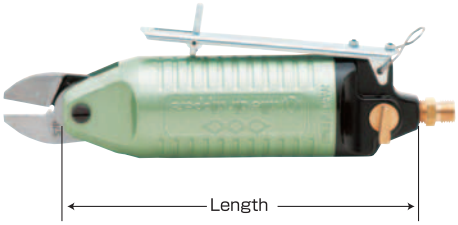
Here is a wide range of "NILE" air cutters to help you achieve higher productivity and remarkable cost saving in cutting, squeezing, pressing, bending and punching jobs for modern industries. Equipped with different types of replaceable cutting blades, these air cutters can be versatile for various applications.

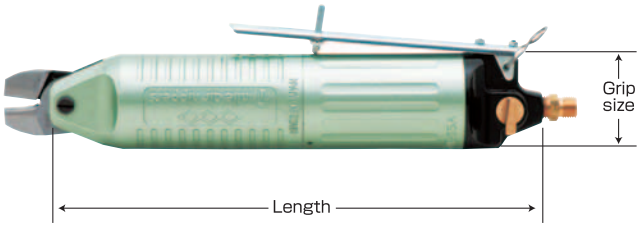
AIR CUTTERS

HAND-HELD TYPE

● MR Type (Standard)



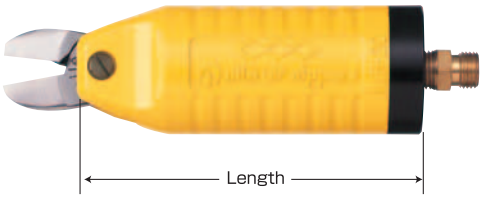
● MP Type (Heavy-duty)



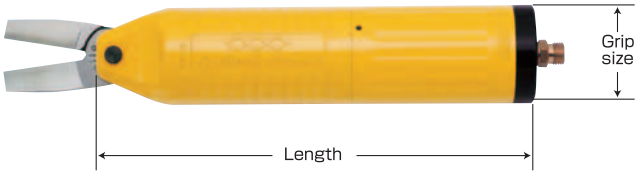
MACHINE-FITTING TYPE

Optimum for mounting on automatic machine!

● MR~M Type

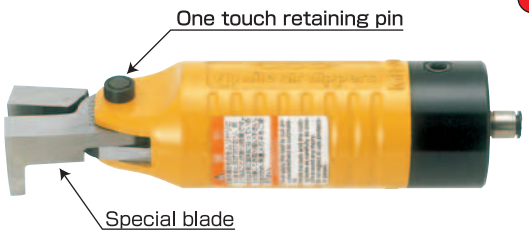


● MP~M Type

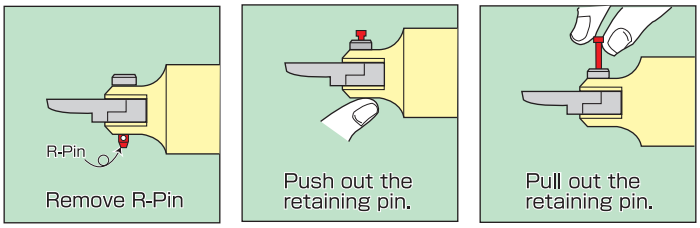


● MR~MG,MP~MG Type

NO TOOL IS NEEDED FOR BLADE REPLACEMENT !



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

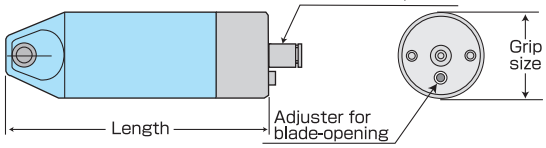


◎ Be sure to secure Retaining Pin with R-Pin attached when Retaining Pin is likely to suffer some drawing-out power or shock. (R-Pin is designed for easy removal.)

