

SRC SERIES Single-Acting Cylinders



Capacity: 5-100tons

Stroke: 1.0-14.25inch

Max. Pressure: 10,000psi

Pump Selection

Selection appropriate pumps for offer optimum combination. For details, please refer to the section " hydraulic pumps ".



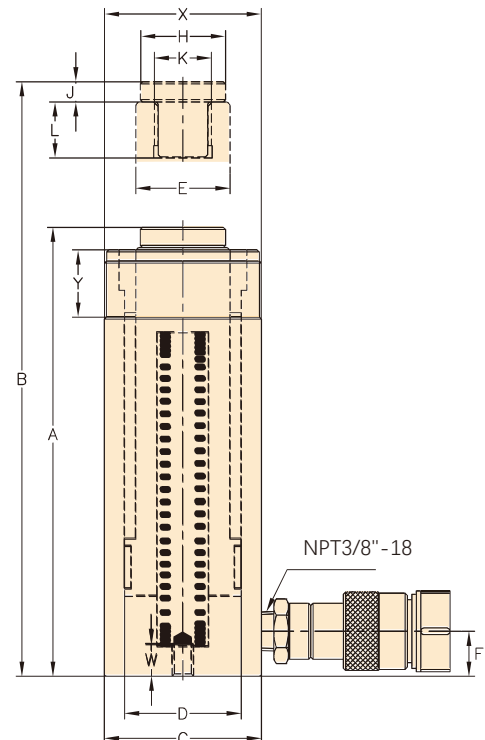
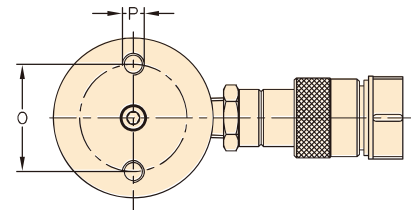
Hoses

Select AIPI high quality high pressure hoses. For details, please refer to the section " hydraulic components ".



Features

- Single-acting, high strength spring return, easy to use.
- The exclusive guide Ring is designed absorbs eccentric loading without galling cylinder parts, reduces wear and extending life.
- Special painted surface to increase corrosion resistance.
- Easy fixturing with collar threads, plunger threads and base mounting holes.
- All models include NPT3/8"-18 quick coupling and dust cap.
- Removable hardened grooved saddles.
- Customizable with special requirement.



Quick Selection Chart

Cylinder Capacity	Stroke	Model Number	Oil Capacity	Collapsed Height	Extended Height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia.	Weight
				A	B	C	D	E	
ton (Max.)	(inch)		(in ³)	(inch)	(inch)	(inch)	(inch)	(inch)	(lbs)
5 (4.5)	1.00	SRC5-25	1.1	4.33	5.30	1.57	1.18	0.98	2
	3.00	SRC5-76	3.3	6.50	9.50	1.57	1.18	0.98	4
	5.00	SRC5-127	5.5	8.46	13.46	1.57	1.18	0.98	4
	7.00	SRC5-177	7.6	10.75	17.72	1.57	1.18	0.98	6
	9.13	SRC5-232	10.0	12.72	21.85	1.57	1.18	0.98	7
10 (10.1)	2.13	SRC10-54	5.2	4.76	6.90	2.32	1.77	1.38	5
	4.13	SRC10-105	10.2	6.73	10.87	2.32	1.77	1.38	7
	6.13	SRC10-156	15.1	9.72	15.87	2.32	1.77	1.38	9
	8.00	SRC10-203	19.7	11.73	19.72	2.32	1.77	1.38	13
	10.13	SRC10-257	25.0	13.74	23.86	2.32	1.77	1.38	15
	12.00	SRC10-304	29.5	15.75	27.83	2.32	1.77	1.38	17
	14.00	SRC10-356	34.5	17.72	31.73	2.32	1.77	1.38	18
15 (14.2)	1.00	SRC15-25	3.2	4.88	5.87	2.76	2.05	1.65	8
	2.00	SRC15-51	6.6	5.87	7.87	2.76	2.05	1.65	9
	4.00	SRC15-101	13.1	7.87	11.85	2.76	2.05	1.65	11
	6.00	SRC15-152	19.7	10.67	16.65	2.76	2.05	1.65	15
	8.00	SRC15-203	26.3	12.68	20.67	2.76	2.05	1.65	18
	10.00	SRC15-254	32.9	14.70	24.70	2.76	2.05	1.65	20
	12.00	SRC15-305	39.5	16.65	28.66	2.76	2.05	1.65	22
	14.00	SRC15-356	46.1	18.66	32.68	2.76	2.05	1.65	24
25 (23.2)	1.00	SRC25-26	5.2	5.47	6.50	3.35	2.56	2.20	13
	2.00	SRC25-50	10.1	6.50	8.46	3.35	2.56	2.20	15
	4.00	SRC25-102	20.6	8.46	12.48	3.35	2.56	2.20	18
	6.25	SRC25-158	32.0	10.75	16.97	3.35	2.56	2.20	22
	8.25	SRC25-210	42.5	12.72	20.98	3.35	2.56	2.20	26
	10.25	SRC25-261	52.8	14.72	25.00	3.35	2.56	2.20	31
	12.25	SRC25-311	62.9	16.73	28.98	3.35	2.56	2.20	33
	14.25	SRC25-362	73.3	18.74	33.00	3.35	2.56	2.20	37
30 (29.5)	2.00	SRC30-50	12.8	8.98	10.94	3.98	2.87	2.36	29
	4.00	SRC30-100	25.5	10.94	14.88	3.98	2.87	2.36	35
	8.25	SRC30-209	53.3	15.24	23.46	3.98	2.87	2.36	42
	11.81	SRC30-300	76.6	18.82	30.63	3.98	2.87	2.36	60
50 (49.8)	2.00	SRC50-51	22.0	6.93	8.94	5.00	3.74	3.15	33
	4.00	SRC50-101	43.7	8.94	12.90	5.00	3.74	3.15	42
	6.25	SRC50-159	68.7	11.10	17.36	5.00	3.74	3.15	51
	13.25	SRC50-337	145.7	18.11	31.38	5.00	3.74	3.15	82
75 (71.8)	6.13	SRC75-156	98.9	11.22	17.36	5.90	4.53	3.94	73
	13.13	SRC75-333	211.0	19.37	32.48	5.90	4.53	3.94	119
95 (93.3)	6.63	SRC100-168	136.0	14.06	20.67	6.97	5.12	4.41	130
	10.25	SRC100-260	210.5	17.68	27.90	6.97	5.12	4.41	159

