Compact Hydraulic Cylinder with Large Through-Hole

SS series

Accommodates BB200 and B-200 series

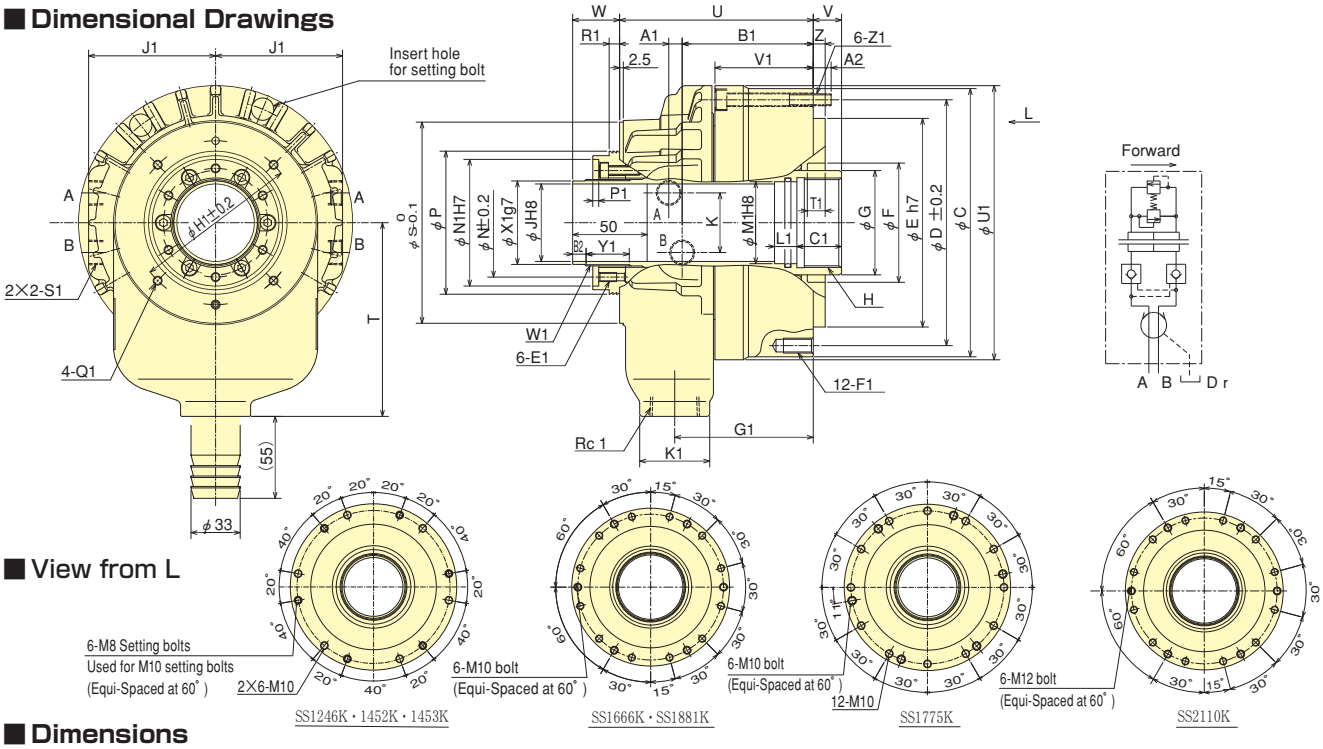
The compact design maximises Lathe performance

- Compact : 30% reduction in length of current S series
- Speed Increased
- Can operate one size larger chuck due to increased pull forces
- Coolant collector and confirmation devices are available as an option

※Please refer to P62 about options.

