

MACHINE-FITTING TYPE

SQUARE AIR CUTTERS

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

● MS Type



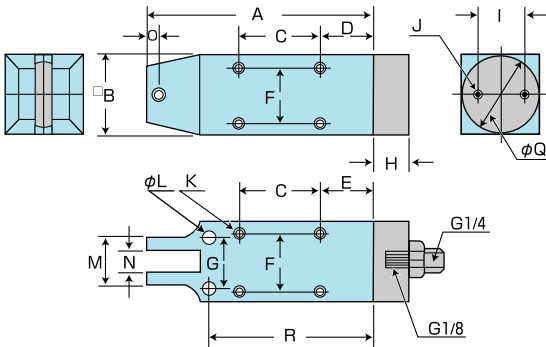
MS10

● MSP Type

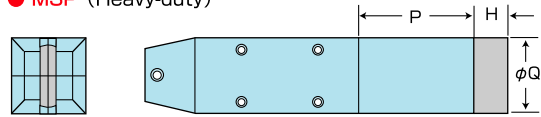


MSP20
(Heavy-duty)

● MS (Standard)



● MSP (Heavy-duty)



○ All cutting blades for MR-series can be applicable in common.

Dimensions

(mm)

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
MS3	89	20	40	19	24	16	14	21	14	M3	M3	3.3	20	7	7	—	—	71
MS5	74	30	30	14	19	24	20	20	20	M4	M3	4.3	20	7	7	—	—	55
MS10	93	36	30	18	23	28	28	20	24	M4	M4	4.3	20	9	7	—	—	65
MS20	109	45	40	19	24	36	30	20	30	M5	M4	5.3	26	12	9	—	—	81
MS30	150	56	60	20	30	46	40	20	40	M6	M5	5.3	36	17	15	—	—	110
MSP20	109	45	40	19	24	36	30	20	30	M5	M4	5.3	26	12	9	87	45	81
MSP30	150	56	60	20	30	46	40	20	40	M6	M5	5.3	36	17	15	92	56	110

Model No.	Length Weight	Grip size Air consumption	Power (approx.) Air pressure	Blade No. * Carbide tipped	Cutting capacity ϕ mm				
					Steel wire	Copper wire	Piano wire	Plastics Soft Hard	
MS3	110 mm	ϕ 20 mm	265 N	S20, S20S, EP20, CR20	0.5	0.8	—	—	—
	100 g	35 cm ³ /Stroke	0.4~0.5 MPa	* Z20, Z20S	0.5	0.8	0.2	—	—
				F10, F10S, FD10	—	—	—	1.0	—
MS5	94 mm	ϕ 30 mm	390 N	S2, S2S, EP2, CR2	0.5	1.0	—	—	—
	160 g	64 cm ³ /Stroke	0.4~0.5 MPa	* Z2, Z2S	0.5	1.0	0.3	—	—
				F1, F1S, FD1	—	—	—	2.0	—
MS10	113 mm	ϕ 36 mm	580 N	S4, S4S, CR4, EP4	1.0	1.6	—	—	—
	260 g	116 cm ³ /Stroke	0.4~0.5 MPa	* Z4, Z4S	1.0	1.6	0.5	—	—
				F3, F3S, FD3	—	—	—	4.0	2.6
MS20	129 mm	ϕ 45 mm	1,370 N	S5, S5S, CR6, EP6	2.0	2.6	—	—	—
	430 g	230 cm ³ /Stroke	0.5~0.6 MPa	* Z6, Z6S	2.0	2.6	1.0	—	—
				F5, F5S, FD5	—	—	—	7.0	5.0
MS30	170 mm	ϕ 56 mm	2,740 N	S7P, P8P, CR8P, EP10P	2.8	3.3	—	—	—
	810 g	584 cm ³ /Stroke	0.5~0.6 MPa	* Z8P, ZCR8P	2.8	3.3	1.2	—	—
				F9P, F9PS, FD9P	—	—	—	10.0	6.5
MSP20	216 mm	ϕ 45 mm	1,960 N	S5, S5S, CR6, EP6	2.0	2.6	—	—	—
	650 g	400 cm ³ /Stroke	0.4~0.5 MPa	* Z6, Z6S	2.0	2.6	1.0	—	—
				F5, F5S, FD5	—	—	—	7.0	5.0
MSP30	262 mm	ϕ 56 mm	4,410 N	S7P, P8P, CR8P, EP10P	4.0	4.8	—	—	—
	1,220 g	956 cm ³ /Stroke	0.5~0.6 MPa	* Z8P, ZCR8P	4.0	4.8	1.2	—	—
				F9P, F9PS, FD9P	—	—	—	13.0	6.5