- SRC50, SRC75 and SRC100 cylinder have no internal thread.

Installation Reference Datasheet

Cylinder Capacity	Stroke	Model Number	Base to Advance Port	Saddle Dia.	Saddle Protr. from Plunger	Plunger Internal Thread	Plunger Thread Length	Base Mounting Holes			Collar Thread	Collar Thread Length
			F	H	J	K	L	Bolt Circle	Thread	Thd. Depth	X	Y
			(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)
5 (4.5)	1.00	SRC5-25	0.87	0.98	0.24	3/4"-16UN	0.55	0.98	1/4"-20UN	0.25	1 1/2"-16	1.10
	3.00	SRC5-76	0.87	0.98	0.24	3/4"-16UN	0.55	0.98	1/4"-20UN	0.25	1 1/2"-16	1.10
	5.00	SRC5-127	0.87	0.98	0.24	3/4"-16UN	0.55	0.98	1/4"-20UN	0.25	1 1/2"-16	1.10
	7.00	SRC5-177	0.87	0.98	0.24	3/4"-16UN	0.55	0.98	1/4"-20UN	0.25	1 1/2"-16	1.10
	9.13	SRC5-232	0.87	0.98	0.24	3/4"-16UN	0.55	0.98	1/4"-20UN	0.25	1 1/2"-16	1.10
10 (10.1)	2.13	SRC10-54	0.75	1.38	0.24	1"-8UN	0.75	1.54	5/16"-18UN	0.47	2 1/4"-14	1.10
	4.13	SRC10-105	0.75	1.38	0.24	1"-8UN	0.75	1.54	5/16"-18UN	0.47	2 1/4"-14	1.10
	6.13	SRC10-156	0.79	1.38	0.24	1"-8UN	0.75	1.54	5/16"-18UN	0.47	2 1/4"-14	1.10
	8.00	SRC10-203	0.87	1.38	0.24	1"-8UN	0.75	1.54	5/16"-18UN	0.47	2 1/4"-14	1.10
	10.13	SRC10-257	0.87	1.38	0.24	1"-8UN	0.75	1.54	5/16"-18UN	0.47	2 1/4"-14	1.10
	12.00	SRC10-304	0.87	1.38	0.24	1"-8UN	0.75	1.54	5/16"-18UN	0.47	2 1/4"-14	1.10
	14.00	SRC10-356	0.87	1.38	0.24	1"-8UN	0.75	1.54	5/16"-18UN	0.47	2 1/4"-14	1.10
15 (14.2)	1.00	SRC15-25	0.80	1.50	0.35	1"-8UN	0.98	1.85	3/8"-16UN	0.47	2 3/4"-16	1.18
	2.00	SRC15-51	0.80	1.50	0.35	1"-8UN	0.98	1.85	3/8"-16UN	0.47	2 3/4"-16	1.18
	4.00	SRC15-101	0.80	1.50	0.35	1"-8UN	0.98	1.85	3/8"-16UN	0.47	2 3/4"-16	1.18
	6.00	SRC15-152	0.98	1.50	0.35	1"-8UN	0.98	1.85	3/8"-16UN	0.47	2 3/4"-16	1.18
	8.00	SRC15-203	0.98	1.50	0.35	1"-8UN	0.98	1.85	3/8"-16UN	0.47	2 3/4"-16	1.18
	10.00	SRC15-254	0.98	1.50	0.35	1"-8UN	0.98	1.85	3/8"-16UN	0.47	2 3/4"-16	1.18
