

SC系列标准气缸
SC Series Standard Cylinder



SC-40x100-S



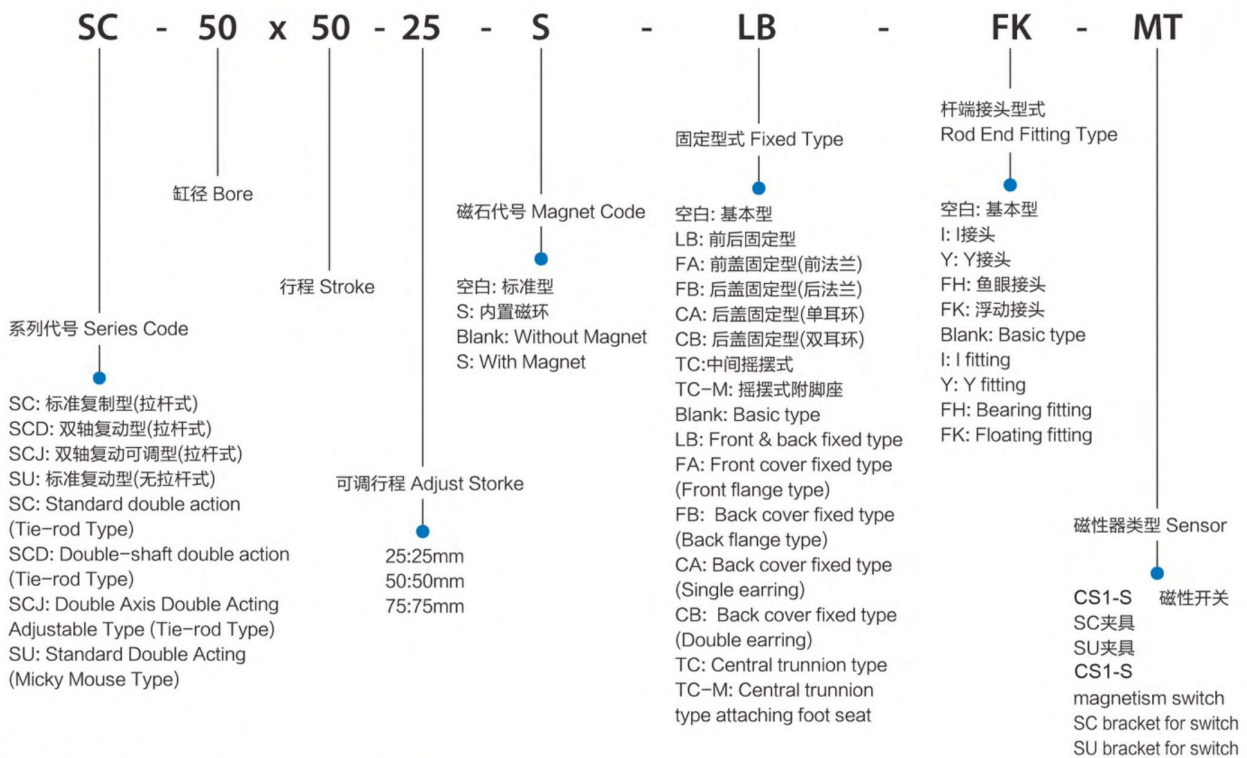
SCJ40x75-50



SC100x150

订购码 Ordering Code

气缸
Cylinder



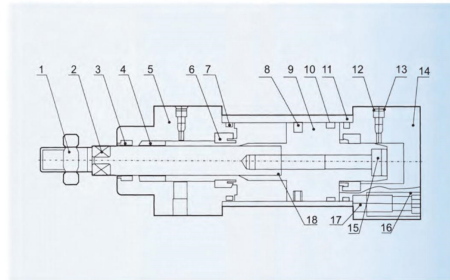
规格 Specification

内径 Bore (mm)	32	40	50	63	80	100	125	160	200	250	320
动作型式/Motion Pattern	复动型 Double Action										
工作介质/Working Medium	空气 Air										
固定型式/Fixed Type	基本型/Normal type FA型/Type FB型/Type CA型/Type CB型/Type LB型/Type TC型/Type TC-M型/Type										
使用压力范围/Working Pressure Range	0.1~0.9MPa										
保证耐压力/Ensured Pressure Resistance	1.35MPa										
使用温度范围/Operating Temperature Range	0~70℃										
使用速度范围/Operating Speed Range	50~800mm/s										
缓冲型式/Buffer Type	可调缓冲 /Adjustable Buffer										
缓冲行程/Buffer Stroke	20mm			26mm			45mm	52mm	66mm		
接管口径/Port Size	G1/8"	G1/4"		G3/8"		G1/2"		G3/4"	G1"		

