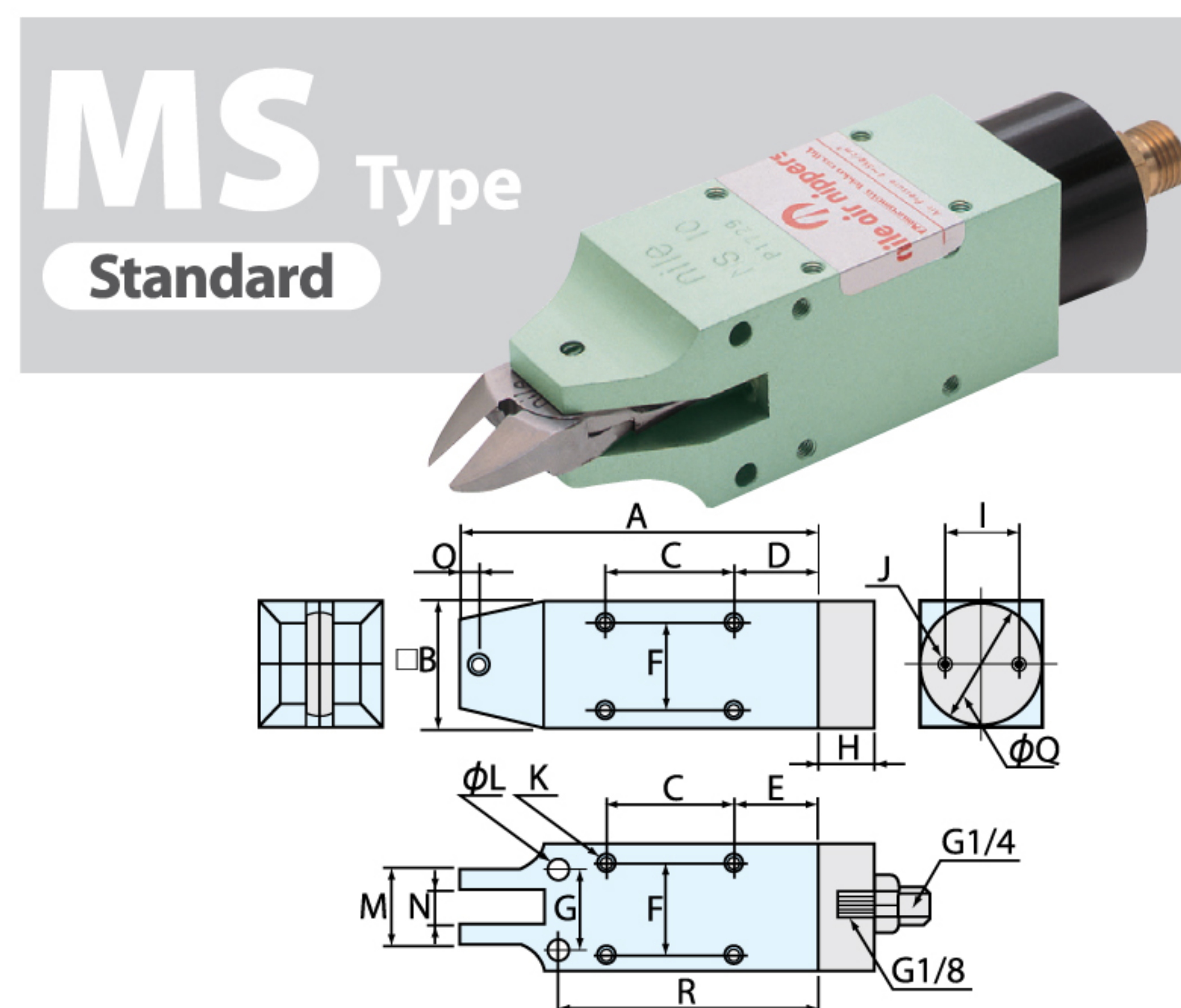


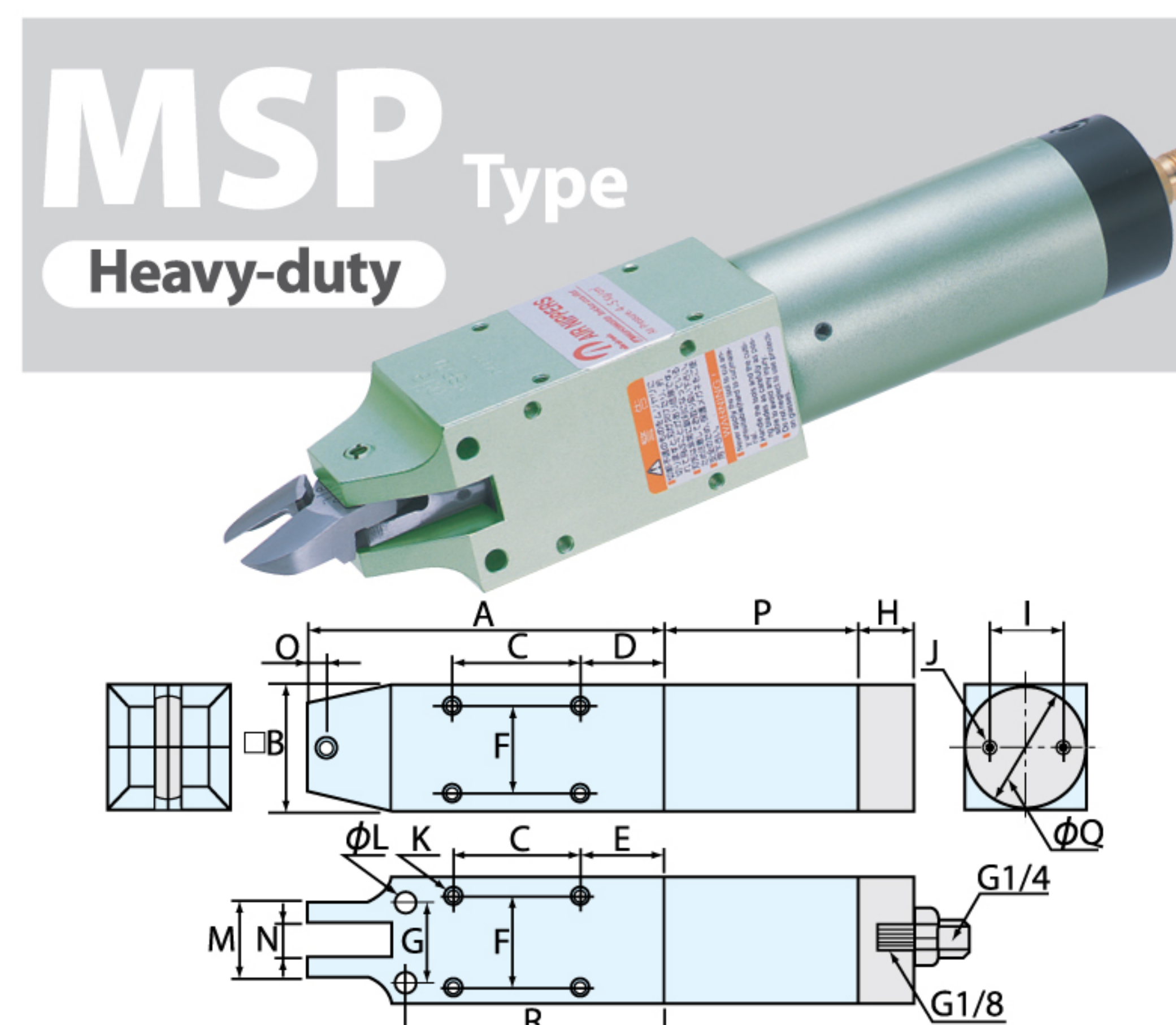
Square Air Cutters

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

MACHINE-FITTING TYPE



MACHINE-FITTING TYPE



MS type specification

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

MSP type specification

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

MS type Blade cutting capacity

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

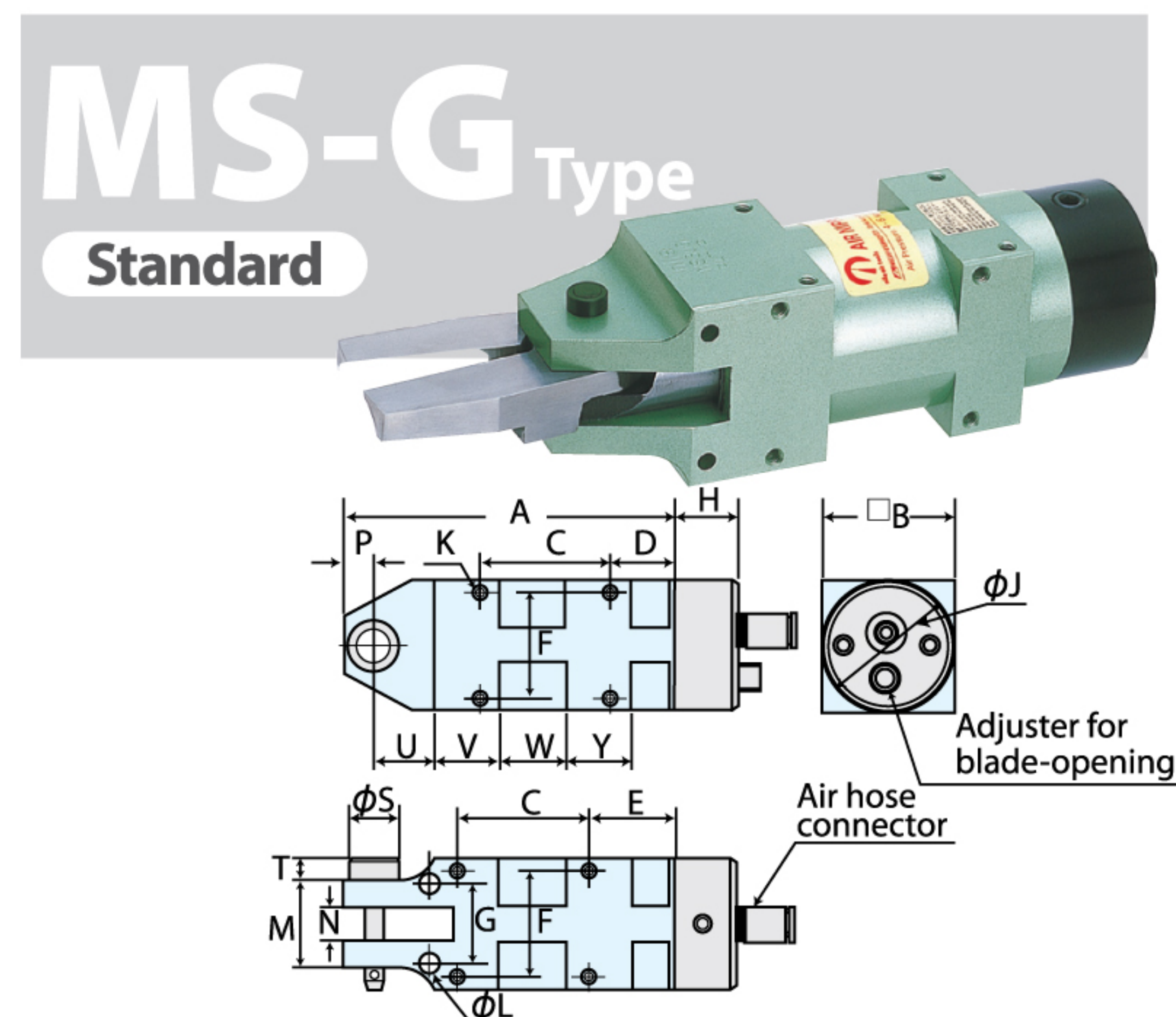
MSP type Blade cutting capacity

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

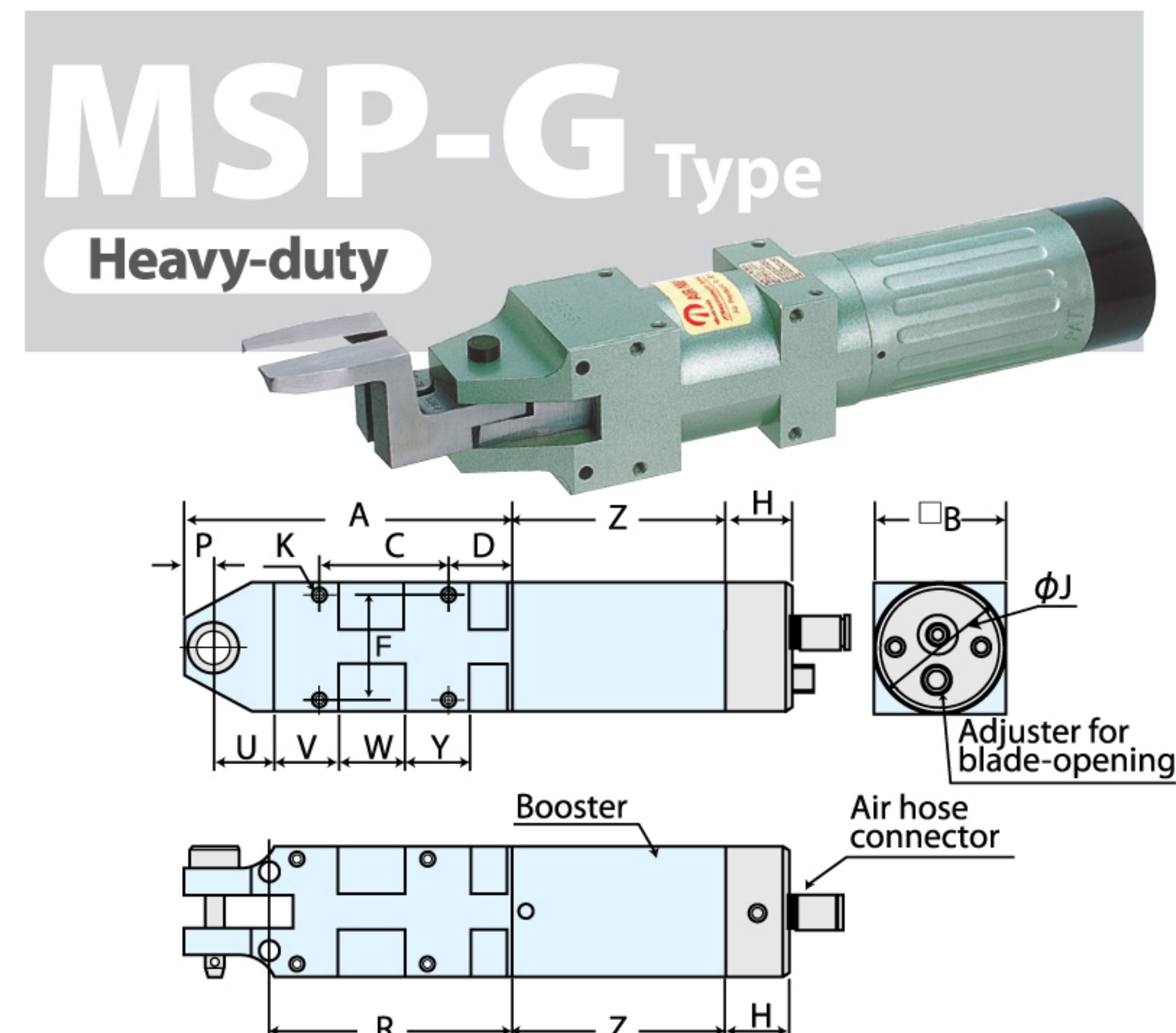
Square Air Cutters

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

MACHINE-FITTING TYPE



