

ISO-15552 SQ Series Standard Cylinder

SQ Profile Cylinder



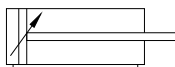
Ordering Code

SQ - D - S - 32 X 50 - 25

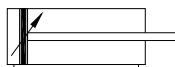
- SQ** - ISO-15552 Standard Cylinder
- Blank** - Basic Cylinder
- D** - Thru Rod Cylinder
- J** - Thru Rod Cylinder with Adjustable Stroke
- Blank** - Non-magnetic Piston
- S** - Magnetic Piston
- 32** - Cylinder Bore Diameter (mm)
- 50** - Stroke Length (mm)
- 25** - Adjustable Stroke Length (mm)

SQ 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.

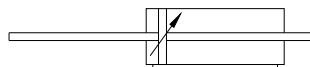
With Cushioning



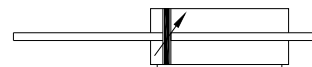
W/ Cushioning & Magnet



Thru Rod w/ Cushioning



Thru Rod w/ Cushioning & Magnet



ISO-15552 SQ Series Double Acting Cylinder Specification

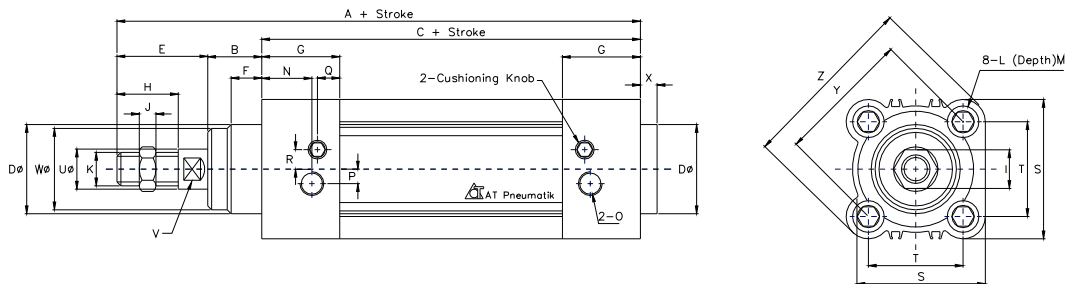
Bore Diameter (mm)	32	40	50	63	80	100	125
Action	Double Acting						
Working Medium	Air						
Working Pressure	10 kg/cm ²						
Test Pressure	13 Kg/cm ²						
Working Temperature	0 - 70 °C						
Working Speed Range	50~800 mm/sec						
Cushioning	Adjustable						
Cushioning Adjustment (mm)	20			26			
Port Size	G 1/8"	G 1/4"		G 3/8"		G 1/2"	

Theoretical Force Table Nm

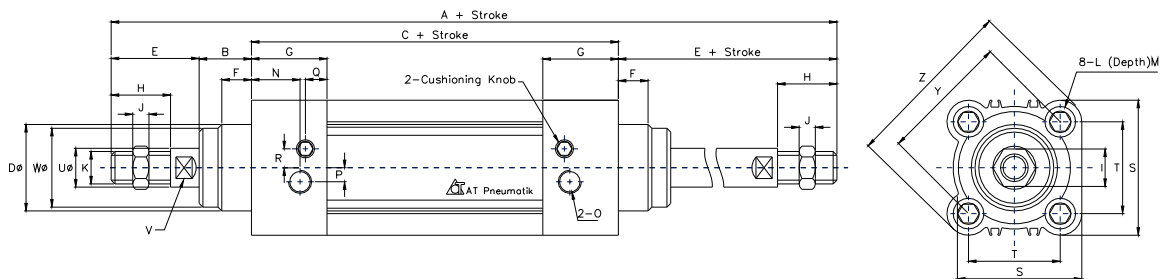
Bore Dia. (mm)		32	40	50	63	80	100	125							
Piston Rod Diameter		12	16	20	20	25	25	32							
Motion Pattern		Double Acting		Double Acting		Double Acting		Double Acting		Double Acting		Double Acting			
		Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side	Push Side	Pull Side		
Air Pressure Kg/cm ²	1	8	6.9	12.6	10.6	19.6	16.5	31.2	28	50.3	45.4	78.5	73.6	122.7	114.6
	2	16.1	13.8	25.1	21.1	39.3	33	62.3	56.1	100.5	90.7	157.1	147.2	245.4	229.2
	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
	4	32.2	27.6	50.2	42.2	78.5	66	124.7	112.1	201	181.4	314.1	294.5	490.8	458.4
	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
	6	48.2	41.4	75.4	63.3	117.8	98.9	187	168.2	301.6	272.2	471.2	441.7	736.2	687.6
	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
	8	64.3	55.2	100.5	84.4	157.4	131.9	249.4	224.2	402.1	362.9	628.2	589	981.6	916.8
	9	72.4	62.1	113	95	176.7	148.4	280.5	252.3	452.3	408.2	706.8	662.6	1,104.3	1,031.4

