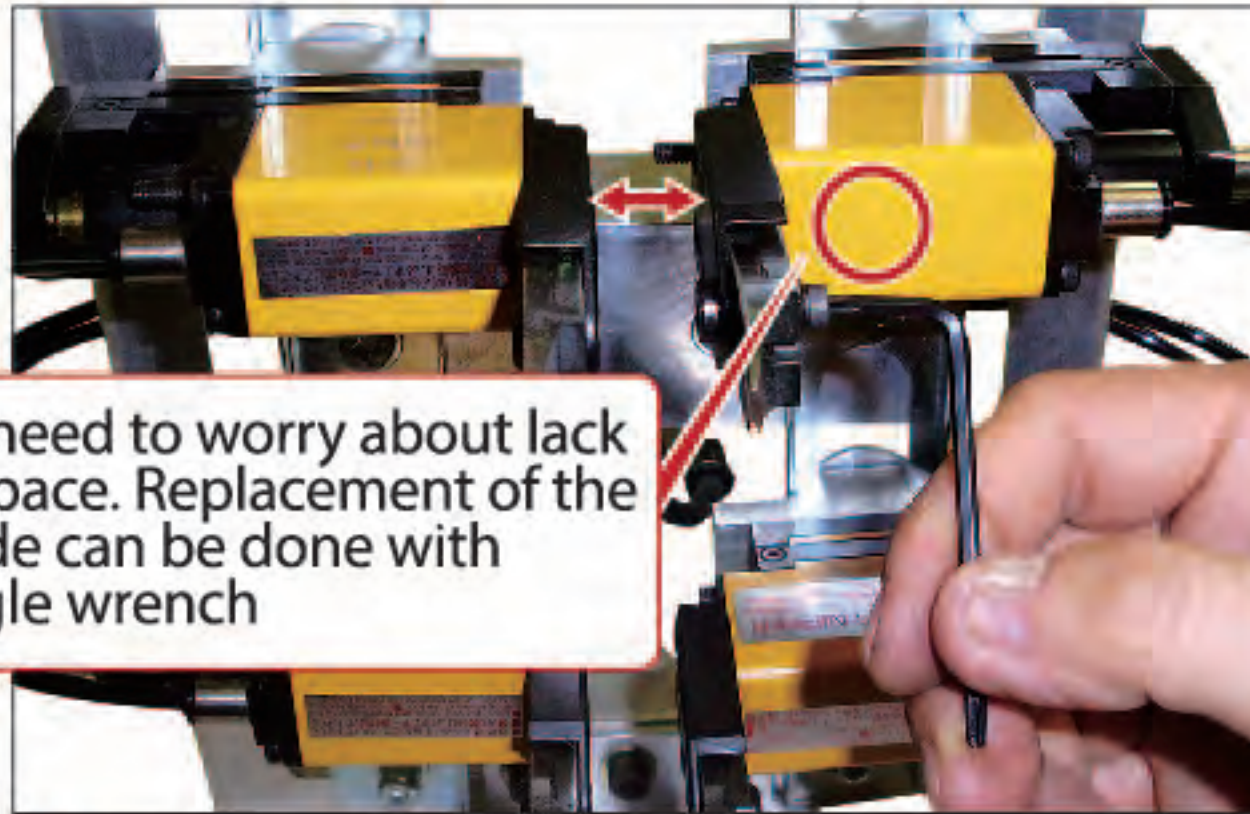
A screwdriver and wrench are required to replace the blade
- 

