MUROMOTO TEKKO CO., LTD.

nile air tools

MERRY

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

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AGENT

Specifications are subject to change without notice.

MERRY & NILE CATALOG
MUROMOTO TEKKO CO., LTD.

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Technical capabilities and achievements

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

nile air tools

AIR CUTTERS

HAND-HELD TYPE

AIR CUTTERS 〈HAND-HELD TYPE〉

HAND-HELD TYPE

MR Type
Standard

MP Type
Heavy-duty

MR type specification

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

MP type specification

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

MR type Blade cutting capacity

(ϕmm)

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

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

MP type Blade cutting capacity

(ϕmm)

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

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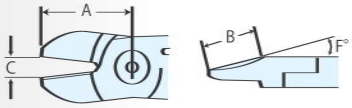
BLADE

BLADE

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

S Type

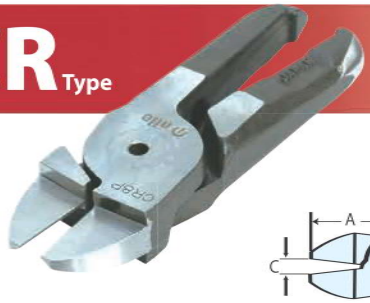
Standard Blades

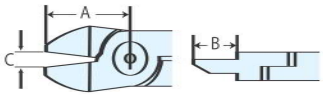


Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
S20	24.0	12.0	2.5	25	Single blade
S2	24.0	12.0	3.0	25	Single blade
S4	27.0	14.0	5.0	25	Single blade
S5A	35.0	17.0	5.5	30	Single blade
S5	35.0	17.0	7.0	30	Single blade
S250	43.0	20.0	10.0	15	Single blade
S7P1	43.0	20.0	7.0	30	Single blade
S9P1	65.0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

CR Type

Clipper edge

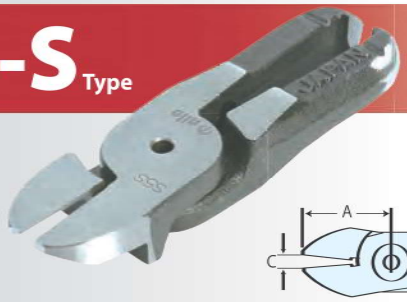


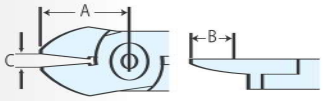


Model	Dimensions (mm)			Section of blade
	A	B	C	
CR20	24.0	13.0	2.5	Single blade
CR2	24.0	13.0	3.0	Single blade
CR4	27.0	12.5	4.5	Single blade
CR6A	35.0	18.0	5.0	Single blade
CR6	35.0	18.0	7.0	Single blade
CR250	43.0	22.0	11.0	Single blade
CR8P1	43.0	23.0	7.0	Single blade
CR8P	43.0	23.0	7.0	Single blade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

S-S Type

Flat surface

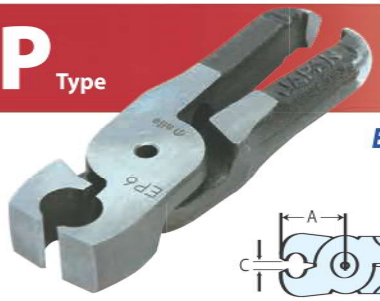


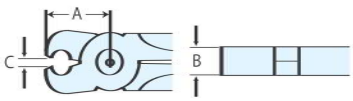


Model	Dimensions (mm)			Section of blade
	A	B	C	
S20S	24.0	12.0	2.5	Single blade
S2S	24.0	12.0	3.0	Single blade
S4S	27.0	13.0	5.0	Single blade
S5AS	35.0	17.0	5.5	Single blade
S5S	35.0	17.0	7.0	Single blade
S250S	43.0	23.0	10.0	Single blade
S7P1S	43.0	22.0	7.0	Single blade
S7PS	43.0	20.0	7.0	Single blade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

EP Type

End cutting edge

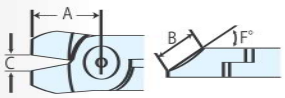




Model	Dimensions (mm)			Section of blade
	A	B	C	
EP20	20.0	7.0	2.0	Standard
EP2	20.0	7.0	2.5	Standard
EP4	26.0	9.0	4.5	Standard
EP6A	28.0	12.0	4.5	Standard
EP6	28.0	12.0	5.5	Standard
EP10P1	34.0	17.0	5.5	Standard
EP10P	34.0	17.0	5.5	Standard
EP120	40.0	25.0	8.0	Standard

