

Single Axis Actuator

MOTOR ADAPTER PLATES LIST FOR SINGLE AXIS ACTUATORS

Single-Axis Actuators SX Motor Attachment / Motor List

Apply Servomotor

SX Type	Motor Attachment	Flange Size	Manufacture's	Motor model number	Wattage	Recommended Coupling
SX15	A1525	□25	Yasukawa Electric Corporation	SGMMV-A1E SGMMV-A2E	10W 20W	SMCGLC13 XBW-15C2 RCLA13C
	A1528	□28	Mitsubishi Electric Corporation	HG-AK0136 HG-AK0236	10W 20W	
SX20	A2025	□25	Yasukawa Electric Corporation	SGMMV-A1E	10W	SSCPW16
				SGMMV-A2E	20W	
				SGMMV-A3E	30W	
			Mitsubishi Electric Corporation	SGMAV-A5	50W	
				HG-AK0136	10W	
				HG-AK0236	20W	
	A2028	□28	Mitsubishi Electric Corporation	HC-AQ013	10W	SSCPW16 SCPDT19
				HC-AQ023	20W	
	A2038	□38	Panasonic	MSMD5A	50W	SCPDT19
				MSME5A	50W	
				MSMD01*	100W	
				MSME01*	100W	
A2040	□40	Yasukawa Electric Corporation	SGMJV-A5	50W	SSCPW16 SCPDT19	
			SGM7A-A5A	50W		
			SGM7A-A5A	50W		
		Mitsubishi Electric Corporation	HG-MR053	50W		
			HG-KR053	50W		
			HF-KP053	50W		
Sanyo Denki Co., Ltd.	Q1AA04003D	30W	SCPDT19			
	Q1AA04005D	30W				
E2040	□40	SIEMENS	R88M-K05030	50W	SCPDT19	
			MV-M05 SV-M005	50W		
SX26	A2625	□25	Yasukawa Electric Corporation	SGMMV-A1E	10W	SSCXW21 SSCPW21 SCPDT19
				SGMMV-A2E	20W	
				SGMMV-A3E	30W	
			Mitsubishi Electric Corporation	HG-AK0136	10W	
				HG-AK0236	20W	
				HG-AK0336	30W	
	A2628	□28	Mitsubishi Electric Corporation	HC-AQ013	10W	SSCPW16 SCPDT19
				HC-AQ023	20W	
	A2638	□38	Panasonic	MSMD5A	50W	SSCPW16 SCPDT19
				MSME5A	50W	
				MSMD01*	100W	
				MSME01*	100W	
A2640	□40	Yasukawa Electric Corporation	SGMJV-A5	50W	SSCXW21 SSCPW21 SCPDT19	
			SGM7A-A5A	50W		
			SGM7A-A5A	50W		
		Mitsubishi Electric Corporation	SGMAV-A5	50W		
			HG-MR053	50W		
			HG-KR053	50W		
Sanyo Denki Co., Ltd.	Q1AA04003D	30W	SCPDT19			
	Q1AA04005D	30W				
E2640	□40	SIEMENS	R88M-K05030	50W	SCPDT19	
			MV-M05 SV-M005	50W		
SX30	A3038	□38	Panasonic	MSMD5A	50W	SSCXW21 SSCPW21 SCPDT19
				MSME5A	50W	
				MSMD01*	100W	
			Yasukawa Electric Corporation	MSME01*	100W	
				SGMJV-A5	50W	
				SGM7A-A5A	50W	
	A3040	□40	Yasukawa Electric Corporation	SGMAV-A5	50W	SSCXW21 SSCPW21 SCPDT19
				SGM7A-A5A	50W	
				SGM7A-A5A	50W	
			Mitsubishi Electric Corporation	SGM7A-01A	100W	
				SGMJV-01	100W	
				SGMAV-01	100W	
E3040	□40	SIEMENS	HG-MR053	50W	SSCXW21 SSCPW21 SCPDT19	
			HG-KR053	50W		
			HF-KP053	100W		
		Sanyo Denki Co., Ltd.	HG-MR13	100W		
			HF-MP13	100W		
			HF-KP13	100W		
A3040	□40	SIEMENS	Q1AA04003D	30W	SSCXW21 SSCPW21 SCPDT19	
			Q1AA04005D	50W		
			Q1AA04010D	100W		
		Omron Corporation	R88M-K05030	50W		
			R88M-K10030	100W		
			MV-M05	50W		
Keyence Corporation	SV-M005	50W				
	MV-M10	100W				
	SV-M010	100W				