4 Return the main unit to its installed point
- 

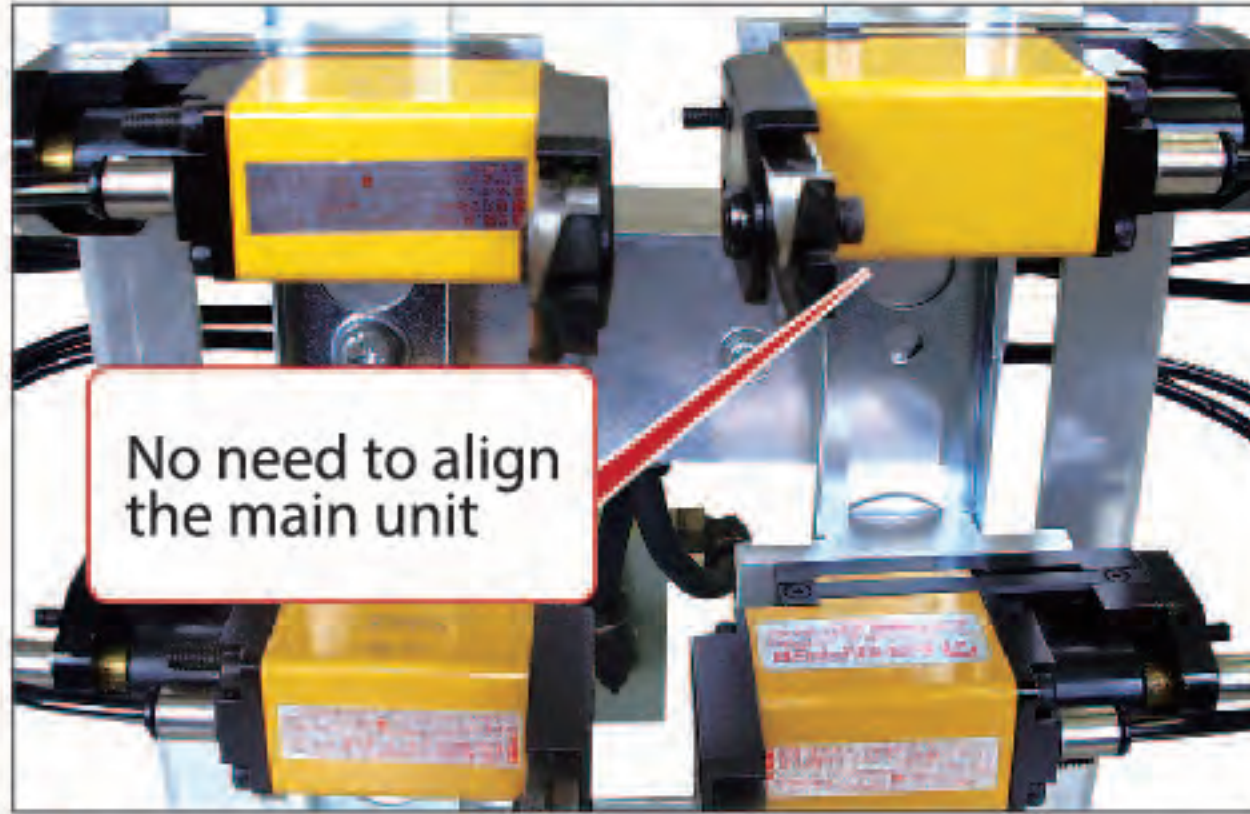
5 Adjust the position

Time-consuming to adjust to position the unit

### Simplified blade replacement type

- 

1 The replacement blade can be removed in this state

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

2 After replacing the blade, resume work as is. There is no need to reposition the blade

No need to align the main unit

※ 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

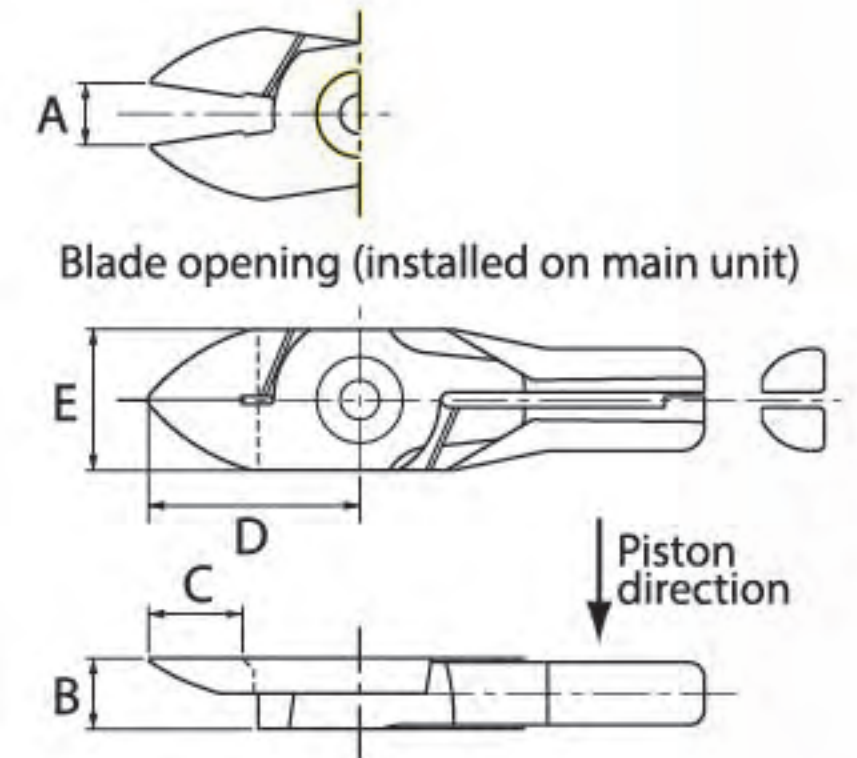
## STANDARD TYPE

# 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



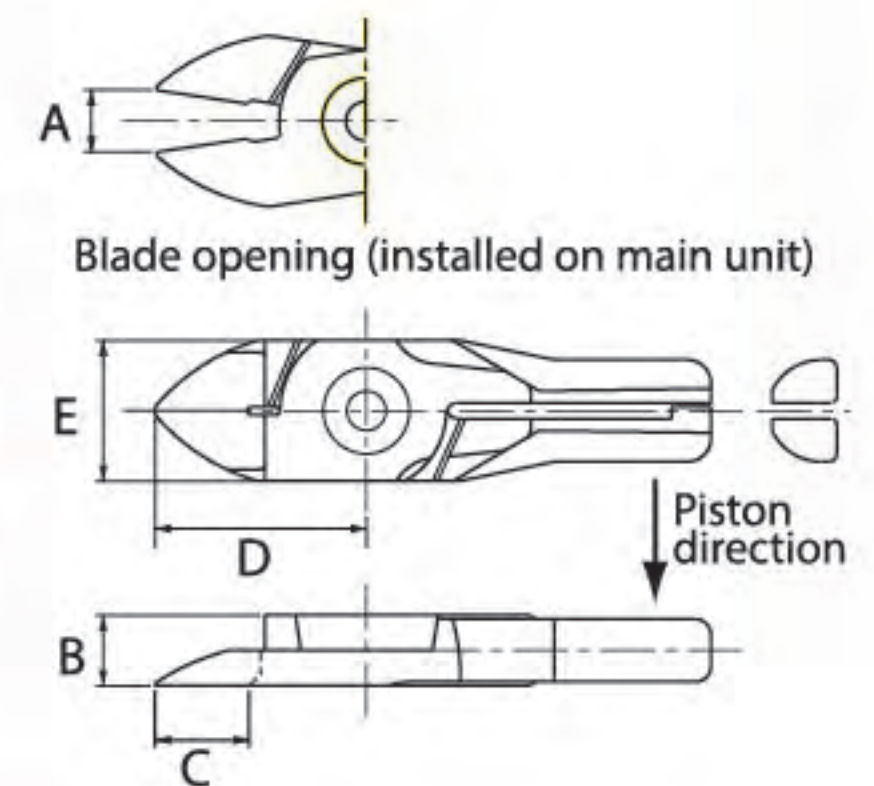
## STANDARD TYPE

# 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



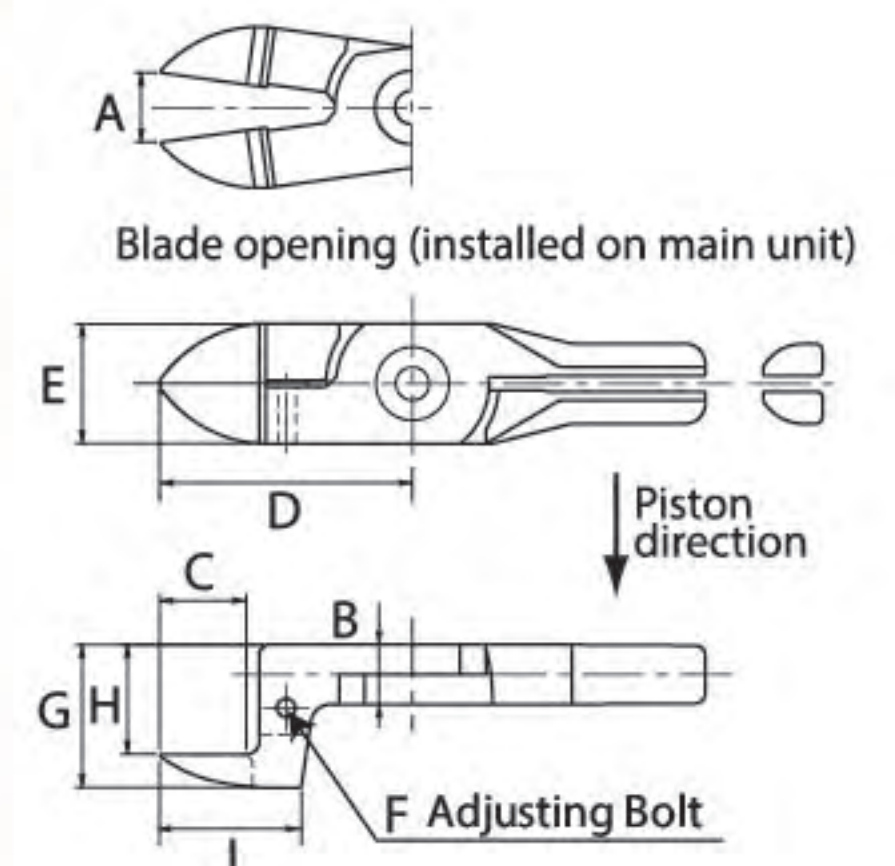
## CRANK TYPE

# 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



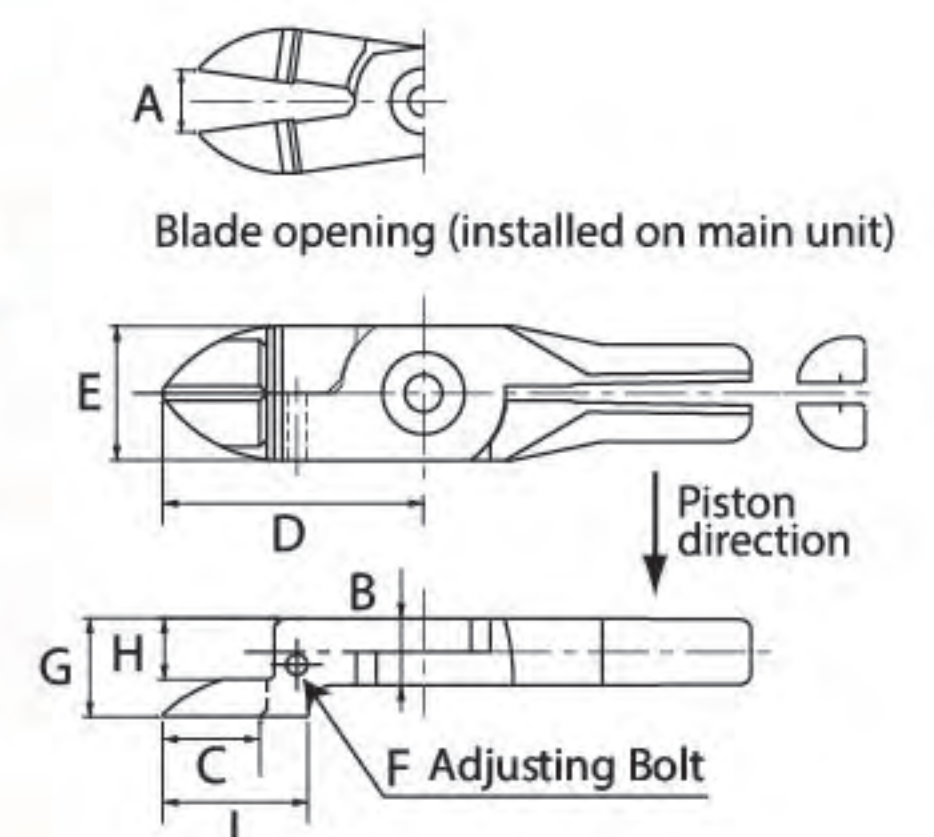
## CRANK TYPE

# 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

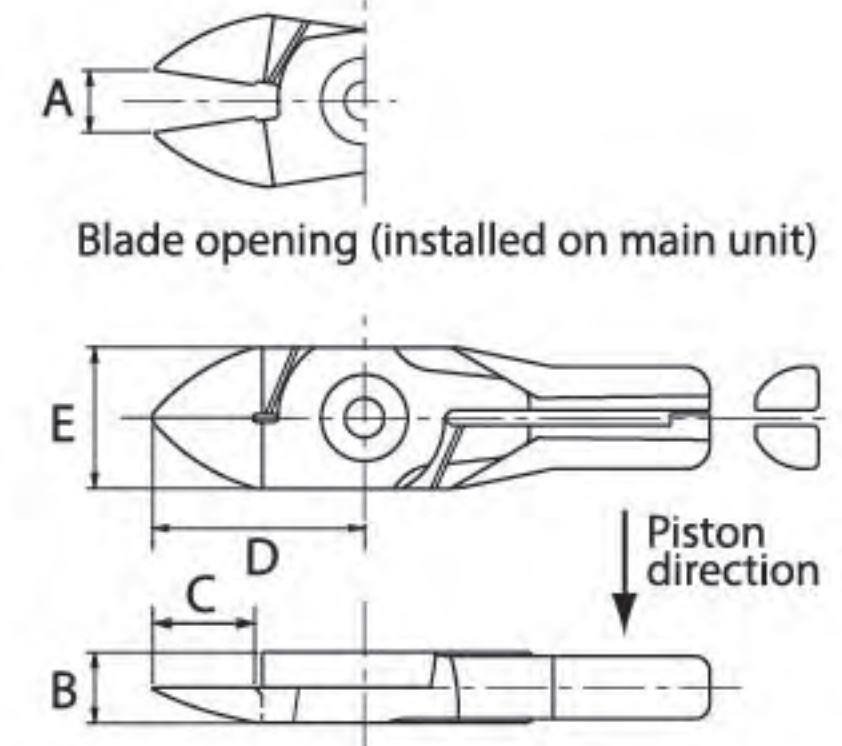
## CENTER TYPE

# 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



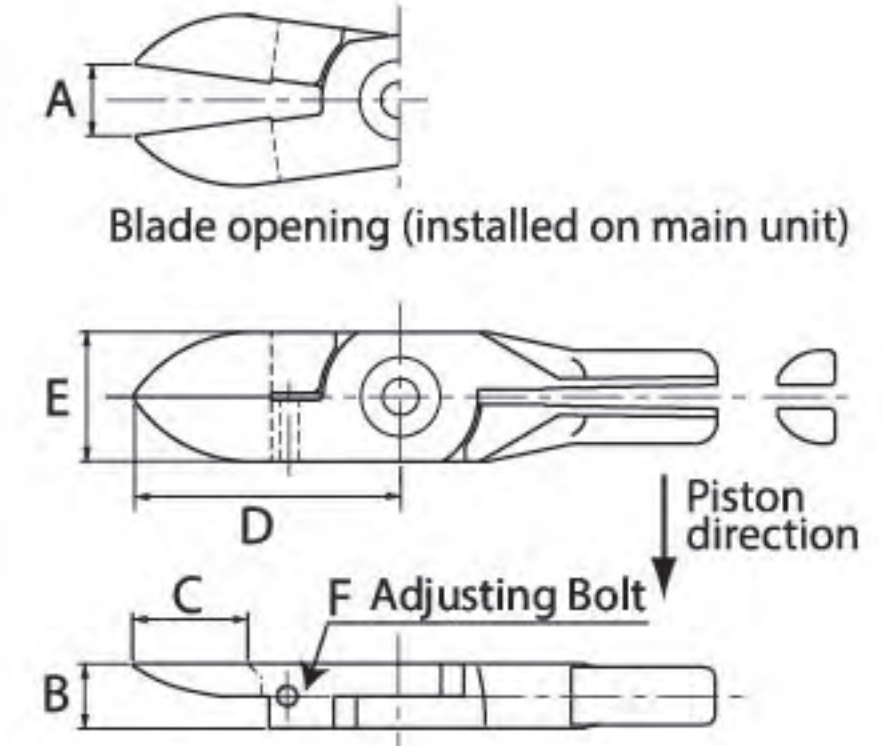
## LONG TYPE

# 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



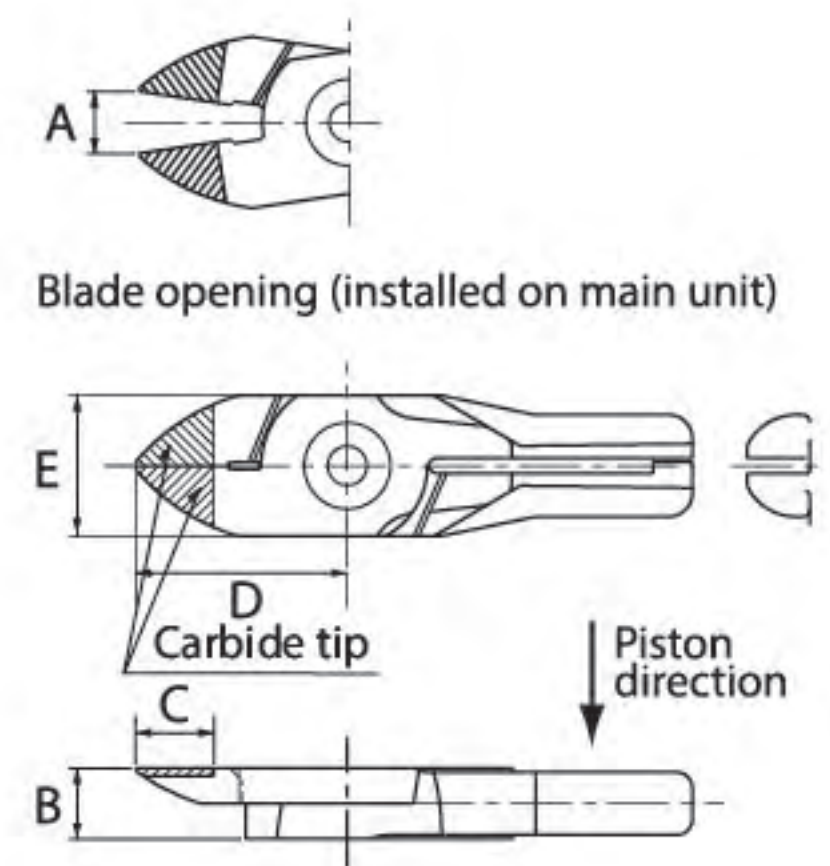
## CARBIDE TIPPED TYPE

# 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



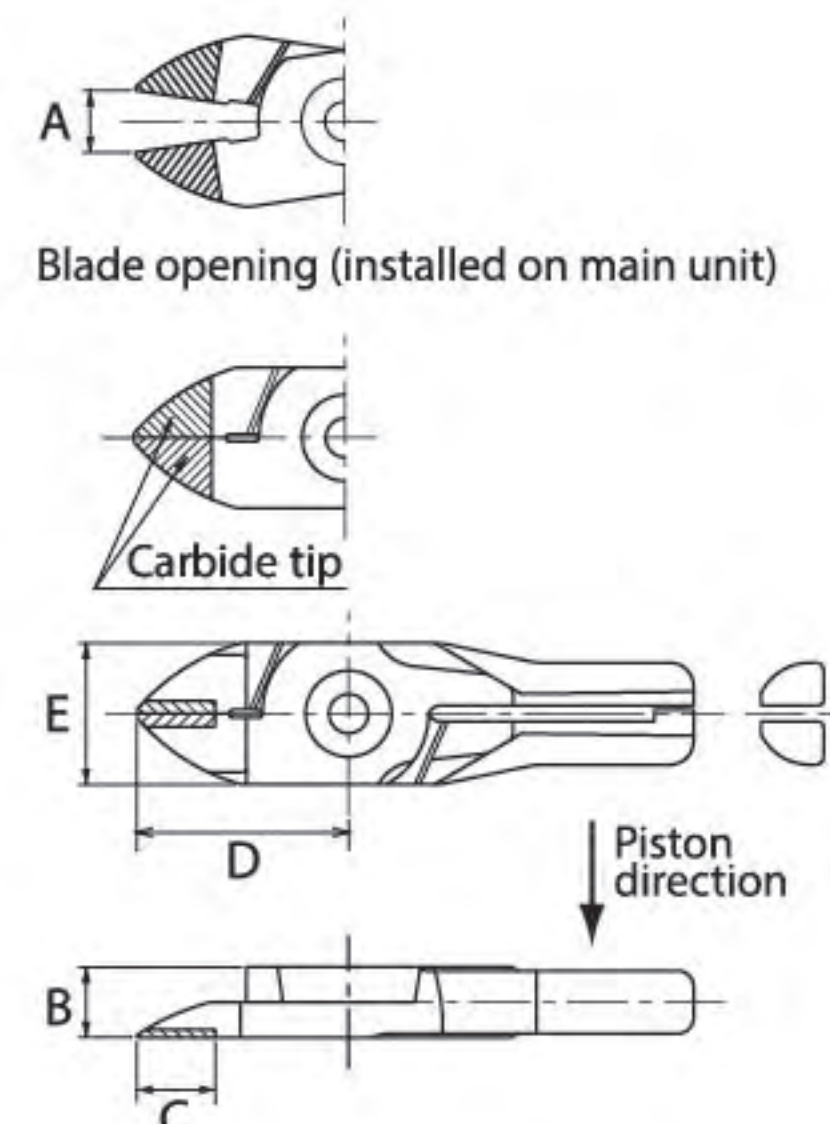
## CARBIDE TIPPED TYPE

# 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

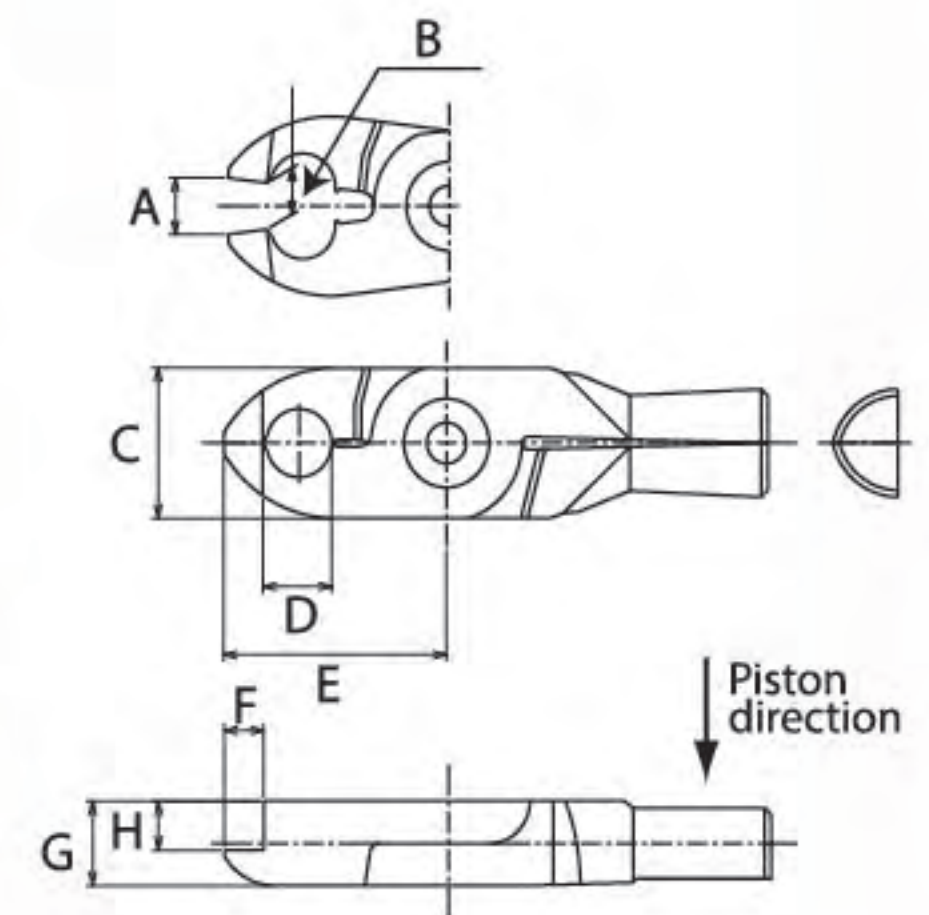
# FN-W

for SN series

✳ Built to order

Air Pressure : 0.5MPa

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



## TWO EDGE OF PUSH TYPE

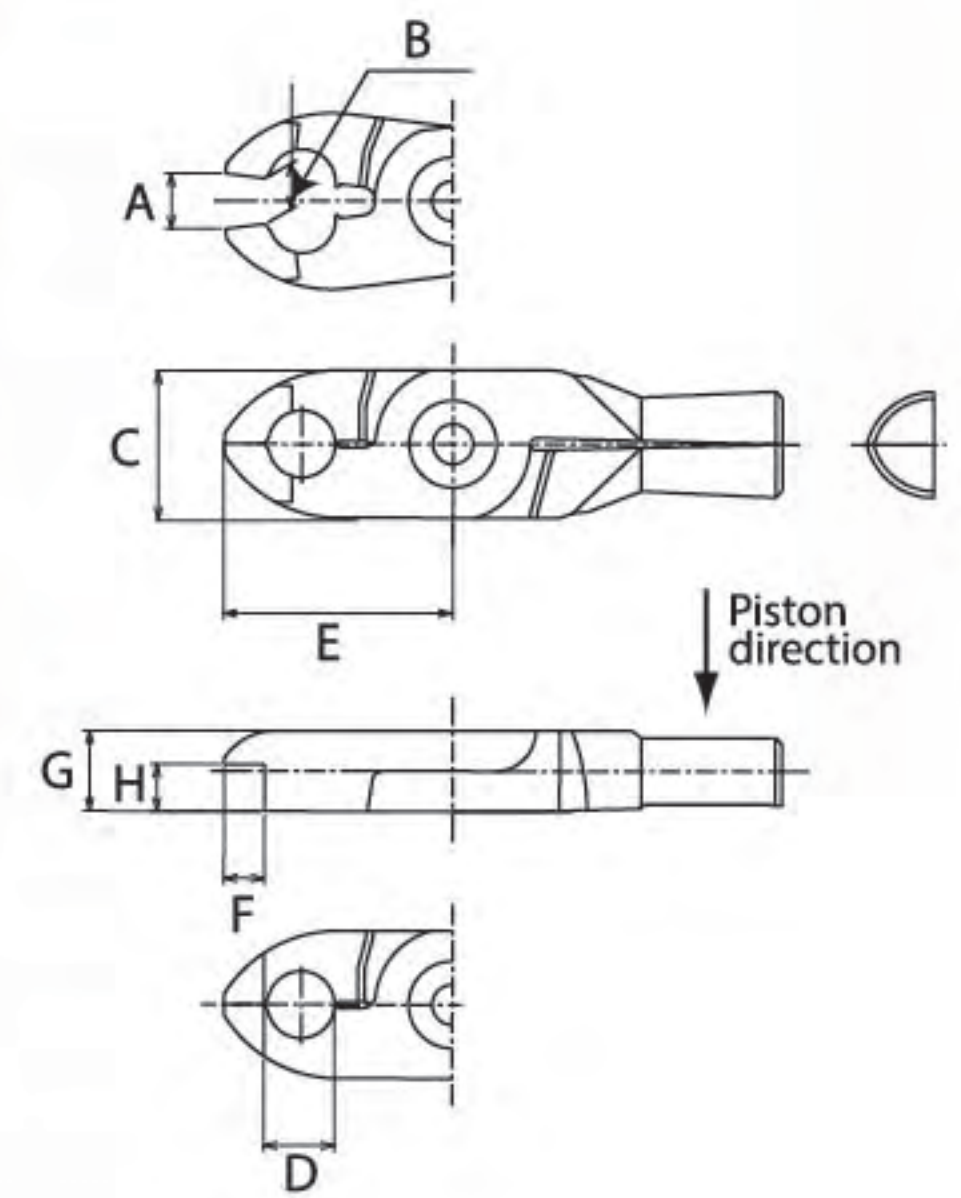
# FNP-W

for SNP series

✳ Built to order

Air Pressure : 0.5MPa

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



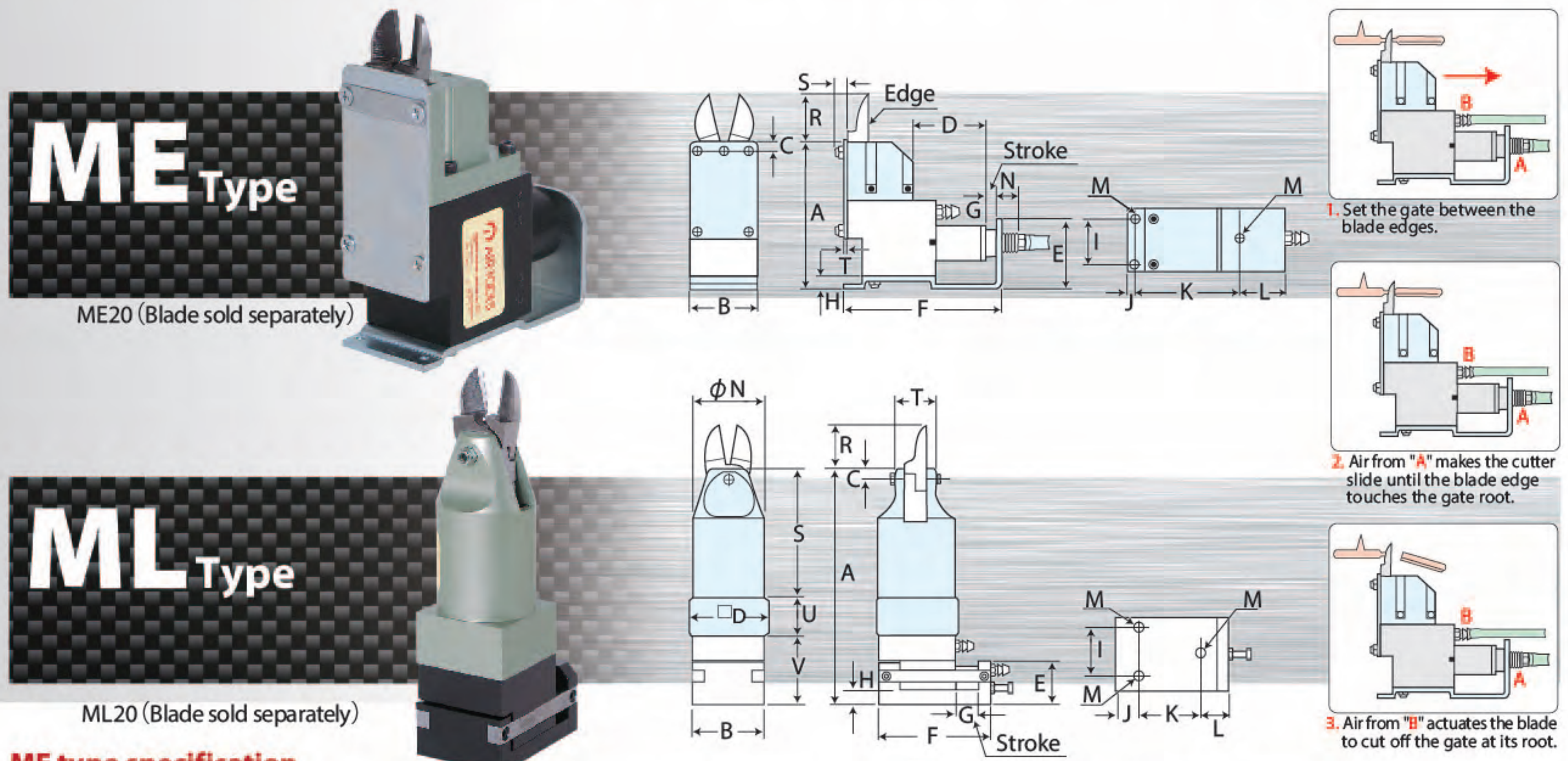


nile air tools

# SLIDE & CUT AIR NIPPERS



# SLIDE & CUT AIR NIPPERS

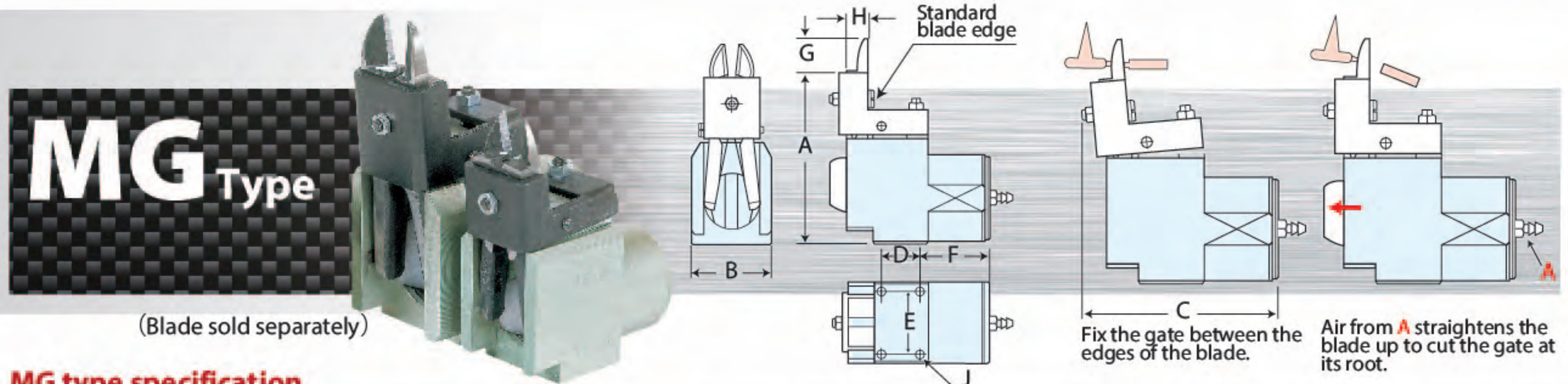


## ME type specification

Model (less blade)	Weight (g)	Airconsumption (cm <sup>3</sup> /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)	Airconsumption (cm <sup>3</sup> /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)	Airconsumption (cm <sup>3</sup> /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

