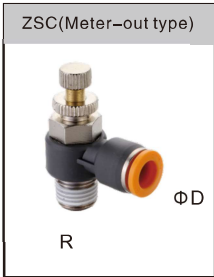


## Speed Controller



MODEL[ΦD1-ΦD2]		D (metric)	D (inch)	d	A	B		E	Main Dimension
Tube(Metric)	Tube(Inch)					min	max		
ZSA 04	ZSA 5/32	4	5/32	3.2	14	28	31	39.5	
ZSA 06	ZSA 1/4	6	1/4	4.3	20	40.7	47.5	47.1	
ZSA 08	ZSA 5/16	8	5/16	4.3	22	44.1	51.8	52	
ZSA 10	ZSA 3/8	10	3/8	4.3	26	47.7	55.3	62.3	
ZSA 12	ZSA 1/2	12	1/2	4.3	32	52	58	73.6	



Meter-out type						
Tube(Metric)-Thread(PT)		Tube(Inch)-Thread(PT)		Tube(Metric)-Thread(G)		Tube(Inch)-Thread(NPT)
ZSC 04-M5	ZSC 08-03P	ZSC 1/4-M5	ZSC 04-01G	ZSC 08-04G	ZSC 5/32-M5	ZSC 5/16-01T
ZSC 04-01P	ZSC 08-04P	ZSC 1/4-01P	ZSC 04-02G	ZSC 10-01G	ZSC 5/32-01T	ZSC 5/16-02T
ZSC 04-02P	ZSC 10-01P	ZSC 1/4-02P	ZSC 06-01G	ZSC 10-02G	ZSC 3/16-M5	ZSC 5/16-03T
ZSC 06-M5	ZSC 10-02P	ZSC 5/16-01P	ZSC 06-02G	ZSC 10-03G	ZSC 3/16-01T	ZSC 5/16-04T
ZSC 06-01P	ZSC 10-03P	ZSC 5/16-02P	ZSC 06-03G	ZSC 10-04G	ZSC 3/16-02T	ZSC 3/8-02T
ZSC 06-02P	ZSC 10-04P	ZSC 5/16-03P	ZSC 06-04G	ZSC 12-02G	ZSC 3/16-03T	ZSC 3/8-03T
ZSC 06-03P	ZSC 12-02P	ZSC 3/8-02P	ZSC 08-01G	ZSC 12-03G	ZSC 1/4-M5	ZSC 3/8-04T
ZSC 06-04P	ZSC 12-03P	ZSC 3/8-03P	ZSC 08-02G	ZSC 12-04G	ZSC 1/4-01T	ZSC 1/2-03T
ZSC 08-01P	ZSC 12-04P		ZSC 08-03G		ZSC 1/4-02T	ZSC 1/2-04T
ZSC 08-02P					ZSC 1/4-03T	



Meter-in type						
Tube(Metric)-Thread(PT)		Tube(Inch)-Thread(PT)		Tube(Metric)-Thread(G)		Tube(Inch)-Thread(NPT)
ZSC 04-M5-B	ZSC 08-03P-B	ZSC 1/4-M5-B	ZSC 04-01G-B	ZSC 08-04G-B	ZSC 5/32-M5-B	ZSC 5/16-01T-B
ZSC 04-01P-B	ZSC 08-04P-B	ZSC 1/4-01P-B	ZSC 04-02G-B	ZSC 10-01G-B	ZSC 5/32-01T-B	ZSC 5/16-02T-B
ZSC 04-02P-B	ZSC 10-01P-B	ZSC 1/4-02P-B	ZSC 06-01G-B	ZSC 10-02G-B	ZSC 3/16-M5-B	ZSC 5/16-03T-B
ZSC 06-M5-B	ZSC 10-02P-B	ZSC 5/16-01P-B	ZSC 06-02G-B	ZSC 10-03G-B	ZSC 3/16-01T-B	ZSC 5/16-04T-B
ZSC 06-01P-B	ZSC 10-03P-B	ZSC 5/16-02P-B	ZSC 06-03G-B	ZSC 10-04G-B	ZSC 3/16-02T-B	ZSC 3/8-02T-B
ZSC 06-02P-B	ZSC 10-04P-B	ZSC 5/16-03P-B	ZSC 06-04G-B	ZSC 12-02G-B	ZSC 3/16-03T-B	ZSC 3/8-03T-B
ZSC 06-03P-B	ZSC 12-02P-B	ZSC 3/8-02P-B	ZSC 08-01G-B	ZSC 12-03G-B	ZSC 1/4-M5-B	ZSC 3/8-04T-B
ZSC 06-04P-B	ZSC 12-03P-B	ZSC 3/8-03P-B	ZSC 08-02G-B	ZSC 12-04G-B	ZSC 1/4-01T-B	ZSC 1/2-03T-B
ZSC 08-01P-B	ZSC 12-04P-B		ZSC 08-03G-B		ZSC 1/4-02T-B	ZSC 1/2-04T-B
ZSC 08-02P-B					ZSC 1/4-03T-B	

