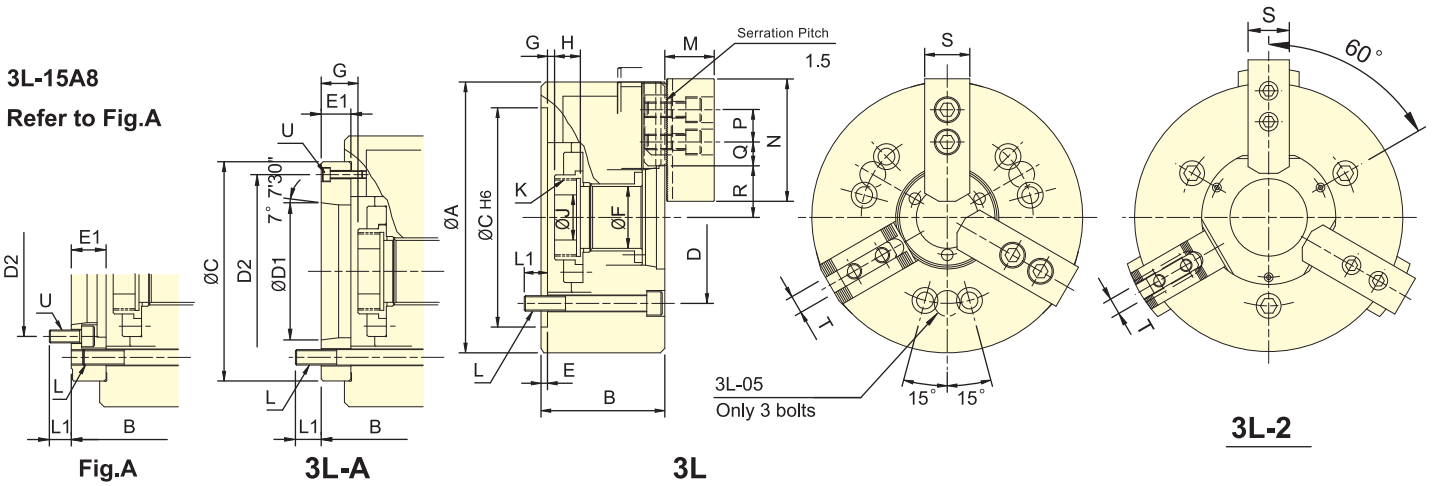




Application/customer benefits

- It's a CRANK type 3-jaw with the large through-hole, and extra long jaw stroke.
- Matching surfaces of all parts hardened, ground and lubricated directly.
- Construction of high rigidity and high clamping accuracy.
- J value is the hole diameter of blank draw nut, K is the maximum thread specification, and it could be customize.
- Patent numbers : Taiwan : PAT.207282 / China : PAT.ZL02284637.9

3L-15A8
Refer to Fig.A



* 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)	
3L-205 A4	12	18	138	6	15.6(1590)	17.2(1750)	4200	0.019	7.2	8.0	TK-A533	2.3(23)
3L-206 A5	15	24	170	18	23.5(2400)	26(2650)	3600	0.063	13.5	15.3	TK-C646	2.7(27)
3L-208 A5	20	32	215	25	34.3(3500)	40.7(4150)	3000	0.18	24.1	27	TK-A853	2.8(28)
3L-208 A6	20	32	215	25	34.3(3500)	40.7(4150)	3000	0.18	24.1	25.2	TK-A853	2.8(28)
3L-210 A6	25	37.5	260	47	47.7(4870)	55.9(5700)	2400	0.35	39.5	46.5	TK-A1075	3.3(33)
3L-210 A8	25	37.5	260	47	47.7(4870)	55.9(5700)	2400	0.35	39.5	45	TK-A1075	3.3(33)
3L-212 A8	30	45	315	54	64.7(6600)	61(6220)	2100	0.827	67.3	70.5	TK-A1291	3.0(30)
3L-15 A8	35	52	385	50	84.3(8600)	68(6930)	1600	2.58	136	150	TK-A1512	2.6(26)
3L-15 A11	35	52	385	50	84.3(8600)	68(6930)	1600	2.58	136	143	TK-A1512	2.6(26)

