

AIRWIN®

P N E U M A T I C

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AP44 Series Standard Cylinder



AP44

Ordering Code

AP44

Series Code
AP44 : Standard double Action
(Tie-rod Type)

50

Cylinder Bore
Ø 32
Ø 40
Ø 50 Ø 125
Ø 63 Ø 160
Ø 80 Ø 200
Ø 100 Ø 250

100

Stroke

M

Magnet Code
Blank : Without Magnet
M : With Magnet



Fixed Type
Blank : Normal type
S2 : Double ended Piston Rod
ET : Extended Piston Rod Thread
EP : Extended Piston Rod
F : Female Thread
R3 : High Corrosion Protection
T1 : Heat Resistance Seals Max. -120°C

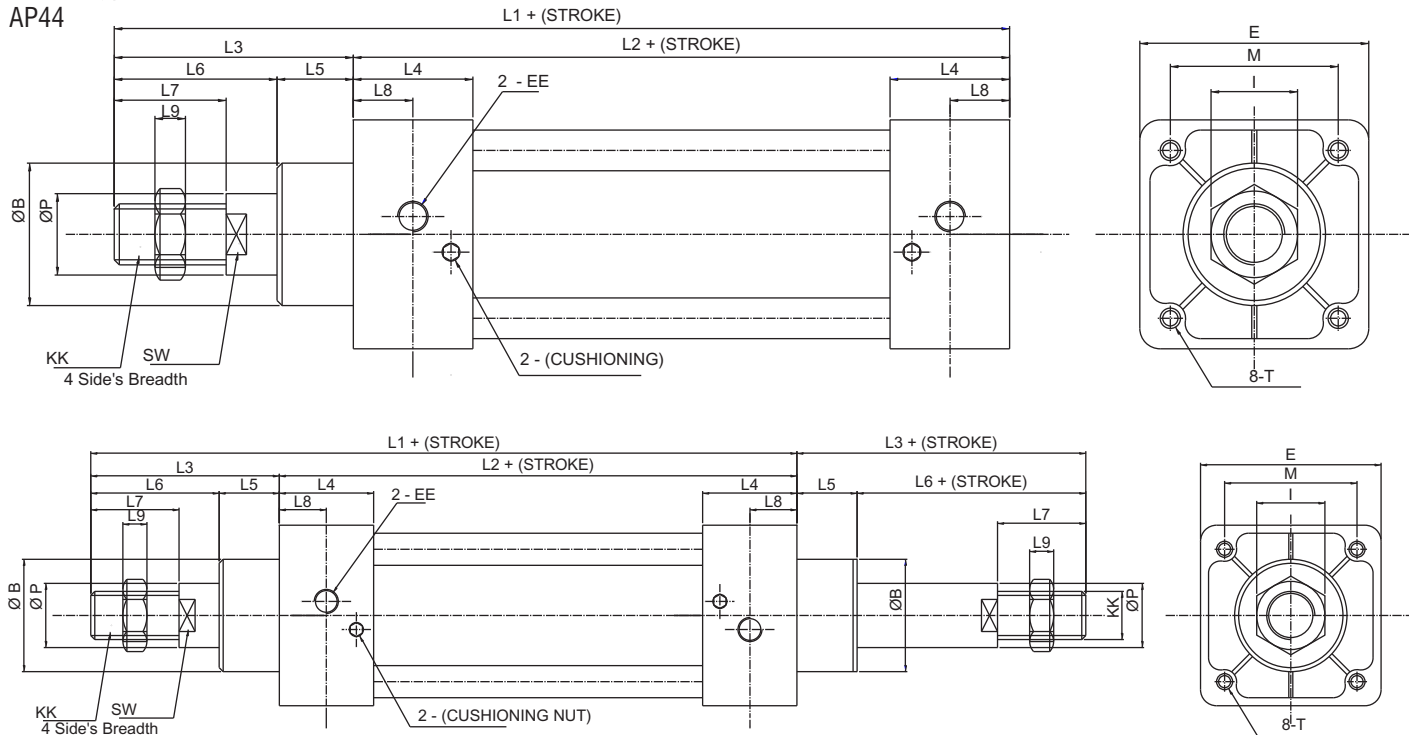
Specification

Bore(mm)	32	40	50	63	80	100	125	160	200
Motion Pattern	Double Action								
Working Medium	Air								
Operating Pressure Range	0.1-0.9kgf/cm ²								
Ensured Pressure Range	1.35Mpa								
Operating Speed Range	-5°C to +70°C								
Operating Speed Range	300-800mm/s								
Cushioning	Pneumatic Cushioning								
Port Size	G1/8"	G1/4"	G3/8"		G1/2"		G3/4"		
Stroke Range	10 - 2000 Above 800 stock guide must be used for better performance								

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Overall Dimensions

Normal Type
AP44



Dimension Sheet

Bore/Symbol	KK	EE	T	E	M	P	SW
32	M10 X 1.25	G1/8"	M6	45	33	12	10
40	M12 X 1.25	G1/4"	M6	50	37	16	14
50	M16 X 1.5	G1/4"	M8	62	47	20	17
63	M16 X 1.5	G3/8"	M8	75	56	20	17
80	M20 X 1.5	G3/8"	M10	94	70	25	22
100	M20 X 1.5	G1/2"	M10	112	84	25	22
125	M27 X 2	G1/2"	M12	140	110	32	28
160	M36 X 2	G3/4"	M16	180	140	40	36
200	M36 X 2	G3/4"	M16	220	175	40	36

Bore/Symbol	L1	L2	L3	L4	L5	L6	L7	L8	L9	I	B
32	140	93	47	27.5	15	32	22	13.7	6	17	25.5
40	141.5	93	48.5	27.5	15	33.5	24	13.5	7	17	30
50	150	93	57	27.5	15	42	32	13.5	8	23	36
63	153	96	57	27.5	15	42	32	13.5	8	23	36
80	183	108	75	33	21	54	40	16.5	10	26	47
100	183	108	75	33	21	54	40	16.5	10	26	47
125	239	136	103	40	32	71	54	20	10	36	56
160	289	166	123	50	30	93	72	25	16	50	65
200	337	180	157	50	57	100	72	25	16	50	75



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