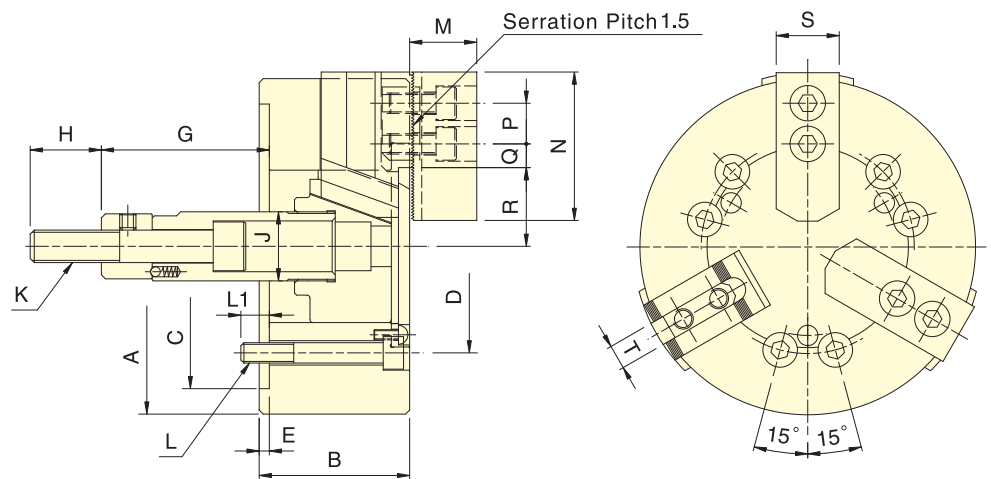


3M-05



3M-06~3M-12

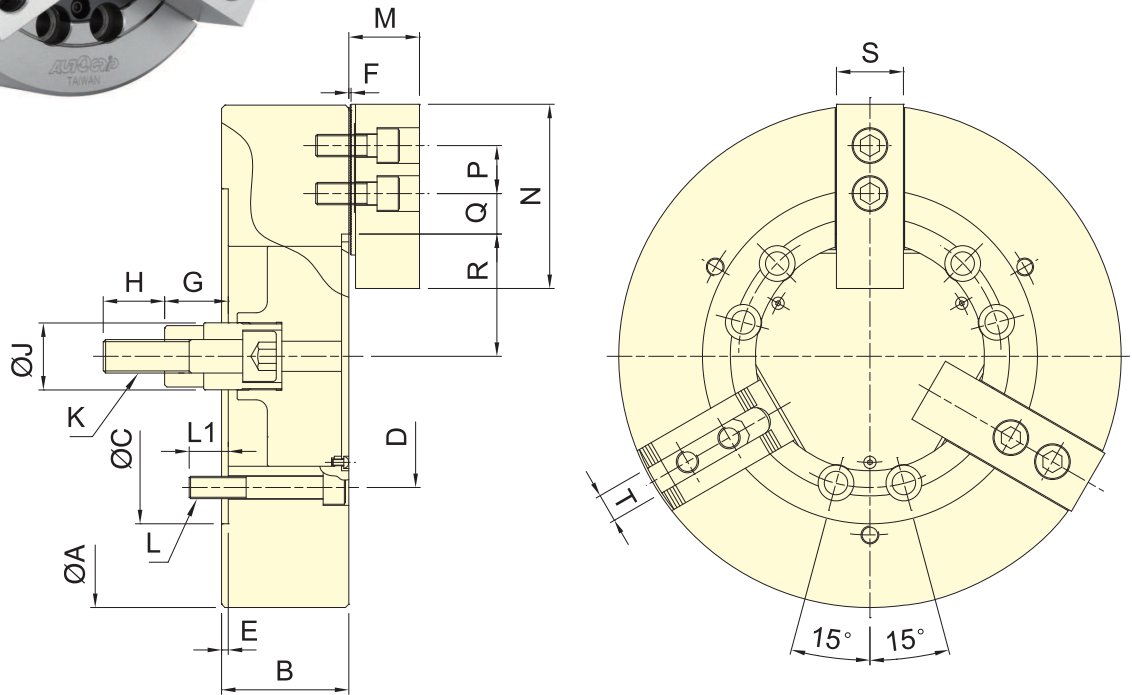
* Subject to technical changes.

