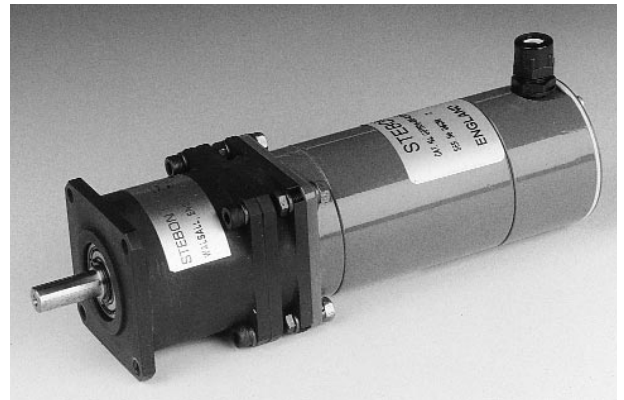


# STEBON GEARED MOTORS

## Frame G600

The STEBON Frame G600 geared stepper motors, designed to retain the standard stepper motor NEMA 23 mounting flange, offer many features which make them an ideal choice on motion control systems.

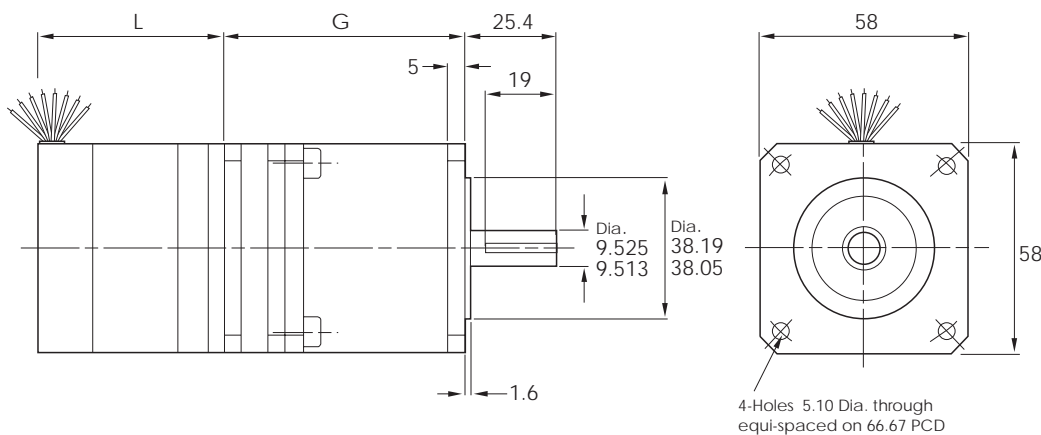
- o Maintenance free.
- o Low backlash – 20' standard.
- o High efficiency.
- o High load bearing capacity.
- o Needle bearings on planet gears for high accuracy.
- o Low friction torque.
- o Integer ratios.
- o Minimum inertia.
- o Other gearboxes available for special applications not covered by the standard range.



### Gearbox Ratings

Input		1-stage						2-stage					
		4	5	7	10	16	20	25	35	50	70	100	
Ratio													
Rated speed	rpm	4000											
Max. speed	rpm	6000											
Rated torque	Nm	1.82	1.45	1.04	0.72	0.48	0.38	0.31	0.22	0.15	0.11	0.08	
Pulse torque	Nm	2.60	2.08	1.48	1.04	0.69	0.55	0.44	0.31	0.22	0.16	0.11	
Rated power	kW	0.76	0.61	0.44	0.30	0.20	0.16	0.13	0.09	0.06	0.05	0.03	
<b>Output</b>													
Rated speed	rpm	1000	800	571	400	250	200	160	114	80	57	40	
Rated torque	Nm	7	7	7	7	7	7	7	7	7	7	7	
Pulse torque	Nm	10	10	10	10	10	10	10	10	10	10	10	
Inertia	kg cm <sup>2</sup>	0.075	0.060	0.048	0.042	0.076	0.075	0.061	0.048	0.042	0.042	0.042	
Max. backlash	'	20											
Efficiency	%	96						91					

### Dimensions (mm)



Frame series	L	Gearbox	G
L600	See page 4	1-stage	67
T600	See page 6	2-stage	84