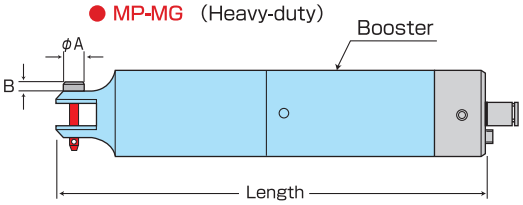
(mm)

Model	φA	B
MR20MG・MP25AMG	11	5
MR30AMG・MP35AMG	12	5

● MR-MG (Standard)



● MP-MG (Heavy-duty)



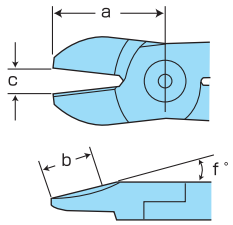
Model (less blade)	Length (mm) / Weight (g)	Grip size (mm) Air consumption	Power (approx.) Air pressure	Blade ※Carbide tipped	Cutting capacity (φmm) Steel wire	Copper wire	Piano wire	Crimping	Plastic Soft	Plastic Hard
MR3	112 / 90	φ20	265N	S20,S20S,EP20,CR20	0.4	0.8	–	–	–	–
				※Z20,Z20S,ZEP20,ZCR20	0.4	0.8	0.2	–	–	–
MR3M	101 / 70	31㎤/stroke	0.4~0.5MPa	F10,F10S,FD10	–	–	–	–	1.0	–
MR5	104 / 130	φ30	390N	S2,S2S,EP2,CR2	0.5	1.0	–	–	–	–
				※Z2,Z2S,ZEP2,ZCR2	0.5	1.0	0.3	–	–	–
MR5M	84 / 100	41㎤/stroke	0.4~0.5MPa	F1,F1S,FD1	–	–	–	–	2.0	–
MR10	124 / 200	φ36	580N	S4,S4S,EP4,CR4	1.0	1.6	–	–	–	–
				※Z4,Z4S,ZEP4,ZCR4	1.0	1.6	0.5	–	–	–
MR10M	105 / 160	105㎤/stroke	0.4~0.5MPa	F3,F3S,FD3,F3LS	–	–	–	–	4.0	2.6
MR20	155 / 340	φ45	1,370N	S5,S5S,P6,EP6,CR6	2.0	2.6	–	–	–	–
MR20M	121 / 270			※Z6,Z6S,ZEP6,ZCR6	2.0	2.6	1.0	–	–	–
MR20MG	136 / 338	268㎤/stroke	0.5~0.6MPa	F5,F5S,FD5,F5LS	–	–	–	–	7.0	5.0
MR30A	191 / 520	φ56	2,740N	S7P,S7PS,P8P,EP10P,CR8P	2.8	3.3	–	–	–	–
MR30AM	157 / 470			※Z8P,Z8PS,ZEP10P,ZCR8P	2.8	3.3	1.2	–	–	–
MR30AMG	172 / 597	631㎤/stroke	0.5~0.6MPa	F9P,F9PS,FD9P	–	–	–	–	10.0	6.5
				A8P,AR8P	–	–	–	1.25/2.0	–	–
MR50AK	237 / 1,290	φ75	4,700N	S120,S120S,P120,EP120,CR120	4.5	5.5	–	–	–	–
				※Z120,Z120S,ZEP120,ZCR120	4.5	5.5	1.6	–	–	–
MR50AM	215 / 1,180	1,285㎤/stroke	0.5~0.6MPa	F120	–	–	–	–	11.0	8.0
				A120,AR120	–	–	–	5.5	–	–
MR50FK	198 / 1,170	φ75	4,100N	F9PF,FD9PF	–	–	–	–	12.0	6.5
MR50FM	173 / 1,040	1,212㎤/stroke	0.5~0.6MPa							
MP25	204 / 480	φ45	1,560N	S250,S250S,CR250	1.8	2.4	–	–	–	–
MP25M	170 / 450	405㎤/stroke	0.5~0.6MPa	F250,F250S,FD250	–	–	–	–	8.0	5.0
MP25A	242 / 560	φ45	1,960N	S5,S5S,P6,EP6,CR6	2.0	2.6	–	–	–	–
MP25AM	208 / 480			※Z6,Z6S,ZEP6,ZCR6	2.0	2.6	1.0	–	–	–
MP25AMG	223 / 560	459㎤/stroke	0.4~0.5MPa	F5,F5S,FD5,F5LS	–	–	–	–	7.0	5.0
MP250	250 / 560	φ45	2,740N	S7P1,S7P1S,P8P1,EP10P1,CR8P1	3.2	4.0	–	–	–	–
				※Z8P1,ZEP10P1,ZCR8P1	3.2	4.0	1.2	–	–	–
MP250M	216 / 510	624㎤/stroke	0.5~0.6MPa	F9P1,F9P1S,FD9P1	–	–	–	–	8.0	6.5
				A8P1,AR8P1	–	–	–	1.25/2.0		
MP35A	283 / 830	φ56	4,410N	S7P,S7PS,P8P,EP10P,CR8P	4.0	4.8	–	–	–	–
MP35AM	249 / 790			※Z8P,Z8PS,ZEP10P,ZCR8P	4.0	4.8	–	–	–	–
MP35AMG	264 / 924	1,146㎤/stroke	0.5~0.6MPa	F9P,F9PS,FD9P	–	–	1.2	–	13.0	6.5
				A8P,AR8P	–	–	–	2.0/5.5	–	–
MP55AK	370 / 2,000	φ75	7,740N	S120,S120S,P120,EP120,CR120	6.0	7.0	–	–	–	–
				※Z120,Z120S,ZEP120,ZCR120	6.0	7.0	2.0	–	11.0	8.0
MP55AM	384 / 2,000	2,569㎤/stroke	0.5~0.6MPa	F120	–	–	–	–	–	–
				A120,AR120	–	–	–	8.0	–	–

