

Single Axis Actuator

Single-Axis Actuators SX Motor Attachment / Motor List

New
Single Axis Actuator

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		
			Mitsubishi Electric Corporation	HG-AK0136	10W		
				HG-AK0236	20W		
SX20	A2025	□25	YASKAWA Electric Corporation	SGMMV-A1E	10W	SSCPW16	
				SGMMV-A2E	20W		
				SGMMV-A3E	30W		
			Mitsubishi Electric Corporation	SGMAV-A5A	50W		
				HG-AK0136	10W		
				HG-AK0236	20W		
	A2038	□38	Panasonic	MSMD5A	50W	SCPDT19	
				MSME5A	50W		
				MSMD01*	100W		
	SX20	A2040	□40	YASKAWA Electric Corporation	SGMJV-A5A	50W	SSCPW16 SCPDT19
					SGM7A-A5A		
				Mitsubishi Electric Corporation	HG-MR053		
HG-KR053							
OMRON Corporation				R88M-K05030			
Keyence Corporation		SV-M005					
		SV2-M005A					
E2040		□40	SIEMENS	1FK7011-5	50W	SCPDW19	
				1FK7015-5	100W		
SX26		A2625	□25	YASKAWA 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		
	A2638	□38	Panasonic	MSMD5A	50W	SSCXW21 SSCPW21 SCPDT19	
				MSME5A	50W		
				MSMD01*	100W		
	A2640	□40	YASKAWA Electric Corporation	SGMJV-A5A	50W	SSCXW21 SSCPW21 SCPDT19	
				SGM7A-A5A			
				SGMAV-A5A			
Mitsubishi Electric Corporation				HG-MR053			
				HG-KR053			
OMRON Corporation	R88M-K05030						
	Keyence Corporation	SV-M005					
SV2-M005A							
E2640	□40	SIEMENS	1FK7011-5	50W	SCPDW19		
			1FK7015-5	100W			
SX30	A3038	□38	Panasonic	MSMD5A	50W	SSCXW21 SSCPW21 SCPDT19	
				MSME5A	50W		
				MSMD01*	100W		
				MSME01*	100W		
	A3040	□40	YASKAWA Electric Corporation	SGMJV-A5A	50W	SSCXW21 SSCPW21 SCPDT19	
				SGM7A-A5A			
				SGMAV-A5A			
				SGM7A-01A			
				SGMJV-01A			
				SGMAV-01A			
				Mitsubishi Electric Corporation			HG-MR053
							HG-MR13
HG-KR13							
OMRON Corporation				R88M-K05030			
	R88M-K10030						
Keyence Corporation	SV-M005						
	SV-M010						
E3040	□40	SIEMENS	1FK7011-5	50W	SCPDW25		
			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	SGM7J-01A	100W			
				SGMJV-01A				
				SGMAV-01A				
				SGMAV-C2A			150W	
				Mitsubishi Electric Corporation			HG-MR053	50W
							HG-KR053	50W
	HG-MR13	100W						
	OMRON Corporation	R88M-K05030	50W					
		R88M-G05030	100W					
		R88M-K10030	100W					
	Keyence Corporation	SV-M005	50W					
		SV-M010	100W					
		MOMF01	100W					
	MA4560	□60	Panasonic	MSMD02	200W			
				MSME02				
				MSMD04				
MSME04								
E4540	□40	SIEMENS	1FK7011-5	50W				
			1FK7015-5	100W				
E4555	□55	SIEMENS	1FK7022-5	380W				
			1FK7025-5	380W				
A4560	□60	YASKAWA Electric Corporation	SGMJV-02A	200W	SSCXW34 SSCPW34 SCPDW32			
			SGMJV-04A	400W				
		Mitsubishi Electric Corporation	HG-MR23	200W				
			HG-KR23	200W				
			HG-MR43	400W				
		OMRON Corporation	R88M-GP10030	100W				
			SV-M020	200W				
		Keyence Corporation	SV-M040	400W				
			SV-M040	400W				

