

Medium torque Motor



A round medium torque motor operating between 1.5 and 4.5V. weight 28g

Constant Volts	1.5V	3.0V
No load Speed rpm	3000	6550
No load current (A)	0.083	0.12
Max eff Speed (rpm)	2300	5050
Max eff Current (A)	0.26	0.40
Torque g-cm	5.2	9.4
Output Watts	0.14	0.49
Efficiency %	38.3	40.1
Stall torque g-cm	21	44

Type	Order code	Price each		
		1-24	25-99	100+
Medium torque mot	525-460	£0.45	£0.36	£0.32

Low-inertia miniature solar Motor

Mabuchi



A low inertia precision solar motor with a starting current of only 10mA making it ideal for low power applications. Voltage range 0.7 to 5.0V. (2V nominal)

Constant Volts	2.0V
No load Speed rpm	2200
No load current (A)	0.018
Max eff Speed (rpm)	1600
Max eff Current (A)	0.055
Torque g-cm	2.8
Output Watts	0.057
Stall torque g-cm	21

Type	Order code	Price each		
		1-24	25-99	100+
Solar Motor	525-462	£1.35	£1.19	£1.05

High torque Motor



A round high torque motor operating between 3.0 and 6.0V. Weight 42g.

Constant Volts	3.9V	6.0V
No load Speed rpm	9700	17100
No load current (A)	0.15	0.21
Max eff Speed (rpm)	7930	14700
Max eff Current (A)	0.76	1.28
Torque g-cm	15.0	26.5
Output Watts	1.22	4.0
Efficiency %	53.3	52.0
Stall torque g-cm	122	220

Type	Order code	Price each		
		1-24	25-99	100+
High torque mot	525-461	£0.52	£0.45	£0.42

Economy gearbox

A slow speed axle drive gearbox for use with our medium and high torque motors providing increased torque and slows speeds by approximately 42:1 4m dia output shaft. Mounting screws supplied. Note does not include motor



Type	Order code	Price each	
		1-9	10+
Economy gearbox	525-463	£1.65	£1.45

Motor mounting bracket

A universal self adhesive bracket that fits our medium and high torque motors

Type	Order code	Price each	
		1-99	100+
Mounting bracket	525-464	£0.23	£0.20

56

MOTORS

Pulleys 4mm



A range of pulleys with 4mm push fit bore manufactured from high impact nylon. Suitable for use with our economy gearbox. Supplied in packs of 10

Type	Order code	Price per pack
10mm dia pulley	525-465	£2.05
20mm dia pulley	525-466	£2.30
25mm dia pulley	525-467	£2.40
30mm dia pulley	525-468	£2.55
40mm dia pulley	525-469	£4.20
60mm dia pulley	525-470	£4.85

Miniature impeller

A plastic push fit impeller suitable for use with miniature DC motors with a 2mm shaft.



Type	Order code	Price each		
		1-24	25-99	100+
4 blade impeller	525-475	£0.49	£0.45	£0.41

Pulleys 2mm



A range of pulleys with 2mm push fit bore manufactured from high impact nylon. Suitable for use with our solar motor. Supplied in packs of 10

Type	Order code	Price per pack
12mm dia pulley 2mm	525-472	£1.40
25mm dia pulley 2mm	525-473	£1.95

Free delivery on all orders over £30 to UK mainland