

# Feuille1

	Acceleration	Max steps/sec	Units	Non-blocking methods	ISR Note 1	Notes
Stepper	No	?	Step RPM	Blocking	No	Easy to use, only three methods
AccelStepper	Yes	4000	Step	Both	No	
MobaTools	Yes (start/stop ramps)	?	Step Degree (angle)	Non-blocking	No	The MobaTools are a compilation of classes that are useful in the model railway environment (but not only there). It can control servos and stepper motors (and other things).
FlexyStepper	Yes	7000	Step Revolution mm	Both	No	
SpeedyStepper	Yes	12500	Step Revolution mm	Both	No	Similar to FlexyStepper but optimized for speed Cannot modify target position, speed or acceleration while motor is moving
FastAccelStepper	Yes	50,000 to 200,000 depending on processor	Hz (steps/s) mHz (steps/1000s) microsec/step ticks	Both	Yes	Fully interrupt/task driven - no periodic function to be called from application loop Not all GPIO pins are allowed on ATmega architectures, see <a href="#">documentation</a>
ESP_FlexyStepper	Yes	?	Step Revolution mm	Both	Yes	This library is used to control one or more stepper motors with a ESP 32 module. Based on S.Reifels FlexyStepper library.
TeensyStep	Yes	300,000	Step	Both	Yes	Compatible with Teensy 3.x boards The library is able to handle synchronized as well as independent movement of up to 4 groups of up to 10 motors
TeensyStep4	Yes	?	Step	Both	Yes	Compatible with Teensy 4.x boards This library is very experimental and no support can be given at the moment

Note 1 : ISR (Interrupt Service Routine) is for librairies that can run as interrupt tasks without the need to use a periodic function in the main loop(). With this feature, one can do whatever is needed in the main loop() without having to worry about the impact on the motors.