

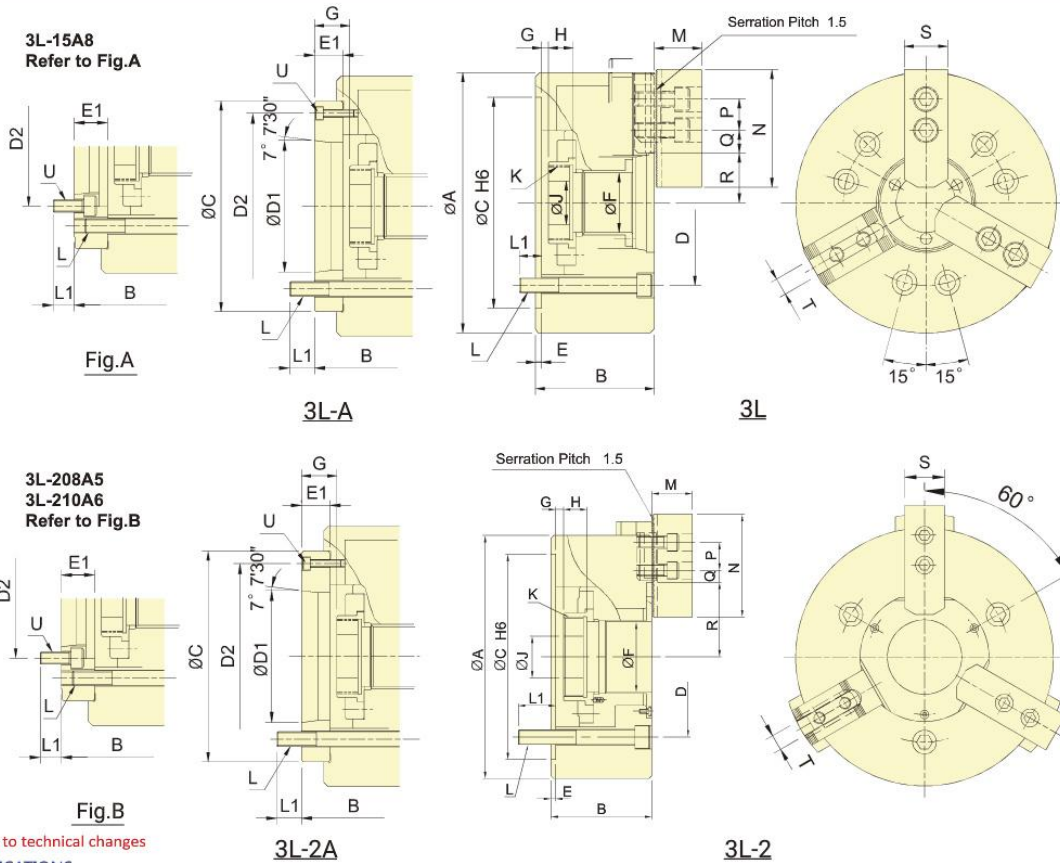
# 3L/3L-A EXTRA LONG JAW STROKE POWER CHUCK

3-JAW / Thru-Hole

POWER CHUCKS



- CRANK type 3-jaw with the large through-hole, and extra long jaw stroke.
  - Matching surfaces of all parts hardened, ground and lubricated directly.
  - High rigidity and high clamping accuracy.
- J is the hole diameter of blank draw nut.  
K is the maximum thread specification and it could be customize.



Subject to technical changes  
SPECIFICATIONS

Model	Plunger stroke	Jaw stroke (Dia.)	Chucking Dia.		Max. D.B. pull	Max. Clamping force	Max. speed	I	Weight	Matching cyl.	Max. pressure		
			Max.	Min.									
	mm	mm	mm	mm	kN (kgf)	kN (kgf)	min <sup>-1</sup> (r.p.m.)	kg·m <sup>2</sup>	kg		MPa (kgf/cm <sup>2</sup> )		
3L-205	A4	12	18	138	6	15.6(1590)	17.2(1750)	4200	0.019	7.2	8	TK-A533	2.3(23)
3L-206	A5	15	24	170	24	23.5(2400)	26.0(2650)	3600	0.063	14.7	15.9	TK-C646	2.7(27)
3L-208	A5	20	32	215	30	34.3(3500)	35.0(3570)	3000	0.18	23	25.7	TK-A853	2.8(28)
3L-208	A6	20	32	215	30	34.3(3500)	35.0(3570)	3000	0.18	23	24.6	TK-A853	2.8(28)
3L-210	A6	25	37.5	260	53	47.7(4870)	48.0(4895)	2400	0.35	39.5	46.5	TK-A1075	3.1(31)
3L-210	A8	25	37.5	260	53	47.7(4870)	48.0(4895)	2400	0.35	39.5	45	TK-A1075	3.1(31)
3L-212	A8	30	45	315	61	64.7(6600)	61.0(6220)	2100	0.827	67.3	70.5	TK-A1291	3.0(30)
3L-15	A8	35	52	385	26	84.3(8600)	68.0(6930)	1600	2.58	136	150	TK-A1512	2.7(27)
3L-15	A11	35	52	385	26	84.3(8600)	68.0(6930)	1600	2.58	136	143	TK-A1512	2.7(27)

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



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## DIMENSIONS

Model	A	B	C	D	D1	D2	E	E1	F	G max.		G min.		H	J		
3L-205	A4	138	65	76	110	82.6	63.51	96	4	15	32	1	15	-11	3	20	12
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
3L-208	A5	215	96	114	170	133.4	82.56	104.8	5	23	52	7	30	-13	10	20	30
3L-208	A6	215	96	114	170	133.4	106.38	150	5	23	52	7	30	-13	10	20	30
3L-210	A6	260	108	128	220	171.4	106.38	133.4	5	25	75	8.5	33	-16.5	8	25	45
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
3L-212	A8	315	125	138	220	171.4	139.72	190	5	18	91	15	33	-15	3	30	50
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
3L-15	A11	385	150	166	300	235	196.87	260	6	22	120	12.5	34.5	-22.5	-0.5	39	60

Model	K max.	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U			
3L-205	A4	M40x1.5	3~M10	15	15	31	62	14	15.75	5.25	38.5	29.5	25	10	3~M6	
3L-206	A5	M55x2	3~M10	18	15	37	73	20	15.25	7.75	51	39	31	12	3~M6	
3L-208	A5	M60x2	3~M12	18	19	38	95	25	19.25	10.25	63.5	47.5	35	14	6~M10	
3L-208	A6	M60x2	3~M12	18	20	38	95	25	19.25	10.25	63.5	47.5	35	14	3~M6	
3L-210	A6	M85x2	M60x2	3~M16	24	20	43	110	30	24.75	11.25	80	61.25	40	16	3~M12
3L-210	A8	M85x2		3~M16	24	21	43	110	30	24.75	11.25	80	61.25	40	16	3~M8
3L-212	A8	M100x2		3~M16	24	21	51	130	30	29.75	13.25	96.5	74	50	21	3~M8
3L-15	A8	M130x2		6~M20	33	31	63	165	43	51.25	27.25	94.25	68.25	62	25.5	6~M16
3L-15	A11	M130x2		6~M20	33	31	63	165	43	51.25	27.25	94.25	68.25	62	25.5	3~M10

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