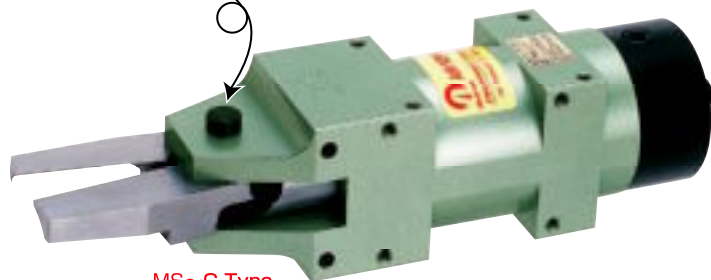
MACHINE-FITTING TYPE SQUARE AIR CUTTERS

● MS~G, MSP~G Type

**NO TOOL IS NEEDED FOR
BLADE REPLACEMENT !**

The square main body has numerous holes for setting bolts,

One touch retaining pin



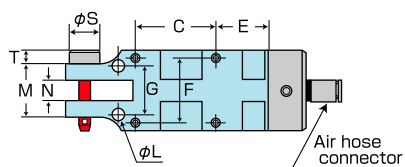
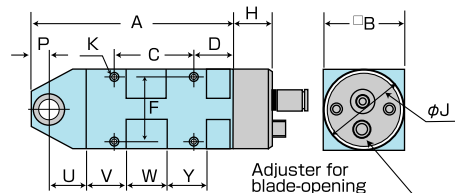
MS~G Type
(Standard)



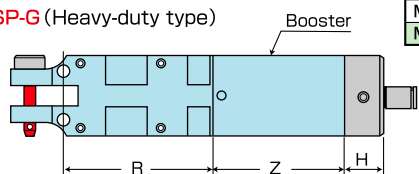
MSP~G Type
(Heavy-duty)

- ◆ Blade can be replaced easily and quickly.
- ◆ Blade opening-angle can be adjusted (except MS3G type)

● MS-G (Standard type)



● MSP-G (Heavy-duty type)



■ Air hose O.D. $\phi 4$ = MS3G·MS5G

■ Air hose O.D. $\phi 6$ = MS10G·MS10AG·MS20G·MSP20G·MS30G·MSP30G

Blades for MS-G and MSP-G are used in common with MR and MP series. Refer to P.(1&2) for information of standard blades.

◎ All cutting blades for MR-series can be applicable in common.

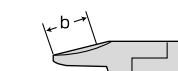
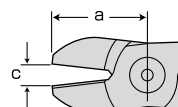
Dimensions

Model No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	Y	Z
MS3G	89	20	40	19	24	16	14	12	20	M3	3.3	20	7	7	71	11	5	3	25	25	15	—
MS5G	74	30	30	14	19	24	18	15	30	M3	4.3	20	7	7	54	11	5	13	15	15	15	—
MS10G	93	36	30	18	23	28	28	24	36	M4	4.3	23	9	7	65	11	5	16	27	15	15	—
MS10AG	93	36	30	18	23	28	28	24	36	M4	4.3	26	12	7	65	11	5	16	27	15	15	—
MS20G	109	45	40	19	24	36	30	27	45	M4	5.3	26	12	9	81	11	5	15	31	25	15	—
MS30G	150	56	60	20	30	46	40	27	56	M5	5.3	36	17	15	110	12	5	20	41	38	22	—
MSP20G	109	45	40	19	24	36	30	27	45	M4	5.3	26	12	9	81	11	5	15	31	25	15	87
MSP30G	150	56	60	20	30	46	40	27	56	M5	5.3	36	17	15	110	12	5	20	41	38	22	92