MACHINE-FITTING TYPE



MS-G type specification

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

MSP-G type specification

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

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

MSP-G type Blade cutting capacity

Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic (φmm)	
							Soft	Hard
MSP3G	S20, S20S, CR20, EP20	0.8	0.4	—	—	—	—	—
	Z20*, Z20S, ZCR20, ZEP20	0.8	0.4	0.2	0.2	—	—	—
	F10, F10S, FD10, FEP20	—	—	—	—	—	1.0	—
MSP5G	S2, S2S, CR2, EP2	1.0	0.5	—	—	—	—	—
	Z2*, Z2S, ZCR2, ZEP2	1.0	0.5	0.3	0.3	—	—	—
	F1, F1S, FD1, FEP2	—	—	—	—	—	2.0	—
MSP10G	S4, S4S, CR4, EP4	1.6	1.0	—	—	—	—	—
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	—	—	—
	F3, F3S, FD3, F3LS, FEP4	—	—	—	—	—	4.0	2.6
	Y4	—	—	—	—	—	—	—
MSP10AG	S5A, S5AS, CR6A, EP6A	1.8	1.2	1.0	—	—	—	—
	Z6A*, ZCR6A, ZEP6A	1.8	1.2	1.0	0.5	—	—	—
	F5A, F5AS, FD5A, FEP6A	—	—	—	—	—	4.0	2.6
	Y6A	—	—	—	—	—	—	—
MSP20G	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6	—	—	—	—
	Z6*, Z6S, ZCR6, ZEP6	2.6	2.0	1.6	1.0	—	—	—
	F5, F5S, FD5, F5LS, FEP6	—	—	—	—	—	7.0	5.0
	Y6, K6	—	—	—	—	—	—	—
MSP30G	S7P, S7PS, P8P, CR8P, EP10P, P8PS	3.3	2.8	2.0	—	—	—	—
	Z8P*, Z8PS, ZCR8P, ZEP10P	3.3	2.8	2.0	1.2	—	—	—
	F9P, F9PS, FD9P, FEP10P	—	—	—	—	—	10.0	6.5
	Y8P, K8P, Y817P	—	—	—	—	—	—	—
	SH8P	—	—	—	—	—	—	—
	A8P-1.25/2.0/5.5, A8WP-1.25-2.0/2.0-5.5	—	—	—	—	—	1.25/20/55	—
	AR8P-1.25/2.0/5.5, AR8WP-1.25-2.0/2.0-5.5	—	—	—	—	—	1.25/20/55	—