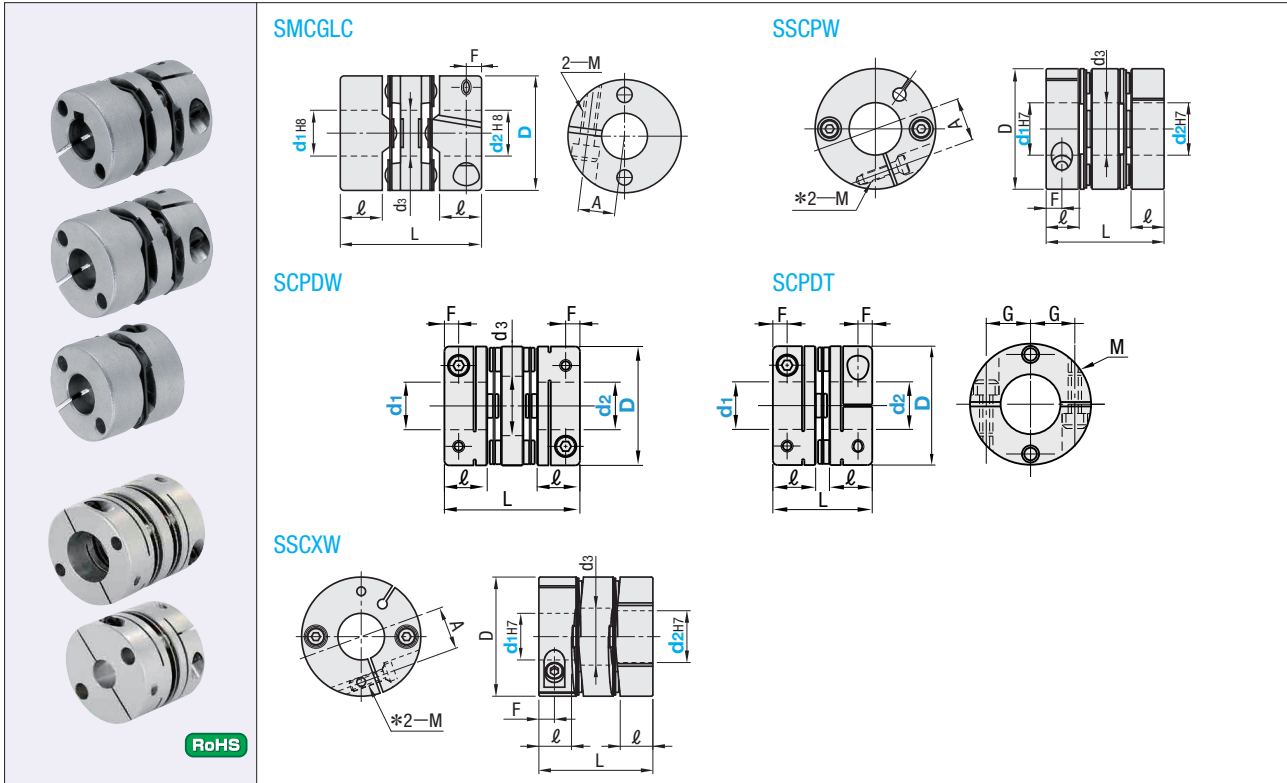
Apply Steppingmotor

SX Type	Motor Attachment	Flange Size	Manufacture's	Motor model number	Type	Recommended Coupling	
SX15	T1528	□28	Oriental Motor	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		
			NEMA23	-			
SX26	T2628	□28	Oriental Motor	PKP22	2-phase	SSCXW21 SSCPW21 SCPDT19	
				PKP52	5-phase		
				ARM2	α STEP		
	T2642	□42	Oriental Motor	PK24*/PKP24	2-phase	SSCXW21 SSCPW21 SCPDT19	
				RKS54*	5-phase		
				PK54	5-phase		
T2656.4	□56.4	NEMA Standard	ARM46	α STEP	SCPDW19		
			NEMA23	-			
SX30	T3042	□42	Oriental Motor	PK24*	2-phase	SSCXW21 SSCPW21 SCPDT19	
				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 SCPDT25	
				ARM66	α STEP		
	T4556.4	□56.4	NEMA Standard	NEMA23	-		SCPDT25 SCPDT32
				T4585	□85		

Ⓢ 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		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 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

