

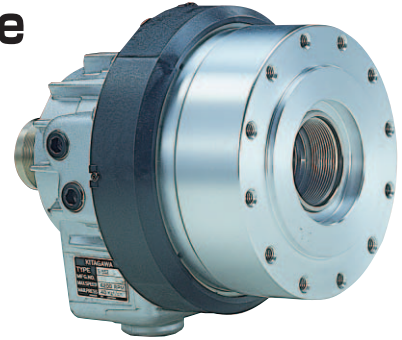


**ROTARY
CYLINDER**

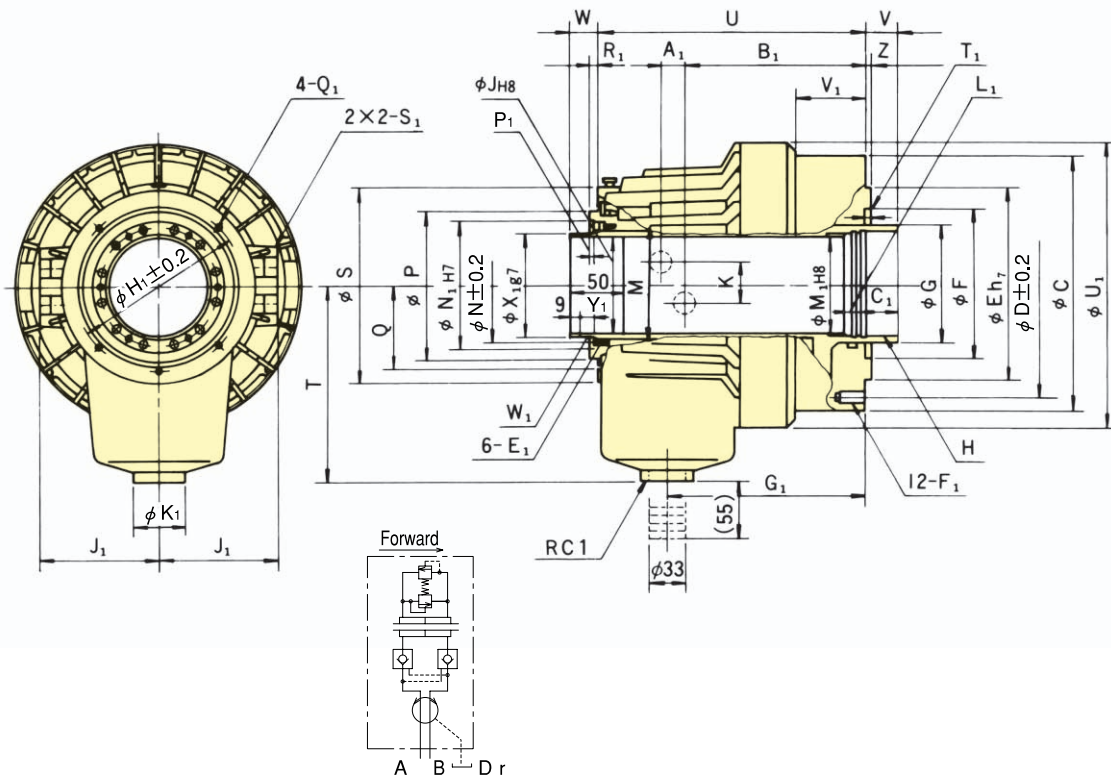
Large Thru-Hole High Speed Hydraulic Cylinder with Open Center S-L series

KITAGAWA standard thru-hole type

- Long piston stroke
- Built-in check valve and relief valve



Dimensional Drawings



Dimensions

Model	C	D	E	F	G	H	J Thru-hole	K	M	N	P	Q	S	T	U	V max.	V min.	W max.	W min.	Z	A ₁
S1246L	155	130	100	80	65	M55×2.0	46	36	52.9	64	85	51.5	118	115	200	27	-5	57	25	5	11.5
S1552L	190	170	130	85	70	M60×2.0	52	36	59.6	73	96	57.5	137	130	208	29	-5	59	25	5	12
S1875L	215	190	160	120	95	M85×2.0	75	36	84.6	98	121	70.5	166	160	241	35	-5	65	25	5	17.5
S2091L	240	215	180	140	110	M100×2.0	91	34	99.6	108	138	79	182	185	268	45	-5	75	25	5	21

Model	B ₁	C ₁	E ₁ depth	F ₁ depth	G ₁	H ₁	J ₁	K ₁	L ₁	M ₁	N ₁	P ₁	Q ₁ depth	R ₁	S ₁	T ₁	U ₁	V ₁	W ₁	X ₁	Y ₁
S1246L	147.5	30	M6×9	M10×20	156	98	76	47	15	50	76	4	M5×10	6	RC1/2	12	200	67	M52×1.5	50	33
S1552L	153	30	M6×9	M10×20	162	110	86	47	15	55	85	4	M6×12	7	RC1/2	12	220	68	M58×1.5	56	33
S1875L	169.5	35	M6×9	M10×20	182.5	155	101	47	15	80	108	4	M6×12	7	RC1/2	12	242	74	M84×2.0	81	33
S2091L	188	35	M6×14	M12×24	203	165	110	47	15	95	120	4	M6×12	7	RC1/2	12	267	86	M99×2.0	96	38

Specifications *Total leakage : Pressure 3.0MPa (30.6kgf/cm²) and oil temperature 50°C. *Draw bar pull force : Pressure 4.0MPa (40.8kgf/cm²)

Model	Piston Dia. mm	Piston stroke mm	Piston Area		Draw bar		Max. Operation Pressure	Max. Speed	Moment of inertia	Net Weight	Total leakage
			Push Side cm ²	Pull Side cm ²	Push Side kN(kgf)	Pull Side kN(kgf)	MPa (kgf/cm ²)	min ⁻¹ (r.p.m)	kg·m ²	kg	ℓ / min
S1246L	125	32	100	89	38 (3875)	33 (3365)	4 (40.8)	7000	0.022	12.8	3.0
S1552L	155	34	161	150	60 (6118)	56 (5710)	4 (40.8)	6200	0.058	17	3.9
S1875L	180	40	198	183	74 (7546)	69 (7036)	4 (40.8)	4700	0.100	26.8	4.2
S2091L	205	50	252	234	94 (9585)	88 (8973)	4 (40.8)	3800	0.160	34.1	4.5