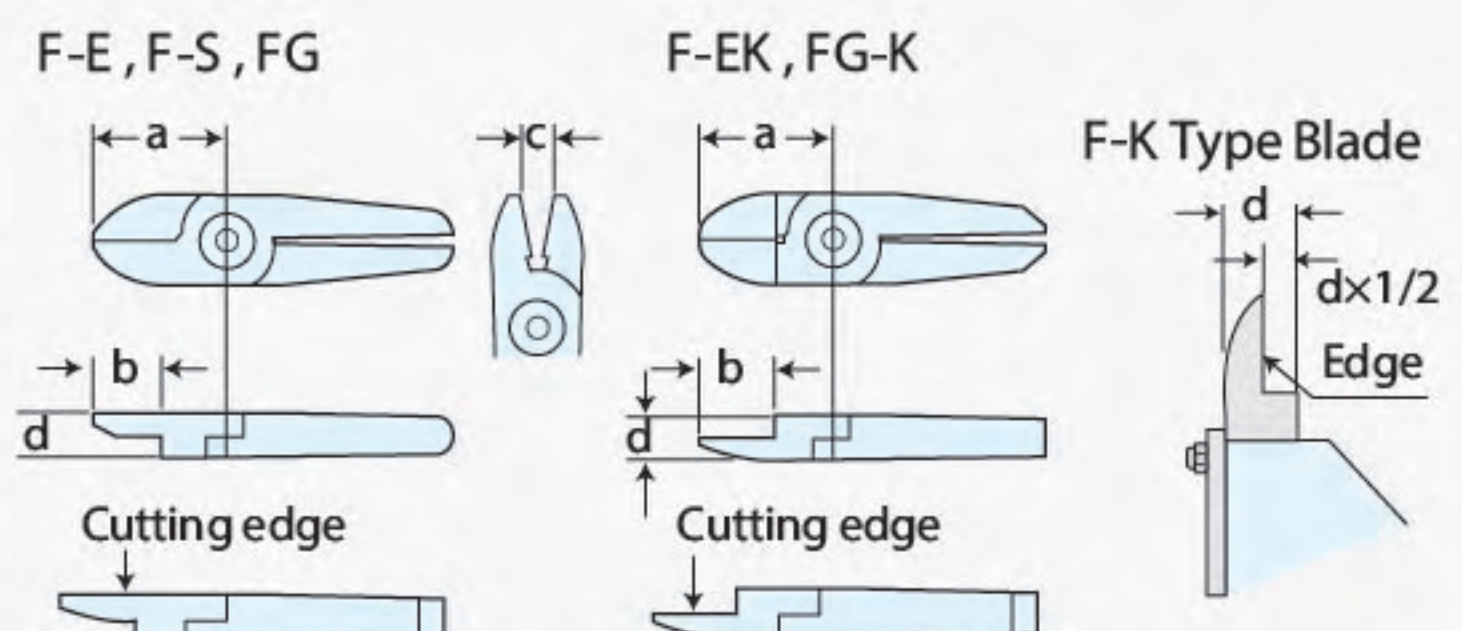
### Shapes & Dimensions of Standard Blades pp.5-10

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

★ Blade sold separately ✳ Built to order

### ME/ML/MG type Blade cutting capacity

Model	Blade (*) Carbide tipped	Cutting capacity ( $\phi$ mm) Plastic	Cutting capacity ( $\phi$ mm)				
			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

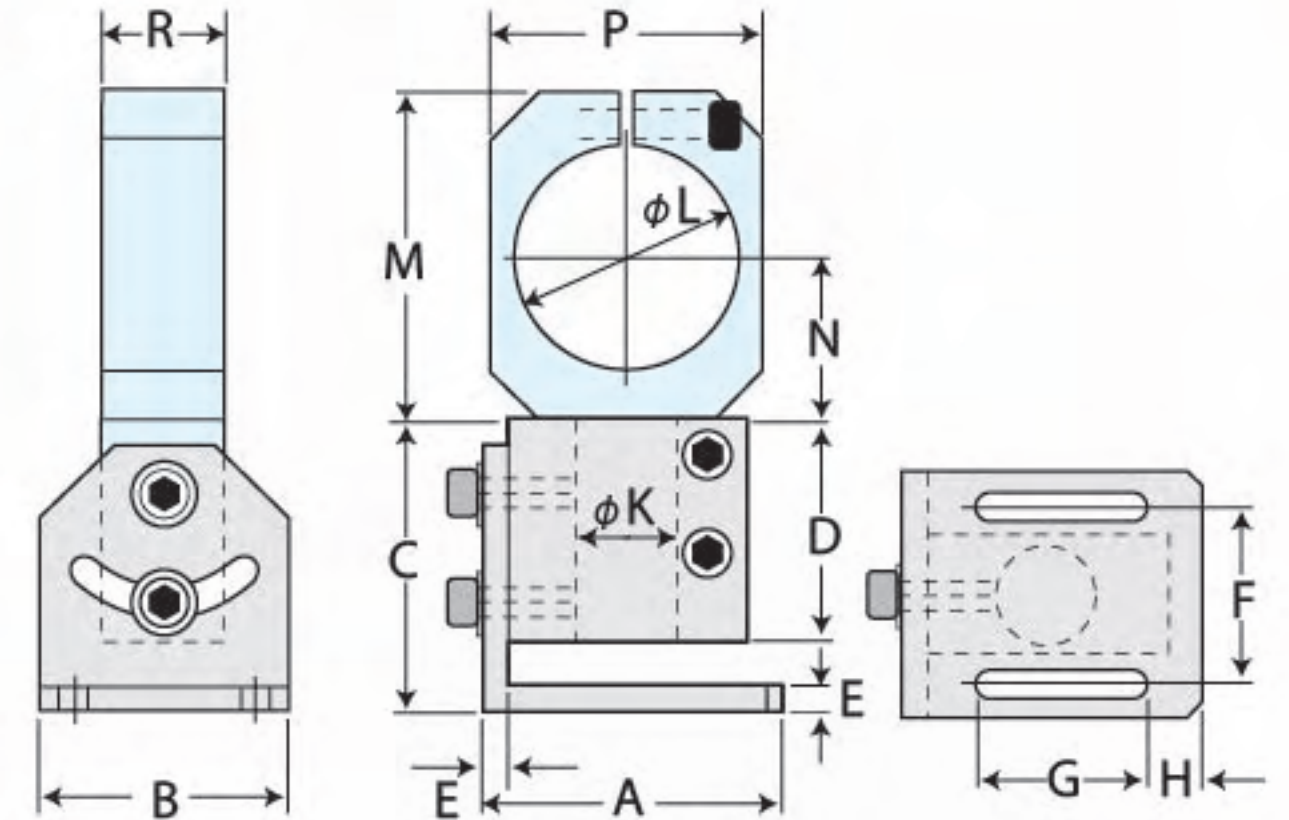
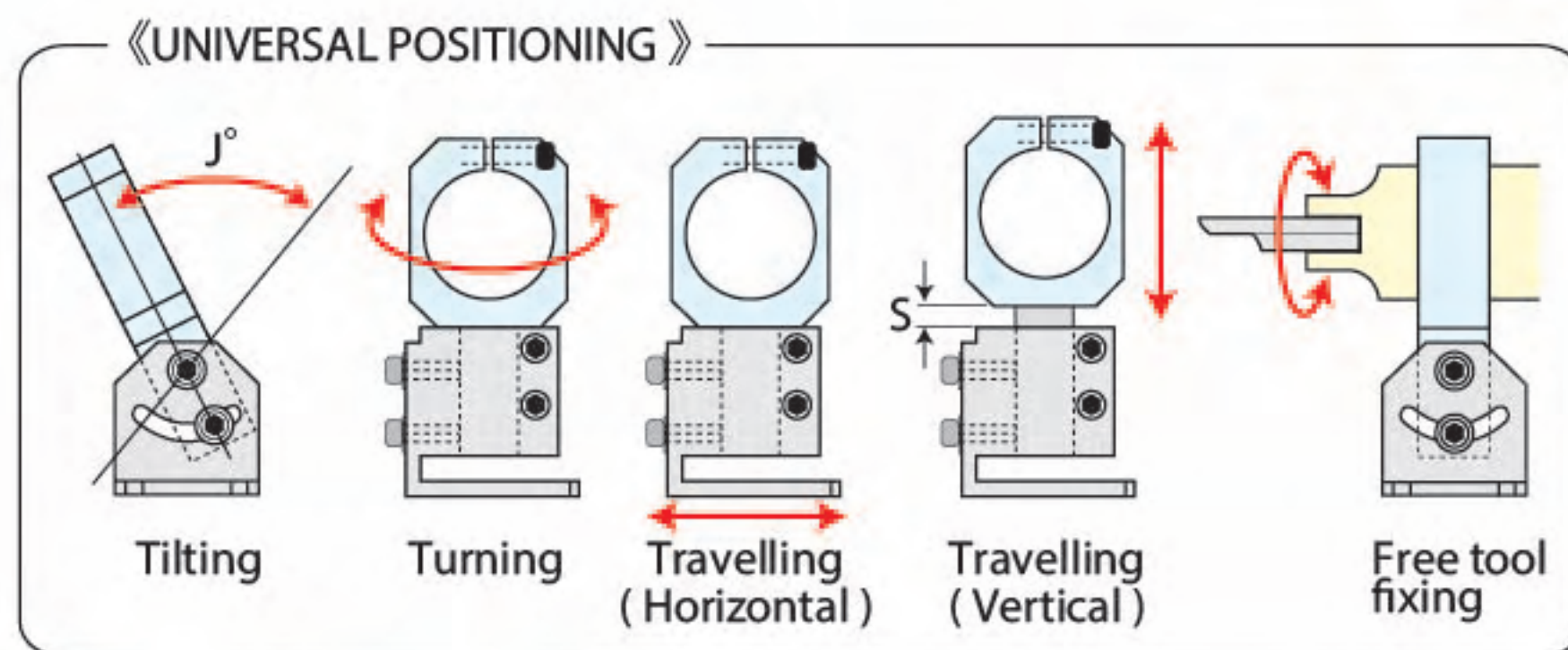
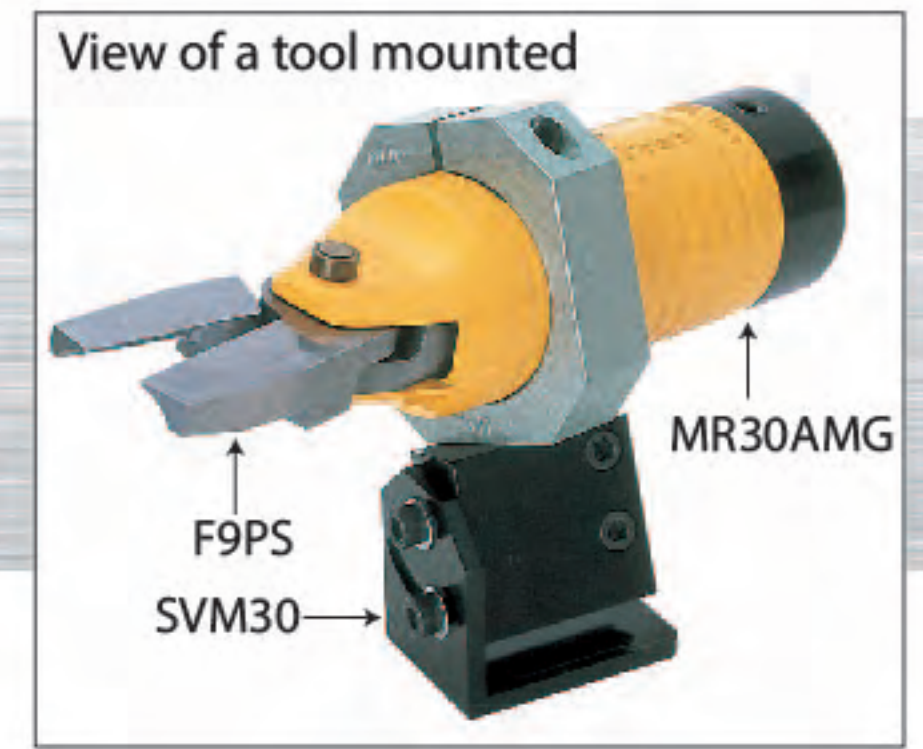
# STAND-HOLDER FOOT VALVE TIMING UNIT



# STAND-HOLDER

## MACHINE-INSTALLATION

### SVM Type

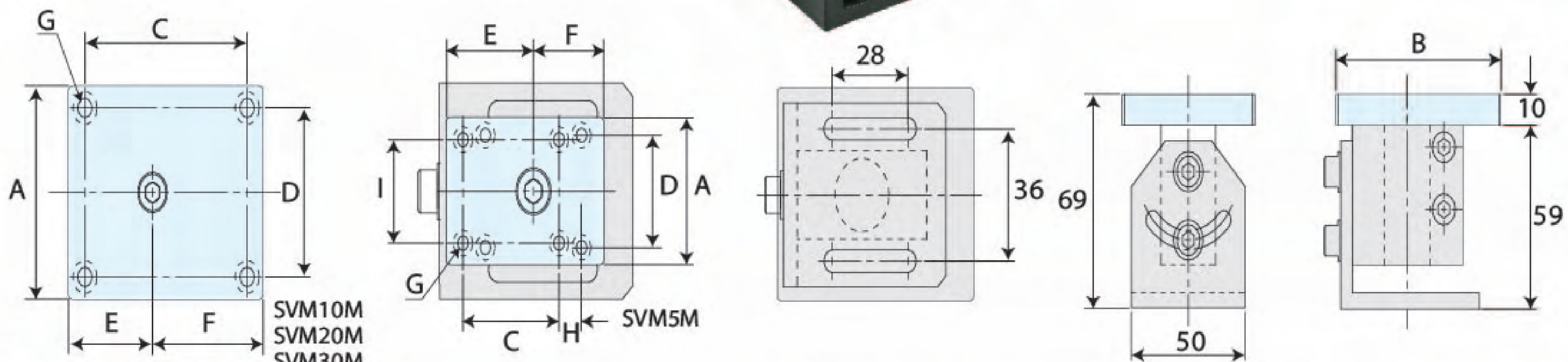


### SVM type specification

Model	Weight (g)	Applicable air cutters of round body	Dimensions (mm)															
			A	B	C	D	E	F	G	H	J <sub>90°</sub>	K	L	M	N	P	R	S <sub>90°</sub>
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- $\phi 5.3$	-	-