Dimensions

Model	A	B	B	C	D	D1	D2	E	E1	F	G max.	G max.	G min.	G min.	H	J	K max.	L	L1	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U
3L-205 A4	135	65	76	110	82.6	63.51	96	4	15	32	1	16	-11	4	20	12	M40x1.5	3~M10	15	15	31	62	14	23	9.5	31	22	25	10	3~M6
3L-206 A5	170	84	97	140	104.8	82.56	116	5	18	45	6.5	24.5	-8.5	9.5	19	20	M55x2	3~M10	18	15	37	73	20	15.25	7.75	51	39	31	12	3~M6
3L-208 A5	215	96	114	170	133.4	82.56	104.8	5	23	52	7	30	-13	10	20	30	M60x2	3~M12	18	19	38	95	25	19.25	10.25	63.5	47.5	35	14	6~M10
3L-208 A6	215	96	114	170	133.4	106.38	150	5	23	52	7	30	-13	10	20	30	M60x2	3~M12	18	20	38	95	25	19.25	10.25	63.5	47.5	35	14	3~M6
3L-210 A6	260	108	130	220	171.4	106.38	133.4	5	25	75	8.5	33	-16.5	8	25	45	M85x2	3~M16	25	20	43	110	30	24.75	11.25	80	61.25	40	16	3~M8
3L-210 A8	260	108	121	220	171.4	139.72	190	5	18	75	8.5	26.5	-16.5	1.5	25	45	M85x2	3~M16	25	22	43	110	30	24.75	11.25	80	61.25	40	16	3~M8
3L-212 A8	315	125	138	220	171.4	139.72	190	5	18	91	15	33	-15	3	30	50	M100x2	3~M16	24	21	51	130	30	29.75	13.25	96.5	74	50	21	3~M8
3L-15 A8	385	150	177	300	235	139.72	171.4	6	33	120	12.5	45.5	-22.5	10.5	39	60	M130x2	6~M20	33	31	63	165	43	51.25	27.25	94.25	68.25	62	25.5	6~M16
3L-15 A11	385	150	166	300	235	196.87	260	6	22	120	12.5	34.5	-22.5	-0.5	39	60	M130x2	6~M20	33	31	63	165	43	51.25	27.25	94.25	68.25	62	25.5	3~M10

The dimensions and the specifications of 3L-A type are in the red data.

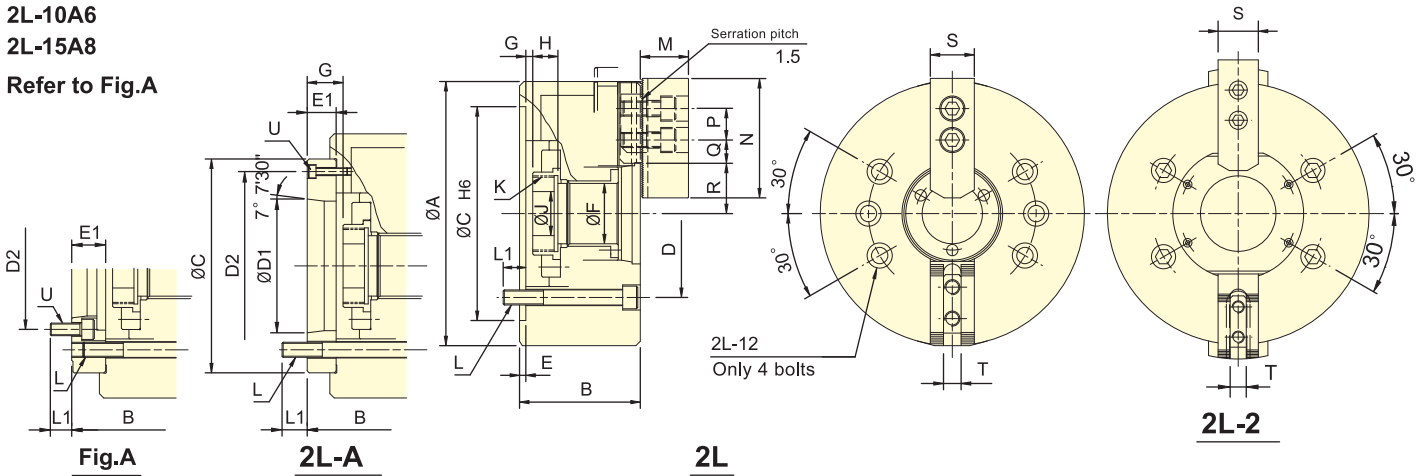


Application/customer benefits

- It's a CRANK type 2-jaw with the large through-hole, and extra long jaw stroke.
- Matching surfaces of all parts hardened, ground and lubricated directly.
- Construction of high rigidity and high clamping accuracy.
- J value is the hole diameter of blank draw nut, K is the maximum thread specification, and it could be customize.
- Patent numbers : Taiwan : PAT.207282 / China : PAT.ZL02284637.9

