

Single Axis Actuator

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	YASKAWA Electric Corporation	SGMMV-A1E	10W	SMCGLC13 XBW-15C2 RCLA13C	
				SGMMV-A2E	20W		
SX20	A2025	□25	YASKAWA Electric Corporation	SGMMV-A1E	10W	SSCPW16	
				SGMMV-A2E	20W		
				SGMMV-A3E	30W		
				SGMAV-A5A	50W		
				Mitsubishi Electric Corporation	HG-AK0136		10W
				HG-AK0236	20W		
	A2038	□38	Panasonic	MSMD5A	50W	SCPDT19	
				MSME5A	50W		
				MSMD01*	100W		
	A2040	□40	YASKAWA Electric Corporation	SGMJV-A5A	50W	SSCPW16 SCPDT19	
				SGM7A-A5A	50W		
				Mitsubishi Electric Corporation	HG-MR053		50W
HG-KR053				50W			
OMRON Corporation				R88M-K05030	50W		
Keyence Corporation				SV-M005	50W		
SV2-M005A				50W			
SIEMENS				1FK7011-5	50W		
1FK7015-5				100W			
E2040				□40	SIEMENS		1FK7011-5
SX26	A2625	□25	YASKAWA Electric Corporation	SGMMV-A1E	10W	SSCXW21 SSCPW21 SCPDW19	
				SGMMV-A2E	20W		
				SGMMV-A3E	30W		
				Mitsubishi Electric Corporation	HG-AK0136		10W
				HG-AK0236	20W		
				HG-AK0336	30W		
	A2638	□38	Panasonic	MSMD5A	50W	SSCXW21 SSCPW21 SCPDW19	
				MSME5A	50W		
				MSMD01*	100W		
	A2640	□40	YASKAWA Electric Corporation	SGMJV-A5A	50W	SSCXW21 SSCPW21 SCPDW19	
				SGM7A-A5A	50W		
				SGMAV-A5A	50W		
Mitsubishi Electric Corporation				HG-MR053	50W		
HG-KR053				50W			
OMRON Corporation				R88M-K05030	50W		
E2640	□40	SIEMENS	1FK7011-5	50W	SCPDW19		
			1FK7015-5	100W			
SX30	A3038	□38	Panasonic	MSMD5A	50W	SSCXW21 SSCPW21 SCPDW19	
				MSME5A	50W		
				MSMD01*	100W		
				MSME01*	100W		
	A3040	□40	YASKAWA Electric Corporation	SGMJV-A5A	50W	SSCXW21 SSCPW21 SCPDW19	
				SGM7A-A5A	50W		
				SGMAV-A5A	50W		
				SGM7A-01A	100W		
				SGMJV-01A	100W		
				SGMAV-01A	100W		
				Mitsubishi Electric Corporation	HG-MR053		50W
				HG-MR13	100W		
HG-KR13				100W			
OMRON Corporation				R88M-K05030	50W		
R88M-K10030	100W						
E3040	□40	SIEMENS	SV-M010	100W	SCPDW25		
			1FK7011-5	50W			
			1FK7015-5	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 SCPDW25		
				MSME5A				
				MSMD01*			100W	
				MSME01*				
				SGMJV-A5A				
				SGM7A-A5A				
	SGMAV-A5A							
	SGM7A-01A							
	A4540	□40	YASKAWA Electric Corporation	SGMJV-01A	100W			
				SGMJV-01A				
				SGMAV-01A				
				SGMAV-C2A			150W	
				Mitsubishi Electric Corporation			HG-MR053	50W
				HG-KR053			50W	
	A4560	□60	Panasonic	MSMD02	200W			
				MSME02				
				MSMD04				
	MA4560	□60	SIEMENS	1FK7011-5	50W			
				1FK7015-5	100W			
				1FK7022-5	380W			
				YASKAWA Electric Corporation	SGMJV-02A		200W	
				SGMJV-04A	400W			
				Mitsubishi Electric Corporation	HG-MR23		200W	
				HG-KR23	200W			
HG-MR43				400W				
HG-KR43				400W				
OMRON Corporation				R88M-GP10030	100W			
Keyence Corporation				SV-M020	200W			
SV-M040				400W				