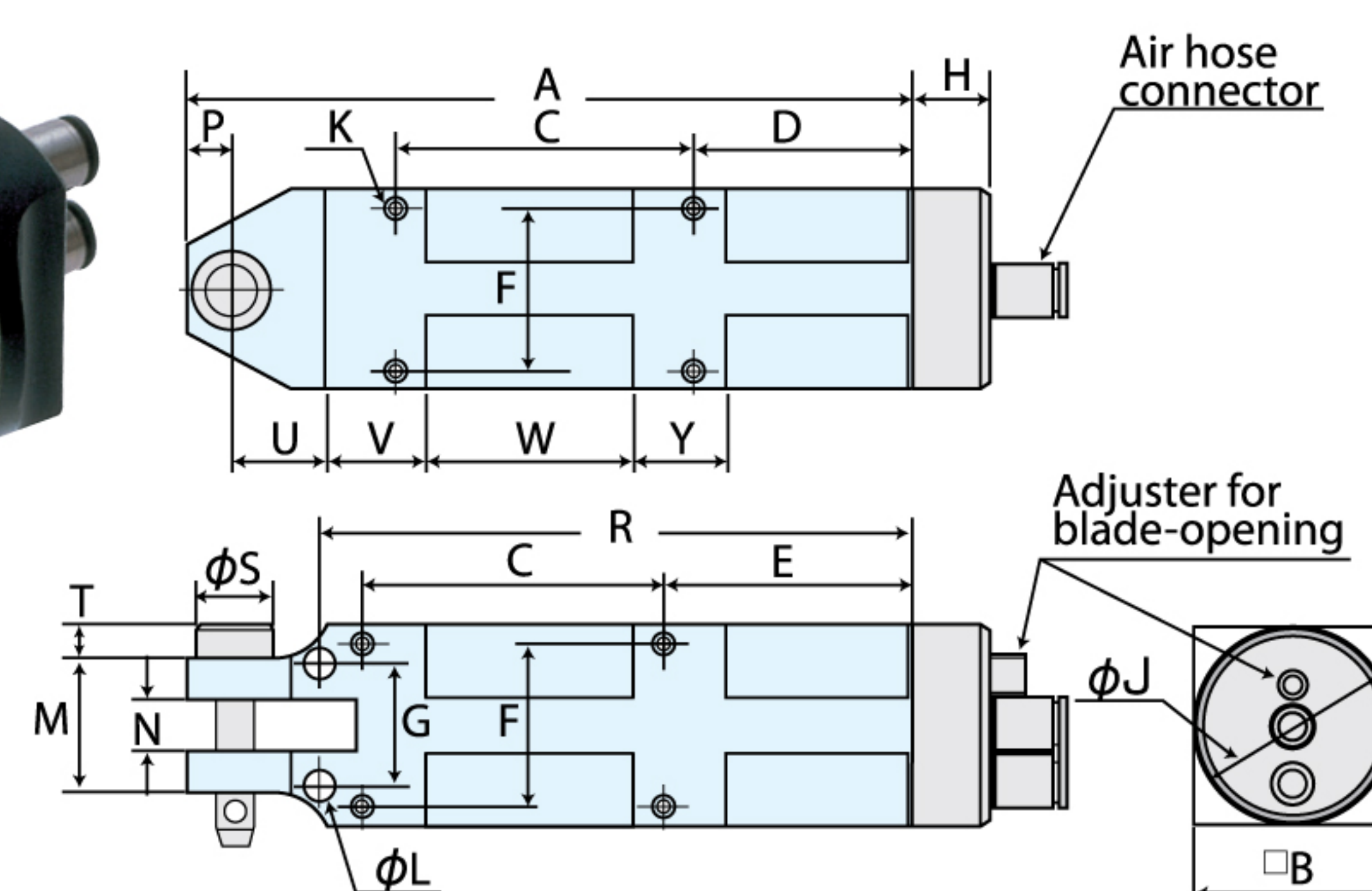
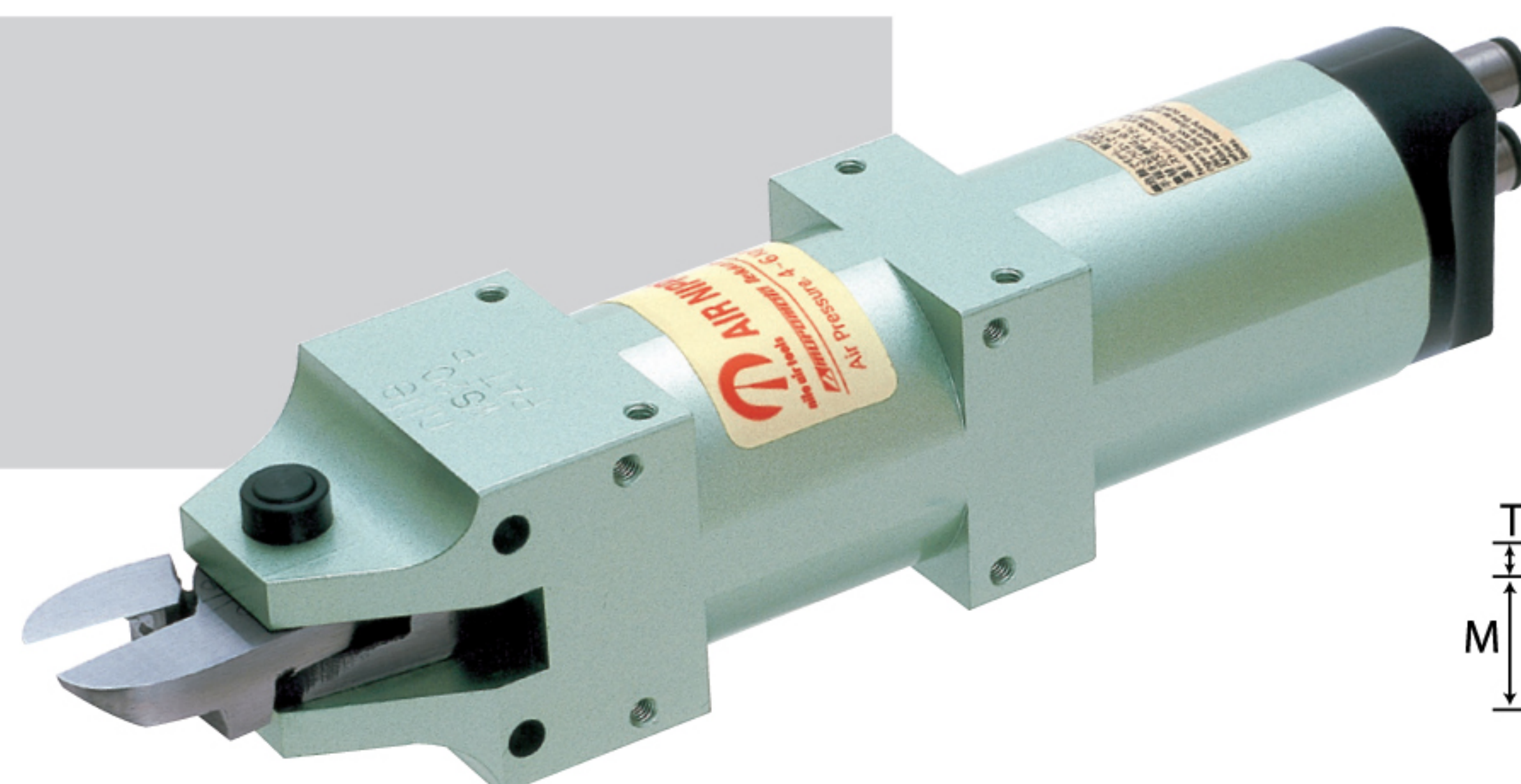
Cut



