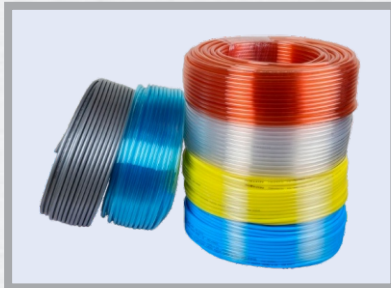


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AP33

Ordering Code

AP

Series Code

AP : Standard
Double Action Type

33

Tube Type

33 : ISO Tierod Type

50

Cylinder Bore

Ø 32
 Ø 40
 Ø 50
 Ø 63
 Ø 80
 Ø 100
 Ø 125

100

Stroke

Magnet Code

Blank: Without Magnet
M : With Magnet



Fixed Type

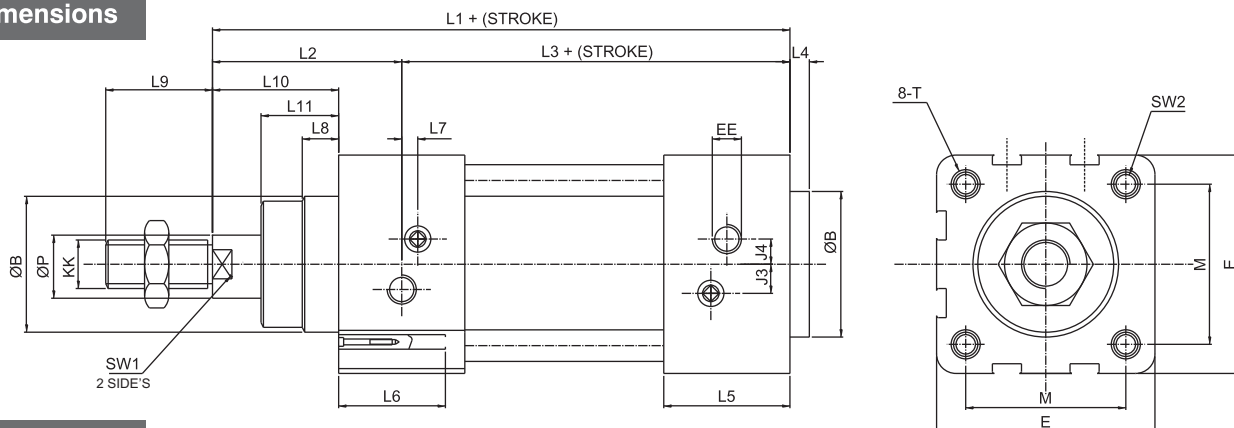
Blank : Normal type
S2 : Double ended Piston Rod
ET : Extended Piston Rod Thread
EP : Extended Piston Rod
F : Female Thread
R3 : High Corrosion Protection
T1 : Heat Resistance Seals Max.-120°C

Specifcation

Bore(mm)	32	40	50	63	80	100	125
Motion Patten	Double Action						
Working Medium	Filtered Air						
Compression Pressure	1.5MPa						
Max. Operating Pressure	1.0MPa						
Min. Operating Pressure	0.2MPa						
Cushioning	Pneumatic cushioning						
Condition Temperature	-5℃ to 70℃						
Operating Speed	50-800mm/s						
Port Size	G1/8"	G1/4"		G3/8"		G1/2"	
Stroke Range	10mm - 2200mm (Above 700mm stroke, guide must be used for better performance)						