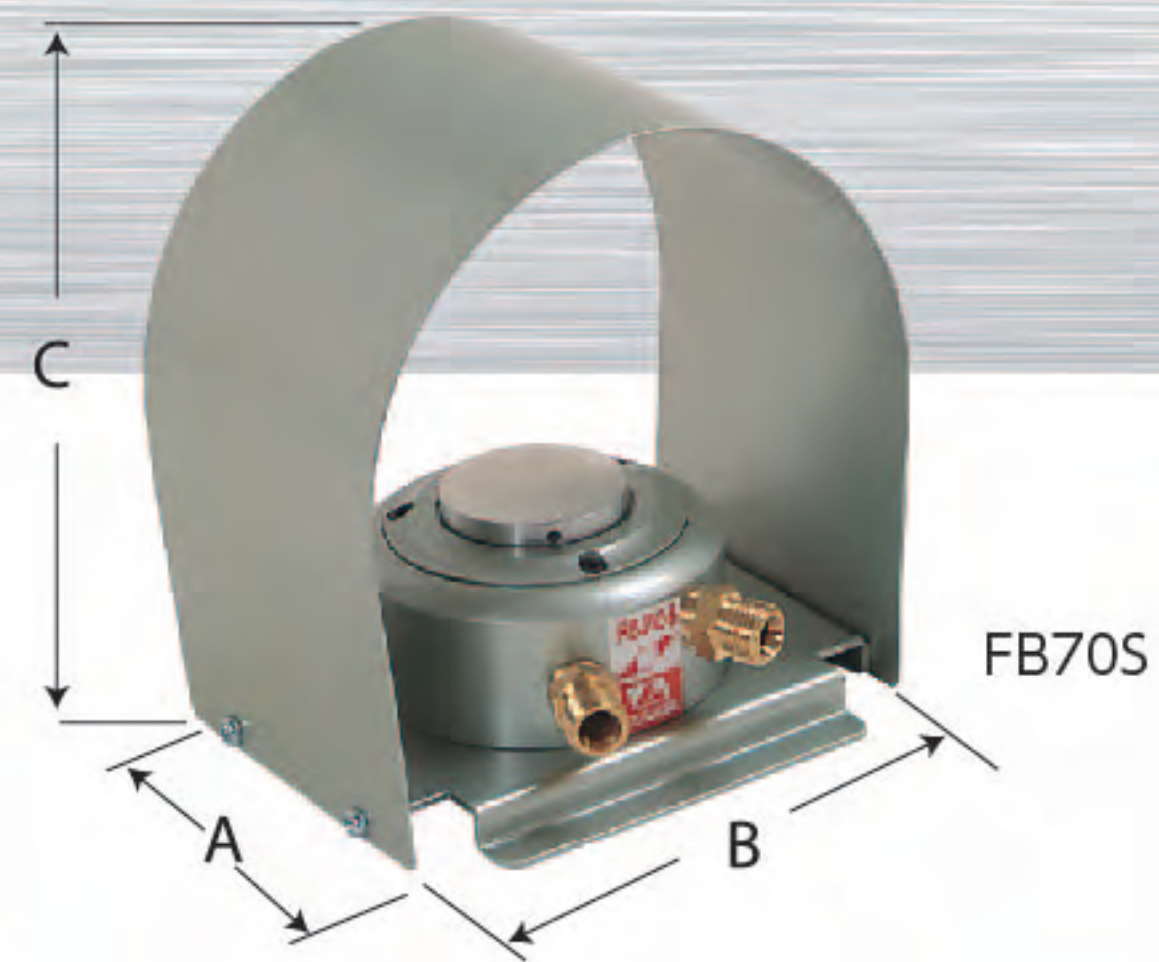
# STAND-HOLDER/FOOT VALVE/ TIMING UNIT

## FOOT VALVE

### FB70S Type

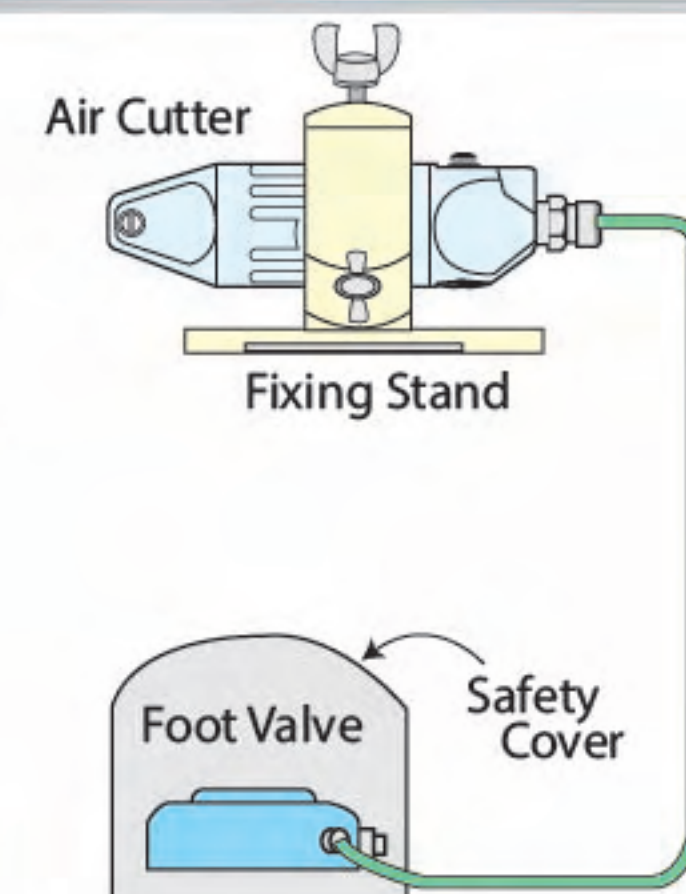
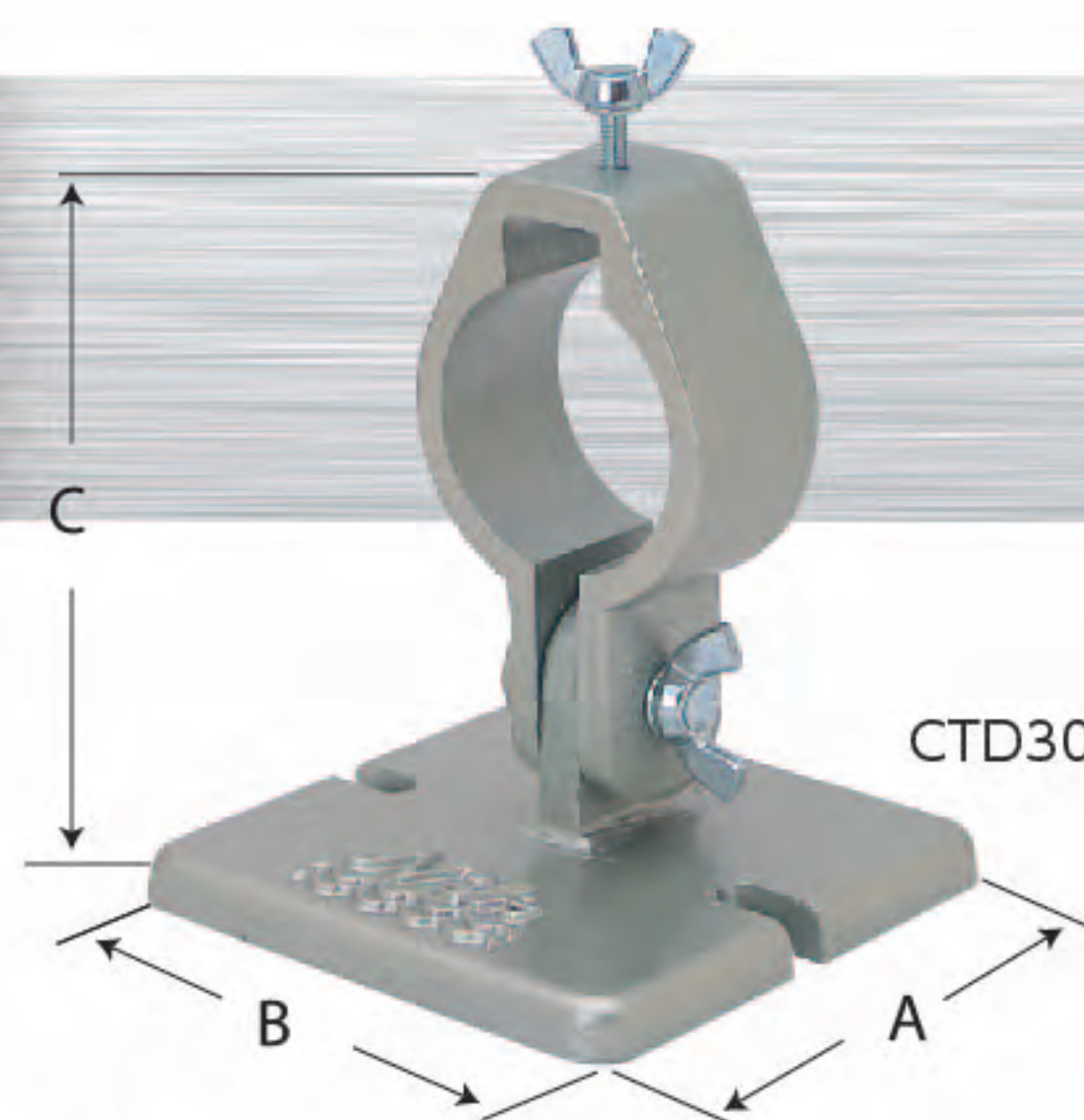
#### FB70S type specification

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



## FIXING STAND

### CTD Type

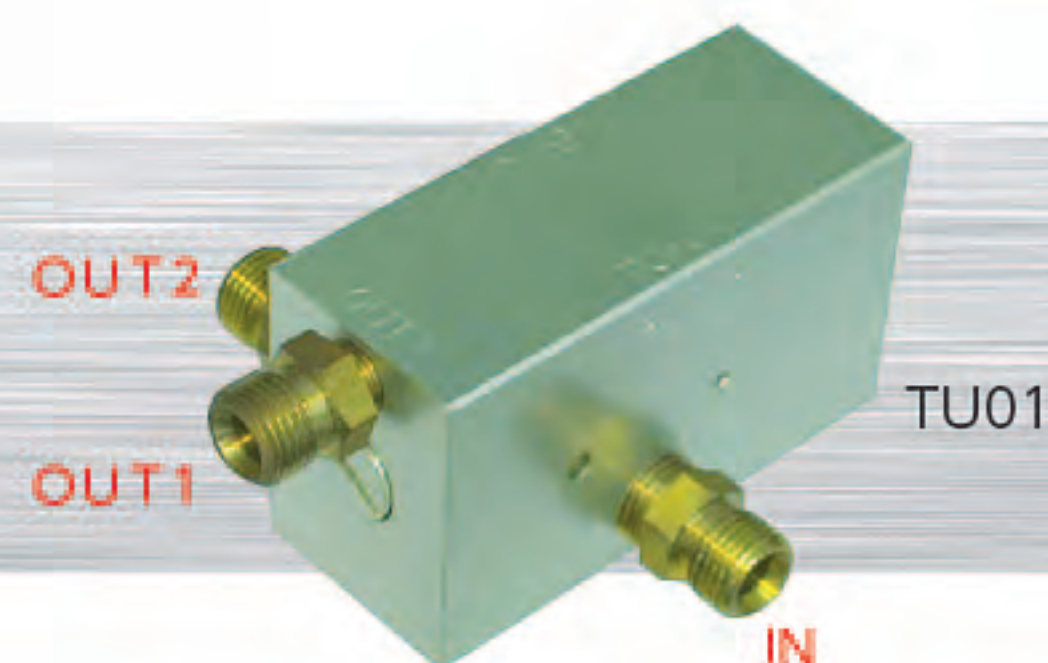


#### CTD type specification

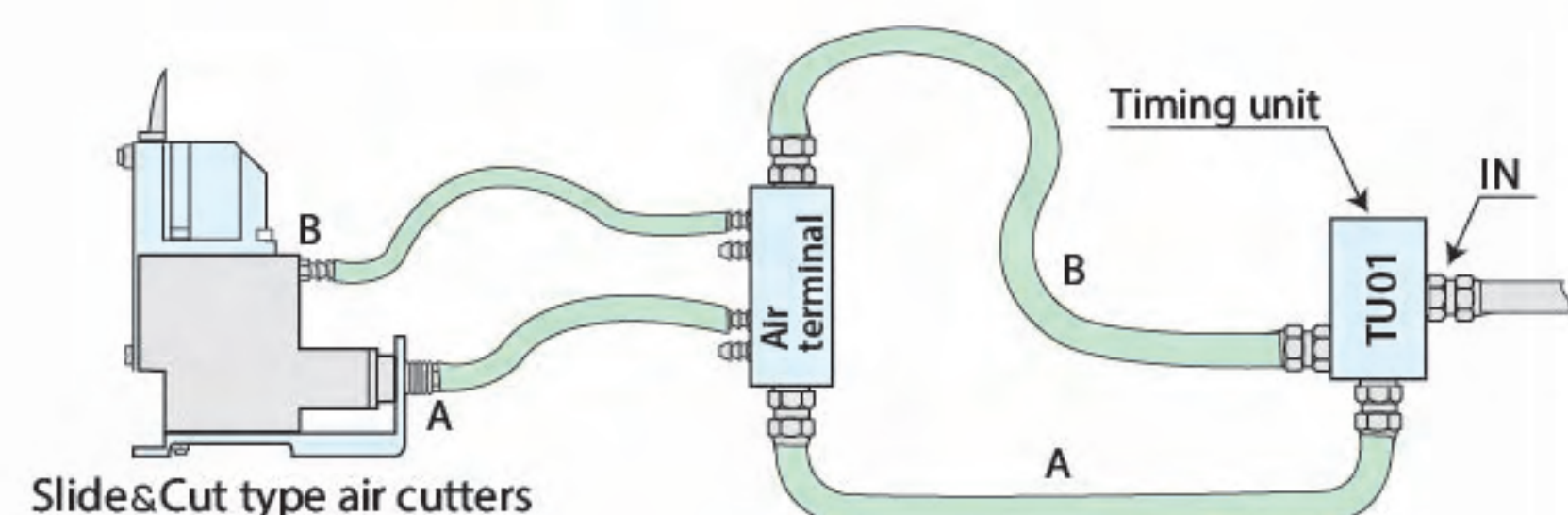
Model	Weight (g)	A (mm)	B (mm)	C (mm)	Applicable tools
CTD20	600	140	120	117.5	For MR20,MR20M
CTD30	500	140	120	117.5	For MR30A,MR30AM
CTD50	2,400	150	150	157.5	For MR50AK,MP55AK

## 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 Transformer TRF25

< 100V . 120V . 220V . 240V >



AH8 (Blade sold separately)

TRF25-100V (for AH5,AH8)



HEATER W-19

### AH type specification

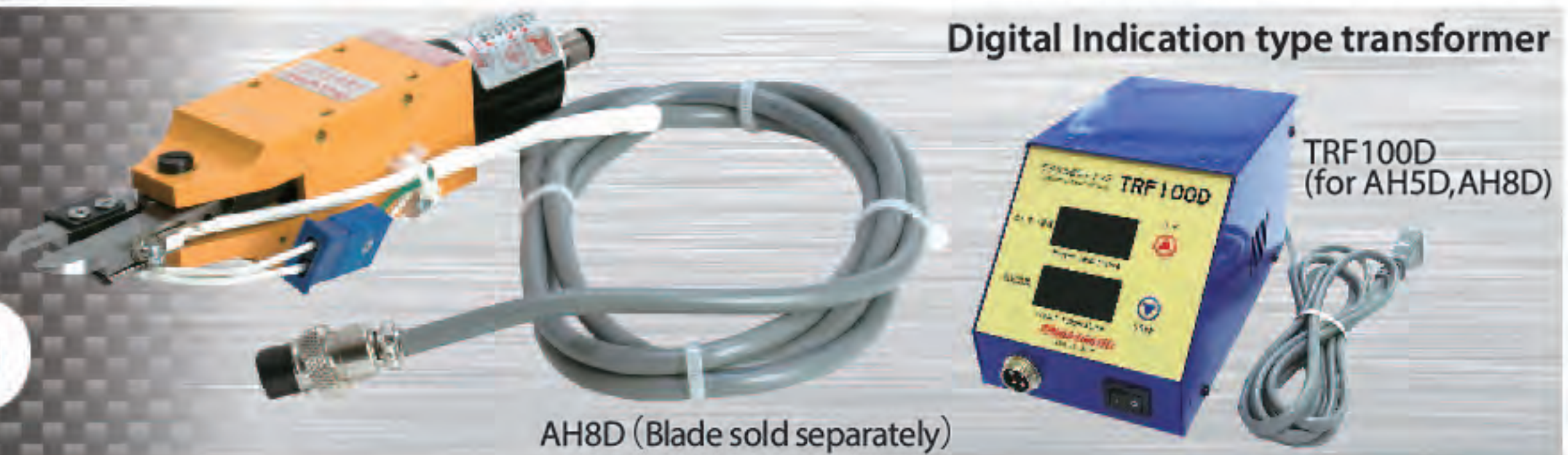
Model (less blade)	Weight (g)	Air consumption (cm <sup>3</sup> /stroke)	Cutting capacity (φmm)	Fitting size		Dimensions (mm)											
				Hose coupling	Body Internal thread	A	B	C	D	E	F	G	H	J	K	L	M
AH5	210	64	3.0	G1/8	Outer diameter φ6	76	32	30	14	19	26	34	31	M3D7	21	7	7
AH8	290	116	4.0	G1/8	Outer diameter 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 Transformer TRF100D



AH8D (Blade sold separately)

Digital Indication type transformer

TRF100D  
(for AH5D,AH8D)



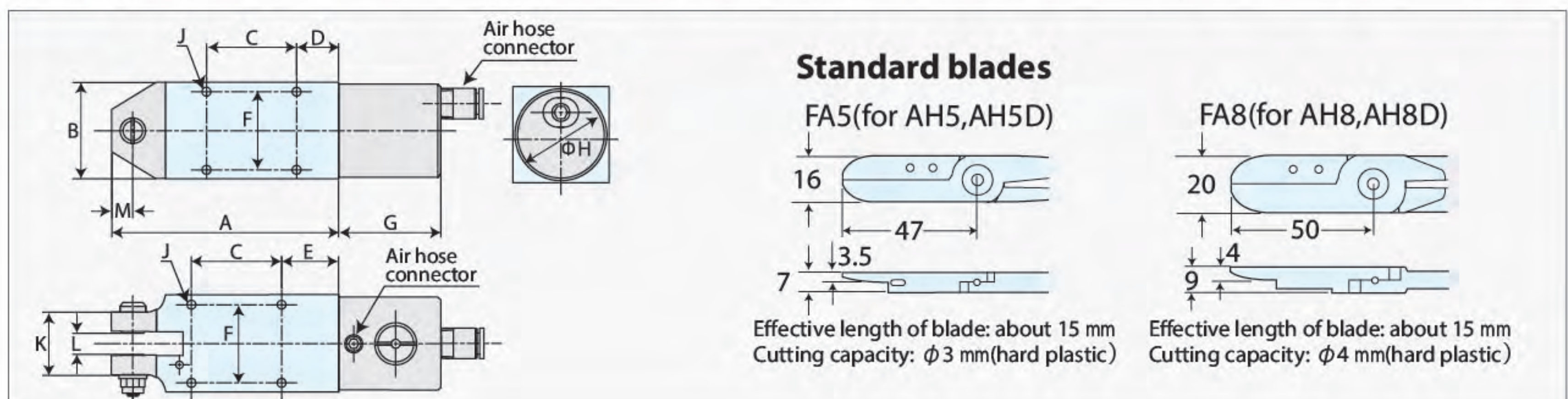
HEATER W-19

### AH-D type specification

Model (less blade)	Weight (g)	Air consumption (cm <sup>3</sup> /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

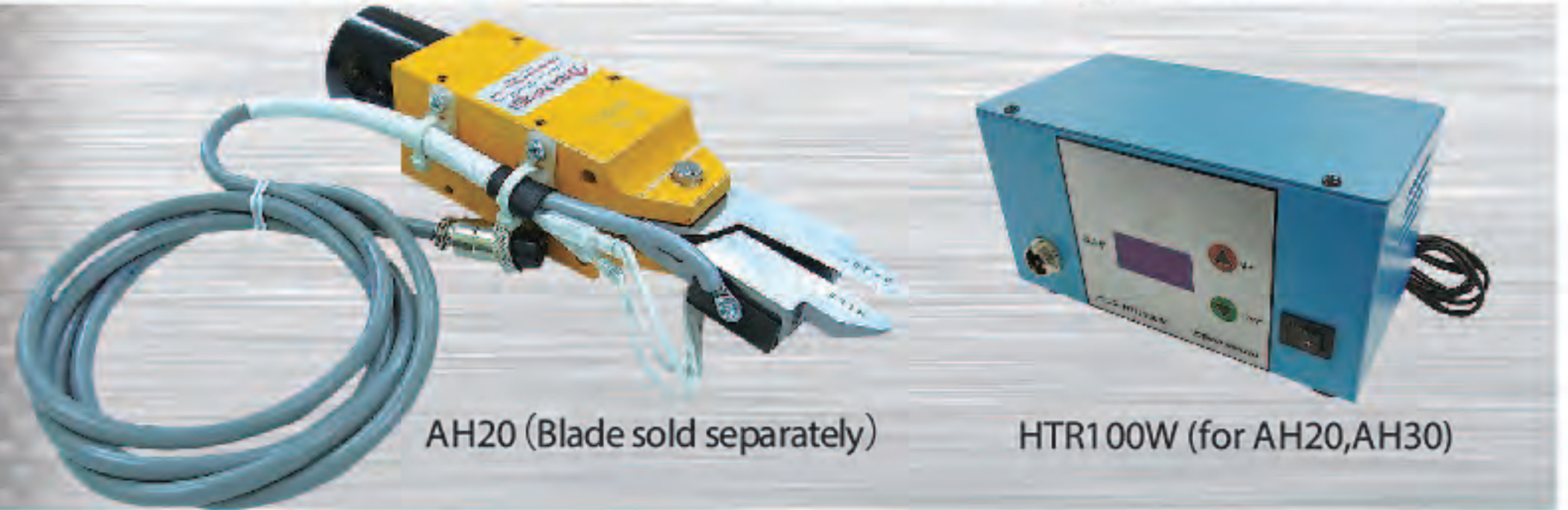
- Double-heater can set temperature in wide range between 70~200°C to fit each resin gate at the most suitable temperature.
- 3 models of replaceable blades are available to suite various kinds of gate cutting jobs.

## MACHINE-FITTING TYPE

### AH Type Transformer HTR100W

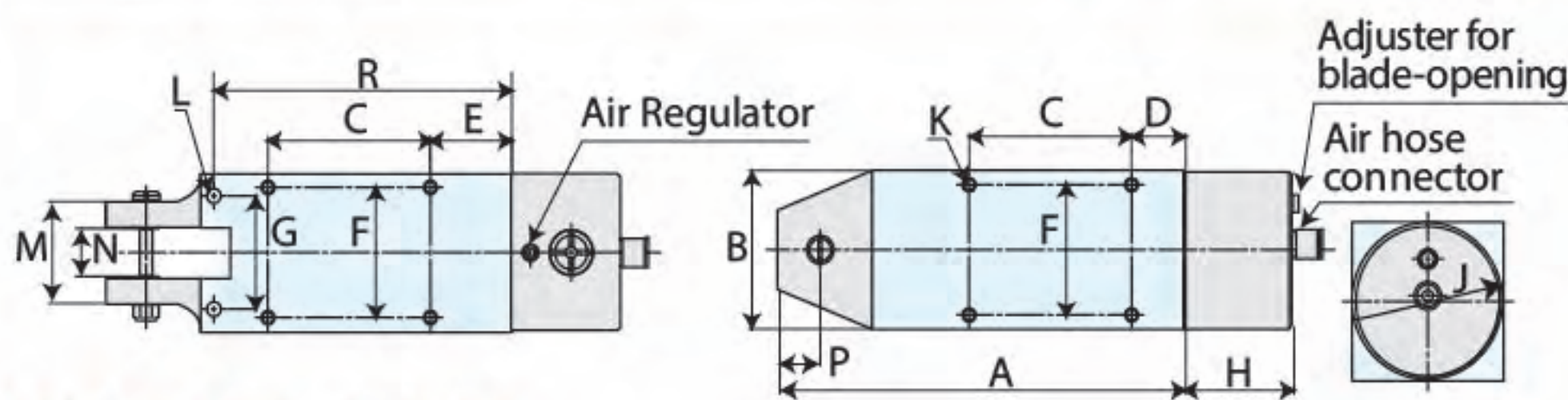
### Digital Indication type transformer

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



AH20 (Blade sold separately)

HTR100W (for AH20,AH30)



