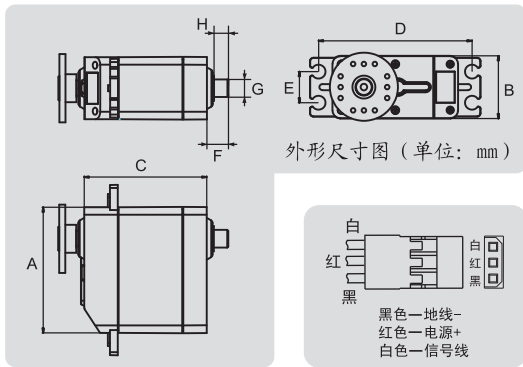


型号	尺寸 (mm)								重量	4.8V		6.0V		7.4V		结构				连接 线  cm
										速度	扭矩	速度	扭矩	速度	扭矩	齿轮		轴承	马达	
	A	B	C	D	E	F	G	H		g	sec/60 <sup>0</sup>	kg.cm	sec/60 <sup>0</sup>	kg.cm	sec/60 <sup>0</sup>	kg.cm	PG			
SR310	31.3	16.5	28.6	38.1	8.0	4.1	4.9	3.2	19.0	0.14	2.8	0.12	3.3	—	—	4	1	1	金属刷	20
SR311	31.3	16.5	28.6	38.1	8.0	4.1	4.9	3.2	26.0	0.14	3.1	0.12	3.8	—	—	0	5	2	金属刷	20
SR430	41.3	20.7	40.0	50.3	10.0	7.0	5.7	4.75	44.0	—	—	0.18	4.2	0.16	5.3	4	1	2	金属刷	30
SR431	41.3	20.7	40.0	50.3	10.0	7.0	5.7	4.75	62.0	—	—	0.2	12.2	0.16	14.5	0	5	2	碳刷	30
SR432	41.3	20.7	40.0	50.3	10.0	7.0	5.7	4.75	64.0	—	—	0.23	15.7	0.19	17.3	0	5	2	碳刷	30
SR810	60.5	30.7	60.0	69.0	16.9	9.2	10.0	6.8	123.0	0.19	15.0	0.16	18	—	—	4	1	2	碳刷	30
SR811	60.5	30.7	60.0	69.0	16.9	9.2	10.0	6.8	154.0	0.25	26.0	0.21	33	—	—	1	4	2	碳刷	30

注: MG=金属齿轮; PG=塑胶齿轮; BB=滚珠轴承

- ▲ 本系列舵机为SPRINGRC通用模型舵机的延伸型产品,在舵机下盖增加了机器人专用的辅助轴结构,控制电路采用专用的MCU电路。
- ▲ 本系列舵机为PWM(模拟)信号控制,控制信号脉冲范围为:0.5ms~2.5ms。
- ▲ 舵机转动范围为0°~180°,对应脉冲宽度为:0.5ms~2.5ms。由0°向180°运转时为顺时针方向。
- ▲ 使用时,请选择合适规格匹配于被控体。扭矩规格不可过载使用,并要有足够的保险余量,否则很可能会损坏机构和电子器件。
- ▲ 请保持舵机使用环境之清洁,避免灰尘、腐蚀性气体和潮湿空气的浸蚀污染。
- ▲ 本公司保留为改善产品品质和性能而进行的局部修改,由此可能发生部分参数变化,恕不另行通知。



深圳市春天模型电子有限公司

中国制造

XBBSR0000319 V3.0

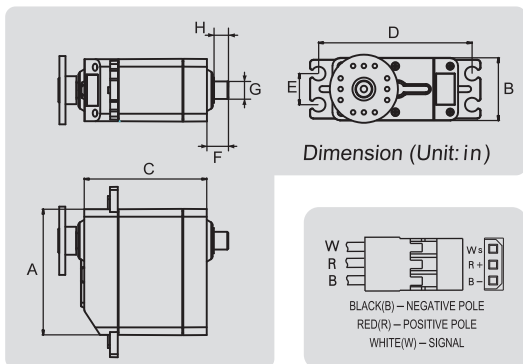


## SR31/43/81 Robot Series Servo Specification

Thank you for using our product

Model	Size (in)								Weight	4.8V		6.0V		7.4V		Structure				Wire
										Speed	Torque	Speed	Torque	Speed	Torque	Gear		Bear- ing	Motor	
	A	B	C	D	E	F	G	H		oz	sec/60 <sup>0</sup>	oz.in	sec/60 <sup>0</sup>	oz.in	sec/60 <sup>0</sup>	oz.in	PG			
SR310	1.23	0.65	1.13	1.50	0.31	4.1	4.9	3.2	0.70	0.14	38.90	0.12	45.91	—	—	4	1	1	Metal brush	7.8
SR311	1.23	0.65	1.13	1.50	0.31	4.1	4.9	3.2	0.95	0.14	43.07	0.12	52.86	—	—	0	5	2	Metal brush	7.8
SR430	1.63	0.81	1.57	1.98	0.39	7.0	5.7	4.75	1.62	—	—	0.18	58.43	0.16	73.73	4	1	2	Metal brush	11.8
SR431	1.63	0.81	1.57	1.98	0.39	7.0	5.7	4.75	2.18	—	—	0.2	169.72	0.16	201.72	0	5	2	Carbon brush	11.8
SR432	1.63	0.81	1.57	1.98	0.39	7.0	5.7	4.75	2.26	—	—	0.23	218.41	0.19	240.67	0	5	2	Carbon brush	11.8
SR810	2.38	1.21	2.36	2.72	0.67	9.2	10.0	6.8	4.41	0.19	208.68	0.16	250.41	—	—	4	1	2	Carbon brush	11.8
SR811	2.38	1.21	2.36	2.72	0.67	9.2	10.0	6.8	5.79	0.25	361.70	0.21	459.09	—	—	1	4	2	Carbon brush	11.8

Note: MG=metal gear; PG=plastic gear; BB=ball bearing



- ▲ This series of servos are the extension types of generalized model product of SPRINGRC, In lowercover of servo, it is added the accessory shaft for Robot servo, and adopts exclusive MCU circuit control.
- ▲ Servos are controlled by PWM (analog), the range of signal impulse is 0.5ms~2.5ms.
- ▲ Rotation range : 0°~180°, PWM width: 0.5ms~2.5ms, rotation from 0° to 180°
- ▲ Please choose the correct model for you application. Caution: mechanism and electronic device will be damaged by overload torque and inadequate safety factor.
- ▲ Please keep the servo environment clean and away from dust, aggressive gas and humid air.
- ▲ Without further notification when some parameters slightly amend for improving quality and performance.