"NILE" BRAND AIR TOOLS !

① Section of blade
A: Single blade
B: Standard
C: Full-flush round type
D: Full-flush flat type

STANDARD BLADES FOR AIR CUTTERS
(SHAPES & DIMENSIONS of BLADES)

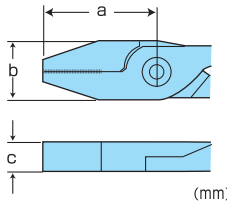
S Type : Standard Blades



(mm)

Blade	a	b	c	f °	①
S20	24	12	2.5	25	A
S2	24	12	3.0	25	A
S4	27	14	5.0	25	A
S5	35	17	7~8	30	A
S250	43	20	10.0	15	A
S7P	43	20	7~8	30	A
S7P1	43	20	7.0	30	A
S120	45	22	9~10	35	B

Y Type : Pincers

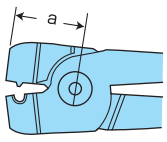


(mm)

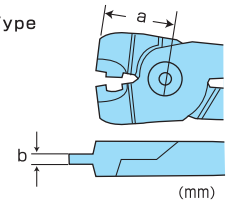
Blade	a	b	c
Y6	47	23	12
Y8P	70	37	17
Y120	60	50	25

A・AR Type : Crimping

A Type



AR Type

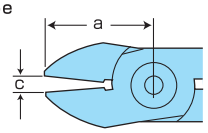


(mm)

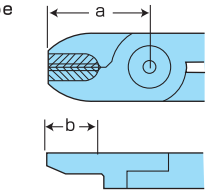
Blade	a	b
A8P-1.25	30	5.8
A8P-2.0	30	5.8
A8P-5.5	32	5.8
AR8P-1.25	31.5	6.5
AR8P-2.0	32.5	6.5
AR8P-5.5	34.5	6.5

S~S Type : Flat surface
Z~S Type : Carbide tipped for hard wire

S~S Type



Z~S Type

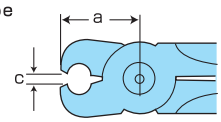


(mm)

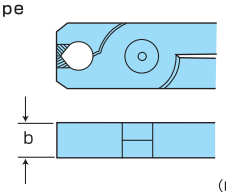
Blade	a	b	c	①
S20S	24	12	2.5	A
S2S	24	12	3.0	A
S4S	27	13	5.0	A
S5S	35	17	7~8	A
S250S	43	23	10.0	A
S7PS	43	20	7~8	A
S7P1S	43	22	7.0	A
S120S	55	30	10~11	B
Z20S	24	11	2.5	A
Z2S	24	11	3.0	A
Z4S	27	11	5.0	A
Z6S	34	16	6~7	B
Z8PS	40	17	6~7	B
Z120S	40	17	7.0	B