行程 Stroke

内径 Bore (mm)	标准行程 Standard Stroke	最大行程 Max.Stroke	容许行程 Permissible Stroke
32	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500	1000	2000
40	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800	1200	2000
50	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	2000
63	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
80	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
100	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
125	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
160	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
200	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
250	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
320	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

内部结构 Internal Structure



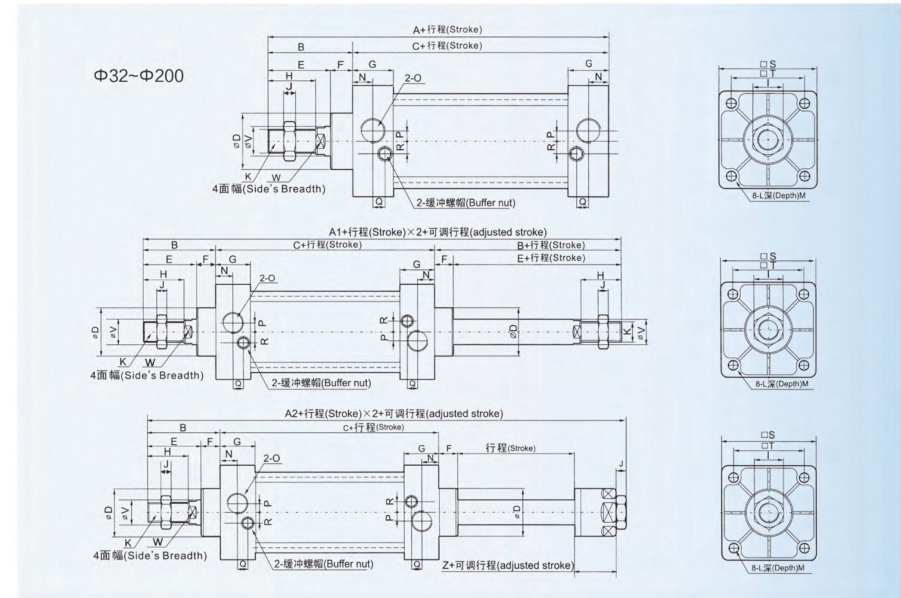
零件表 Parts

序号 NO.	名称 Designation	序号 NO.	名称 Designation
1	活塞杆螺母 Piston Rod Nut	10	耐磨环 Wear Ring
2	活塞杆 Piston Rod	11	缸筒 Barrel
3	前盖密封圈 Front Cover Seal Ring	12	缓冲密封圈 Buffer Seal Ring
4	含油轴承 Bearing	13	缓冲可调针 Damping Adjustable Screw
5	前盖 Front Cover	14	后盖 Back Over
6	缓冲体O型圈 Buffering O-ring	15	内六角螺栓 Hex Socket Screw
7	管壁O型圈 Pipe Wall O-ring	16	拉杆螺母 Tie Rod Nut
8	活塞O型圈 Piston O-ring	17	拉杆 Tie Rod
9	活塞 Piston	18	活塞杆密封圈 Piston Rod O-ring