	12.00	SRC15-305	0.98	1.50	0.35	1"-8UN	0.98	1.85	3/8"-16UN	0.47	2 3/4"-16	1.18
	14.00	SRC15-356	0.98	1.50	0.35	1"-8UN	0.98	1.85	3/8"-16UN	0.47	2 3/4"-16	1.18
25 (23.2)	1.00	SRC25-26	0.98	1.97	0.40	1 1/2"-16UN	0.98	2.28	1/2"-13UN	0.75	3 5/16"-12	1.93
	2.00	SRC25-50	0.98	1.97	0.40	1 1/2"-16UN	0.98	2.28	1/2"-13UN	0.75	3 5/16"-12	1.93
	4.00	SRC25-102	0.98	1.97	0.40	1 1/2"-16UN	0.98	2.28	1/2"-13UN	0.75	3 5/16"-12	1.93
	6.25	SRC25-158	0.98	1.97	0.40	1 1/2"-16UN	0.98	2.28	1/2"-13UN	0.75	3 5/16"-12	1.93
	8.25	SRC25-210	0.98	1.97	0.40	1 1/2"-16UN	0.98	2.28	1/2"-13UN	0.75	3 5/16"-12	1.93
	10.25	SRC25-261	0.98	1.97	0.40	1 1/2"-16UN	0.98	2.28	1/2"-13UN	0.75	3 5/16"-12	1.93
	12.25	SRC25-311	0.98	1.97	0.40	1 1/2"-16UN	0.98	2.24	1/2"-13UN	0.75	3 5/16"-12	1.93
	14.25	SRC25-362	0.98	1.97	0.40	1 1/2"-16UN	0.98	2.24	1/2"-13UN	0.75	3 5/16"-12	1.93
30 (29.5)	2.00	SRC30-50	1.42	1.97	0.40	1 1/2"-16UN	0.98	2.76	1/2"-13UN	0.75	3 7/8"-12	1.93
	4.00	SRC30-100	1.42	1.97	0.40	1 1/2"-16UN	0.98	2.76	1/2"-13UN	0.75	3 7/8"-12	1.93
	8.25	SRC30-209	1.42	1.97	0.40	1 1/2"-16UN	0.98	2.76	1/2"-13UN	0.75	3 7/8"-12	1.93
	11.81	SRC30-300	1.42	1.97	0.40	1 1/2"-16UN	0.98	2.76	1/2"-13UN	0.75	3 7/8"-12	1.93
50 (49.8)	2.00	SRC50-51	1.30	\	\	\	\	3.74	1/2"-14UN	0.70	5"-12	2.17
	4.00	SRC50-101	1.30	\	\	\	\	3.74	1/2"-13UN	0.70	5"-12	2.17
	6.25	SRC50-159	1.30	\	\	\	\	3.74	1/2"-13UN	0.70	5"-12	2.17
	13.25	SRC50-337	1.30	\	\	\	\	3.74	1/2"-13UN	0.75	5"-12	2.17
75 (71.8)	6.13	SRC75-156	1.60	\	\	\	\	4.33	1/2"-13UN	0.60	5 3/4"-12	1.73
	13.13	SRC75-333	1.60	\	\	\	\	4.33	1/2"-13UN	0.60	5 3/4"-12	1.73
95 (93.3)	6.63	SRC100-168	1.60	\	\	\	\	5.47	3/4"-10UN	0.98	6 7/8"-12	1.73
	10.25	SRC100-260	1.60	\	\	\	\	5.47	3/4"-10UN	0.98	6 7/8"-12	1.73

- If you have any difficulty or questions in the installing process, please contact us directly.