HEATER W-19W

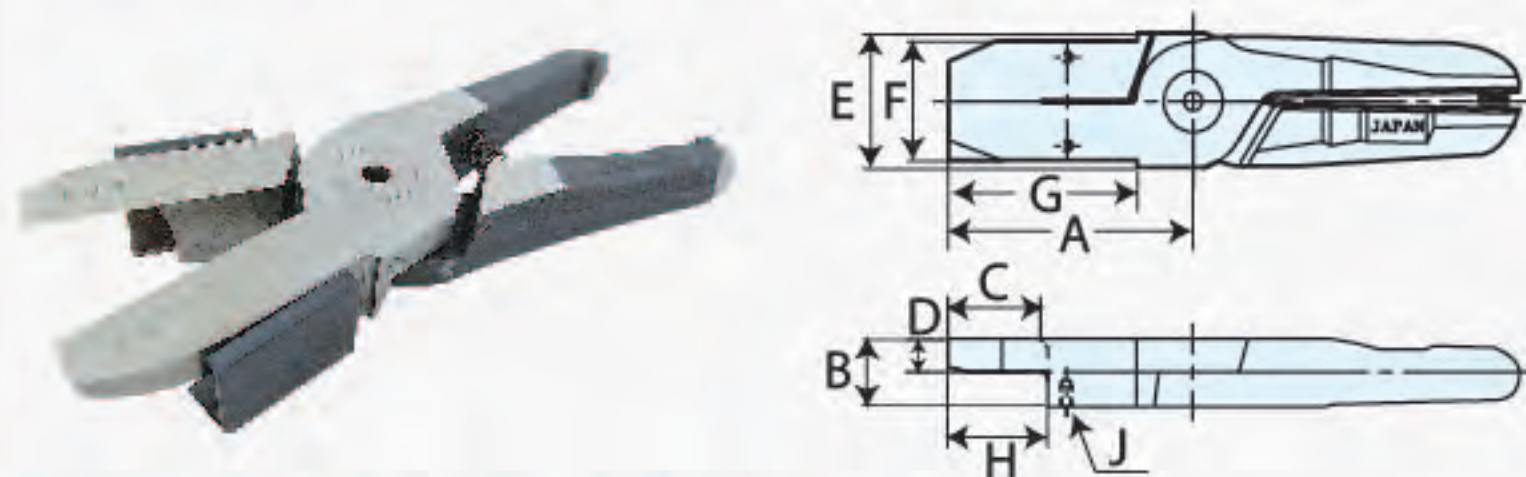
### AH type specification

Model (less blade)	Weight (g)	Width (mm)	Height (mm)	Depth (mm)	Air pressure (MPa)	Fitting size		Air consumption (cm <sup>3</sup> /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

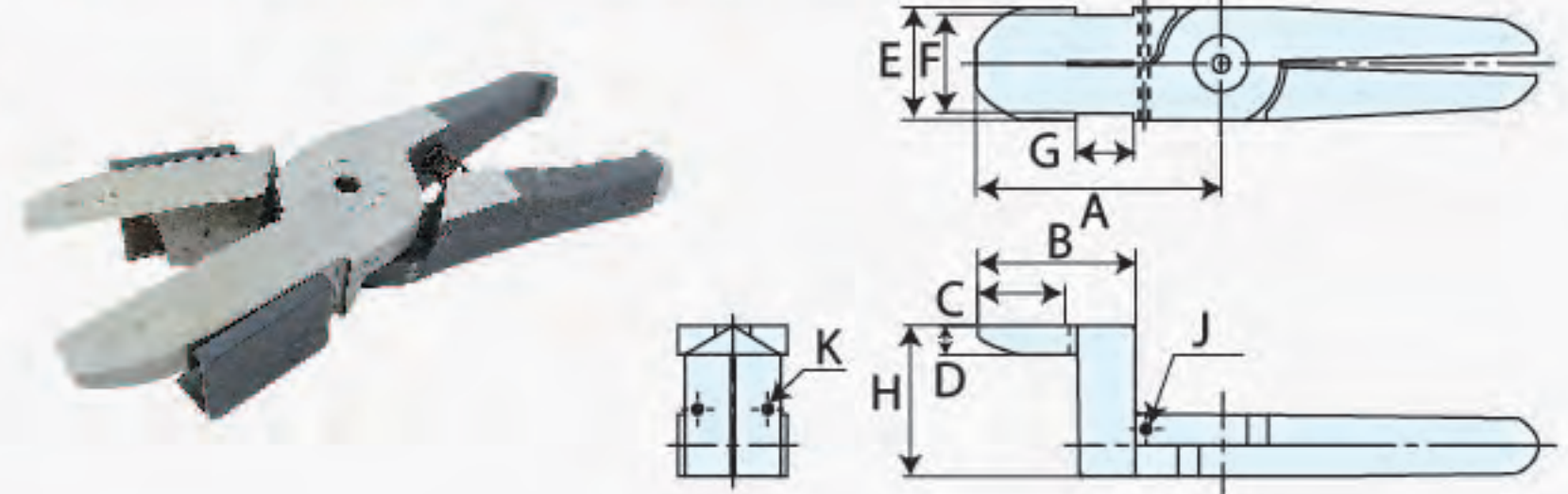
Model (less blade)	Dimensions (mm)														
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
AH20	109	45	40	19	24	36	30	40	44	M4D8	5.3	26	12	9	81
AH30	150	56	60	20	30	46	40	40	55	M5D11	5.3	36	17	15	110

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

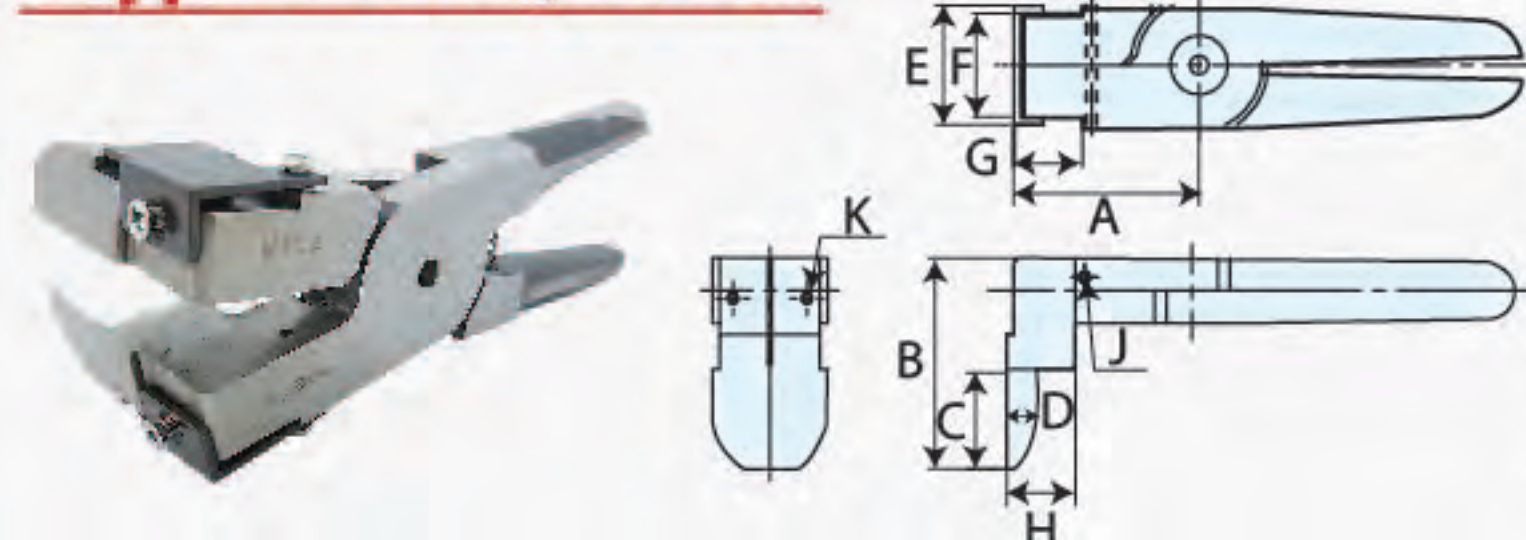
### Straight type FA20S, FA30S



### 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

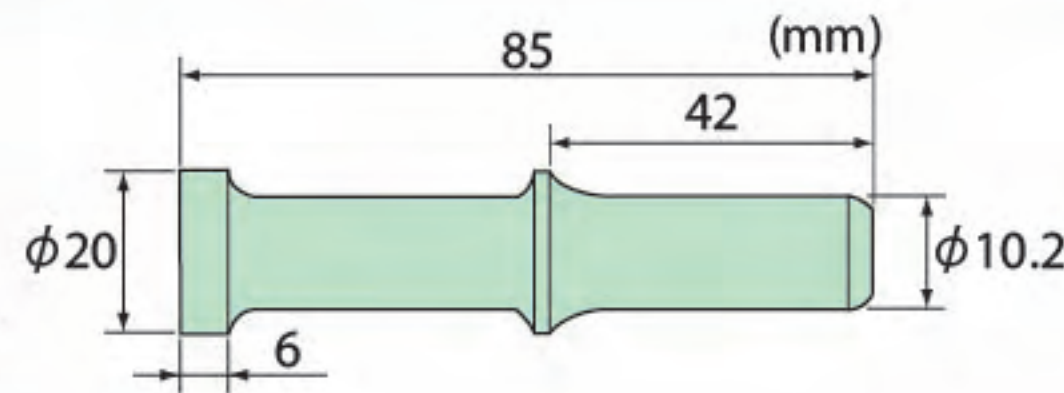
Rationalization and standardization of hammering operations for pins, bushings, collar caps, oil seals, etc.



### 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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /stroke	651
Air pressure	MPa	0.7
Blowing power	/N	(Approx.)460
Fitting size	Hose coupling	G1/4
	Body internal thread	G1/4

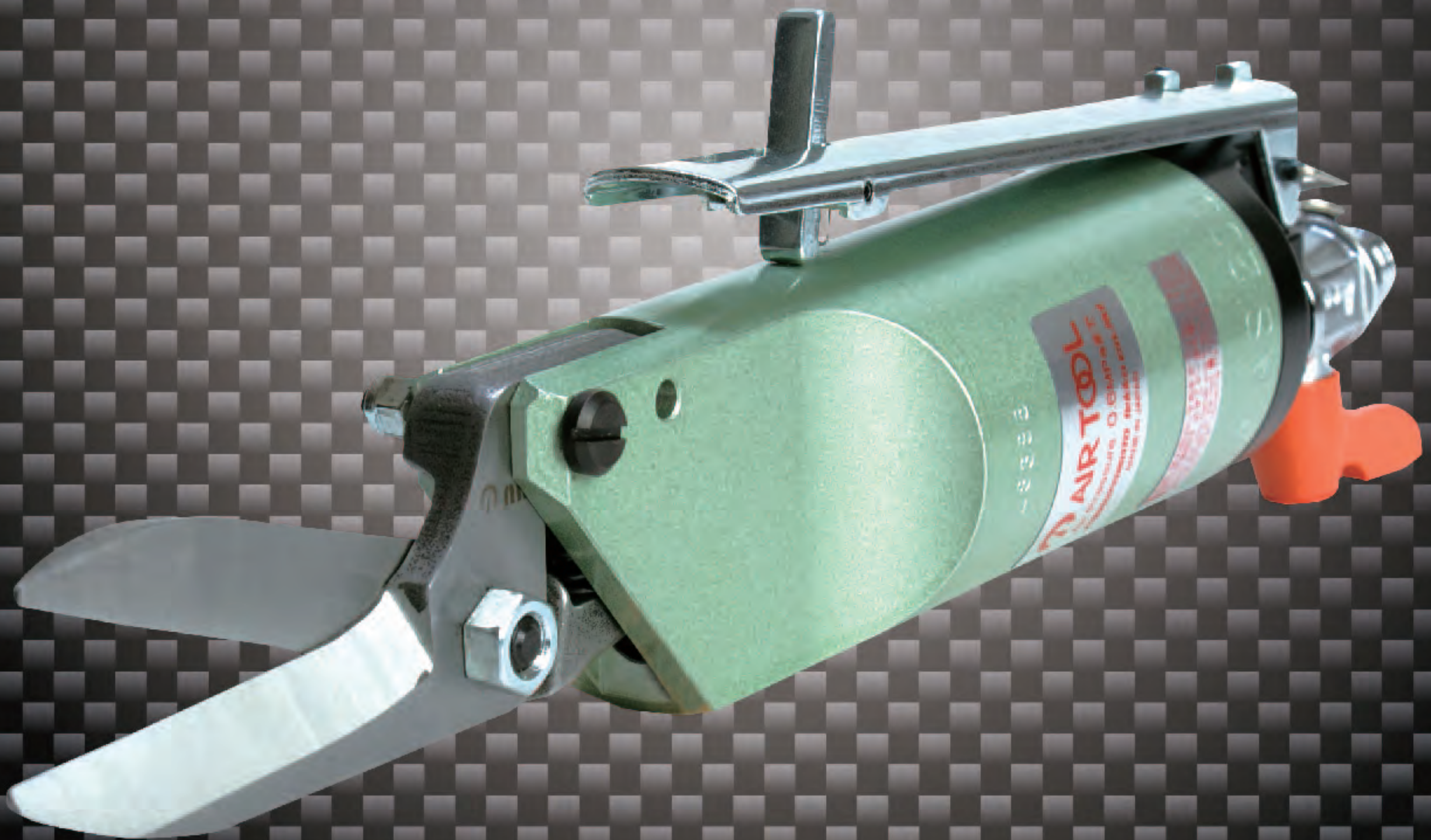
Overall length	mm	328
Weight	g	2,100
Grip size	φmm	43
Tank size	φmm	72
Air consumption	cm <sup>3</sup> /stroke	651
Air pressure	MPa	0.7
Blowing power	/N	(Approx.)470
Fitting size	Hose coupling	G1/4
	Body internal thread	G1/4

Overall length	mm	341
Weight	g	2,100
Grip size	φmm	51
Tank size	φmm	86
Air consumption	cm <sup>3</sup> /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**

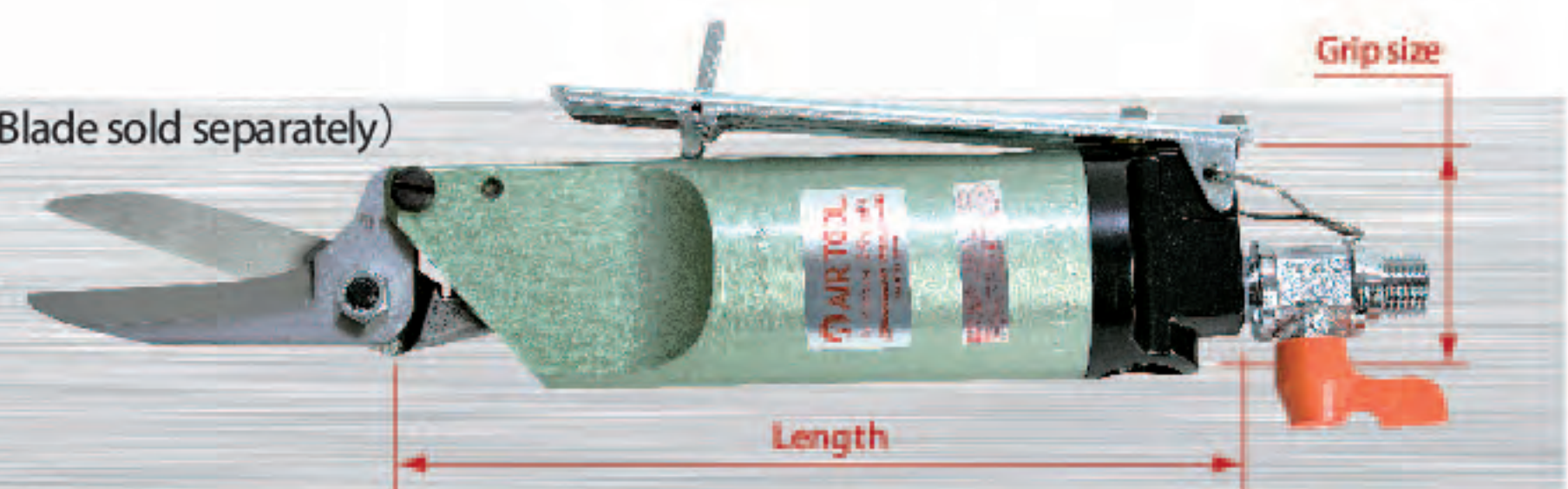


# AIR SHEARS

## AIR SHEARS

**AS** Type  
Standard

AS200 (Blade sold separately)



**ASP** Type  
Heavy-duty

ASP250 (Blade sold separately)



### AS/ASP type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Air consumption (cm <sup>3</sup> /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

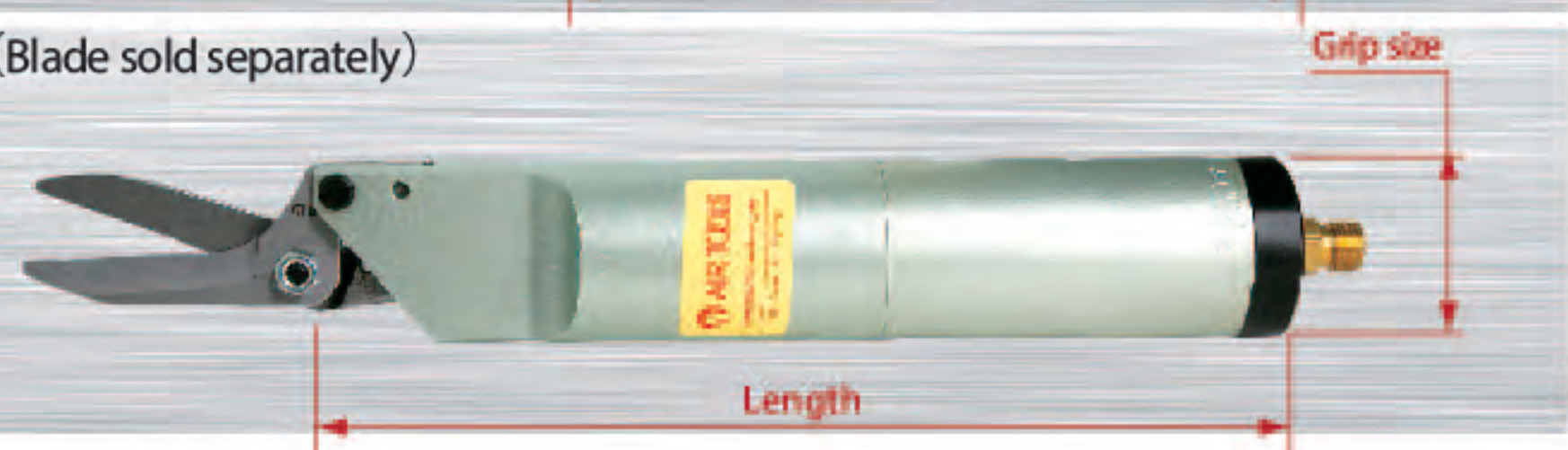
**AS-M** Type  
Standard

AS100M (Blade sold separately)



**ASP-M** Type  
Heavy-duty

ASP250M (Blade sold separately)



### AS-M/ASP-M type specification

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Air consumption (cm <sup>3</sup> /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