气缸理论出力表 Cylinder Theory Output

气缸内径 Cylinder Inside Diameter	活塞杆外径 External Diameter of Piston Rod	动作型式 Motion Pattern	受压面积 Compression Area (cm ²)	空气压力 Air Pressure (Kg/cm ²)								
				1	2	3	4	5	6	7	8	9
32	12	压侧 Press Side	8.04	8.04	16.08	24.12	32.16	40.20	48.24	56.28	64.32	72.36
		拉侧 Pull Side	6.90	6.90	13.80	20.07	27.60	34.50	41.40	48.30	55.20	62.10
40	16	压侧 Press Side	12.56	12.56	25.12	37.68	50.24	62.80	75.36	87.92	100.24	113.04
		拉侧 Pull Side	10.55	10.55	21.10	31.65	42.20	52.75	63.30	73.85	84.40	94.95
50	20	压侧 Press Side	19.63	19.63	39.26	58.89	78.52	98.15	117.78	137.41	157.04	176.67
		拉侧 Pull Side	16.49	16.49	32.98	49.47	65.96	82.45	98.94	115.43	131.92	148.41
63	20	压侧 Press Side	31.17	31.17	62.34	93.51	124.68	155.85	187.02	218.19	249.36	280.53
		拉侧 Pull Side	28.03	28.03	56.06	84.09	112.12	140.15	168.18	196.21	224.24	252.27
80	25	压侧 Press Side	50.26	50.26	100.52	150.78	201.04	251.30	301.56	351.82	402.08	452.34
		拉侧 Pull Side	45.36	45.36	90.72	136.08	181.44	226.80	272.16	317.52	362.88	408.24
100	25	压侧 Press Side	78.53	78.53	157.06	235.59	314.12	392.65	471.18	549.71	628.24	706.77
		拉侧 Pull Side	71.47	71.47	142.94	214.41	285.88	357.35	428.82	500.29	571.76	643.23
125	32	压侧 Press Side	122.72	122.72	245.44	368.16	490.88	613.60	736.32	859.04	981.76	1104.48
		拉侧 Pull Side	114.68	114.68	229.36	344.04	458.72	573.40	688.08	802.76	917.44	1032.12
160	40	压侧 Press Side	201.06	201.06	402.12	603.18	804.24	1005.30	1206.36	1407.42	1608.48	1809.54
		拉侧 Pull Side	188.49	188.49	376.98	565.47	753.96	942.45	1130.94	1319.43	1507.92	1696.41
200	40	压侧 Press Side	314.16	314.16	628.32	942.48	1256.64	1570.80	1884.96	2199.12	2513.28	2827.44
		拉侧 Pull Side	301.57	301.57	603.14	904.71	1206.28	1507.80	1809.42	2100.99	2412.56	2714.13
250	50	压侧 Press Side	49060	9812	14718	19624	24530	29436	34342	39248		
		拉侧 Pull Side	47100	9420	14130	18840	23550	28260	32970	37680		
320	63	压侧 Press Side	80384	16077	24115	32154	40192	48230	56269	64307		
		拉侧 Pull Side	77268	15454	23180	30907	38634	46361	54088	61814		

外形尺寸 Overall Dimension



尺寸表 Dimension Sheet

内径 Bore	A	A1	A2	B	C	D	E	F	G	H	I	J	K
32	140	187	182	47	93	26	32	15	27.5	22	17	6	M10 × 1.25
40	142	191	185	49	93	30	34	15	27.5	24	19	7	M12 × 1.25
50	150	207	196	57	93	36	42	15	27.5	32	24	8	M16 × 1.5
63	153	210	199	57	96	36	42	15	27.5	32	24	8	M16 × 1.5
80	182	257	242	75	108	47	54	21	33	40	30	9	M20 × 1.5
100	188	263	248	75	108	47	54	21	33	40	30	9	M20 × 1.5
125	239	330	363	104	136	56	71	32	40	54	40	12	M27 × 2
160	291	412	450	121	166	62	92	60	50	72	50	14	M36 × 2
200	272	409	451	132	130	75	117	30	41	72	50	16	M36 × 2
250	389	-	-	189	200	90	122	67	54	84	65	21	M42 × 2
320	436	-	-	216	220	110	126	90	65	96	75	24	M48 × 2

内径 Bore	L	M	N	O	P	Q	R	S	T	V	W	Z
32	M6 × 1	9.5	13.7	G1/8"	3.5	7.5	7	45	33	12	10	21
40	M6 × 1	9.5	13.5	G1/4"	6	8.2	9	50	37	16	14	21
50	M6 × 1	9.5	13.5	G1/4"	8.5	8.2	9	62	47	20	17	23
63	M8 × 1.25	9.5	13.5	G3/8"	7	8.2	8.5	75	56	20	17	23
80	M10 × 1.5	11.5	16.5	G3/8"	10	9.5	14	94	70	25	22	29
100	M10 × 1.5	11.5	16.5	G1/2"	11	9.5	14	112	84	25	22	29
125	M12 × 1.75	21	16.5	G1/2"	/	/	/	140	110	32	28	33
160	M16 × 2	25	26	G3/4"	/	/	/	180	140	40	36	38
200	M16 × 2	25	22.5	G3/4"	/	/	/	220	175	40	36	42
250	M20	31	G1"	18.5	5	40	270	220	50	46	-	-
320	M24	31	G1"	35	10	35	350	270	63	55	-	-