

7STA04B Series Motorized Precision Translation Stages



Characteristics

- Equipped with a stepping motor and a standard DB9 plug, 7SC series motion controllers for automatic control;
- Driving by high quality ball screw rod, good repeatability and accuracy, long life;
- Screw rod adopts three bearing mounting structure, locking the end of axis to prevent loose, suitable for high speed reciprocating use;
- Linear bearing guide rail with support (whole body connected with base), comfortable movement, big load, suitable for single axis with middle loading or multi axes;
- High quality elastic coupling for connecting motor and ball screw rod, synchronous transmission and little noise;

Model	7STA0450B	7STA04100B	7STA04150B	7STA04200B	7STA04300B	7STA04400B	7STA04500B
Travel	50mm	100mm	150mm	200mm	300mm	400mm	500mm
Table size	100mm×150mm						
Lead for screw rod	4mm					5mm	
Resolution(8 subdivision)	0.00125mm			0.0025mm		0.003125mm	
Maximum speed(2 subdivision)	20mm/s			40mm/s			
Repeatability	0.005mm						
Axial clearance	0.03mm						
Standard motor	42 stepping motor(0.9°)			42stepping motor(1.8°)		57stepping motor(1.8°)	
Maximum static torque	0.4N·m					1.2N·m	
Rated working current	1.7A					2.8A	
Central load	20kg					40kg	
Weight	4.1kg	4.5kg	5kg	5.4kg	6.75kg	7.3kg	8.3kg