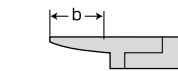
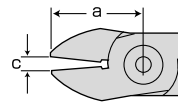
(mm)

Model No.	Weight Air consumption	Power (approx.) Air pressure	Blade No.	Cutting capacity ϕ mm			
				Steel wire	Copper wire	Plastics Soft	Hard
MS3G	75 g 35 cm ³ /Stroke	265 N 0.4~0.5MPa	F10, F10S S20, S20S	— 0.5	— 0.8	1.0	—
MS5G	141 g 64 cm ³ /Stroke	390 N 0.4~0.5MPa	F1, F1S S2, S2S	— 0.5	— 1.0	2.0	—
MS10G	254 g 116 cm ³ /Stroke	580 N 0.4~0.5MPa	F3, F3S S4, S4S	— 1.0	— 1.6	4.0	2.6
MS10AG	248 g 116 cm ³ /Stroke	580 N 0.4~0.6MPa	F5A, F5AS S5A, S5AS	— 1.2	— 1.8	5.0	2.6
MS20G	425 g 230 cm ³ /Stroke	1,370 N 0.5~0.6MPa	F5, F5S S5, S5S	— 2.0	— 2.6	7.0	5.0
MS30G	788 g 584 cm ³ /Stroke	2,740 N 0.5~0.6MPa	F9P, F9PS S7P, CR8P	— 2.8	— 3.3	10.0	6.5
MSP20G	648 g 400 cm ³ /Stroke	1,960 N 0.4~0.5MPa	F5, F5S S5, S5S	— 2.0	— 2.6	7.0	5.0
MSP30G	1,115 g 956 cm ³ /Stroke	4,410 N 0.5~0.6MPa	F9P, F9PS S7P, CR8P	— 4.0	— 4.8	13.0	6.5

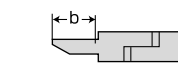
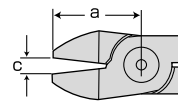
● F,S Type



● F-S, S-S Type



● CR Type

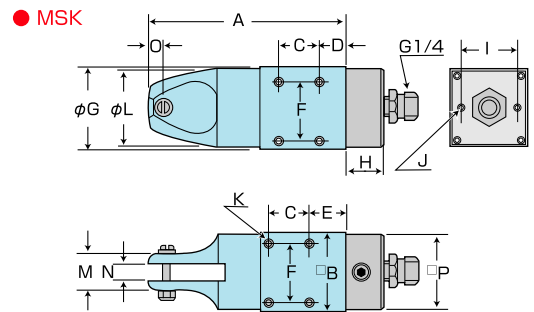
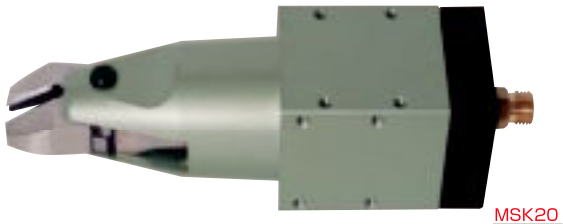


Blade No.	a	b	c
F10	24	12	2.5
F10S	24	12	2.5
F1	24	12	3.0
F1S	24	12	3.0
F3	27	12	4.5
F3S	27	13	4.5
F5A	35	15	5.0
F5AS	35	16	5.0
F5	35	15	8.5
F5S	35	16	8.5
F9P	65	38	15.0
F9PS	65	37	15.0
S20	24	12	2.5
S20S	24	12	2.5
S2	24	12	3.0
S2S	24	12	3.0
S4	27	14	5.0
S4S	27	13	4.0
S5A	35	22	4.5
S5AS	35	17	4.5
S5	35	17	6.5
S5S	35	17	6.5
S7P	43	20	7.0
CR8P	43	20	7.0

MACHINE-FITTING TYPE AIR CUTTERS

● MSK Type

◎ All cutting blades for MR-series can be applicable in common.