P Type

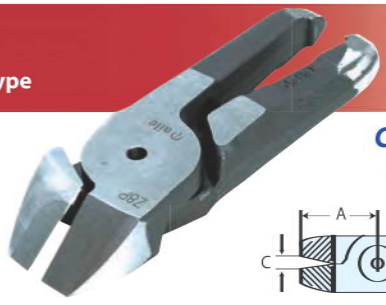
Heavy-duty

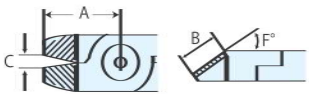


Model	Dimensions (mm)				Section of blade
	A	B	C	F°	
P6A	29.0	12.0	4.5	35	Single blade
P6	29.0	11.0	6.0	35	Standard
P8P1	37.0	12.0	5.0	25	Standard
P8P1S	37.0	15.0	5.0	–	Standard
P8P	37.0	12.0	6.0	25	Standard
P8PS	37.0	12.0	6.0	–	Standard
P120	40.0	16.0	8.0	35	Standard

Z Type

Carbide tipped for hard wire





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

BLADE

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

Z-S Type

Carbide tipped for hard wire

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

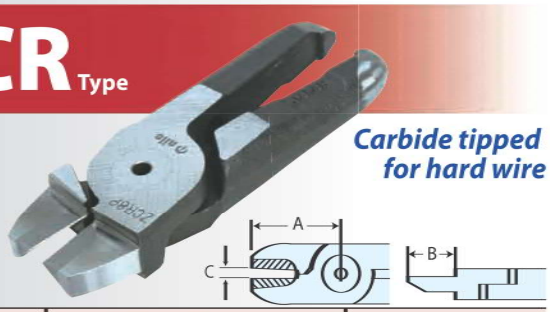
F Type

Plastic edge

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

ZCR Type

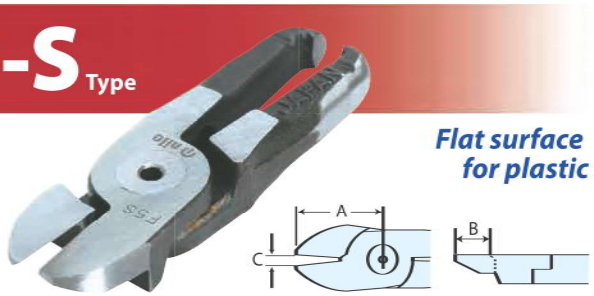
Carbide tipped for hard wire



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

F-S Type

Flat surface for plastic



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

ZEP Type

Carbide tipped for hard wire

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

FD Type

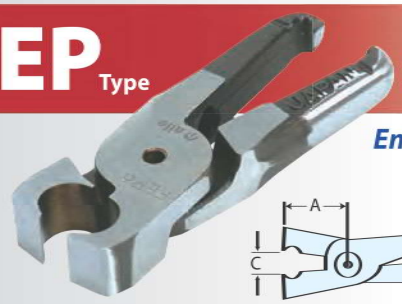
Level cutting for plastic

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

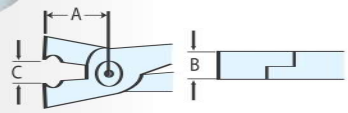
BLADE

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

FEP Type



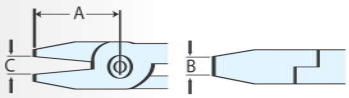
End cutting edge for plastic



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

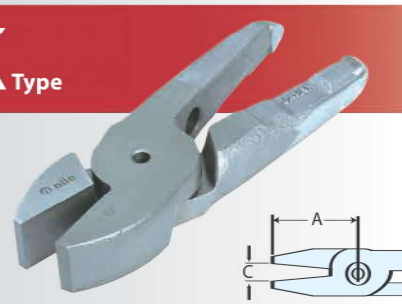
Y Type

Pincers Cross Surface

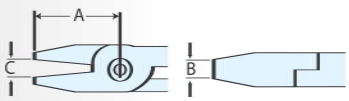


Model	Dimensions (mm)		
	A	B	C
Y20	24.0	7.0	2.5
Y2	24.0	7.0	3.0
YT7	27.0	9.0	4.0
Y4	27.0	9.0	5.0
Y6A	47.0	6.0	9.0
Y6J	47.0	6.0	6.0
Y6	47.0	6.0	10.0
Y250	45.0	12.0	14.0
Y8P1	70.0	17.0	12.5
Y8P	70.0	17.0	16.0
Y817P	65.0	17.0	16.0
Y120	60.0	25.0	13.0