Square Air Cutters

MACHINE-FITTING TYPE

WS Type

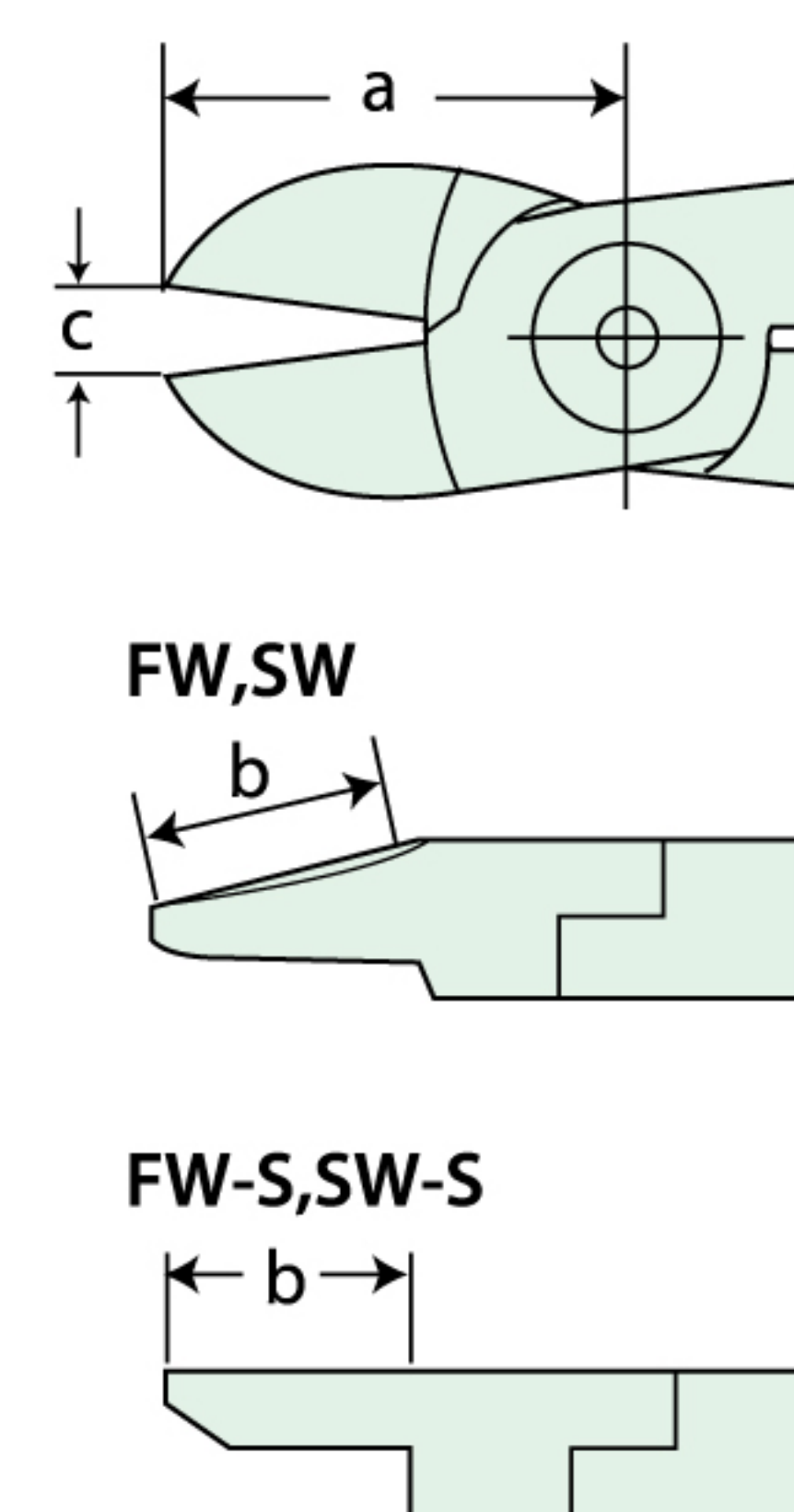


WS type specification

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

WS type Blade cutting capacity

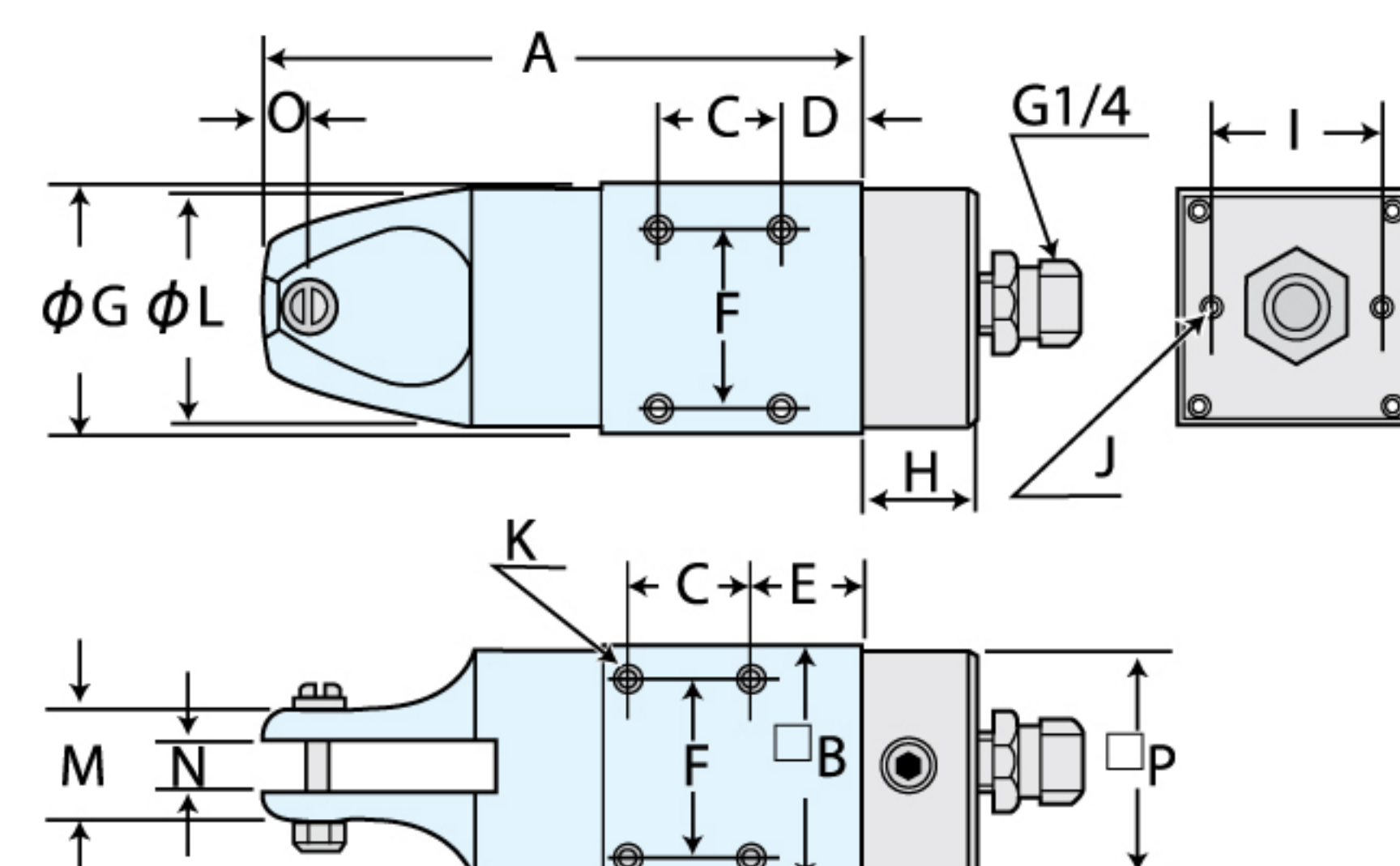
