ROTARY CYLINDER

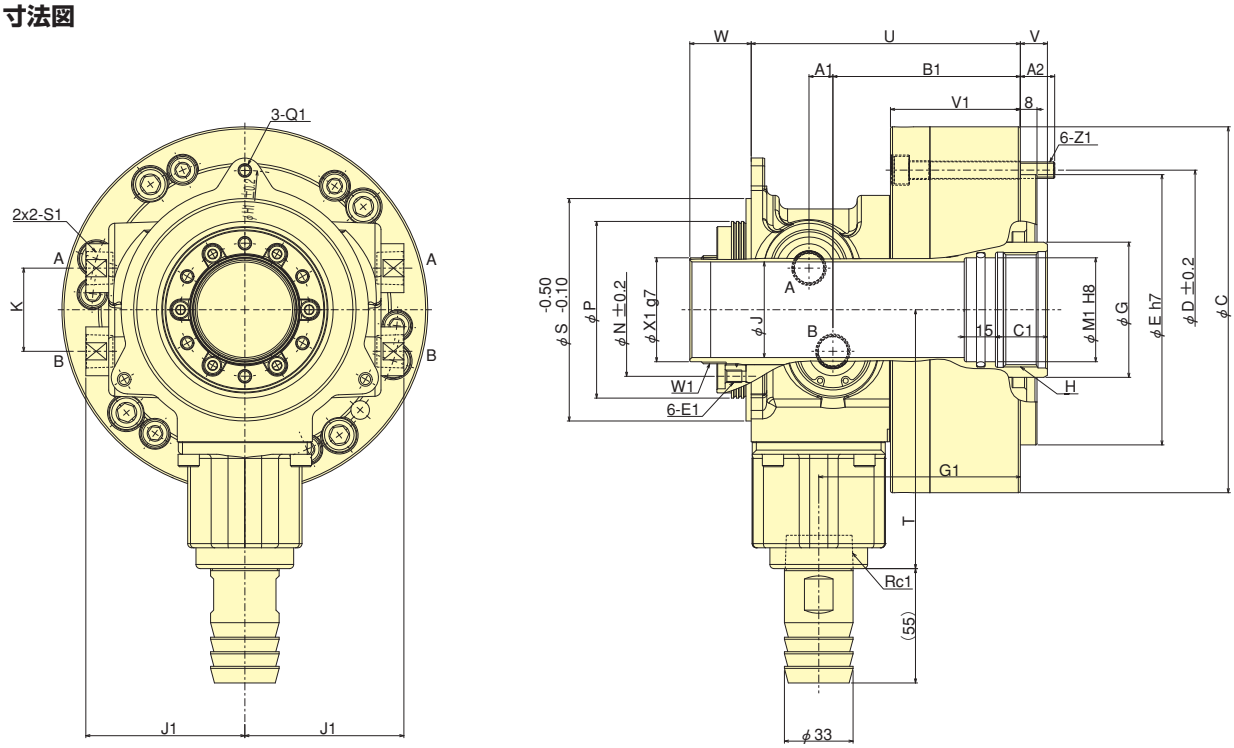
中空回転油圧シリンダ

SR series

■ KITAGAWAチャックの仕様に合わせた最適設計

●大きな貫通穴を実現
●クーラントコレクタ無しの仕様です。
クーラントコレクタ付はSR_Cシリーズをご覧ください。

■ 寸法図



■ 寸法表

型式＼寸法	C	D	E	G	H	J	K	N	P	S	T	U	V max.	V min.	W max.	W min.	A1	B1	C1	E1	G1	H1	J1	M1Q1	S1	V1	W1	X1	Z1	A2
SR1146	176	147	130	65	M55×2	46	40	64	85	107	124.5	129.5	13	-3	45.5	29.5	11.5	90.2	25	M6×8	97	134	76.5	50	M6	Rc3/8	62.5	M52×1.5	50	M8	16.5
SR1453	200	165	140	70	M60×2	53	40	73	96	117	130	133.5	19	0	53	34	11.5	94.2	30	M6×12	101	144	82.5	55	M6	Rc3/8	66.5	M58×1.5	56	M8	13
SR1566	210	190	168	85	M75×2	66	48	88	111	137	150	154.5	22	0	52	30	12.7	107.9	35	M6×12	108	169	98	70	M6	Rc1/2	73	M74×1.5	71.5	M10	18
SR1670	222	195	160	95	M78×2	70	46	103	126	157	175	171	22	-1	53	30	15.5	115.5	35	M6×12	122.5	189	98.5	75	M6	Rc1/2	72	M89×2	86	M10	19
SR1675	222	195	160	95	M85×2	75	46	103	126	157	175	171	22	-1	53	30	15.5	115.5	35	M6×12	122.5	189	98.5	80	M6	Rc1/2	72	M89×2	86	M10	19
SR1677	222	195	160	100	M88×2	77	46	103	126	157	175	171	22	-1	53	30	15.5	115.5	35	M6×12	122.5	189	98.5	80	M6	Rc1/2	72	M89×2	86	M10	19
SR1781	230	205	168	100	M90×2	81	46	103	126	157	175	176	23	-2	55	30	15.5	120.5	35	M6×12	127.5	189	98.5	85	M6	Rc1/2	77	M89×2	86	M10	19

