

SC/SU Series



SC/SU	-	50	×	50	-	S	-	□	-	□
SCD/SUD	-	50	×	50	-	S	-	□	-	□
SCJ/SUJ	-	50	×	50	-	20	-	S	-	□

Bore

Stroke

Adjust stroke

10:10mm	
20:20mm	50:50mm
30:30mm	75:75mm
40:40mm	100:100mm

Magnet code
S: With magnet
Blank: No magnet

Material of seal
:TPU
N:NBR
H:

Material of seal
Blank: TPU
N: NBR
H: Fluorous rubber

Fixing mode

Model
SC/SU:
Standard double acting type
SCD/SUD:
Dual-axis double acting type
SCJ/SUJ:
Dual-axis double acting type with adjustable stroke

		SC SCD SCJ
LB		
FA		SC SCD SCJ
FB		SC
CA		
CB		
TC		SC SCD SCJ

Series	I.D.(mm)	Thread	Caliber size	Standard stroke	Max.stroke	Permissible stroke
SC/SCD/SCJ SU/SUD/SUJ	32	M10 × 1.25	PT1/8	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	1800
	40	M12 × 1.25	PT1/4	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	1800
	50	M6 × 1.5			1200	1800
	63		PT3/8		1500	1800
	80	M20 × 1.5			1500	1800
	100				PT1/2	1500

Note: please contact us for other special strokes

Calculation method of theoretically cylinder output



F=PX_A

F... Theoretically cylinder output (kgf)

P... Working pressure (kgf/cm²)

A... Piston compression area (cm²)

I.D. of cylinder	Outer diameter of piston rod	Action type	Compression area	working pressure (kgf/cm ²)									
				1	2	3	4	5	6	7	8	9	
16	6	DA type	Pressing side	2.01	2.01	4.02	6.03	8.04	10.05	12.06	14.07	-	-
			Pulling side	1.81	1.81	3.62	5.43	7.24	9.05	10.86	12.67	-	-
20	8		Pressing side	3.14	3.14	6.28	9.42	12.56	15.70	18.84	21.98	25.12	28.26
			Pulling side	2.64	2.64	5.28	7.92	10.56	13.20	15.84	18.48	21.12	23.76
25	10		Pressing side	4.90	4.90	9.80	14.70	19.60	24.50	29.40	34.30	39.20	44.10
			Pulling side	4.12	4.12	8.24	12.36	16.48	20.60	24.72	28.84	32.96	37.08
32	12		Pressing side	8.04	8.04	16.08	24.21	32.16	40.20	48.24	56.28	64.32	72.36
			Pulling side	6.09	6.09	13.80	20.70	27.60	34.50	41.40	48.30	55.20	62.10
40	16		Pressing side	12.56	12.56	25.12	37.68	50.24	62.80	75.36	87.92	100.24	113.04
			Pulling side	10.55	10.55	21.10	31.65	42.20	52.75	63.30	73.85	84.40	94.95
50	20		Pressing side	19.63	19.63	39.26	58.89	78.52	98.15	117.78	137.41	157.04	176.67
			Pulling side	16.49	16.49	32.98	49.47	65.96	82.45	98.94	115.43	139.92	148.41
63	20		Pressing side	31.17	31.17	62.34	93.51	124.68	155.85	187.02	218.19	249.36	280.53
			Pulling side	28.03	28.03	56.06	84.09	112.12	140.15	168.18	196.21	224.24	252.27
80	25		Pressing side	50.26	50.26	100.52	150.78	201.04	251.30	301.56	351.82	402.08	452.34
			Pulling side	45.36	45.36	90.72	136.08	181.44	226.80	272.16	317.82	362.88	408.24
100	25		Pressing side	78.53	78.53	157.06	235.59	314.12	392.65	471.18	549.71	628.24	706.77
			Pulling side	71.47	71.47	142.94	214.41	282.88	357.35	428.82	500.29	571.76	643.23
125	32		Pressing side	122.72	122.72	245.44	368.16	490.88	613.60	736.32	859.04	981.76	104.48
			Pulling side	114.68	114.68	229.36	344.04	458.72	577.40	696.08	814.76	933.44	1052.12
160	40	Pressing side	201.06	201.06	402.12	603.18	804.24	1005.30	1206.36	1407.42	1608.48	1809.54	
		Pulling side	188.49	188.49	376.98	565.47	753.96	942.45	1130.94	1319.43	1507.92	1696.41	
200	40	Pressing side	314.16	314.16	628.32	942.48	1256.64	1570.80	1884.96	2199.12	2513.28	2827.44	
		Pulling side	301.57	301.57	603.14	904.71	1206.28	1507.85	1809.42	2110.99	2412.56	2714.13	
250	50	Pressing side	490.87	490.87	981.74	1472.61	1963.48	2454.35	2945.22	3436.09	3926.96	4417.83	
		Pulling side	471.24	471.24	942.48	1413.75	1884.96	2356.20	2827.44	3298.68	3769.92	4241.16	
320	60	Pressing side	804.25	804.25	1608.50	2412.75	3217.00	4021.25	4825.50	5629.75	6434.00	7238.25	
		Pulling side	775.98	775.98	1551.96	2327.94	3103.92	3879.90	4655.88	5431.86	6207.84	6983.82	