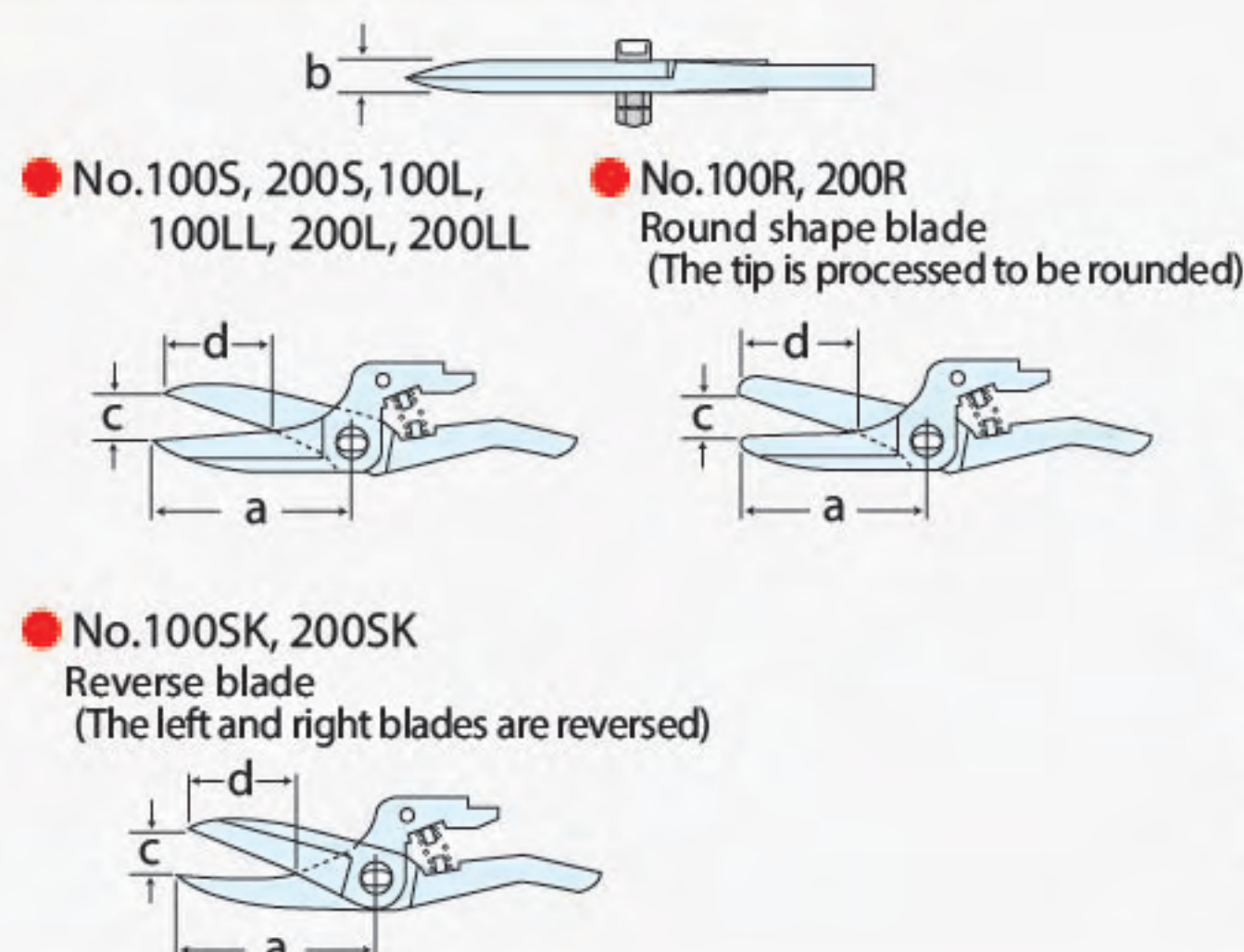
### Shapes & Dimensions of Standard Blades pp.5-10

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

▲ Adjuster for blade-opening ★ Blade sold separately

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

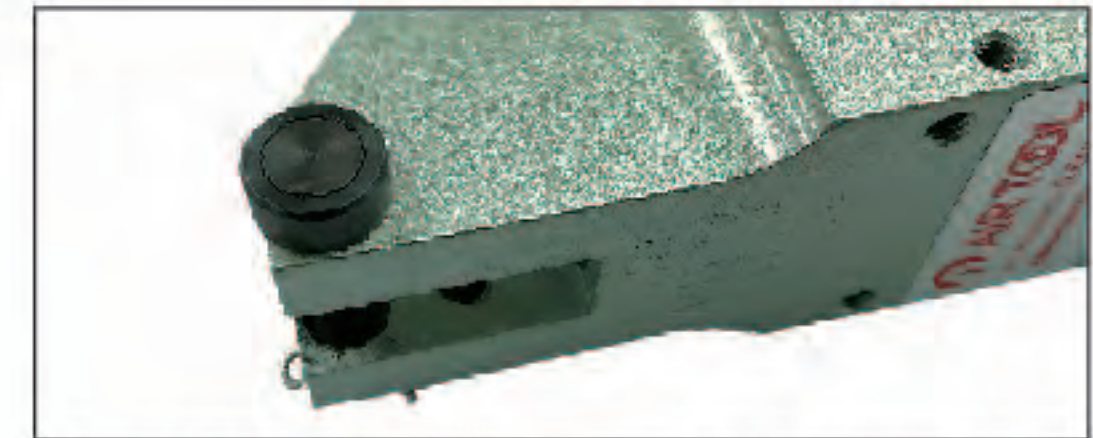
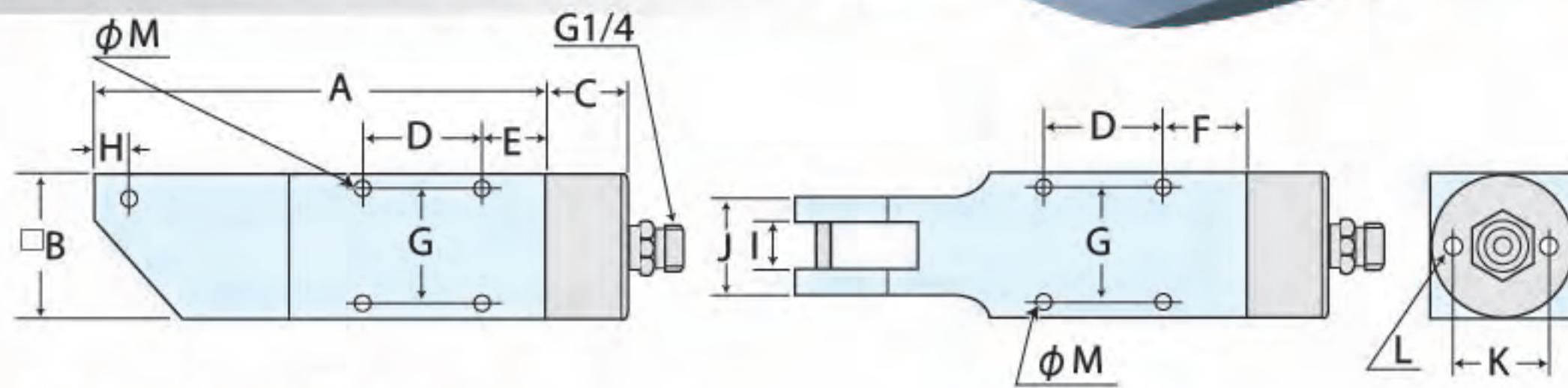
Model	Blade	Plata (mm)
AS100	No.100S (Straight blade)	0.5×15
AS100M	No.100R (Round shape blade)	
ASP150M	No.100SK (Straight/Reverse blade)	
ASP150	No.100L (Long blade)	0.5×20
	No.100LL (Extra long blade)	
▲AS200	No.200S (Straight blade)	0.8×25
AS200M	No.200R (Round shape blade)	
ASP250M	No.200SK (Straight/Reverse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



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



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

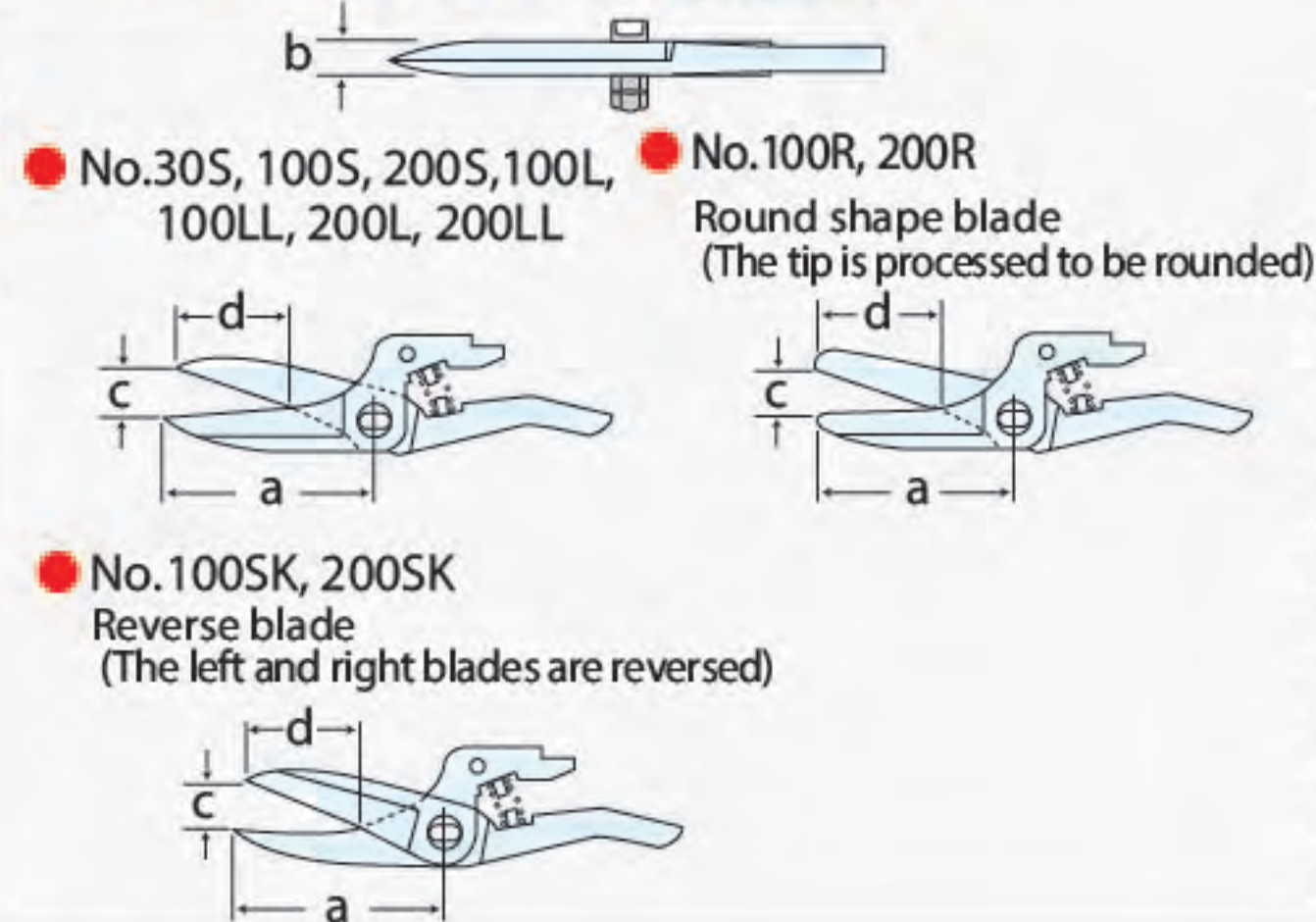
### AM type specification

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)

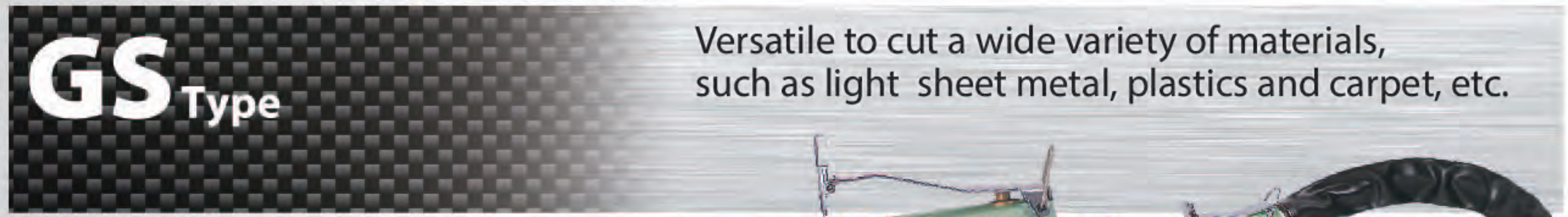
#### AM type Blade cutting capacity ★ Blade sold separately

Model	Blade	Plata (mm)	Copper wire (φmm)
AM3	No.30S	—	0.8
AM10G	No.100S (Straight blade)	0.5×15	—
	No.100R (Round shape blade)		
	No.100SK (Straight/Reverse blade)		
	No.100L (Long blade)		
	No.100LL (Extra long blade)		
AM20	No.200S (Straight blade)	0.8×25 1.0×10	—
	No.200R (Round shape blade)		
	No.200SK (Straight/Reverse blade)		
	No.200L (Longblade)		
	No.200LL (Extra long blade)		

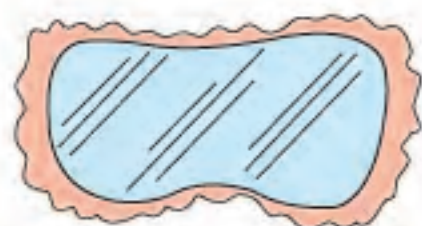


Blade	a	b	c	d
No.30S	33	7	6	20
No.100S	66	10	15	37
No.200S	66	10	15	37
No.100R	62	10	12.5	34
No.200R	62	10	12.5	34
No.100SK	66	10	15	37
No.200SK	66	10	15	37
No.100L	95	10	20	60
No.200L	95	10	20	60
No.100LL	125	10	30	90
No.200LL	125	10	30	90

## AIR MULTI-PURPOSE SCISSORS



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



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



GS01 (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.

#### 10M straight blade



#### 10MC yanagi-blade



# 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

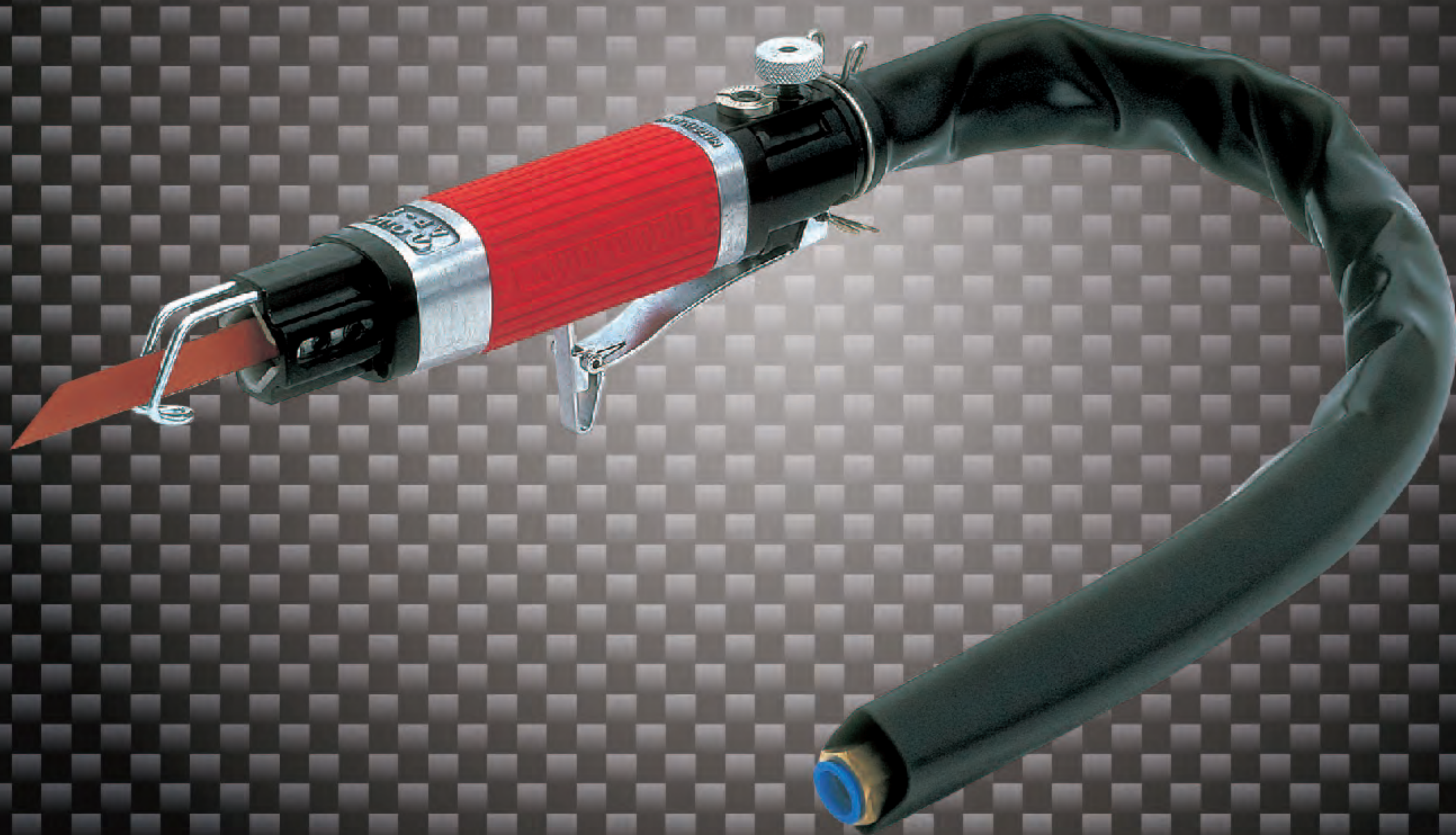


For cutting tire housings



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 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 

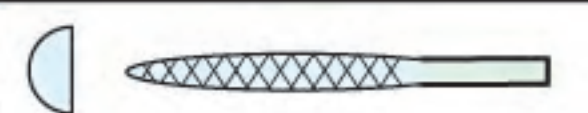
#### File(Standard)

Model	Shape
AFF50 Flat	
AFR50 Round	
AFT50 Triangular	




#### Saw blade(OPTION) This one has 10 pieces

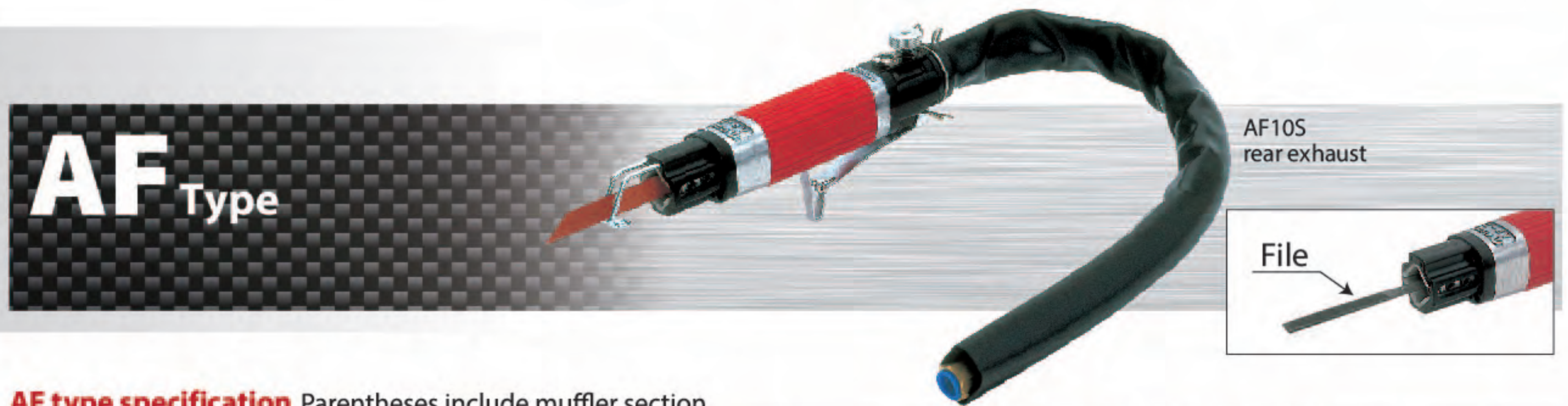
Teeth/ inch	Model&Shape
36	R0536 

#### File (OPTION)

Model	Shape
AFH50 Semicircle	

#### File for aluminum(OPTION)

Model	Shape
AFH50A Semicircle	
AFF50A Flat	
AFR50A Round	



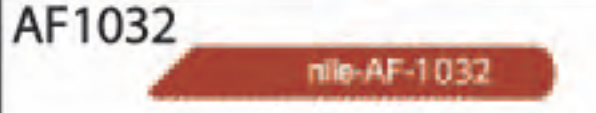

### AF type specification

Parentheses include muffler section


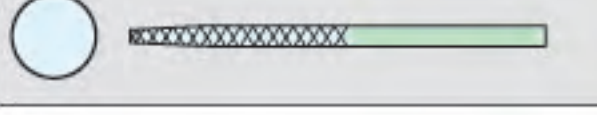

Model (less blade)	Length (mm)	Weight (g)	Grip size (φmm)	Airconsumption (ℓ/min.)	Air pressure (MPa)	Stroke (mm)	Reciprocating speed (strokes/min.)	Cutting capacity (Metal plate) mm/min(approx.)	Fitting size
AF7S	180 (670)	650 (800)	39×37	210 (Actual value)	0.55~0.65	5	8,400	1mm Plate 850 3mm Plate 135	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.