K Type

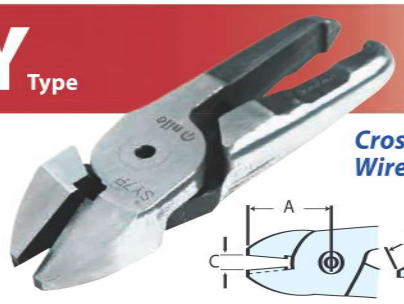


Pincers

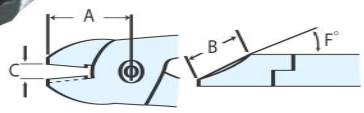


Model	Dimensions (mm)		
	A	B	C
K6A	35.0	12.0	5.5
K6J	35.0	12.0	5.0
K6	35.0	12.0	7.0
K8P1	43.0	17.0	7.0
K8P	43.0	17.0	10.0

SY Type

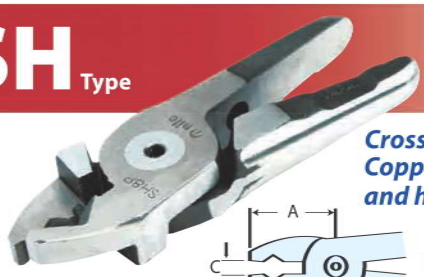


Crossing blade Wire holding type



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

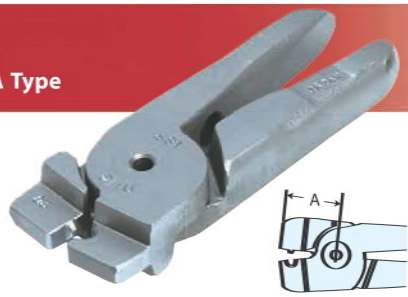
SH Type



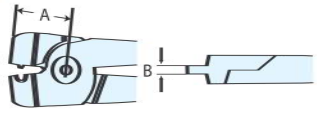
Crossing blade Copper pipe cutting and holding type

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

A Type

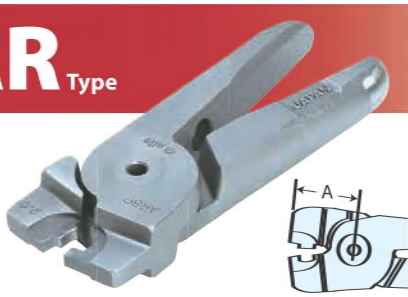


Crimping

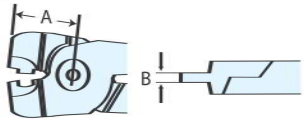


Model	Dimensions (mm)	
	A	B
A8P1-1.25	30.0	5.8
A8P1-2.0	30.0	5.8
A8P-1.25	30.0	5.8
A8P-2.0	30.0	5.8
A8P-5.5	32.0	5.8
A8WP-1.25-2.0	39.5	5.8
A8WP-2.0-5.5	39.0	6.0

AR Type



Crimping



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

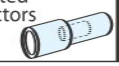
BLADE

Cutting capacity List

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

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

※ Bakelite,polyacetal acrylic resin etc.

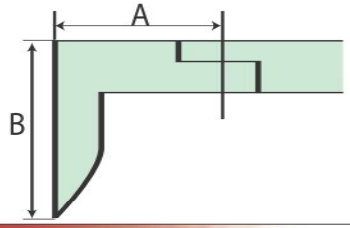
Shape of terminals	Size (SQ)	Model&Blade
Ring terminals	1.25	MR30A/A8P-1.25
	2.0	MR30A/A8P-2.0
	5.5	MP35A/A8P-5.5
Insulated connectors 	1.25	MR30A/AR8P-1.25
	2.0	MR30A/AR8P-2.0
	5.5	MP35A/AR8P-5.5

SPECIAL BLADES

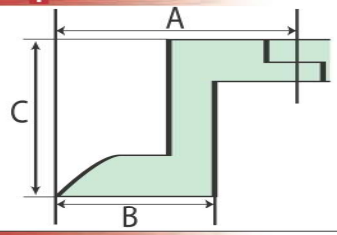
The dimensions (A,B,C,D&R) are required for designing and quoting special blades such as below illustrated.