Overall Dimensions

Normal Type
AP33



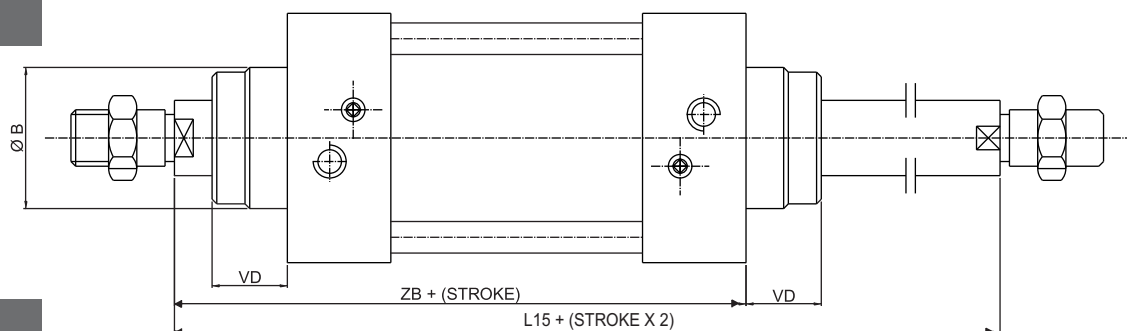
Dimension Sheet

Bore	KK	M	P	E	EE	B	T	J3	J4	SW1	SW2
32	M10 X 1.25	32.5	12	45	1/8	30	M6	6	5.2	10	6
40	M12 X 1.25	38	16	54	1/4	35	M6	8	6	13	6
50	M16 X 1.5	46.5	20	64	1/4	40	M8	10	8.5	17	8
63	M16 X 1.5	56.5	20	75	3/8	45	M8	12.4	10	17	8
80	M20 X 1.5	72	25	93	3/8	45	M10	12.5	8	22	10
100	M20 X 1.5	89	25	110	1/2	55	M10	11.8	10	22	10
125	M27 X 2	110	32	134	1/2	60	M12	13	8	28	12

Bore	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
32	120	40	80	4	26	16	3.3	8	22	26	16
40	135	46	89	4	29.6	16	3.6	10	24	30	20
50	144	54	90	4	30	16	5.1	10	32	37	27
63	158	57	101	4	35.5	16	6.6	10	32	37	27
80	174	65	109	4	36	16	10.5	10	40	46	34.5
100	189	71	118	4	39	16	8	12.5	40	51	38
125	223	95	128	6	44.7	20	14	12.5	54	65	46

Overall Dimensions

Double Piston Rod Type
AP33 – S2

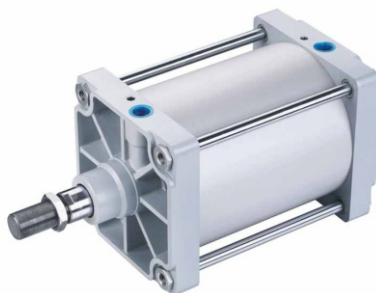


Dimension Sheet

Bore	32	40	50	63	80	100	125
B	30	35	40	45	45	55	60
L15	146	165	181	194	220	240	298
VD	16	20	27	27	34.7	38.2	46
ZB	120	135	144	158	174	189	223

AP 33 - Series ISO15552 Standard Cylinder

11



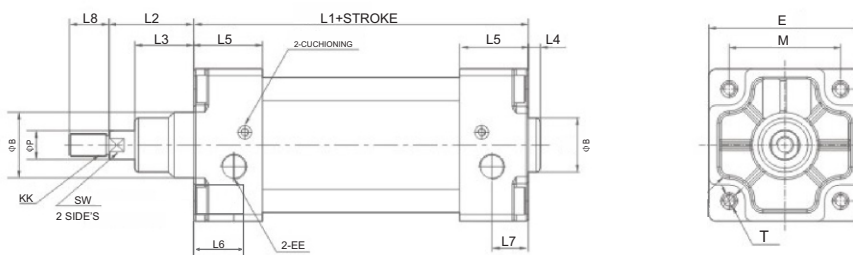
Ordering Code

AP33	160	—	100	M	—	
Series Code	Cylinder Bore		Stroke	Magnet Code		Fixed Type
AP33 : ISO Tierod 15552	160 200 250		10-2000mm	M : With Magnet Blank : Without Magnet		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)	160	200	250
Motion Pattern	Double Action		
Working Medium	Filtered Air		
Working Pressure Range	0.1 ~1.0MPa		
Ensured Pressure Resistance	1.5MPa		
Operating Temperature Range	-5~-70 C		
Operating Speed Range	50~500MM/S		
Buffer Type	Adjustable Buffer		
Port Size	G 3/4"	G 3/4"	G1"
Lubrication	Not required (Use Turbine oil ISO Vg32 when necessary)		

Overall Dimensions



Dimension Sheet

Bore/Symbol	L1	L2	L3	L4	L5	L6	L7	L8	KK	M	E	P	EE	B	T	SW
160	180	80	60	6	50	24	25	72	M36 x 2	140	180	40	G3/4"	Φ 65	M16x2	36
200	180	95	70	6	50	24	25	72	M36 x 2	175	220	40	G3/4"	Φ 75	M16x2	36
250	200	105	67	10	52	28	31	84	M42 x 2	220	270	50	G1"	Φ 90	M20X2.5	46