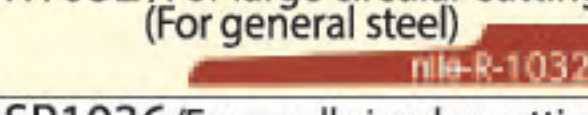

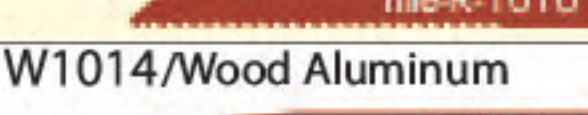

#### Saw blade(Standard)

Teeth/ inch	Model&Shape
32	AF1032 
32	R1032 


#### File(Standard)

Model	Shape
AFF50 Flat	
AFR50 Round	
AFT50 Triangular	

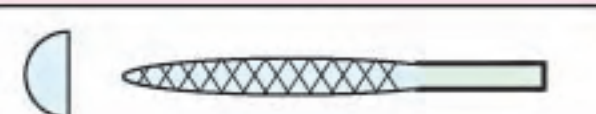


#### Saw blade(OPTION) This one has 10 pieces

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
AFH50 Semicircle	

#### File for aluminum(OPTION)

Model	Shape
AFH50A 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.

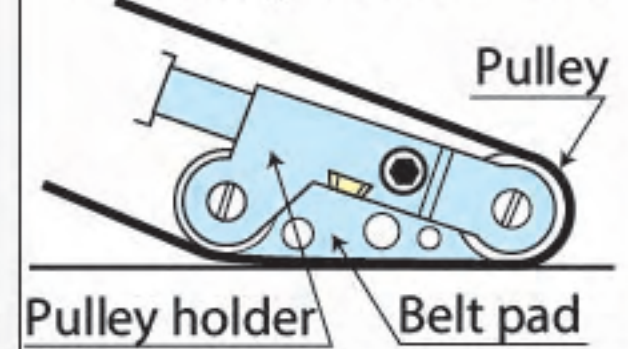


Paint removal work on concave surfaces

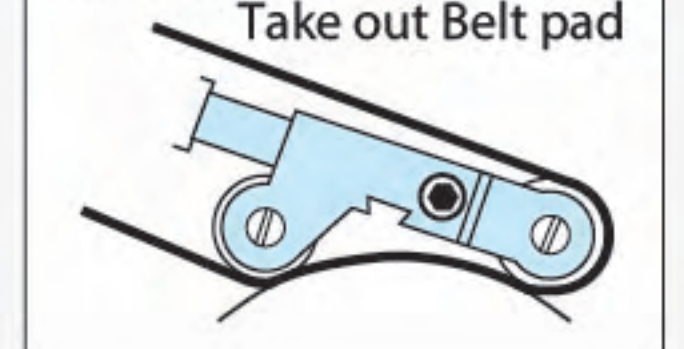


Paint removal work on flat surfaces.(MB20S)

#### 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		

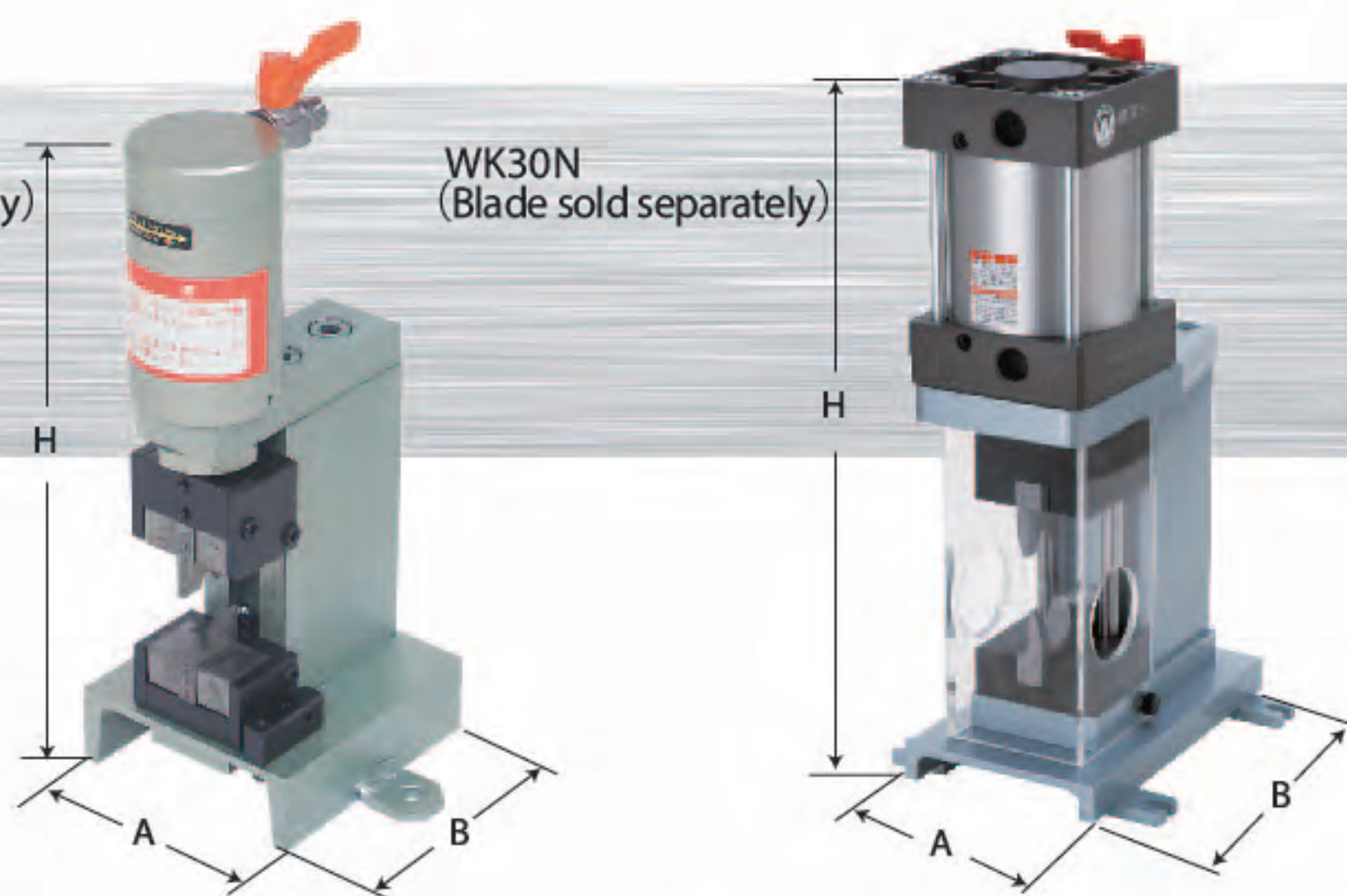
# CABLE CUTTERS/AIR TWISTER

## CABLE CUTTERS

### WK Type

WK10  
(Blade sold separately)

WK30N  
(Blade sold separately)



- 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

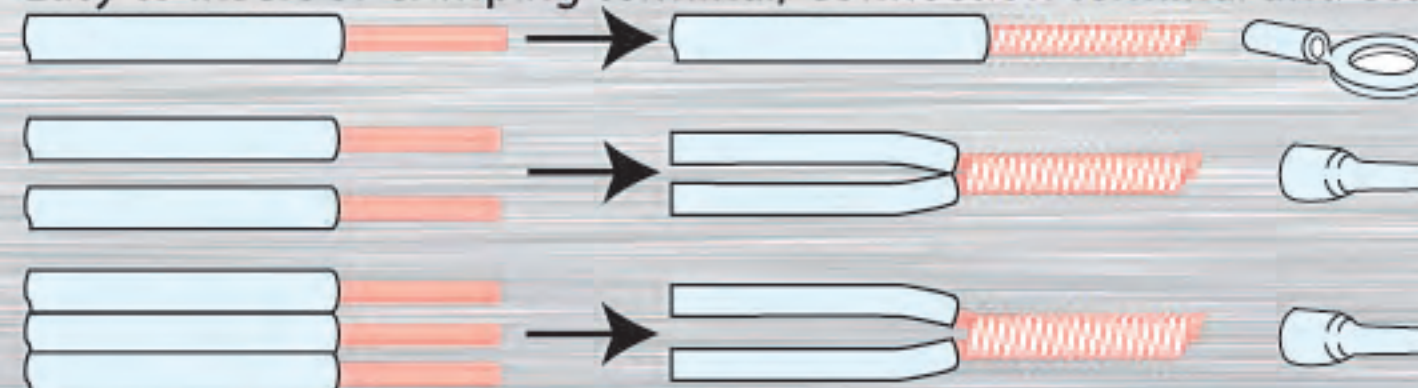
Model (less blade)	Weight (kg)	Air consumption (cm <sup>3</sup> /stroke)	Air pressure (MPa)	Blade	Cutting capacity (φmm)	A (mm)	B (mm)	H (mm)	Fitting size
✳WK10	6	639	0.5~0.65	VOHR5	Cable : until 7mm	100	110	268.5	G1/4
WK30N	21	5,000	0.5~0.65	VOHR10	Cable : until 30mm	125	216	394	G1/4

## AIR TWISTER

### RC6 Type



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



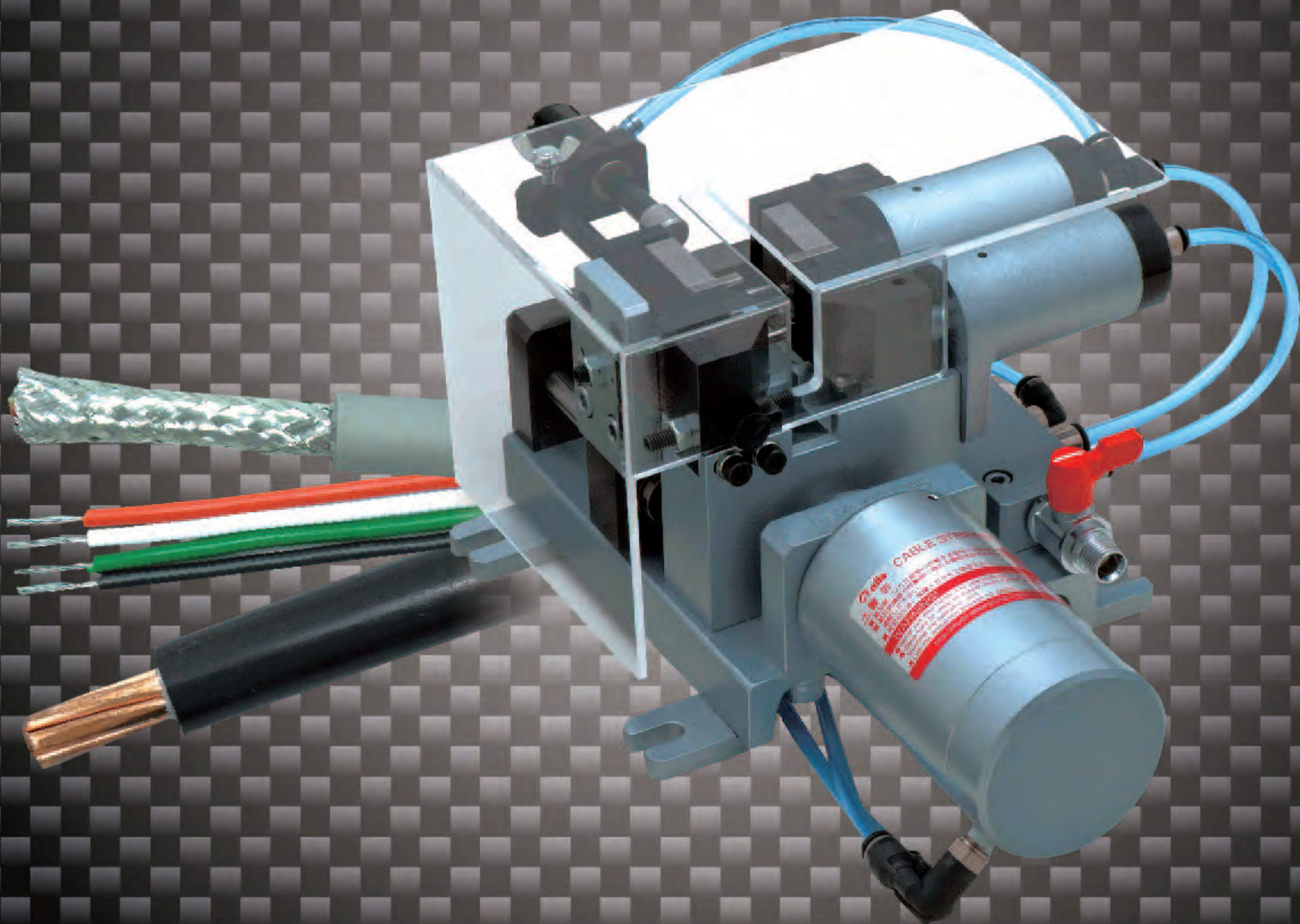
RC6 type specification

Model	Length (mm)	Weight (g)	Grip size (φmm)	Air consumption (cm <sup>3</sup> /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

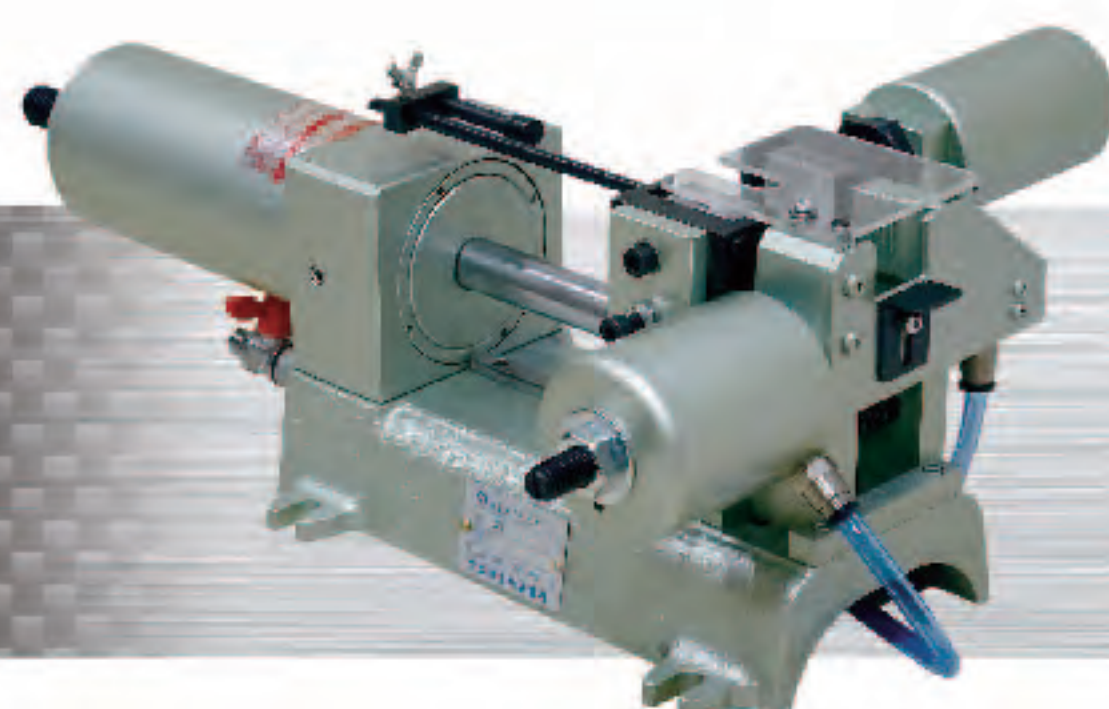
It's suitable for the high-speed stripping of the thin cable.

**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 <sup>3</sup> /stroke)	Air pressure (MPa)	Stripping capacity φ (mm)	Stripping length (mm)	Fitting size
<b>CST35</b>	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 <sup>3</sup> /stroke)	Air pressure (MPa)	Stripping capacity φ (mm)	Stripping length (mm)	Fitting size
<b>CST100</b>	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 <sup>3</sup> /stroke)	Air pressure (MPa)	Stripping capacity φ (mm)	Stripping length (mm)	Fitting size
<b>CST110</b>	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

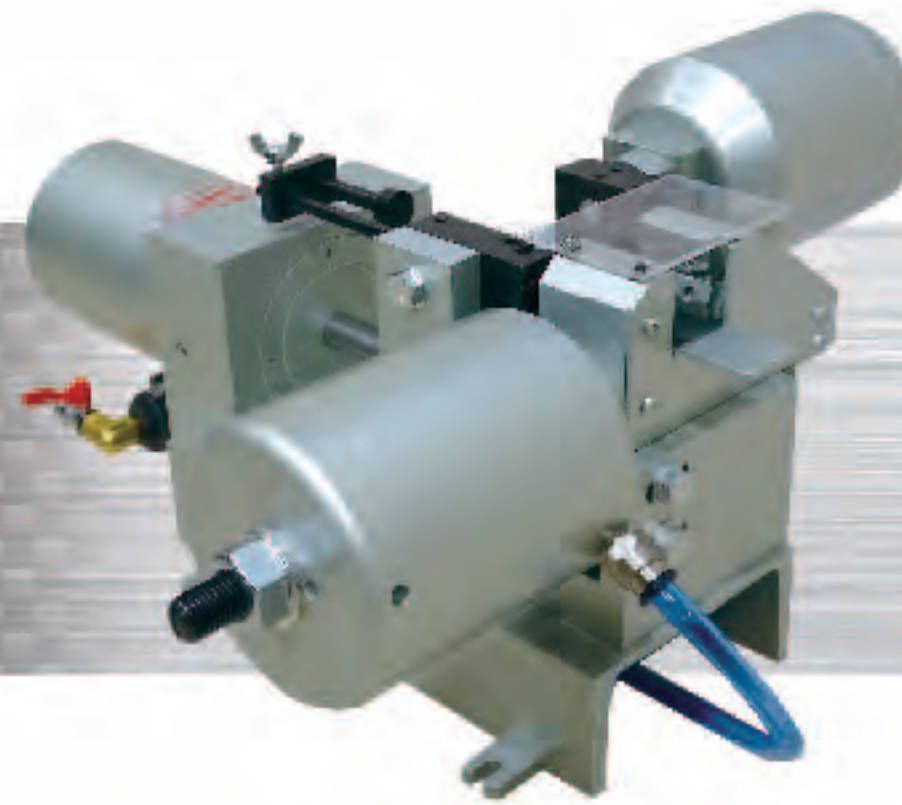
It is suitable for stripping long dimension cable.