B:length of edge R:radius D:angle

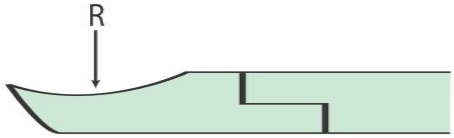
1 "L" shape blade



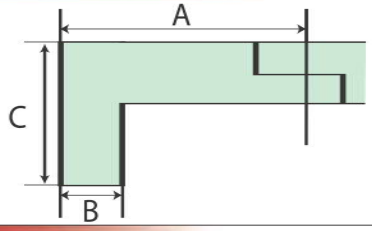
2 Crank shape blade



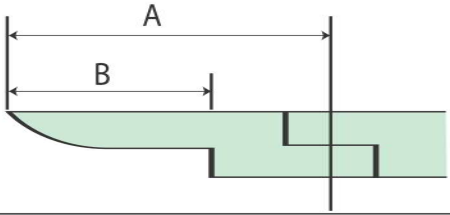
3 Radius cutting blade



4 "L" shape end cutting blade



5 Long nose blade



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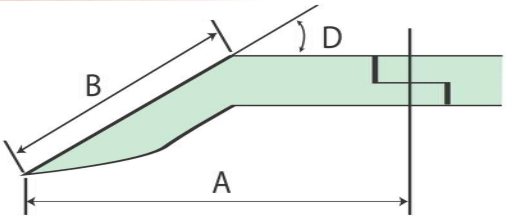


BLADE

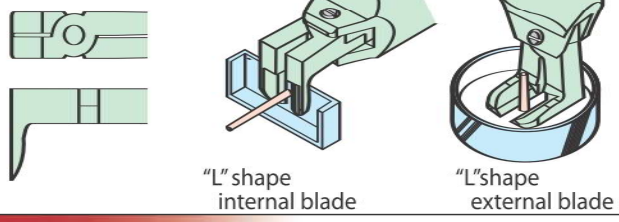
SPECIAL BLADES

Some examples of custom-made blades

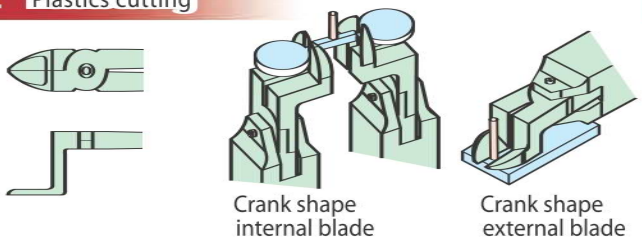
(Designed to meet your particular application.)