■ 仕様表

型式＼仕様	貫通穴径 mm	ピストンストローク mm	ピストン表面積 押側 cm²	ピストン表面積 引側 cm²	ピストン推力 押側 kN	ピストン推力 引側 kN	最高使用油圧力 MPa	許容最高回転速度 min⁻¹	慣性モーメント kg·m²	質量 kg	総リーク量 ℓ/min
SR1146	46	16	87	76	32.8	28.6	4.0	6000	0.026	11	3.0
SR1453	53	19	121	111	47.9	43.9	4.2	6000	0.045	14	3.9
SR1566	66	22	132	120	49.7	45.0	4.0	5000	0.064	19	4.0
SR1670	70	23	150	143	56.4	53.6	4.0	4500	0.086	24.5	4.3
SR1675	75	23	150	143	56.4	53.6	4.0	4500	0.084	23.5	4.3
SR1677	77	23	150	135	56.4	50.7	4.0	4500	0.084	23.5	4.3
SR1781	81	25	171	156	64.3	58.7	4.0	4500	0.095	23.5	4.3

※総リーク量：油圧力3.0MPa、油温50℃の時　　※ピストン推力：最高使用油圧力時

ROTARY CYLINDER

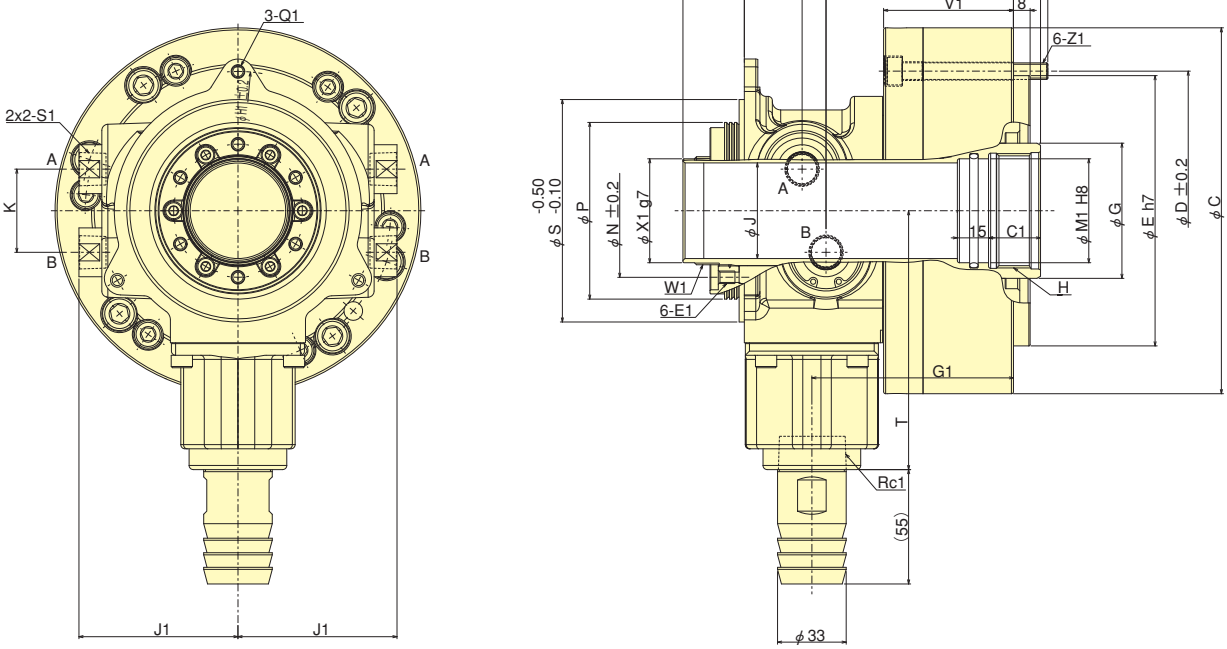
Next-Generation Hydraulic Cylinder with Large Through-Hole

SR series

Suitable design for KITAGAWA chuck

- Large through-hole
- This model is not equipped with a coolant collector.
  For models equipped with a coolant collector,
  please see the SR_C series.

Dimensional Drawings



Dimensions

Model \ Dimensions	C	D	E	G	H	J	K	N	P	S	T	U	V max.	V min.	W max.	W min.	A1	B1	C1	E1	G1	H1	J1	M1	Q1	S1	V1	W1	X1	Z1	A2
SR1146	176	147	130	65	M55×2	46	40	64	85	107	124.5	129.5	13	-3	45.5	29.5	11.5	90.2	25	M6×8	97	134	76.5	50	M6	Rc3/8	62.5	M52×1.5	50	M8	16.5
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Specifications

Model \ Specifications	Thru-Hole mm	Piston stroke mm	Piston Area Push Side cm²	Piston Area Pull Side cm²	Piston thrust Push Side kN	Piston thrust Pull Side kN	Max. Operation Pressure MPa	Max. Speed min⁻¹	Moment of Inertia kg·m²	Net Weight kg	Leakage ℓ/min
SR1146	46	16	87	76	32.8	28.6	4.0	6000	0.026	11	3.0
SR1453	53	19	121	111	47.9	43.9	4.2	6000	0.045	14	3.9
SR1566	66	22	132	120	49.7	45.0	4.0	5000	0.064	19	4.0
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SR1677	77	23	150	135	56.4	50.7	4.0	4500	0.084	23.5	4.3
SR1781	81	25	171	156	64.3	58.7	4.0	4500	0.095	23.5	4.3

※Leakage:Pressure 3.0MPa and oil temperature 50℃ ※Piston thrust:at Max.Operation Pressure