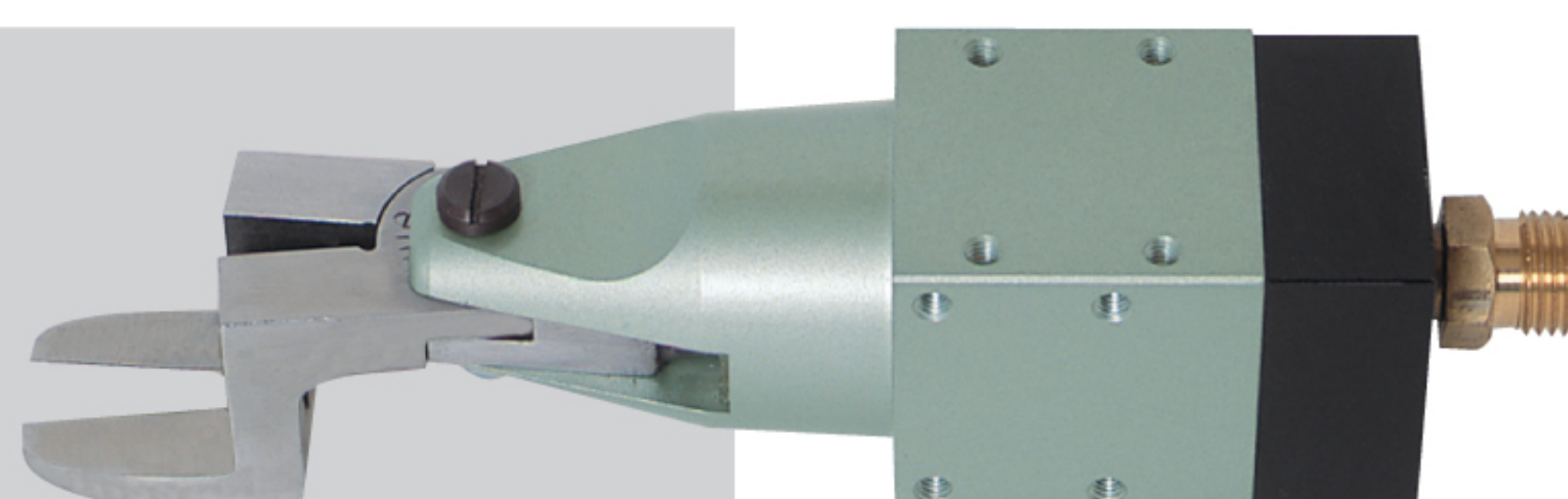
Model	Blade	Copper wire	Steel wire	Plastic
WS3	FW10, FW10S	—	—	1.0
	SW20, SW20S	0.8	0.4	—
WS5	FW1, FW1S	—	—	2.0
	SW2, SW2S	1.0	0.5	—
WS10	FW3, FW3S	—	—	4.0
	SW4, SW4S	1.6	1.0	—
WS20	FW5, FW5S	—	—	7.0
	SW5, SW5S	2.6	2.0	—