Apply Servomotor

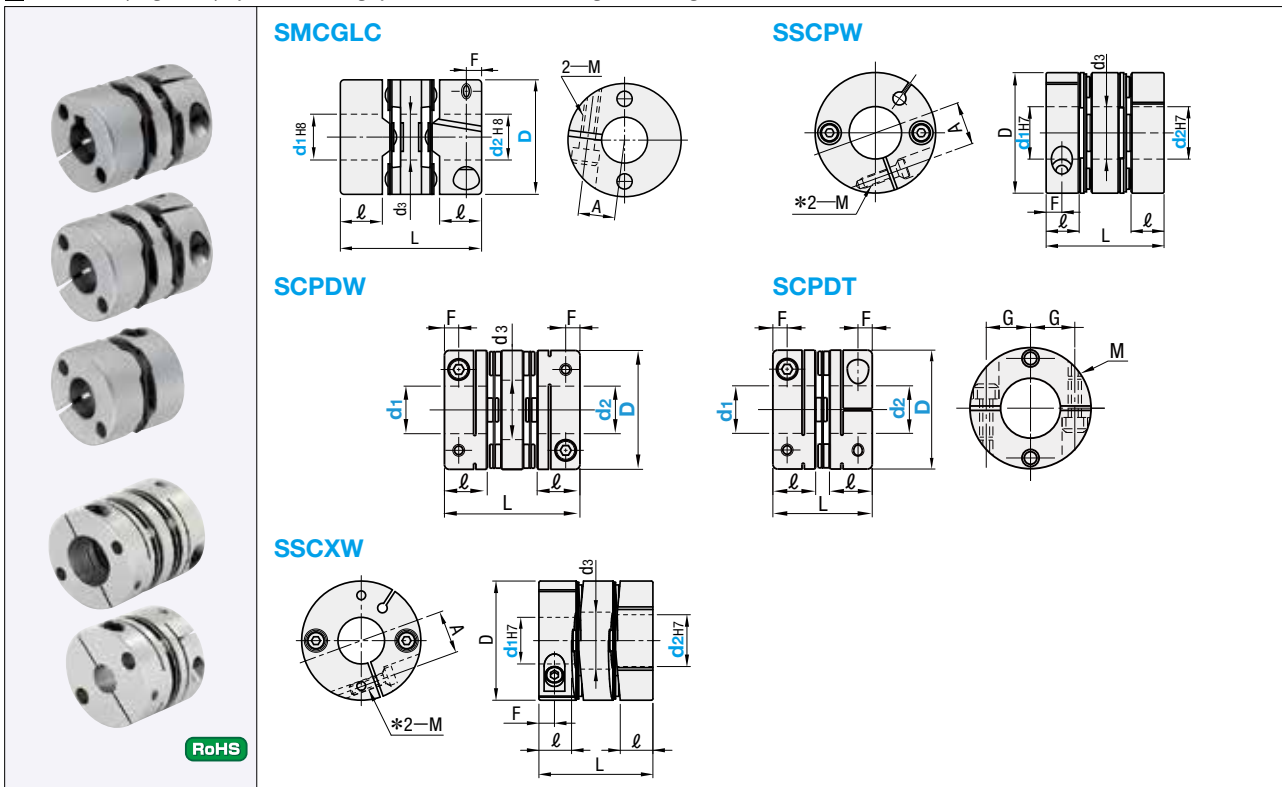
SX Type	Motor Attachment	Flange Size	Manufacture's	Motor model number	Wattage	Recommended Coupling
SX45	A4538	□38	Panasonic	MSMD5A	50W	SSCXW28 SSCPW28 SCPDT25
				MSME5A	50W	
				MSMD01*	100W	
			Yasukawa Electric Corporation	MSME01*	100W	
				SGMJV-A5	50W	
				SGM7A-A5A	50W	
	A4540	□40	Yasukawa Electric Corporation	SGMAV-A5	150W	SSCXW28 SSCPW28 SCPDT25
				SGM7A-01A	100W	
				SGMJV-01	100W	
			Mitsubishi Electric Corporation	SGMAV-01	150W	
				HG-MR053	50W	
				HF-MP053	50W	
MA4560	□60	Panasonic	HF-KP053	100W	SSCXW34 SSCPW34 SCPDT32	
			HG-MR13	100W		
			HF-MP13	100W		
		SIEMENS	HF-KP13	100W		
			Q1AA04003D	30W		
			Q1AA04005D	50W		
E4540	□40	SIEMENS	Q1AA04010D	100W	SSCXW34 SSCPW34 SCPDT32	
			R88M-K05030	50W		
			R88M-G05030	100W		
		Keyence Corporation	R88M-K10030	100W		
			MV-M05	50W		
			SV-M005	50W		
E4555	□55	SIEMENS	MV-M10	100W	SSCXW34 SSCPW34 SCPDT32	
			SV-M010	100W		
			Q1AA04005D	50W		
		Yasukawa Electric Corporation	Q1AA04003D	30W		
			SGMJV-02	200W		
			SGMJV-04	400W		
A4560	□60	Yasukawa Electric Corporation	HG-MR23	200W	SSCXW34 SSCPW34 SCPDT32	
			HG-KR23	200W		
			HG-MR43	400W		
		Mitsubishi Electric Corporation	HG-KR43	400W		
			Q1AA06020D	200W		
			Q1AA06040D	400W		
E4560	□60	SIEMENS	Q1AA06040D	400W	SSCXW34 SSCPW34 SCPDT32	
			R88M-GP10030	100W		
			MV-M20	200W		
		Keyence Corporation	SV-M020	200W		
			MV-M40	400W		
			SV-M040	400W		