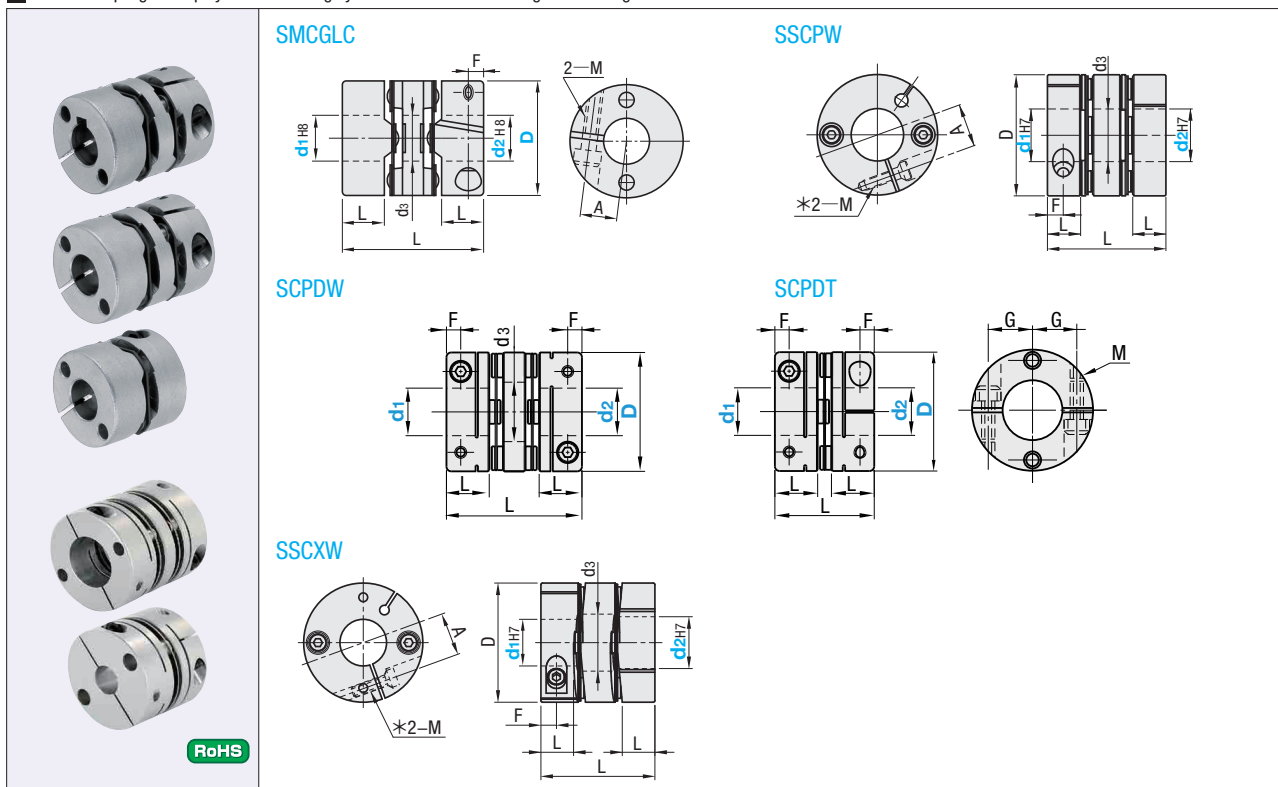
Apply Steppingmotor

SX Type	Motor Attachment	Flange Size	Manufacture's	Motor model number	Type	Recommended Coupling	
SX15	T1528	□28	Oriental Motor	PKP52	5-phase	SMCGLC13 XBW-15C2 RCLA13C	
				ARM2	α STEP		
	ST1528	□28	NEMA Standard	NEMA11	-	SMCGLC13	
	UT1542	□42		NEMA17	-		
SX20	T2028	□28	Oriental Motor	PKP22	2-phase	SSCPW16	
				PKP52	5-phase		
				ARM2	α STEP		
	T2042	□42	Oriental Motor	PK24*/PKP24	2-phase	SSCPW16	
				RKS54*	5-phase		
				PK54	5-phase		
T2056.4	□56.4	NEMA Standard	ARM46	α STEP	SCPDW19		
SX26	T2628	□28	Oriental Motor	PKP22	2-phase	SSCXW21 SSCPW21 SCPDW19	
				PKP52	5-phase		
				ARM2	α STEP		
	T2642	□42	Oriental Motor	PK24*/PKP24	2-phase	SSCXW21 SSCPW21 SCPDW19	
				RKS54*	5-phase		
				PK54	5-phase		
T2656.4	□56.4	NEMA Standard	ARM46	α STEP	SCPDW19		
SX30	T3042	□42	Oriental Motor	PK24*	2-phase	SSCXW21 SSCPW21 SCPDW19	
				RKS54*/PK54	5-phase		
	T3056.4	□56.4	Oriental Motor	ARM46	α STEP		
				PK26*	2-phase		
T3060	□60	Oriental Motor	RKS56*/PK56*	5-phase			
			ARM66	α STEP			
SX45	T4560	□60	Oriental Motor	RKS56*/PK56*	5-phase	SSCXW28 SSCPW28 SCPDW25	
				ARM66	α STEP		
	T4556.4	□56.4	NEMA Standard	NEMA23	-		SCPDW25 SCPDW32
	T4585	□85		NEMA24	-		

⚠ It does not apply to geared type motors made by Oriental Motor.

Recommended Coupling

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



Model		d1, d2 (d1 ≤ d2)										Clamp Screw									
Part Number	No.	Keywayed Bore Type selectable for diameter 6 or larger										D	d3	L	ℓ	A	F	G	M	Tightening Torque (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