Dimensions

(mm)

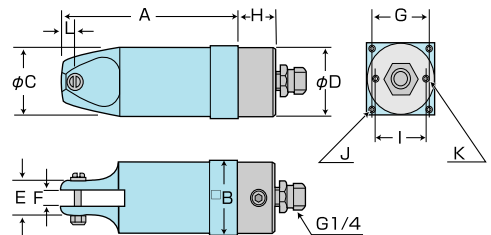
Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
MSK10	87	36	18	10	15	28	35	17	24	M4	M4	33	18	9	7	35
MSK20	102	45	20	15	20	36	44	17	30	M5	M4	42	24	12	9	44
MSK30	141	56	27	18	26	46	55	17	40	M6	M5	52	34	17	15	55

Model No.	Length Weight	Grip size Air consumption	Power (approx.) Air pressure	Blade No. * Carbide tipped	Cutting capacity ϕ mm			
					Steel wire	Copper wire	Piano wire	Plastics Soft Hard
MSK10	104 mm	ϕ 36 mm	580 N	S4, S4S * Z4, Z4S F3, F3S, FD3	1.0	1.6	—	—
	190 g	116 cm ³ /Stroke	0.4~0.5 MPa		1.0	1.6	0.5	4.0 2.6
MSK20	119 mm	ϕ 45 mm	1,370 N	S5, S5S, P6, CR6 * Z6, Z6S F5, F5S, FD5	2.0	2.6	—	—
	340 g	230 cm ³ /Stroke	0.5~0.6 MPa		2.0	2.6	1.0	7.0 5.0
MSK30	158 mm	ϕ 56 mm	2,740 N	S7P, P8P, CR8P * Z8P F9P, F9PS, FD9P	2.8	3.3	—	—
	590 g	584 cm ³ /Stroke	0.5~0.6 MPa		2.8	3.3	1.2	10.0 6.5

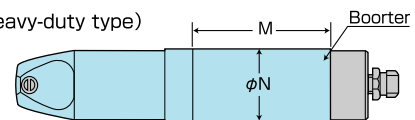
● MSF~MSFP Type FLANGE TYPE



● MSF (Standard type)



● MSFP (Heavy-duty type)



Dimensions

(mm)

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
MSF10	93	36	35	35	18	9	30	20	24	M3	M4	7	—	—
MSF20	109	45	44	44	24	12	37	20	30	M4	M5	9	—	—
MSF30	150	56	55	55	34	17	46	20	40	M4	M6	15	—	—
MSFP20	109	45	44	44	24	12	37	20	30	M4	M5	9	87	45
MSFP30	150	56	55	55	34	17	46	20	40	M4	M6	15	92	56

Model No.	Length Weight	Grip size Air consumption	Power (approx.) Air pressure	Blade No. * Carbide tipped	Cutting capacity ϕ mm			
					Steel wire	Copper wire	Piano wire	Plastics Soft Hard
MSF10	113 mm	ϕ 36 mm	580 N	S4, S4S * Z4, Z4S F3, F3S, FD3	1.0	1.6	—	—
	180 g	116 cm ³ /Stroke	0.4~0.5 MPa		1.0	1.6	0.5	4.0 2.6
MSF20	129 mm	ϕ 45 mm	1,370 N	S5, S5S, P6, CR6 * Z6, Z6S F5, F5S, FD5	2.0	2.6	—	—
	310 g	230 cm ³ /Stroke	0.5~0.6 MPa		2.0	2.6	1.0	7.0 5.0
MSF30	170 mm	ϕ 56 mm	2,740 N	S7P, P8P, CR8P * Z8P F9P, F9PS, FD9P	2.8	3.3	—	—
	560 g	584 cm ³ /Stroke	0.5~0.6 MPa		2.8	3.3	1.2	10.0 6.5
MSFP20	216 mm	ϕ 45 mm	1,960 N	S5, S5S, P6, CR6 * Z6, Z6S F5, F5S, FD5	2.0	2.6	—	—
	530 g	400 cm ³ /Stroke	0.4~0.5 MPa		2.0	2.6	1.0	7.0 5.0
MSFP30	262 mm	ϕ 56 mm	4,410 N	S7P, P8P, CR8P * Z8P F9P, F9PS, FD9P	4.0	4.8	—	—
	880 g	956 cm ³ /Stroke	0.5~0.6 MPa		4.0	4.8	1.2	13.0 6.5