

2-phase stepper motors

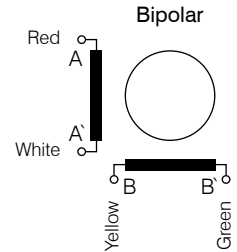
■ Type ST11018 - sizes S, M, L - 1.8°



Option



Pin configuration



Compared with the standard 110mm stepper motors, the new compact, high-torque ST11018 stepper motor delivers an output torque up to 50% higher. Improved operating characteristics with regard to vibration, smooth operation and microstep resolution were achieved at the same time. This improvement was achieved by optimized stator geometry, more favorable magnetic characteristics and special production processes.

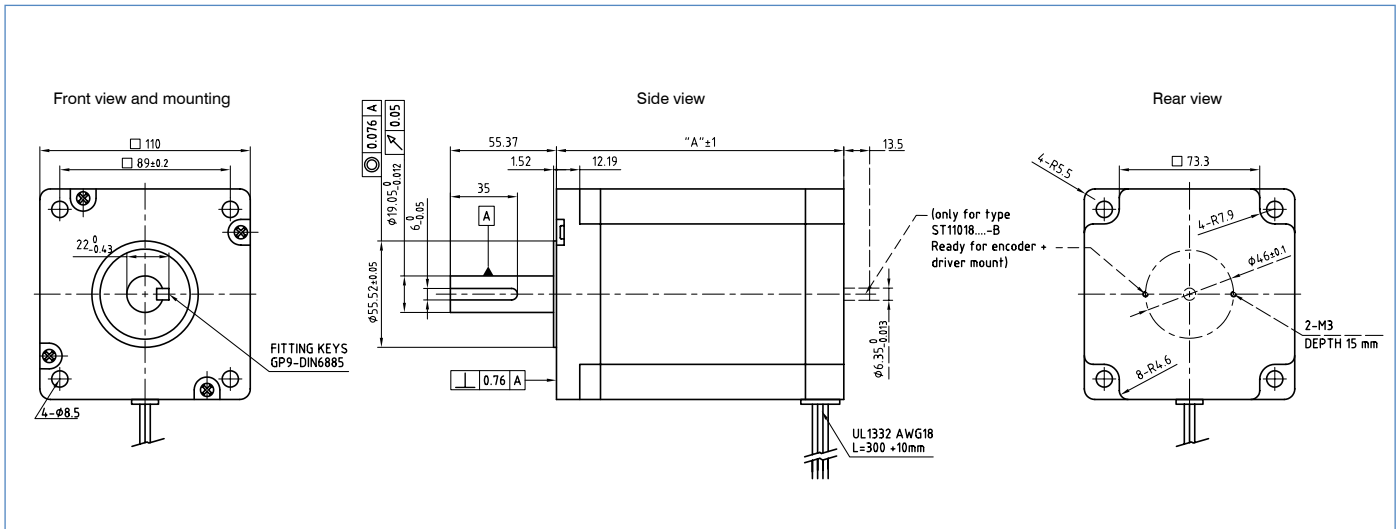
The ST11018 high torque stepper motor was primarily developed for users who have only restricted installation space available with increased torque and who cannot use any gears because of the backlash. Resolutions of up to <math><36^\circ</math> are possible with the SMC46 microstep driver.

Order number

ST 11018 M 6504 -A

A = one shaft end
B = two shaft ends
for encoder or brake

Outline drawing (in mm)



Available power sizes (others on request)

Type	Current per winding A/winding	Holding torque N cm	Resistor per winding Ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm ²	Weight kg	Length "A" mm
ST11018S5504	5.5	11.7	0.70	9.8	5500	5.0	99
ST11018M6504	6.5	21.0	1.15	15.2	10900	8.4	150
ST11018L8004	8.0	25.0	1.00	17.1	16200	11.7	210

All data refer to 1 half of the winding or unipolar!