ISO-15552 SQ Series Profile Double Acting Cylinder

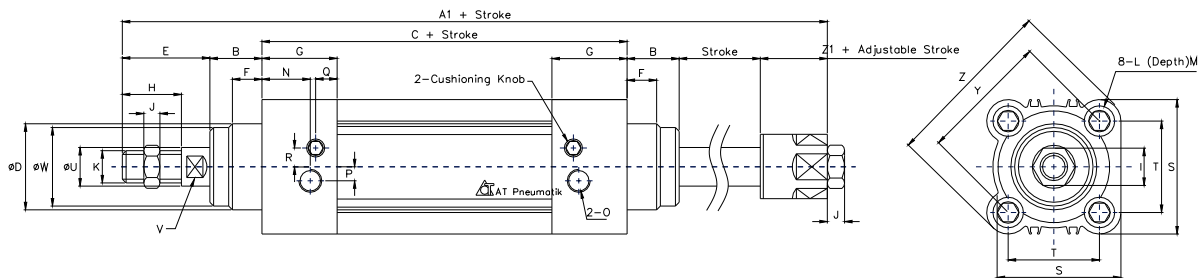
SQ 32-125 Double Acting Cylinder



SQ 32-125 Thru Rod Cylinder



SQ 32-125 Adjustable Thru Rod Cylinder



ISO-15552 SQ Profile Cylinder Dimension														
Bore Diameter	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	142	190	185	16	94	30	32	10	25	22	17	6	M10 X 1.25	M06
40	159	213	207	20	105	35	34	10	29.5	24	17	7	M12 X 1.25	M06
50	175	244	233	27	106	40	42	10	32	32	23	8	M16 X 1.5	M08
63	190	258	247	26	122	45	42	10	36	32	23	8	M16 X 1.5	M08
80	214	301	288	35	127	45	52	10	37	40	26	10	M20 X 1.5	M10
100	229	321	308	40	137	55	52	10	39	40	26	10	M20 X 1.5	M10
125	277	394	-	46	160	60	71	13	44	54	40	10	M27X2.0	M12

ISO-15552 SQ Profile Cylinder Dimension															
Bore Diameter	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Z1
32	12	15	G 1/8"	5	3	6.5	45	32.5	12	10	28	4	46	58.7	21
40	12	17.5	G 1/4"	7	3	7	52	38	16	13	33	4	53.7	68	21
50	12	21	G 1/4"	7	3	9	65	46.5	20	17	38	4	65.8	84.5	23
63	12	23	G 3/8"	8	5	9	76	56.5	20	17	40	4	79.9	99.6	23
80	15	24	G 3/8"	10	5	12	94	72	25	22	43	5	101.8	123.8	29
100	15	26	G 1/2"	10	5	14	112	89	25	22	47	6	125.9	148.9	29
125	20	29	G 1/2"	10	5	14	134	110	32	27	53	7	156.9	179.6	-

Dimensions are in mm