＊CE correspondence (Only series with checking device)

■ Dimensional Drawings



■ View from L

■ Dimensions

Model \ Dimensions	C	D	E	F	G	H	J Thru-Hole	K	N	P	S	T	U	V max.	V min.	W max.	W min.	Z	A1	B1	C1
SS1246K	162	147	130	75	65	M55×2	46	40	64	85	116	120	120	13	−3	45.0	29.0	8	8.5	79.5	25
SS1452K	180	165	140	80	70	M60×2	52	40	73	96	135	130	130	19	−3	53.5	31.5	8	9.0	88.0	30
SS1453K	180	165	140	80	70	M60×2	53	40	73	96	135	130	130	19	−3	53.5	31.5	8	9.0	88.0	30
SS1666K	207	190	168	95	85	M75×2	66	48	88	111	154	150	150	22	−3	58.0	33.0	8	13.0	99.5	35
SS1775K	212	195	160	105	95	M85×2	75	46	98	121	164	160	157	22	−3	57.0	32.0	8	17.5	99.0	35
SS1881K	222	205	168	110	100	M90×2	81	46	103	126	175	175	167	23	−2	58.0	33.0	8	17.0	106.0	35
SS2110K	260	240	200	135	125	M115×2	106	46	133	160	210	200	192	27	−3	64.0	34.0	8	20.0	120.5	35

Model \ Dimensions	E1 depth	F1 depth	G1	H1	J1	K1	L1	M1	N1	P1	Q1 depth	R1	S1	T1	U1	V1	W1	X1	Y1	Z1	A2	B2
SS1246K	M6×10	M10×20	84	98	76	47	15	50	76	4	M5×6	6.5	Rc3/8	12	165	57.5	M52×1.5	50.0	29	M8	15	9
SS1452K	M6×12	M10×20	93	110	86	47	15	55	85	4	M6×6	7.0	Rc3/8	12	184	66.0	M58×1.5	56.0	30	M8	12	8
SS1453K	M6×12	M10×20	93	110	86	47	15	55	85	4	M6×6	7.0	Rc3/8	12	184	66.0	M58×1.5	56.0	30	M8	12	8
SS1666K	M6×12	M12×24	108	145	97	47	15	70	100	4	M6×10	16.5	Rc1/2	12	211	71.0	M74×1.5	71.5	36	M10	19	9
SS1775K	M6×12	M10×20	110	155	100	47	15	80	108	4	M6×10	14.0	Rc1/2	12	216	71.0	M84×2.0	81.0	33	M10	18	9
SS1881K	M6×12	M12×24	115	166	105	47	15	85	113	4	M6×10	16.5	Rc1/2	12	226	71.0	M89×2.0	86.0	38	M10	19	9
SS2110K	M6×12	M12×24	130	201	124	47	15	110	145	4	M6×10	16.0	Rc1/2	12	263	79.5	M118×2.0	115.0	45	M12	18	9

■ Specifications

※Draw bar:at Max.Operation Pressure
※Leakage:Pressure 3.0MPa and oil temperature 50℃

Specifications / Model	Piston stroke mm	Piston Area Push Side cm²	Piston Area Pull Side cm²	Draw bar Push Side kN	Draw bar Pull Side kN	Max. Operation Pressure MPa	Max. Speed min⁻¹	Moment of inertia kg·m²	Net Weight kg	Leakage ℓ/min
SS1246K	16	102.8	91.5	43.6	38.9	4.50	8000	0.017	8.0	3.0
SS1452K	22	133.0	122.6	56.5	52.1	4.50	6500	0.031	13.0	3.9
SS1453K	22	133.0	122.6	56.5	52.1	4.50	6500	0.031	13.0	3.9
SS1666K	25	165.9	153.1	70.6	65.0	4.50	5600	0.065	19.0	4.0
SS1775K	25	166.5	152.1	70.7	64.6	4.50	5500	0.061	18.5	4.2
SS1881K	25	187.1	171.9	79.5	73.1	4.50	4800	0.087	24.0	4.3
SS2110K	30	229.6	219.6	74.7	71.0	3.50	3500	0.197	37.0	6.0