Specifications

Model	Plunger stroke (mm)	Jaw stroke (Dia.) (mm)	Chucking Dia. Max. (mm)	Chucking Dia. Min. (mm)	Max. D.B. pull kN (kgf)	Max. clamping force kN (kgf)	Max. speed min ⁻¹ (r.p.m.)	I kg · m ²	Weight (kg)	Matching cyl.	Max. pressure MPa (kgf/cm ²)
3M-05	15	10.9	135	14	9.8(1000)	16.4(1670)	4500	0.02	6	RK-75(N)	2.7(27)
3M-06	20	14.5	165	14	21.6(2200)	36(3680)	4000	0.04	12.2	RK-100(N)	3.0(30)
3M-08	23	16.7	210	17	29.4(3000)	54.9(5600)	3500	0.13	23	RK-125(N)	2.9(29)
3M-10	27	19.6	254	22	39.2(4000)	74(7550)	3000	0.3	34.3	RK-150(N)	2.8(28)
3M-12	30	21.8	304	26	54(5500)	99(10100)	2500	0.71	59.4	RK-150(N)	3.6(36)

Dimensions

Model	A	B	C(H6)	D	E	G max.	G min.	H	J	K	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T
3M-05	135	55	80	100	7	6	-9	35	28	M12x1.75	3~M8	14	31	62	14	15.5	5	32.9	27.45	25	10
3M-06	165	74	140	104.8	5	101.6	81.6	36	34	M16x2	6~M10	14	37	73	20	17	8	38.7	31.4	31	12
3M-08	210	85	170	133.4	5	129	106	36	38	M20x2.5	6~M12	20	38	95	25	22.3	8.8	47.5	39.1	35	14
3M-10	254	89	220	171.4	5	160	133	36	45	M20x2.5	6~M16	18	43	110	30	32.3	12.8	53.9	44.1	40	16
3M-12	304	106	220	171.4	6	70	40	46	50	M24x3	6~M16	18	51	130	30	47.8	13.3	62.5	51.6	50	21



* Subject to technical changes.

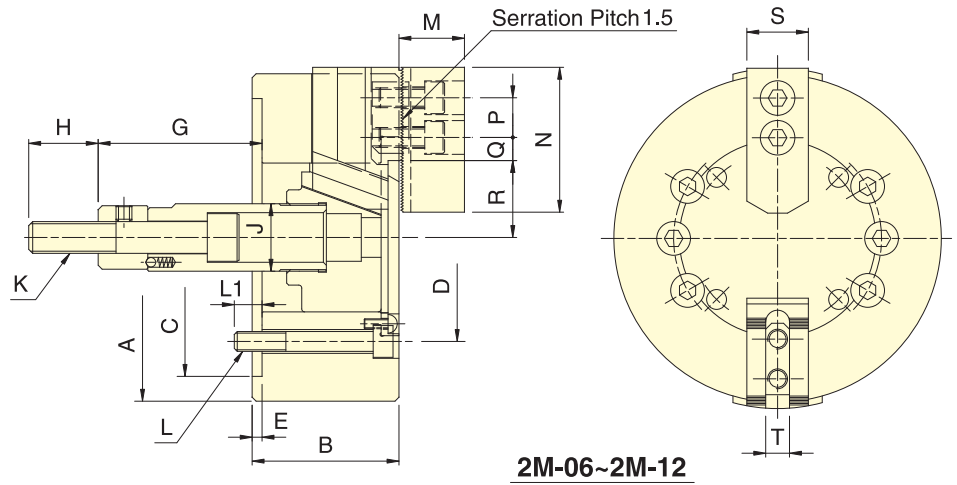
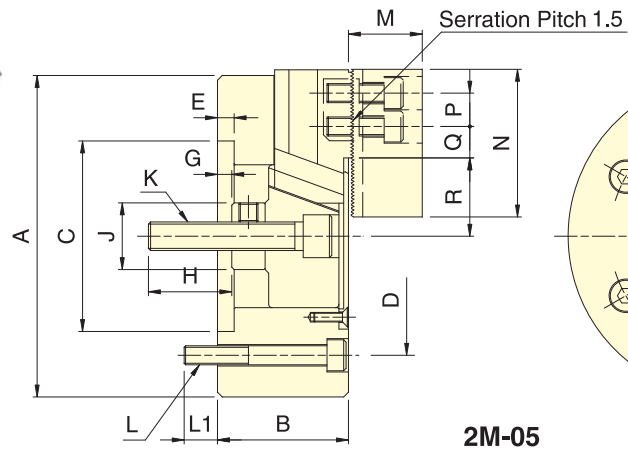
Specifications