**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 <sup>3</sup> /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 <sup>3</sup> /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

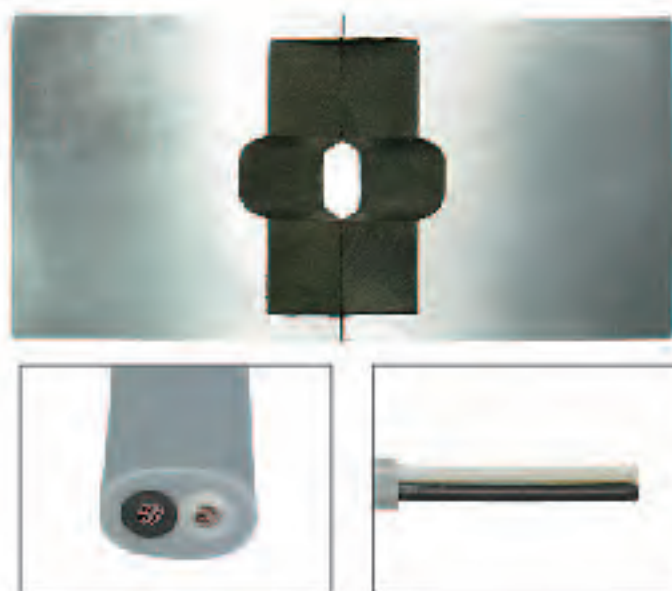
★ Blade sold separately

## Blades

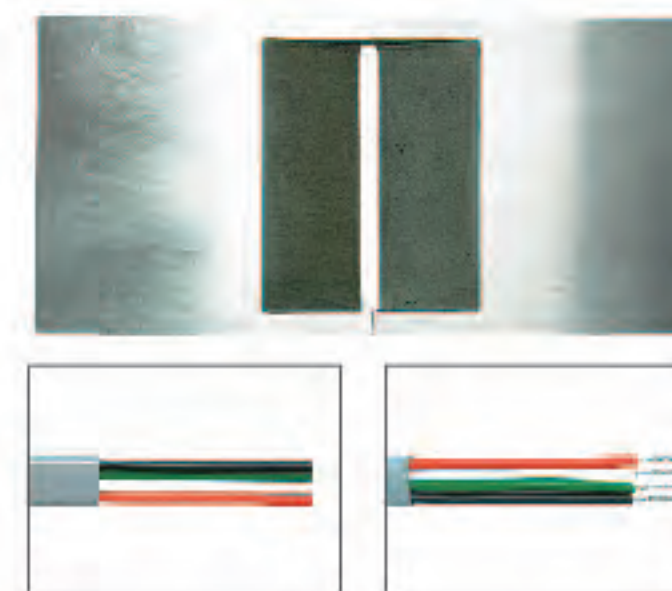
### R-TYPE



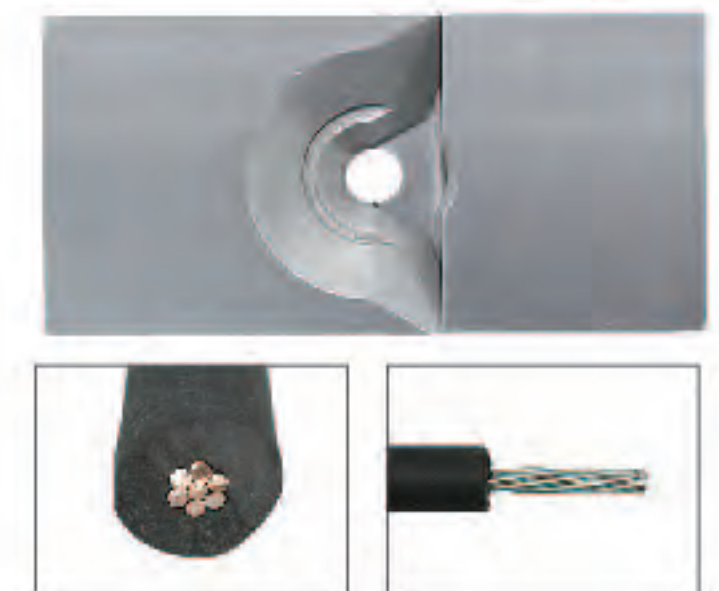
### D-TYPE



### S-TYPE



### V-TYPE



Only the CST35 has standard spare blade set

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

With case

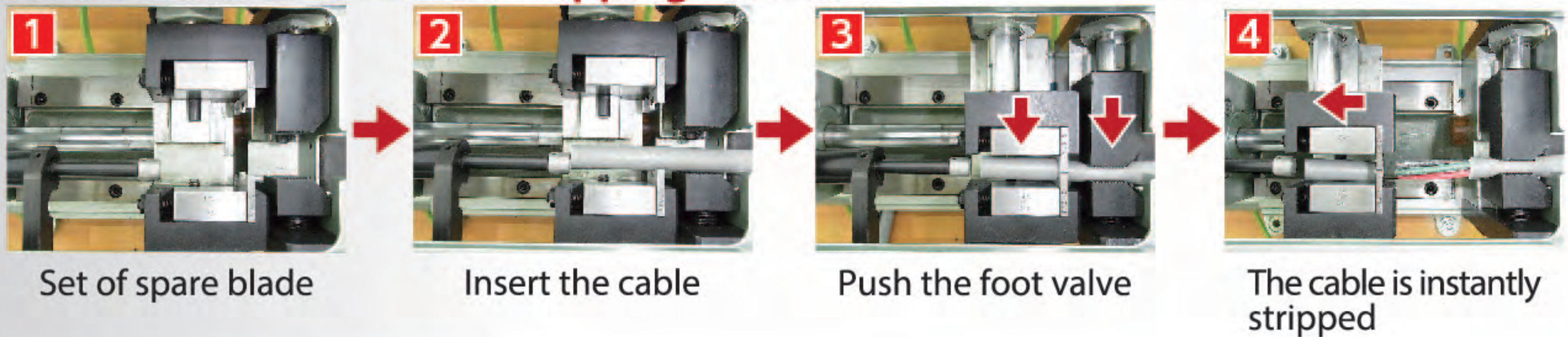


※ It is possible to use two sizes in one set.

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

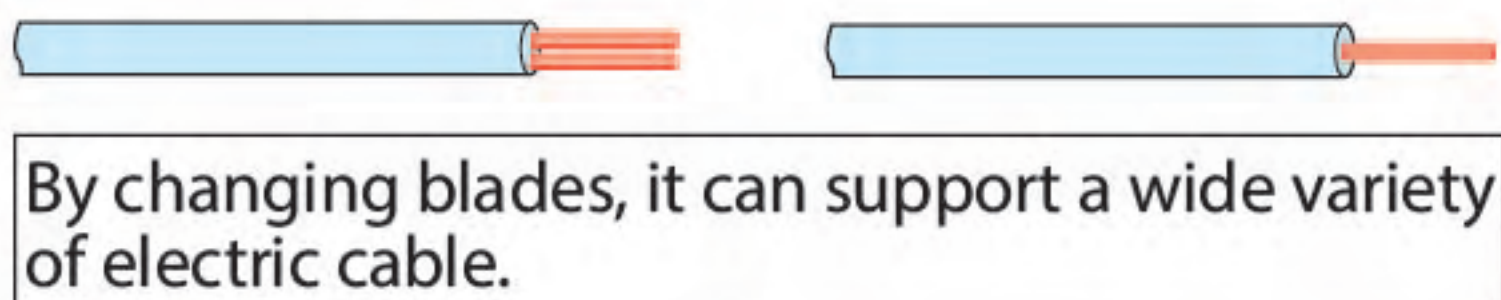
# CABLE STRIPPERS

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



## Example of application

### ● Simple stripping

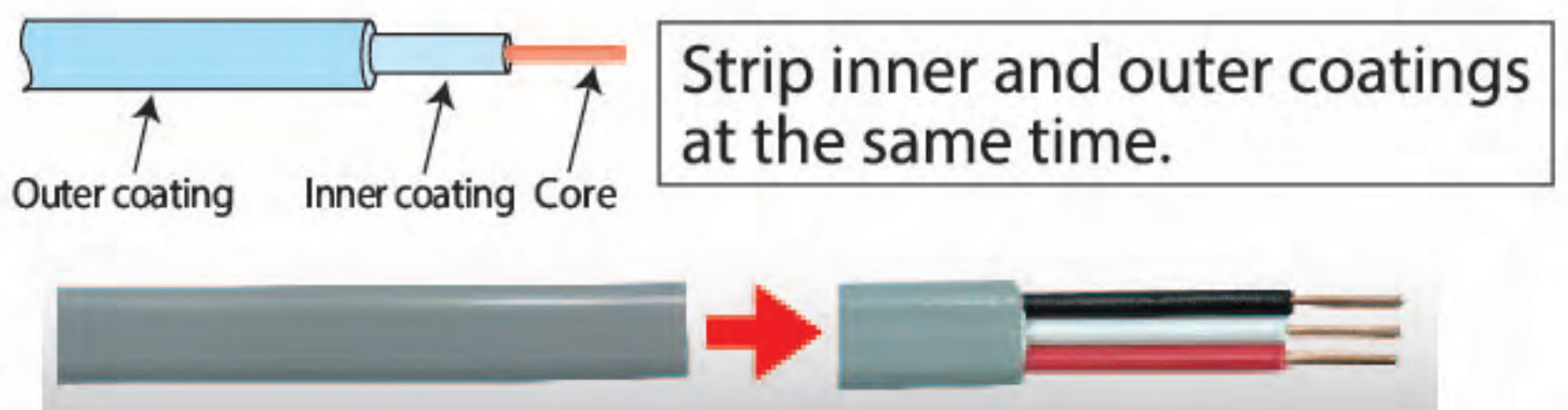


※ Electric cable other than the above is also available. Please contact us once.

### ● Simultaneous stripping of the thin cables (S blade use)



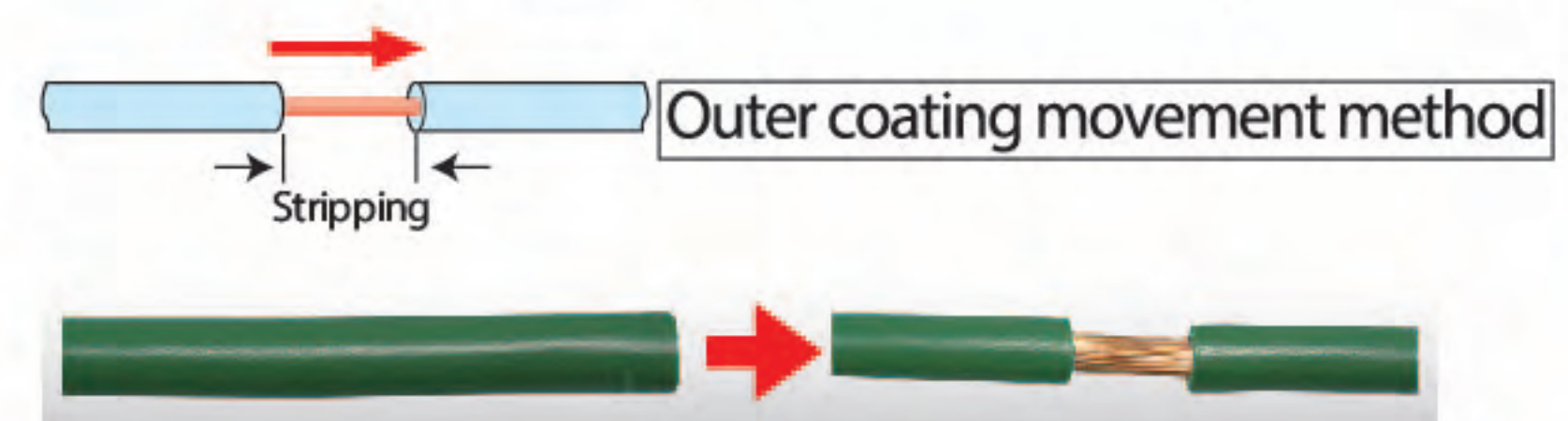
### ● 2 segment stripping (R&S blade use)



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



### ● Middle stripping (R blade use)







nile air tools

# 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  $\phi$  28mm.

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

Appearance	The outer diameter is $\phi$ 28mm (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 ( $\phi$ mm)	Operating range (m)	Burst pressure (MPa)	Working pressure (MPa)	Inner Diameter× Outside Diameter ( $\phi$ 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



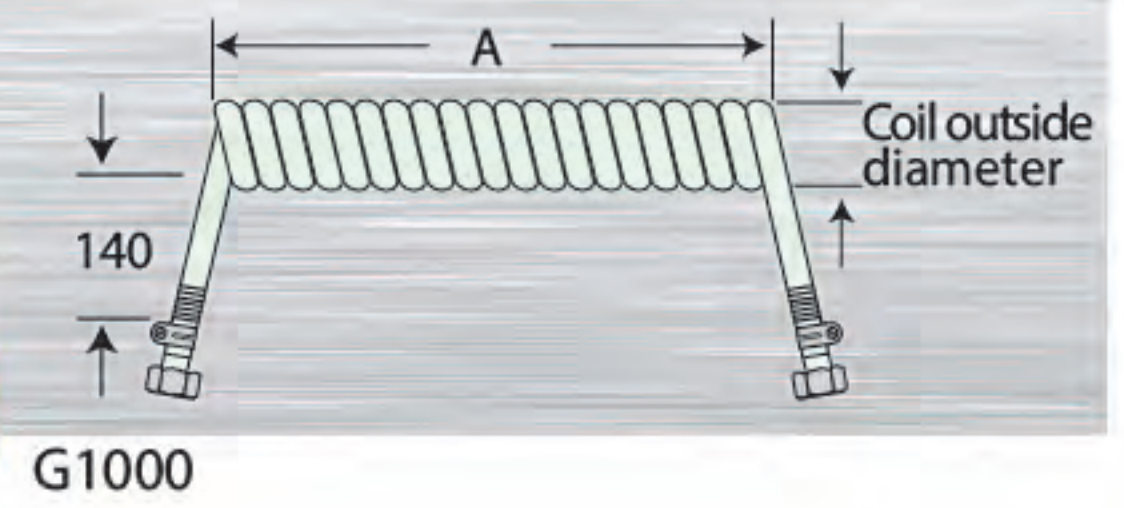
### COIL HOSE specification

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

# COIL HOSE

## Semi-blade hose

### Jumbo COIL HOSE

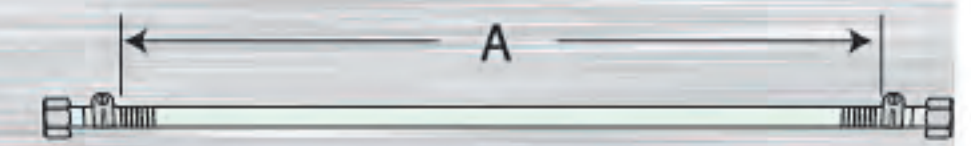


#### Jumbo COIL HOSE specification

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



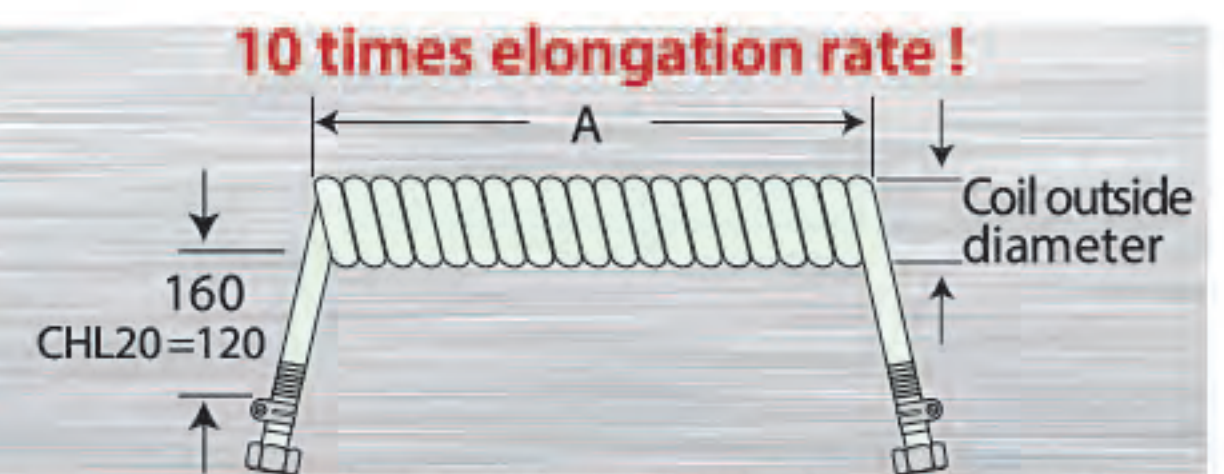
UH5

#### 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



CHL30

**10 times elongation rate!**  
Because it expands 10 times of the full length, the use range will widen.

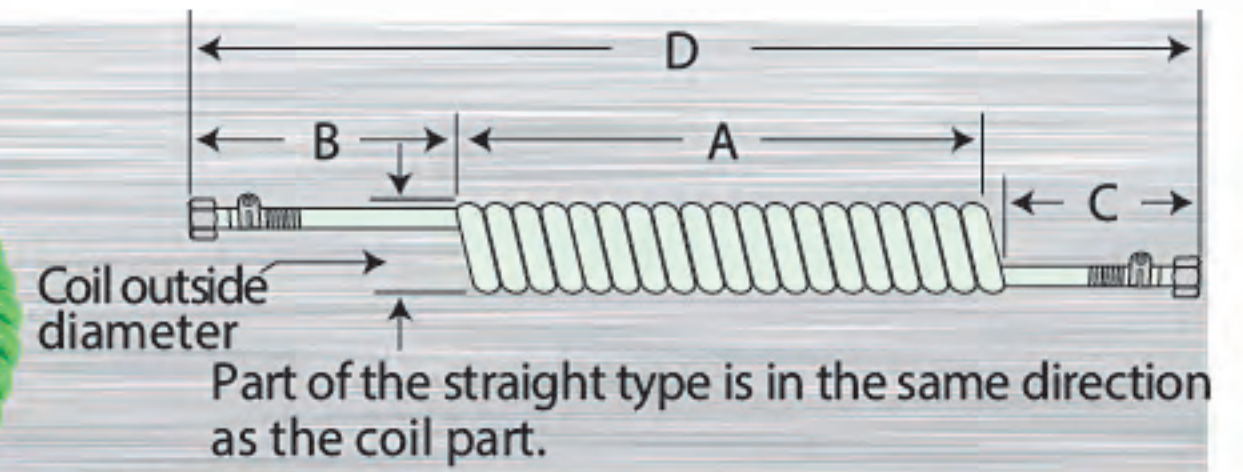
#### CHL type COIL HOSE specification

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



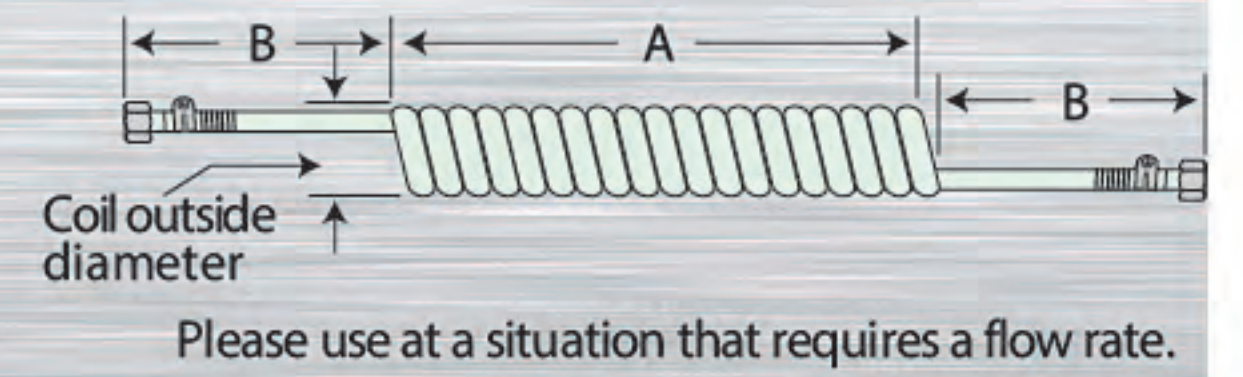
SE70

#### 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



GS750

#### 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