

SHTL SERIES

Single-Acting High Tonnage Lock-Nut Cylinders



Capacity: 50-800 tons

Stroke: 1.97-11.81 inch

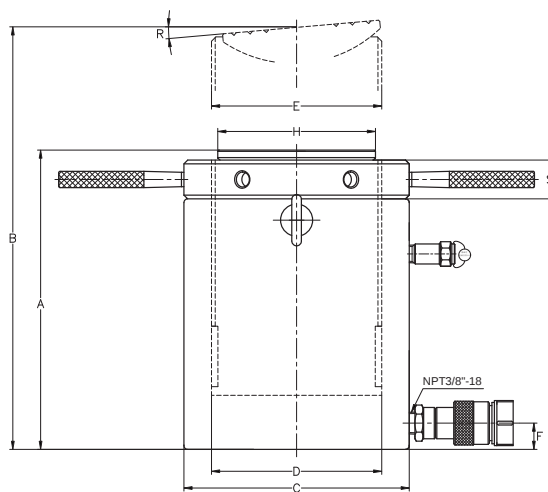
Max. Pressure: 10,000 psi

Standard Features

- Lock nut ensure the safety of long time load holding.
- Top and side mounted lifting eyes.
- Overflow port function could limit the stroke.
- QCS-A-NPT3/8 coupler and dustcap.

Features

- Single acting, loads return.
- Special painted surface to increase corrosion resistance.
- Lock nut ensure the safety of long time load holding.
- All models include quick couplings (NPT3/8"-18) and dust-proof cap.
- Overflow port function could limit the stroke.
- The exclusive guide ring is designed absorbs eccentric loading without galling cylinder parts, reduces wear and extending life.
- Removable hardened saddles protect plunger during lifting and pressing.



Pump Selection

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



Low Profile Lock-Nut Cylinders

When low height with high force is required, pancake cylinders with lock nut offer the solution to lift the first few centimetres.

Integrated Tilt Saddles

ALL SLL-Series cylinders include integral tilt saddles with maximum tilt angles up to 5°.



Cylinder Capacity	Stroke	Model Number	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia. (Thread)	Base to Advance Port	Saddle Dia.	Saddle Max. Tilt Angle	Lock Nut Height	Weight
					A	B	C	D	E	F	H	R	S	
(ton)	(inch)		(inch ²)	(inch ³)	(inch)	(inch)	(inch)	(inch)	(mm)	(inch)	(inch)		(inch)	(lbs)
50	1.97	SHTL50-50	12.17	23.9	5.56	8.27	5.51	3.94	Tr99x4	0.94	3.54	5°	1.18	40
50	3.94	SHTL50-100	12.17	47.8	6.38	11.6	6.3	3.94	Tr99x4	0.94	3.54	5°	1.18	55
50	5.91	SHTL50-150	12.17	71.8	8.15	14.36	7.48	3.94	Tr99x4	0.94	3.54	5°	1.18	73
50	7.87	SHTL50-200	12.17	95.7	9.92	17.12	8.66	3.94	Tr99x4	0.94	3.54	5°	1.18	90
50	11.81	SHTL50-300	12.17	143.5	13.15	23.06	10.55	3.94	Tr99x4	0.94	3.54	5°	1.18	117
100	1.97	SHTL100-50	23.85	47	6.1	9.41	6.3	5.51	Tr13x6	1.02	5.12	5°	1.57	75
100	3.94	SHTL100-100	23.85	94	8.39	15.49	7.48	5.51	Tr13x6	1.02	5.12	5°	1.57	110
100	5.91	SHTL100-150	23.85	141	10.39	20.63	8.66	5.51	Tr13x6	1.02	5.12	5°	1.57	134
100	7.87	SHTL100-200	23.85	188	12.39	25.76	9.84	5.51	Tr13x6	1.02	5.12	5°	1.57	161
100	11.81	SHTL100-300	23.85	281.9	16.14	35.1	12.6	5.51	Tr13x6	1.02	5.12	5°	1.57	205
150	1.97	SHTL150-50	35.17	69.2	7.1	10.56	7.48	6.7	Tr15x6	1.38	6.3	5°	1.5	123
150	3.94	SHTL150-100	35.17	138.5	10.14	18.36	9.06	6.7	Tr15x6	1.38	6.3	5°	1.5	154
150	5.91	SHTL150-150	35.17	207.7	12.05	23.18	10.63	6.7	Tr15x6	1.38	6.3	5°	1.5	183
150	7.87	SHTL150-200	35.17	276.9	14.02	28.3	11.81	6.7	Tr15x6	1.38	6.3	5°	1.5	214
150	11.81	SHTL150-300	35.17	415.3	17.95	37.26	14.57	6.7	Tr15x6	1.38	6.3	5°	1.5	273
200	1.97	SHTL200-50	48.67	97.3	7.36	10.89	7.48	7.48	Tr17x6	1.38	6.3	5°	1.5	205
200	5.91	SHTL200-150	48.67	287.5	13.5	22.1	10.55	7.48	Tr17x6	1.38	6.3	5°	1.5	289
200	11.81	SHTL200-300	48.67	575	19	32.4	14.96	7.48	Tr17x6	1.38	6.3	5°	1.5	417
300	1.97	SHTL300-50	76.04	149.4	10.2	15.76	9.06	9.06	Tr24x6	1.38	8.66	5°	2.36	395
300	5.91	SHTL300-150	76.04	448.1	15.5	26.5	12.6	9.06	Tr24x6	1.38	8.66	5°	2.36	529
300	11.81	SHTL300-300	76.04	898.1	21.46	37.46	19.29	9.06	Tr24x6	1.38	8.66	5°	2.36	730
400	1.97	SHTL400-50	95.4	187.8	11.6	17.78	10.55	11.02	Tr27x6	2.76	10.08	5°	2.36	586
400	5.91	SHTL400-150	95.4	563.3	18	27.78	14.57	11.02	Tr27x6	2.76	10.08	5°	2.36	761
400	11.81	SHTL400-300	95.4	1129	21.85	35.46	20.08	11.02	Tr27x6	2.76	10.08	5°	2.36	1023
500	1.97	SHTL500-50	124.6	245.3	12.4	16.4	14.17	12.6	Tr35x6	3.15	12.05	5°	3.15	789
500	5.91	SHTL500-150	124.6	735.8	20.4	32.4	18.11	12.6	Tr35x6	3.15	12.05	5°	3.15	1001
500	11.81	SHTL500-300	124.6	1471.5	25.15	41.26	21.65	12.6	Tr35x6	3.15	12.05	5°	3.15	1316
600	1.97	SHTL600-50	157.7	310	15.2	20.2	16.54	14.17	Tr35x6	3.15	12.05	5°	3.15	1080
600	5.91	SHTL600-150	157.7	930	25.2	40.2	19.69	14.17	Tr35x6	3.15	12.05	5°	3.15	1354
600	11.81	SHTL600-300	157.7	1862.6	31.15	51.85	25.15	14.17	Tr35x6	3.15	12.05	5°	3.15	1764
800	1.97	SHTL800-50	194.68	383.6	16.3	21.75	18.11	15.75	Tr39x6	3.94	15.75	5°	3.15	1858
800	5.91	SHTL800-150	194.68	1149.6	26.3	40.75	21.65	15.75	Tr39x6	3.94	15.75	5°	3.15	2266
800	11.81	SHTL800-300	194.68	2300.5	37.46	56.15	29.45	15.75	Tr39x6	3.94	15.75	5°	3.15	2879