Model	Plunger stroke (mm)	Jaw stroke (Dia.) (mm)	Chucking Dia. Max. (mm)	Chucking Dia. Min. (mm)	Max. D.B. pull kN (kgf)	Max. clamping force kN (kgf)	Max. speed min ⁻¹ (r.p.m.)	I kg · m ²	Weight (kg)	Matching cyl.	Max. pressure MPa (kgf/cm ²)
* 3M-215	35	25.4	381	20	91.0(9280)	158.9(16200)	2300	1.8	96	RK-200(N)	3.0(30)
* 3M-218	35	25.4	450	51	91.0(9280)	158.9(16200)	2000	2.32	124	RK-200(N)	3.0(30)
* 3M-221	35	25.4	530	53	91.0(9280)	158.9(16200)	1350	4.9	175	RK-200(N)	3.0(30)
* 3M-224	35	25.4	610	160	91.0(9280)	158.9(16200)	1250	7.2	225	RK-200(N)	3.0(30)

Dimensions

Model	A	B	C(H6)	D	E	F	G max.	G min.	H	J	K	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T
* 3M-215	381	114	300	235	6	2	104	69	55	60	M30x3.5	6~M20	30	63.3	165	43	49.75	18.25	79	66.3	62	25.5
* 3M-218	450	114	300	235	6	2	92	57	55	60	M30x3.5	6~M20	35	63.3	165	43	51.25	18.25	109.5	96.8	62	25.5
* 3M-221	530	125	380	330.2	6	3	97	62	55	60	M30x3.5	6~M24	31	71	180	60	89	76.3	89	76.3	65	25
* 3M-224	610	125	380	330.2	6	3	97	62	55	60	M30x3.5	6~M24	31	71	180	60	128	115.3	128	115.3	65	25

*model produced only by order.



* Subject to technical changes.

Specifications

Model	Plunger stroke (mm)	Jaw stroke (Dia.) (mm)	Chucking Dia. Max. (mm)	Chucking Dia. Min. (mm)	Max. D.B. pull kN (kgf)	Max. clamping force kN (kgf)	Max. speed min ⁻¹ (r.p.m.)	I kg · m ²	Weight (kg)	Matching cyl.	Max. pressure MPa (kgf/cm ²)
2M-05	15	10.9	135	14	6.5(660)	11(1120)	4500	0.02	6	RK-75(N)	1.8(18)
2M-06	20	14.5	165	14	14.3(1460)	24(2450)	4000	0.04	12.2	RK-100(N)	2.0(20)
2M-08	23	16.7	210	17	19.6(2000)	36.6(3730)	3500	0.13	23	RK-125(N)	1.9(19.3)
2M-10	27	19.6	254	22	26.1(2660)	49.3(5030)	3000	0.3	34.3	RK-150(N)	1.8(18.6)
2M-12	30	21.8	304	26	36(3670)	66(6730)	2500	0.71	59.1	RK-150(N)	2.4(24)

Dimensions

Model	A	B	C(H6)	D	E	G max.	G min.	H	J	K	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T
2M-05	135	55	80	100	7	6	-9	35	28	M12x1.75	4~M8	14	31	62	14	15.5	5	32.9	27.45	25	10
2M-06	165	74	140	104.8	5	101.6	81.6	36	34	M16x2	6~M10	14	37	73	20	17	8	38.7	31.4	31	12
2M-08	210	85	170	133.4	5	129	106	36	38	M20x2.5	6~M12	20	38	95	25	22.3	8.8	47.5	39.1	35	14
2M-10	254	89	220	171.4	5	160	133	36	45	M20x2.5	6~M16	18	43	110	30	32.3	12.8	53.9	44.1	40	16
2M-12	304	106	220	171.4	6	70	40	46	50	M24x3	6~M16	18	51	130	30	47.8	13.3	62.5	51.6	50	21