EP Type : End cutting edge
ZEP Type : Carbide tipped for hard wire

EP Type



ZEP Type

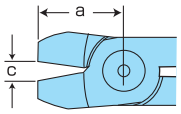


(mm)

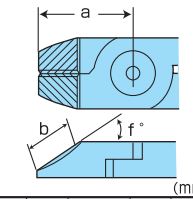
Blade	a	b	c	①
EP20, ZEP20	20	7	2.0	B
EP2, ZEP2	20	7	2.5	B
EP4, ZEP4	26	9	5.0	B
EP6, ZEP6	28	12	5.5~6.5	B
EP10P, ZEP10P	34	17	5.5~6.5	B
EP10P1, ZEP10P1	34	17	5.5~6.5	B
EP120, ZEP120	40	25	8~9	B

P Type : Heavy-duty
Z Type : Carbide tipped for hard wire

P Type



Z Type

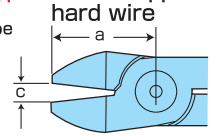


(mm)

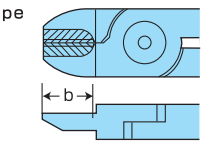
Blade	a	b	c	f °	①
P6	29	11	6.0	35	B
P8P	37	12	6~7	25	B
P8P1	37	12	5.0	25	B
P120	40	16	8~9	35	B
Z20	24	11	2.5	25	A
Z2	24	11	3.0	25	A
Z4	27	10	5.0	25	A
Z6	30	15	6.0	35	B
Z8P	38	20	6~7	40	B
Z120	40	17	7~8	35	B

C R Type : Clipper edge
ZCR Type :Carbide tipped for hard wire

CR Type



ZCR Type

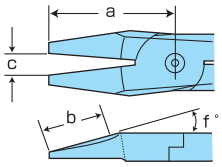


(mm)

Blade	a	b	c	①
CR20	24	12	2.5	A
CR2	24	12	3.0	A
CR4	27	11.5	4.5	A
CR6	35	17	7~8	A
CR250	43	22	11.0	A
CR8P	43	22	7~8	A
CR8P1	43	22	7~8	A
CR120	61	36	11.5~13	B
ZCR20	24	10	2.5	A
ZCR2	24	10	3.0	A
ZCR4	27	10	5.0	A
ZCR6	35	16	7~8	B
ZCR8P	38	16	6~7	B
ZCR8P1	38	16	6.0	B
ZCR120	40	16	7~8	B

F Type : Plastic cutting

F Type

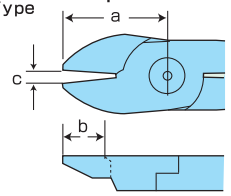


(mm)

Blade	a	b	c	f°	①
F10	24	12	2.5	15	C
F1	24	12	3.0	15	C
F3	27	12	5.0	25	C
F5	35	15	9~10	15	C
F250	43	17	13.0	15	C
F9P	66	38	16.0	16	C
F9P1	66	38	10.5	15	C
F120	53	35	12~13	30	C

F~S Type : Flat surface for plastic

F~S Type

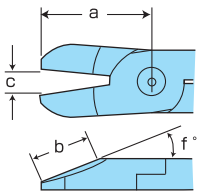


(mm)

Blade	a	b	c	①
F10S	24	12	2.5	D
F1S	24	12	3.0	D
F3S	27	13	5.0	D
F5S	35	16	9~10	D
F250S	43	23	13.0	D
F9PS	66	37	16.0	D
F9P1S	65	39	9.0	D
F3LS	50	30	8.0	D
F5LS	65	37	15.0	D

FD Type : Level cutting for plastic

FD Type



(mm)