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

MACHINE-FITTING TYPE

MSK Type



MSK type specification

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

MSK type Blade cutting capacity

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

MSK type Blade cutting capacity

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

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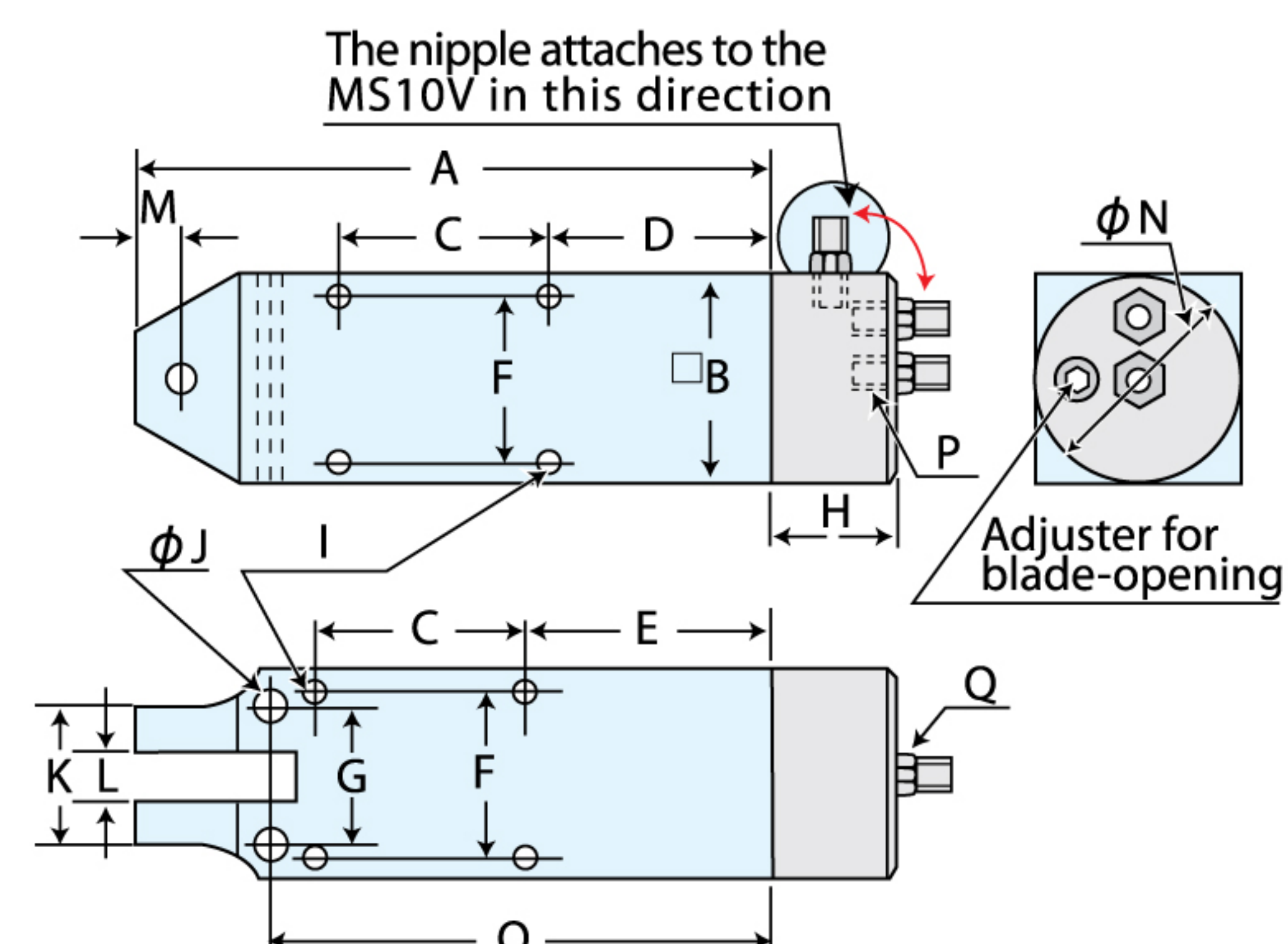
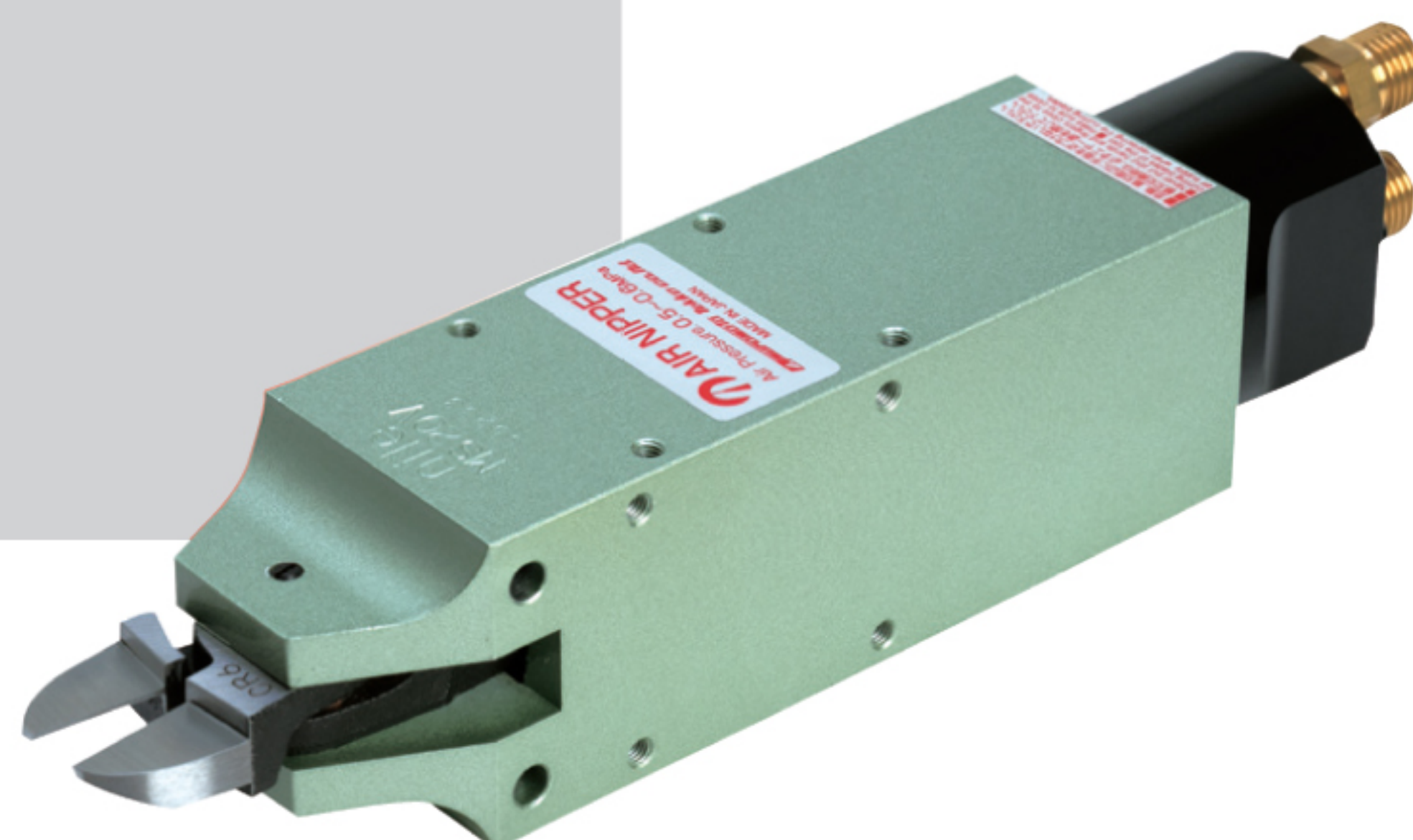
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Square Air Cutters

