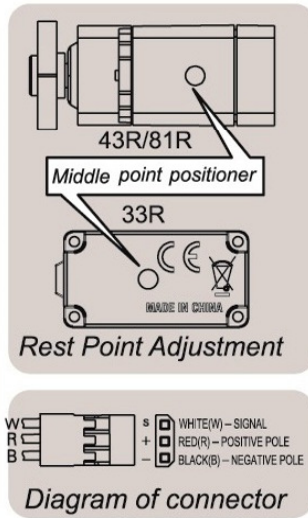
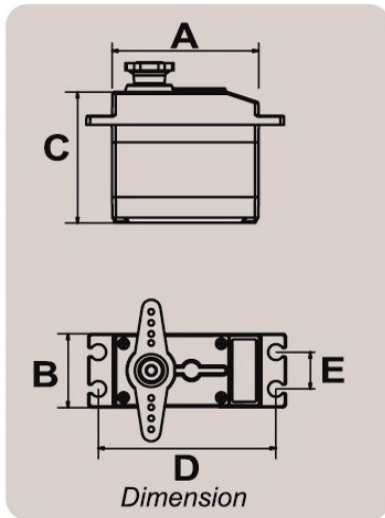


SM 33R/43R/81R Robot Servo Specification

Thank you for using our product

MODEL	SIZE(mm)					WEIGHT		4.8V			6V			STRUCTURE			
								SPEED	TORQUE		SPEED	TORQUE					
	A	B	C	D	E	g	oz	r-p-m	kg-cm	oz-in	r-p-m	kg-cm	oz-in	gear	bearing	motor	wire(cm)
SM-S3317MR	31.3	16.5	28.6	38.1	8	26	0.92	58	1.9	26.43	78	2.2	30.61	MG×5	BB×2	metal brush motor	20
SM-S3317SR	31.3	16.5	28.6	38.1	8	19	0.67	68	1.4	19.48	86	1.7	23.65	PG×4 MG×1	BB×2	metal brush motor	20
SM-S4303R	41.3	20.7	40	50.3	10	41	1.45	43	3.3	45.91	54	5.1	70.95	PG×4 MG×1	BB×2	metal brush motor	30
SM-S4306R	41.3	20.7	40	50.3	10	41	1.45	43	5	69.56	55	6.2	86.25	PG×4 MG×1	BB×2	metal brush motor	30
SM-S4309R	41.3	20.7	40	50.3	10	56	1.98	43	7.7	107.12	57	8.7	121.03	MG×5	BB×2	metal brush motor	30
SM-S4315R	41.3	20.7	40	50.3	10	60	2.12	43	11.4	158.59	56	13.4	186.42	MG×5	BB×2	carbon brush	30
SM-S8166R	60.5	30.7	60	69	16.9	160	5.65	37	26.8	372.83	47	33	459.09	PG×1 MG×4	BB×2	carbon brush	30
SM-S8168R	60.5	30.7	60	69	16.9	125	4.42	54	15	208.68	67	18	250.41	PG×4 MG×1	BB×2	carbon brush	30

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



- ▲ SM 33R/43R/81R Robot series servo controled via analog signal(PWM),could achieve 360° two-way continuous rotation,stopped via middle poit positiner.
- ▲ Standard interface(like JR).
- ▲ Rotation and rest point adjustment:when analog signal(PWM) inputs,servo chooses orientation according to impulse width.when intermediatevalue of impluse width is above 1.5ms, servo is clockwise rotation,conversely,anticlockwise. rest point need use slotted screwdriver to adjust the positioner carefully. servo stopped rotation when the input signal is equivalent to impluse width.
- ▲ Please choose correct model for your application.
Caution: Torque over-loaded will damage the servo's mechanism.
- ▲ Keep the servo clean and away from dust, corrosive gas and humid air.
- ▲ Without further notification when some parameters slightly amend for improving quality.