Blade	a	b	c	f°	①
FD10	24	10	2.5	40	C
FD1	24	10	3.0	40	C
FD3	27	10	4.5~5.0	40	C
FD5	35	14	9~10	40	C
FD250	43	15	13.0	40	C
FD9P	59	27	14~15	30	C
FD9P1	59	27	9.0	30	C

Cutting capacity List

For copper wire

Diameter φ mm	Model	Blade
0.8	MR3	S20
1.0	MR5	S2
1.6	MR10	S4
2.6	MR20	S5
2.6	MP25A	S5
3.3	MR30A	S7P
4.0	MP250	S7P1
4.8	MP35A	S7P
5.5	MR50AK	P120
7.0	MP55AK	P120

For steel wire

Diameter φ mm	Model	Blade
1.0	MR10	S4
2.0	MR20	P6
2.0	MP25A	P6
2.8	MR30A	P8P
3.2	MP250	P8P1
4.0	MP35A	P8P
4.5	MR50AK	P120
6.0	MP55AK	P120

For soft plastics

Diameter φ mm	Model	Blade
1.0	MR3	F10
2.0	MR5	F1
4.0	MR10	F3
7.0	MR20	F5
8.0	MP25	F250
10.0	MR30A	F9P
13.0	MP35A	F9P
12.0	MR50FK	F9PF

For piano wire

Diameter φ mm	Model	Blade
0.3	MR5	Z2
0.5	MR10	Z4
1.0	MR20	Z6
1.2	MR30A	Z8P
1.6	MR50AK	Z120
2.0	MP55AK	Z120

For stainless wire

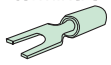
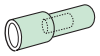
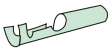
Diameter φ mm	Model	Blade
1.6	MR20	P6
1.6	MP25A	P6
2.0	MR30A	P8P
2.3	MP250	P8P1
2.8	MP35A	P8P
3.5	MR50AK	P120
4.3	MP55AK	P120

For hard plastics

Diameter φ mm	Model	Blade
1.0	MR5	F1
2.6	MR10	F3
5.0	MR20	F5
6.5	MR30A	F9P

※ Bakelite,polyacetal acrylic resin etc.

Crimping capacity List

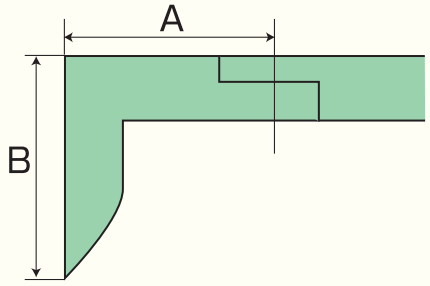
Shape of terminals	Size (sq)	Model & Blade
Ring terminals 	1.25	MR30A/A8P-1.25
	2.0	MR30A/A8P-2.0
	5.5	MP35A/A8P-5.5
	8.0	MP55AK/A120-8.0
Insulated terminals 	1.25	MP35A/AZ8P-1.25
	2.0	MP35A/AZ8P-2.0
Insulated connectors 	1.25	MR30A/AR8P-1.25
	2.0	MR30A/AR8P-2.0
	5.5	MP35A/AR8P-5.5
	8.0	MP55AK/AR120-8.0
Faston terminals 	1.25	MP35A/AC8WP-1.25
	2.0	MP35A/AC8WP-2.0

SPECIAL BLADES

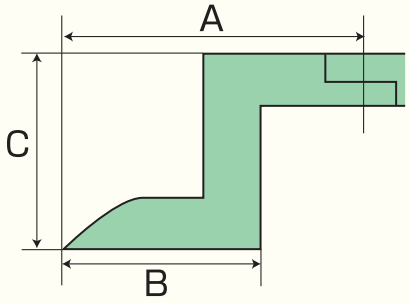
The dimensions (A,B,C,D&R) are required for designing and quoting special blades such as below illustrated.

