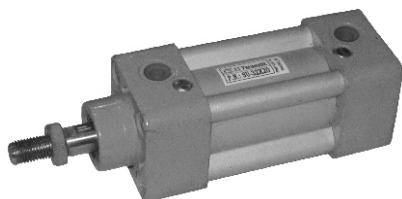


SC/SU Series Standard Double Acting Cylinder

SU Cylinder



SC Cylinder



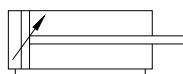
Ordering Code

SC - D - 32 X 50 - S - 25

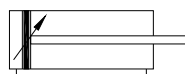
- SC** - Tie Rod Cylinder
- SU** - Profile Cylinder
- Blank** - Basic Cylinder
- D** - Thru Rod Cylinder
- J** - Thru Rod Cylinder with Adjustable Stroke
- 32** - Cylinder Bore Diameter (mm)
- 50** - Stroke Length (mm)
- Blank** - Non-magnetic Piston
- S** - Magnetic Piston
- 25** - Stroke Adjustment Length (mm)

SC/SU Pneumatic Cylinder head, piston and barrel made of aluminum alloy; piston rod made of chromed plated high carbon steel; seals are made of NBR for standard working temperature, for higher working temperature seals are made of viton or teflon.

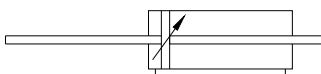
With Adjustable Cushioning



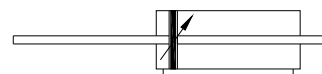
With Adjustable Cushioning & Magnet



Thru Rod with Adjustable Cushioning



Thru Rod with Adjustable Cushioning & Magnet

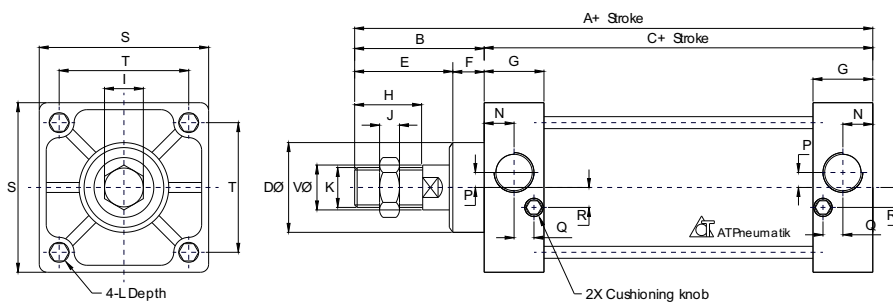


SC / SU Pneumatic Cylinder Specification										
Bore Diameter (mm)	32	40	50	63	80	100	125	160	200	
Type	Double Acting									
Working Medium	Air									
Working Pressure	10 kg/cm ²									
Test Pressure	13 Kg/cm ²									
Working Temperature	0 - 70 °C									
Working Speed Range	50~800 mm/sec									
Cushioning	Adjustable									
Cushioning Adjustment	20			26				45		
Port Size	G1/8"		G1/4"		G3/8"		G1/2"		G3/4"	

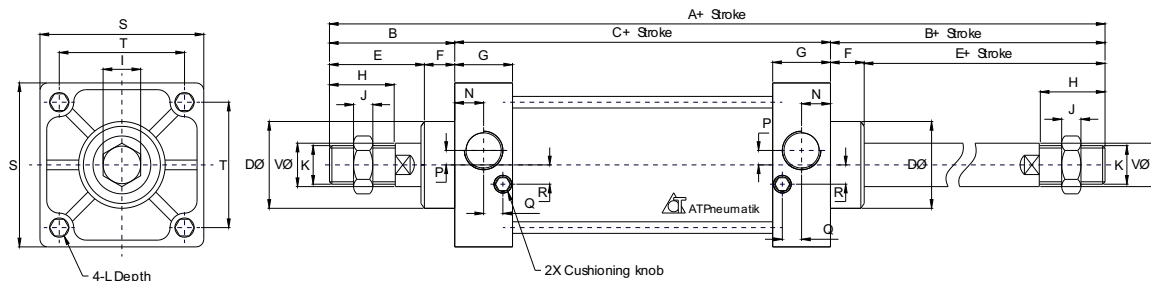
Theoretical Force Table Nm																			
Bore Dia. (mm)		32		40		50		63		80		100		125		160		200	
Piston Rod Dia.		12		16		20		20		25		25		32		40		40	
Cylinder Type		Double Acting		Double Acting		Double Acting		Double Acting		Double Acting		Double Acting		Double Acting		Double Acting		Double Acting	
		Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side
Air Pressure Kg/cm ²	1	8.0	6.9	12.6	10.6	19.6	16.5	31.2	28.0	50.3	45.4	78.5	73.6	122.7	114.6	201.0	188.4	314.2	301.4
	2	16.1	13.8	25.1	21.1	39.3	33.0	62.3	56.1	100.5	90.7	157.1	147.2	245.4	229.2	402.0	376.8	628.4	602.8
	3	24.1	20.7	37.7	31.7	58.9	49.5	93.5	84.1	150.8	136.1	235.6	220.9	368.1	343.8	603.0	565.2	942.6	904.2
	4	32.2	27.6	50.2	42.2	78.5	66.0	124.7	112.1	201.0	181.4	314.1	294.5	490.8	458.4	804.0	753.6	1,256.8	1,205.6
	5	40.2	34.5	62.8	52.8	98.2	82.5	155.9	140.2	251.3	226.8	392.7	368.1	613.5	573.0	1,005.0	942.0	1,571.0	1,507.0
	6	48.2	41.4	75.4	63.3	117.8	98.9	187.0	168.2	301.6	272.2	471.2	441.7	736.2	687.6	1,206.0	1,130.4	1,885.2	1,808.4
	7	56.3	48.3	87.9	73.9	137.4	115.4	218.2	196.2	351.8	317.5	549.7	515.3	858.9	802.2	1,407.0	1,318.8	2,199.4	2,109.8
	8	64.3	55.2	100.5	84.4	157.4	131.9	249.4	224.2	402.1	362.9	628.2	589.0	981.6	916.8	1,608.0	1,507.2	2,513.6	2,411.2
	9	72.4	62.1	113.0	95.0	176.7	148.4	280.5	252.3	452.3	408.2	706.8	662.6	1,104.3	1,031.4	1,809.0	1,695.6	2,827.8	2,712.6

