

Selection chart of **Excitron** Integrated Stepper Motors and Controllers

These Excitron Controllers are intelligent and have built-in power drivers and electrical noise filters. Stepper motors are in the first column, and their part numbers are the width and length in millimeters, example: **SM42-47M** is 42mm wide x 47mm long, M means 0.9 degree per full-step. Matching Controllers are shown in the column headings, and their part numbers are the maximum amperage and serial port, example: **10A-RS232** is rated for 10 amps and has built-in RS232. Serial interfaces are: RS232 ($\pm 10v$); USB; and TTL (+5v logic). Encoders and Index is optional by mounting on the motor rear and connecting to input pins on the Controller connector. Combinations of motors and controllers, with SKUs shown, are lower in price than if ordered individually. For all other combinations, order the motor and controller separately. Click on items to see more information.

Stepper Motors	Torque		Controllers				
	in-oz	Ncm	10A-RS232	10A-TTL-3SW	10A-USB	1A-TTL	4A-RS232
SM28-32	4	2.8		10A-TTL-3SW-28-32			
SM28-45	9	6.4		10A-TTL-3SW-28-45			
SM35-26	6	4.2		10A-TTL-3SW-35-26			
SM39-20	9	6.4					
SM39-34	23	16					
SM42-33M	35	25					
SM42-38M	55	39		10A-TTL-3SW-42-38M			
SM42-47M	67	47		10A-TTL-3SW-42-47M			
SM57-40M	84	59		10A-TTL-3SW-57-40M			
SM57-66M	230	162	10A-RS232-57-66M	10A-TTL-3SW-57-66M			
SM57-76M	280	198	10A-RS232-57-76M	10A-TTL-3SW-57-76M			

Large Motors	Torque		Controllers	
	in-lb	Nm	100A-TTL-110	100A-TTL-86
SM86-65	32	23		100A-TTL-86-65
SM86-80	44	31		100A-TTL-86-80
SM86-118	83	59		100A-TTL-86-118
SM86-156	122	86		100A-TTL-86-156
SM110-100	102	72	100A-TTL-110-100	
SM110-150	200	141	100A-TTL-110-150	
SM110-180	244	172	100A-TTL-110-180	
SM110-201	260	184	100A-TTL-110-201	

all 100A-TTL controllers are permanently integrated with the stepper motor

Small Gear Motors	Torque		Controllers				
	in-oz	Ncm	10A-RS232	10A-TTL-3SW	10A-USB	1A-TTL	4A-RS232
SGM24-19-64	20	14				1A-TTL-24-19-64	
SGM25-25-30	25	18				1A-TTL-25-25-30	
SGM30-20-85	24	17				1A-TTL-30-20-85	
SGM35-20-85	25	18				1A-TTL-35-20-85	
SGM35-30-30	24	17				1A-TTL-35-30-30	

Note: gear ratio is the last set of digits