2L-08A5
2L-10A6
2L-15A8

Refer to Fig.A



* 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)
2L-205 A4	12	18	135	6	10.4(1060)	11.4(1170)	4200	0.018	6.9	7.7	TK-A533 1.5(15)
2L-206 A5	15	24	170	18	15.7(1600)	17.3(1760)	3600	0.063	13.1	14.9	TK-C646 1.8(18)
2L-208 A5	20	32	215	25	22.9(2330)	27.1(2760)	3000	0.173	22	26	TK-A853 1.9(19)
2L-208 A6	20	32	215	25	22.9(2330)	27.1(2760)	3000	0.173	22	24.2	TK-A853 1.9(19)
2L-210 A6	25	37.5	260	47	31.8(3250)	37.3(3800)	2400	0.33	37	45.5	TK-A1075 2.5(25)
2L-210 A8	25	37.5	260	47	31.8(3250)	37.3(3800)	2400	0.33	37	44	TK-A1075 2.5(25)
2L-12 A8	30	45	304	30	43.1(4400)	50.0(5100)	2100	0.8	60	65.5	TK-A1291 2.0(20)
2L-15 A8	35	52	385	50	56.2(5730)	53.0(5400)	1600	2.52	133	147	TK-A1512 1.7(17)
2L-15 A11	35	52	385	50	56.2(5730)	53.0(5400)	1600	2.52	133	140	TK-A1512 1.7(17)

Dimensions

Model	A	B	B	C	D	D1	D2	E	E1	F	G max.	G max.	G min.	G min.	H	J	K	L	L1	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U
2L-205 A4	138	65	76	110	82.6	63.51	96	4	15	32	1	16	-11	4	20	12	M40x1.5	4~M10	15	15	31	62	14	23	13.75	31	22	25	10	3~M6
2L-206 A5	170	84	97	140	104.8	82.56	116	5	18	45	6.5	24.5	-8.5	9.5	19	20	M55x2	4~M10	18	15	37	73	20	15.25	7.75	51	39	31	12	3~M6
2L-208 A5	215	96	114	170	133.4	82.56	104.8	5	23	52	7	30	-13	10	20	30	M60x2	4~M12	18	19	38	95	25	19.25	10.25	63.5	47.5	35	14	6~M10
2L-208 A6	215	96	114	170	133.4	106.38	150	5	23	52	7	30	-13	10	20	30	M60x2	4~M12	18	20	38	95	25	19.25	10.25	63.5	47.5	35	14	3~M6
2L-210 A6	260	108	130	220	171.4	106.38	133.4	5	25	75	8.5	33	-16.5	8	25	45	M85x2	4~M16	25	20	43	110	30	24.75	11.25	80	61.25	40	16	6~M12
2L-210 A8	260	108	121	220	171.4	139.72	190	5	18	75	8.5	26.5	-16.5	1.5	25	45	M85x2	4~M16	25	22	43	110	30	24.75	11.25	80	61.25	40	16	3~M8
2L-12 A8	304	127	140	220	171.4	139.72	190	5	18	91	15	33	-15	3	28	50	M100x2	4~M16	22	19	51	130	30	46.25	19.25	77	54.5	50	21	3~M8
2L-15 A8	385	150	177	300	235	139.72	171.4	6	33	120	12.5	45.5	-22.5	10.5	39	60	M130x2	6~M20	33	27.5	63	165	43	51.25	27.25	94.25	68.25	62	25.5	6~M16
2L-15 A11	385	150	166	300	235	196.87	260	6	22	120	12.5	34.5	-22.5	-0.5	39	60	M130x2	6~M20	33	31	63	165	43	51.25	27.25	94.25	68.25	62	25.5	3~M10

The dimensions and the specifications of 2L-A type are in the red data.