SC/SU Series Standard Double Acting Cylinder

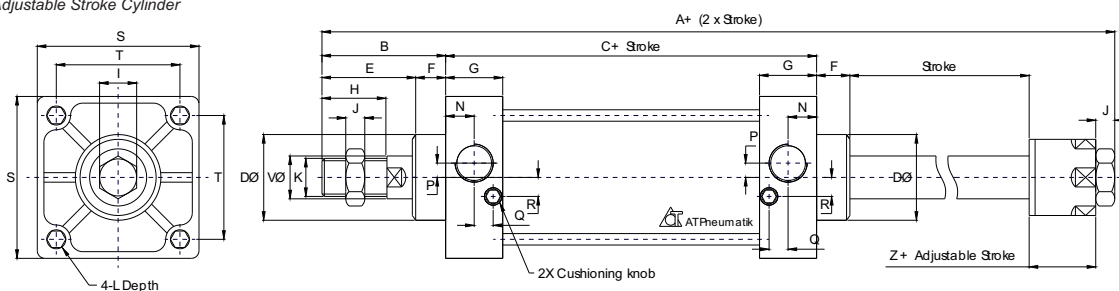
SC / SU Double Acting Cylinder



SCD / SUD Thru Rod Cylinder



SCJ / SUJ Adjustable Stroke Cylinder



SC / SU Pneumatic Cylinder Dimension (mm)													
Bore Diameter	A	A1	A2	B	C	D	E	F	G	H	I	J	K
32	140	187	182	47	93	28	32	15	27.5	22	17	6	M10 X 1.25
40	142	191	185	48	93	32	34	15	27.5	24	17	7	M12 X 1.25
50	150	207	196	57	93	38	42	15	27.5	32	23	8	M16 X 1.5
63	153	210	199	57	96	38	42	15	27.5	32	23	8	M16 X 1.5
80	183	258	243	75	108	47	54	21	33.0	40	26	10	M20 X1.5
100	189	264	249	75	114	47	54	21	33.0	40	26	10	M20 X1.5
125	226	-	-	104	122	55	70	34	33.0	54	40	10	M27 X 2
160	291	-	-	123	168	62	91	32	50.0	72	55	18	M36 X 2
200	347	-	-	167	180	80	112	55	50.0	72	55	18	M36 X 2

SC / SU Pneumatic Cylinder Dimension (mm)												
Bore Diameter	M	N	O	P	Q	R	S	T	V	W	Z	L
32	9.5	13.5	G 1/8"	3.5	7.5	7.0	45	33	12	12	21	M06 X 1.0
40	9.5	1.5	G 1/4"	6.0	8.2	9.0	50	37	16	14	21	M06 X 1.0
50	9.5	13.5	G 1/4"	8.5	8.2	9.0	62	47	20	17	23	M06 X 1.0
63	9.5	13.5	G 3/8"	7.0	8.2	8.5	75	56	20	17	23	M08 X 1.25
80	11.5	16.5	G 3/8"	10.0	9.5	14.0	94	70	25	22	29	M10 X 1.5
100	11.5	16.5	G 1/2"	11.0	9.5	14.0	112	84	25	22	29	M10 X 1.5
125	15.5	16.5	G 1/2"	-	-	-	14	110	32	27	-	M12 X 1.75
160	17.5	25	G 1/2"	-	-	-	180	140	40	36	-	M16 X 2.0
200	17.5	25	G 3/4"	-	-	-	220	175	40	36	-	M16 X 2.0

Dimensions are in mm