Apply Steppingmotor

SX Type	Motor Attachment	Flange Size	Manufacture's	Motor model number	Type	Recommended Coupling
SX15	T1528	□28	Oriental Motor	CSK52	5-phase	SMCGLC13 XBW-15C2 RCLA13C
				ASC3 (ASM)	α Step	
			NEMA Standard	NEMA11	—	
□42	NEMA17	—				
SX20	T2028	□28	Oriental Motor	CSK22	2-phase	SSCPW16
				CSK52	5-phase	
				ASC3 (ASM)	α Step	
			NEMA Standard	PK24*/CSK24	2-phase	
				RK54	5-phase	
				RKS54*/PK54	5-phase	
SX26	T2642	□42	Oriental Motor	AS46/ASC46/AR46	α Step	SSCXW21 SSCPW21 SCPDT19
				NEMA23	—	
				NEMA23	—	
			NEMA Standard	CSK22	2-phase	
				CSK52	5-phase	
				ASC3 (ASM)	α Step	
SX30	T3042	□42	Oriental Motor	PK24*/CSK24	2-phase	SSCXW21 SSCPW21 SCPDT19
				RK54	5-phase	
				RKS54*/PK54	5-phase	
			NEMA Standard	AS46/ASC46/AR46	α Step	
				NEMA23	—	
				NEMA23	—	
SX45	T4560	□60	Oriental Motor	PK24*/CSK24	2-phase	SSCXW28 SSCPW28 SCPDT25
				RK54	5-phase	
				RKS54*/PK54	5-phase	
			NEMA Standard	AS46/ASC46/AR46	α Step	
				NEMA23	—	
				NEMA24	—	

Recommended Coupling

Feature: Couplings with polyimide descs highly tolerant on lateral and angular misalignments.