MACHINE-FITTING TYPE

MS-V Type



MS-V type specification

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

MS-V type Blade cutting capacity

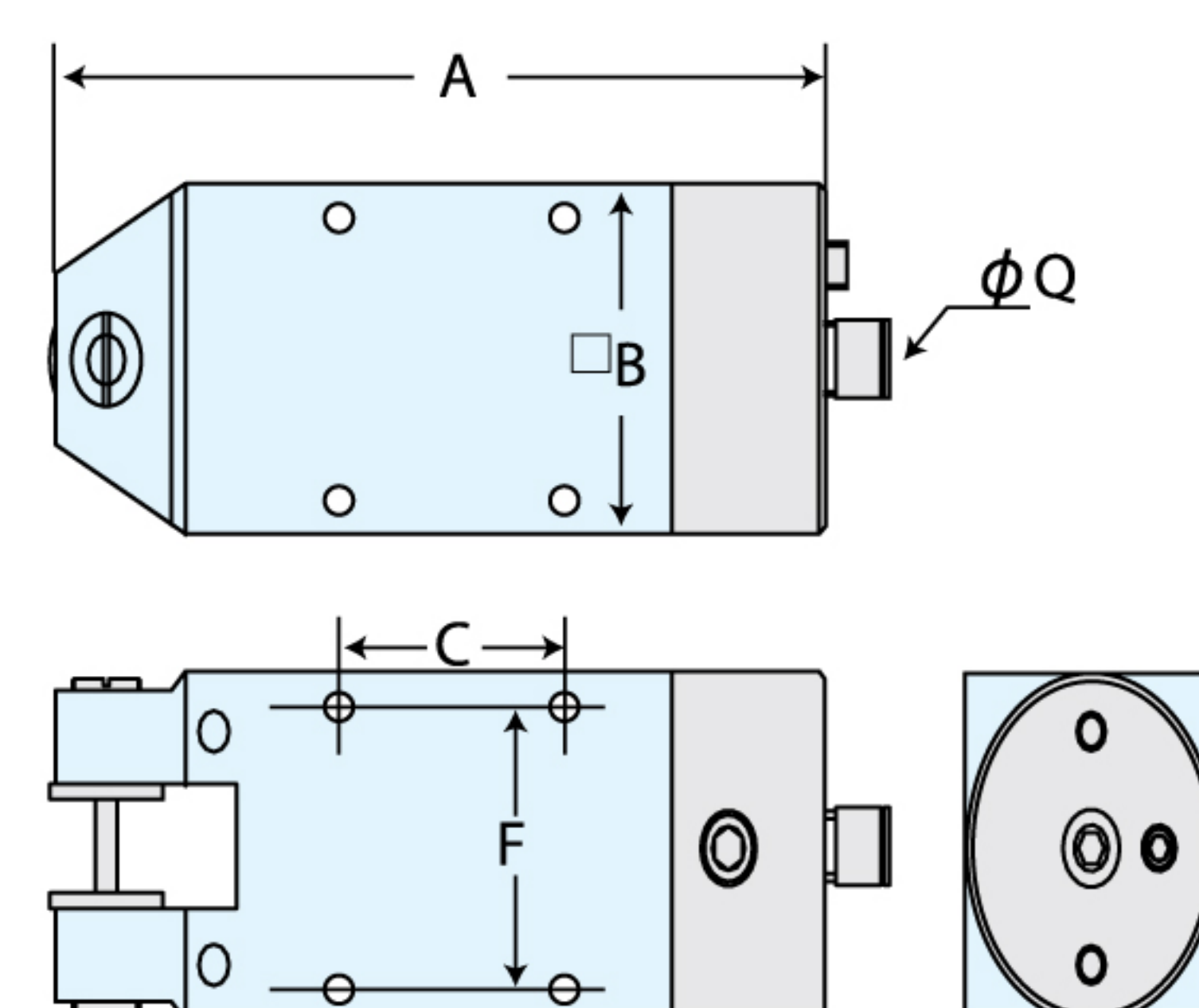
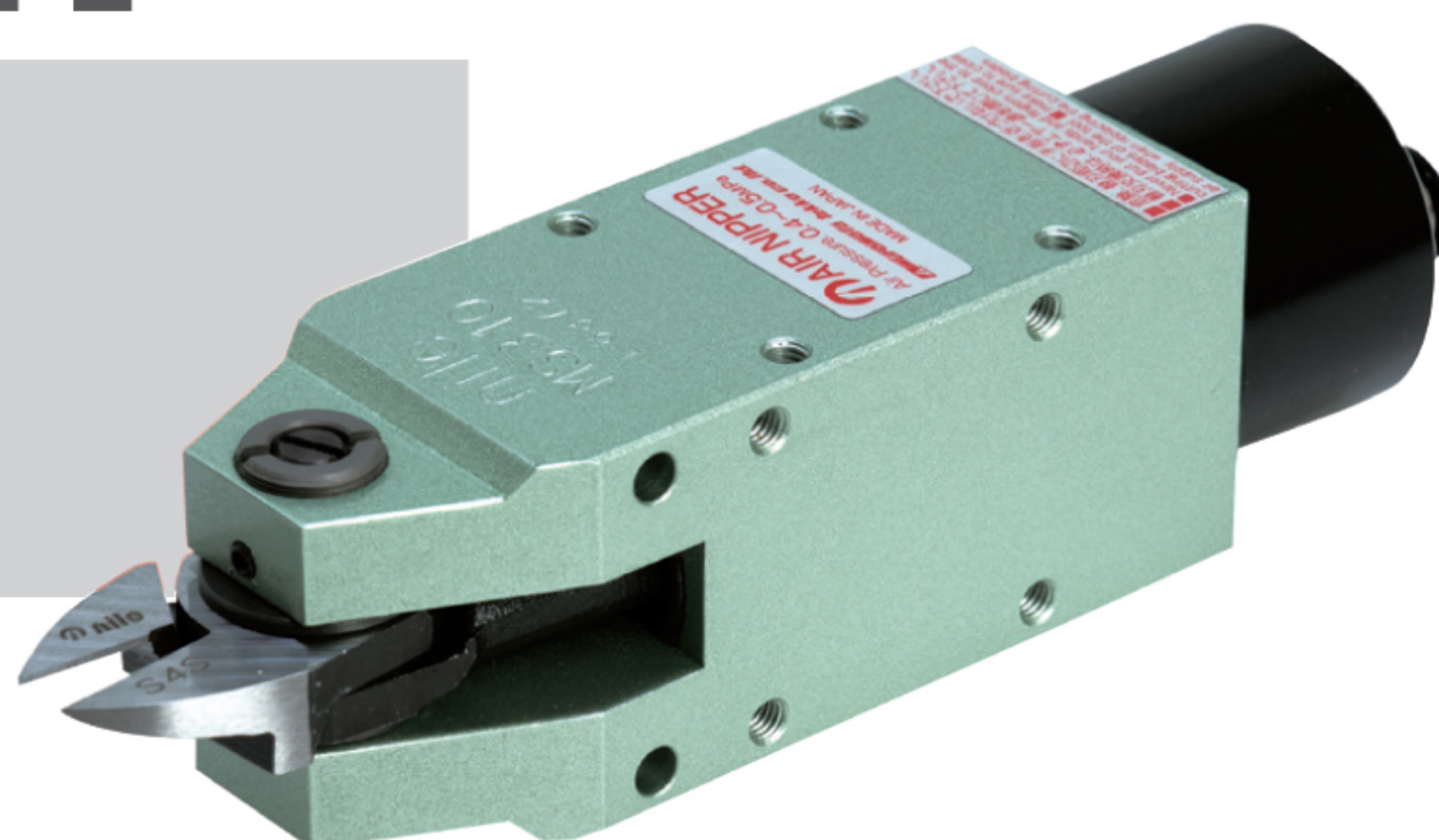
Model	Blade (*) Carbide tipped	Copper wire	Steel wire	Stainless wire	Piano wire	Crimping	Plastic	
							Soft	Hard
MS10V	S4, S4S, CR4, EP4	1.6	1.0	—	—	—	—	—
	Z4*, Z4S, ZCR4, ZEP4	1.6	1.0	0.5	0.5	—	—	—
	F3, F3S, FD3, F3LS, FEP4	—	—	—	—	—	4.0	2.6
	Y4	—	—	—	—	—	—	—
MS20V	S5, S5S, P6, CR6, EP6	2.6	2.0	1.6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

MS-V type Blade cutting capacity

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

MACHINE-FITTING TYPE

MSB Type



MSB type specification

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

MSB type Blade cutting capacity

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

MSB type Blade cutting capacity

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