B:length of edge R:radius D:angle

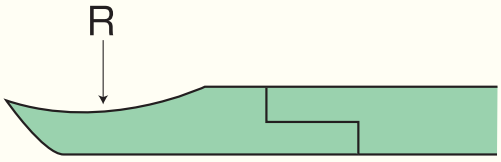
1 "L" shape blade



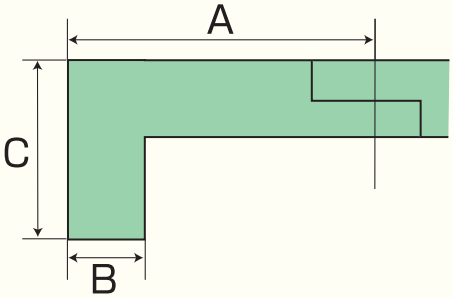
2 Crank shape blade



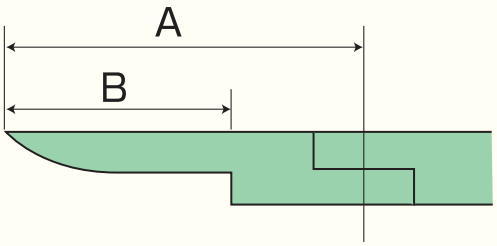
3 Radius cutting blade



4 "L" shape end cutting blade



5 Long nose blade



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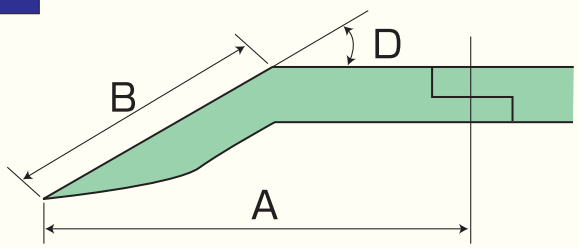
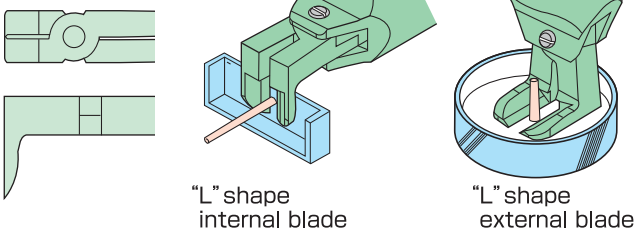


SPECIAL BLADES

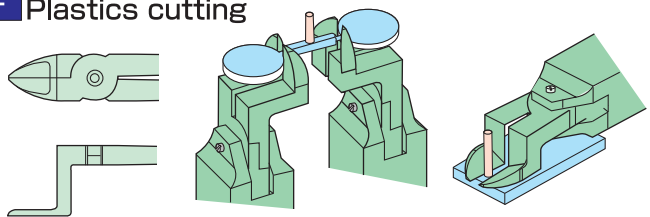
Some examples of custom-made blades
(Designed to meet your particular application.)

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.