## Dimension



Model	D	R	A	B	S	L		Main Dimension
						Min	Max	
ZSC04-01G	4	G1/8	5	22.3	12	37.5	44.3	
ZSC04-02G	4	G1/4	6.5	24	17	43.7	51.3	
ZSC06-01G	6	G1/8	5	22.8	12	37.5	44.3	
ZSC06-02G	6	G1/4	6.5	24.8	17	43.7	51.3	
ZSC06-03G	6	G3/8	7	26.5	20	48.4	55.3	
ZSC06-04G	6	G1/2	10	29.5	24	52.7	59.5	
ZSC08-01G	8	G1/8	5	25.1	14	37.5	44.3	
ZSC08-02G	8	G1/4	6.5	28.2	17	43.7	51.3	
ZSC08-03G	8	G3/8	7	29.1	20	48.4	55.3	
ZSC08-04G	8	G1/2	10	32.1	24	52.7	59.5	
ZSC10-02G	10	G1/4	6.5	31.7	17	43.7	51.3	
ZSC10-03G	10	G3/8	7	32.2	20	48.4	55.3	
ZSC10-04G	10	G1/2	10	35.2	24	52.7	59.5	
ZSC12-02G	12	G1/4	6.5	33.7	19	43.7	51.3	
ZSC12-03G	12	G3/8	7	35.6	20	48.4	55.3	
ZSC12-04G	12	G1/2	10	37.5	24	52.7	59.5	

Model	D(Inch)	R	A	B	S(Inch)	L		Main Dimension
						Min	Max	
ZSC5/32-01T	5/32	NPT1/8	8	22	7/16	37.5	44.3	
ZSC5/32-02T	5/32	NPT1/4	10	25	9/16	43.7	51.3	
ZSC1/4-01T	1/4	NPT1/8	8	23.8	1/2	37.5	44.3	
ZSC1/4-02T	1/4	NPT1/4	10	25.8	9/16	43.7	51.3	
ZSC1/4-03T	1/4	NPT3/8	11	27.5	11/16	48.4	55.3	
ZSC1/4-04T	1/4	NPT1/2	14	31	7/8	52.7	59.5	
ZSC5/16-01T	5/16	NPT1/8	8	26.1	9/16	37.5	44.3	
ZSC5/16-02T	5/16	NPT1/4	10	29.2	9/16	43.7	51.3	
ZSC5/16-03T	5/16	NPT3/8	11	30.1	11/16	48.4	55.3	
ZSC5/16-04T	5/16	NPT1/2	14	33.6	7/8	52.7	59.5	
ZSC3/8-02T	3/8	NPT1/4	10	32.7	11/16	43.7	51.3	
ZSC3/8-03T	3/8	NPT3/8	11	33.2	11/16	48.4	55.3	
ZSC3/8-04T	3/8	NPT1/2	14	36.7	7/8	52.7	59.5	
ZSC1/2-02T	1/2	NPT1/4	10	34.7	7/8	43.7	51.3	
ZSC1/2-03T	1/2	NPT3/8	11	36.6	7/8	48.4	55.3	
ZSC1/2-04T	1/2	NPT1/2	14	39	7/8	52.7	59.5	

Note: ZP Series: Grey body and Orange collet  
EP Series: Black body and Blue collet