Model		d ₁ , d ₂ (d ₁ ≤ d ₂)										D	d ₃	L	l	A	F	G	Clamp Screw			
Part Number	No.	Keywayed Bore Type selectable for diameter 6 or larger																	M	Tighting Torqu (N · m)		
SMCGLC13	13	3	4	5								13	5.5	19	5.5	4.1	2.5	—	M2	0.42		
SCPDT19	19		4	5	6	7	8					19	—	20	8	—	2.5	6.5	M2	0.5		
SCPDW19	19		4	5	6	7	8					19	8.5	27	8	—	2.5	6.5	M2	0.5		
SCPDW25	25				6	6.35	8		10	11	12	25	12.5	31	10	—	3.5	9	M2.5	1		
SCPDW32	32						8		10	11	12	14	15	32	16	40	12	—	4	11	M3	1.5
SSCPW16	16	3	4	5	6							16.6	6.5	23	7.2	5.3	3	—	M2.6	1		
SSCPW21	21		4	5	6		8	9				21	9.5	24.5	7	7	3.5	—	M2.6	1.2		
SSCPW28	28			5	6		8	9	10			28	12	32.2	9	9.5	4	—	M3	1.5		
SSCPW34	34				6		8	9	10	11	12	14	34	15	35	9.8	12	5	—	M3	1.5	
SSCXW21	21		4	5	6		8					21	9.5	24.5	7	7	3.5	—	M2.6	1.2		
SSCXW28	28			5	6		8		10			28	12	32	9	9.5	4	—	M3	1.5		
SSCXW34	34				6		8		10	12	14	34	17	35	9.8	12	5	—	M3	1.5		

Part Number	Allowable Torque (N · m)	Angular Misalignment (°)	Lateral Misalignment (mm)	Static Torsional Spring Constant (N · m/rad)	Max. Rotational Speed (r/min)	Moment of Inertia (kg · m ²)	Allowable Axial Misalignment (mm)	Correction Factor	Mass (g)
SMCGLC13	0.25	3.5	0.3	44	12000	8.0 × 10 ⁻⁸	±0.2	—	5
SCPDT19	0.7	0.7	—	280	33000	6.3 × 10 ⁻⁷	±0.2	1	9
SCPDW19	0.7	1.5	0.12	200	33000	8.7 × 10 ⁻⁷	±0.5	1	18
SCPDW25	1	1.5	0.12	450	25000	2.7 × 10 ⁻⁶	±0.5	1	25
SCPDW32	2.5	1.5	0.15	1100	19000	9.6 × 10 ⁻⁶	±0.5	1	60
SSCPW16	1	1	0.1	500	10000	4.22 × 10 ⁻⁷	±0.2	1.5	11
SSCPW21	1.2	1	0.1	800	10000	1.11 × 10 ⁻⁶	±0.2	1.5	17
SSCPW28	1.6	1.2	0.15	3000	10000	4.68 × 10 ⁻⁶	±0.2	1.5	42
SSCPW34	4	1.5	0.2	4800	10000	1.10 × 10 ⁻⁵	±0.2	1.5	65
SSCXW21	1.2	1	0.1	900	10000	1.20 × 10 ⁻⁶	±0.2	1.5	18
SSCXW28	1.6	1.2	0.15	3600	10000	4.68 × 10 ⁻⁶	±0.2	1.5	42
SSCXW34	4	1.5	0.2	5700	10000	1.10 × 10 ⁻⁵	±0.2	1.5	65



Ordering Example: Part Number — Shaft Bore Dia. d₁ — Shaft Bore Dia. d₂
SMCGLC13 — 5 — 5