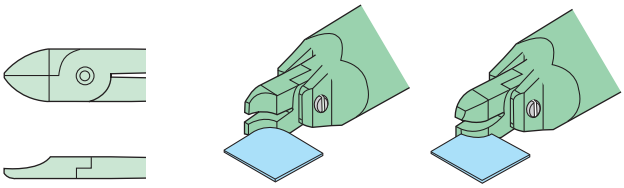
1 Plastics cutting



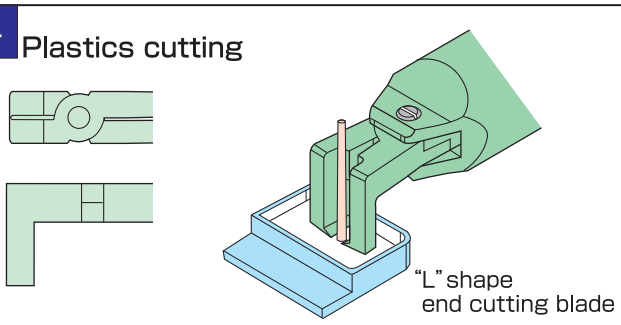
2 Plastics cutting



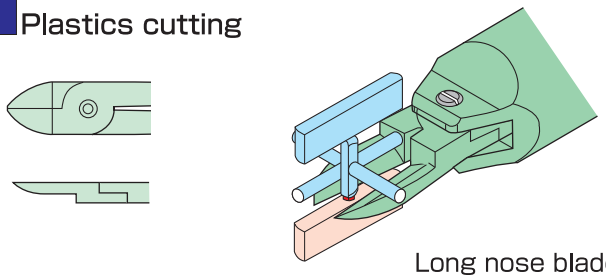
3 Radius cutting of plastics



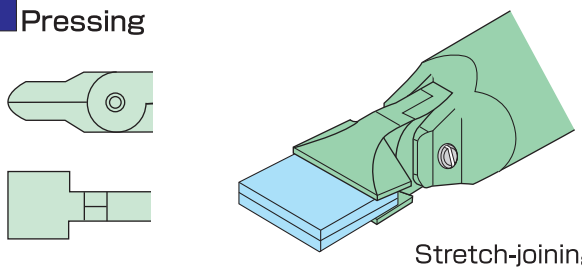
4 Plastics cutting



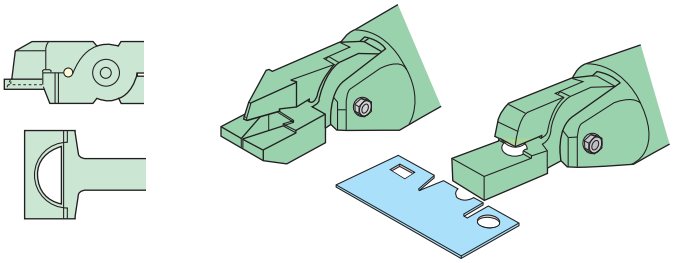
5 Plastics cutting



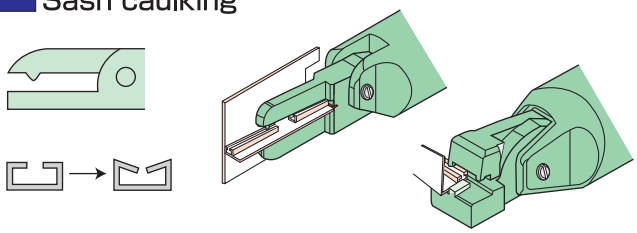
6 Pressing



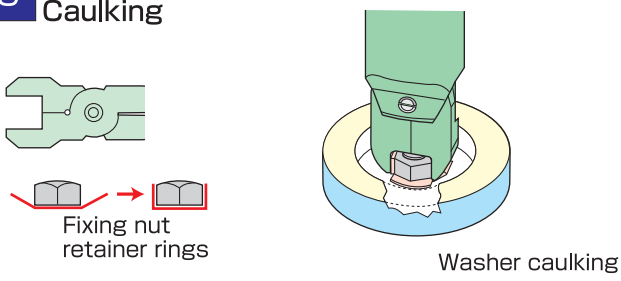
7 Punching various holes



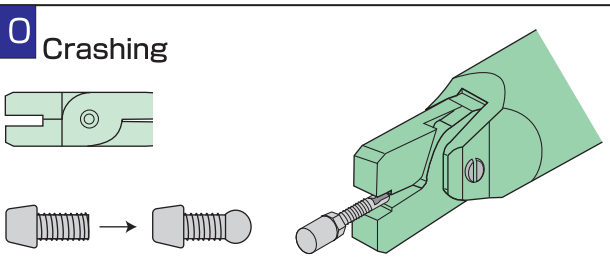
8 Sash caulking



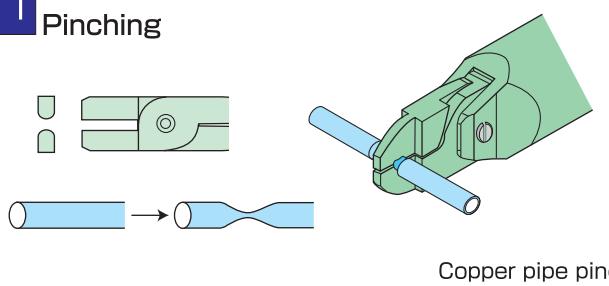
9 Caulking



10 Crashing



11 Pinching



12 Bending