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

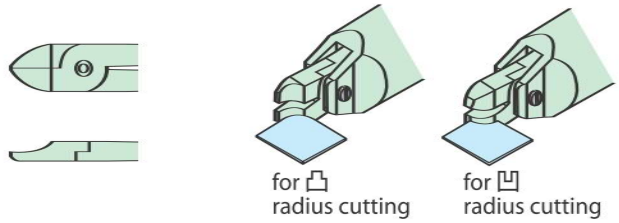
1 Plastics cutting



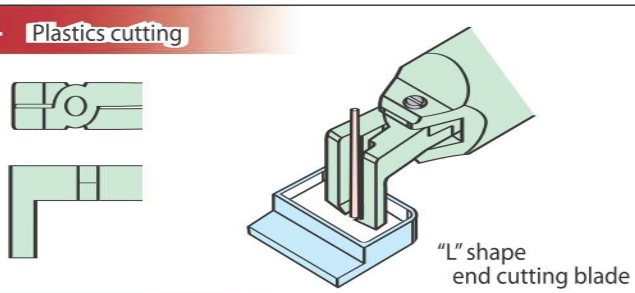
2 Plastics cutting



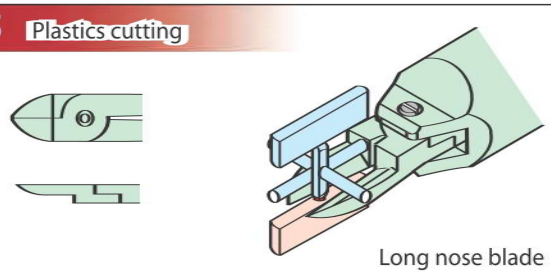
3 Radius cutting of plastics



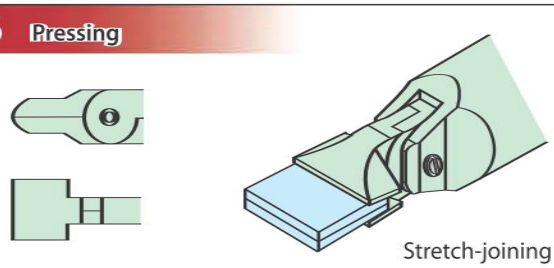
4 Plastics cutting



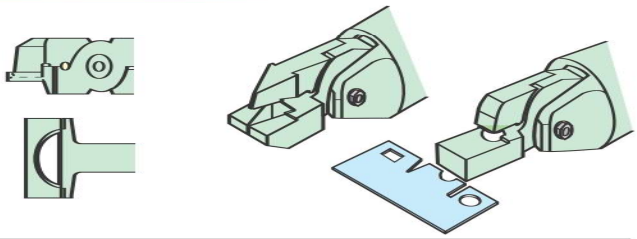
5 Plastics cutting



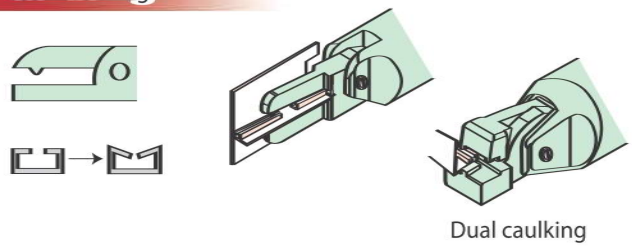
6 Pressing



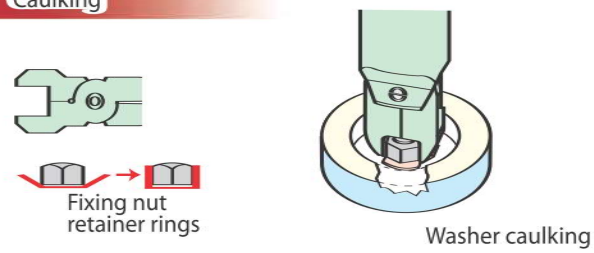
7 Punching various holes



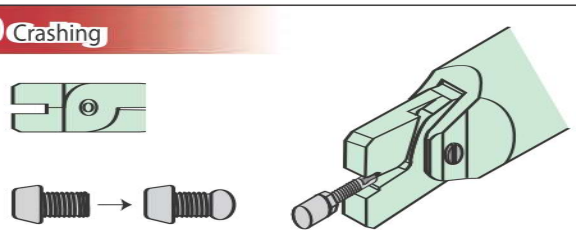
8 Sash caulking



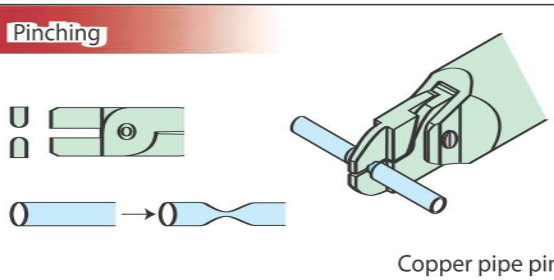
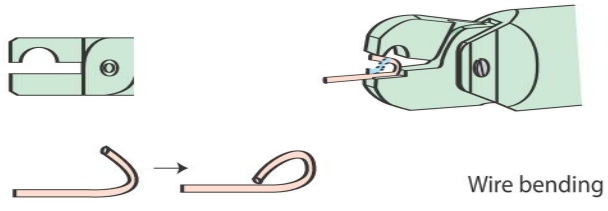
9 Caulking



10 Crashing



11 Pinching



12 Bending