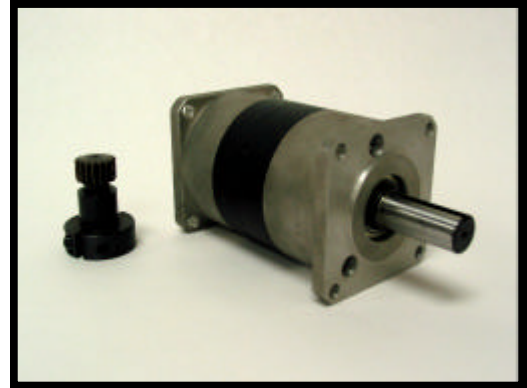


# G3000 Planetary Gear Reducer

- 2.25 Inch NEMA 23
- Continuous Torques up to 60 lb-in
- Peak Torques up to 90 lb-in
- Ratios 5, 10, 15, 25, 50 & 100 Standard
- "Clamp On" Pinion
- Low Cost Powder Metal Gearing Assembly
- 75 Lb Radial and Axial Load Capacity
- "Bolt On" to NEMA 23 Motors
- Compatible with MCG - ID23, IB23, IS23 & IH23 Motors



Catalog Number	Ratio n : 1	Torque		Speed Output Max. rpm	Speed Input Max. rpm	Stage No.	Efficiency %	Gearbox Length L mm / in	Weight kg / lb
		Cont. Tcs Nm / lb-in	Peak Tps Nm / lb-in						
G3005	5	6.78 / 60	10.2 / 90	600	3000	1	90%	74.2 / 2.92	0.4 / 0.9
G3010	10	6.78 / 60	10.2 / 90	300	3000	2	80%	88.9 / 3.5	0.6 / 1.3
G3015	15	6.78 / 60	10.2 / 90	200	3000	2	80%	71.6 / 2.82	0.8 / 1.8
G3025	25	6.78 / 60	10.2 / 90	120.0	3000	2	80%	71.6 / 2.82	0.8 / 1.8
G3050	50	6.78 / 60	10.2 / 90	60.0	3000	3	70%	111.8 / 4.4	1 / 2.2
G3100	100	6.78 / 60	10.2 / 90	30.0	3000	4	60%	127 / 5	1.2 / 2.6

Notes: 1) Backlash accuracy will be typically less than 4%, 2) Add gear length to motor length

Typical Combinations		Ke v/krpm	Motor Length mm / in	Perform	Units	Gear Ratios					
Gear #	Motor #					5	10	15	25	50	100
<b>DC Gearmotor Combinations</b>											
G3xxx -	ID23000	5.8	102.1 / 4.02	Speed	rpm	600	300	200	120.0	60.0	30.0
				Tc	Nm / lb-in	0.95 / 8.4	1.69 / 15	2.54 / 23	4.2 / 38	6.8 / 60	6.8 / 60
				Ic	amps	2.9	2.9	2.9	2.9	2.7	1.57
G3xxx -	ID23004	11	127 / 5	Speed	rpm	600	300	200	120.0	60.0	30.0
				Tc	Nm / lb-in	1.59 / 14.1	2.82 / 25	4.24 / 38	6.8 / 60	6.8 / 60	6.8 / 60
				Ic	amps	4.9	4.9	4.9	4.7	2.7	1.57
<b>Brushless Gearmotor Combinations</b>											
G3xxx -	IB23810	8.2	65.3 / 2.57	Speed	rpm	600	300	200	120.0	60.0	30.0
				Tc	Nm / lb-in	0.65 / 5.8	1.15 / 10	1.73 / 15	2.9 / 26	5.1 / 45	6.8 / 60
				Ic	amps	2.0	2.0	2.0	2.0	2.0	1.57
G3xxx -	IB23830	8.4	105.2 / 4.14	Speed	rpm	600	300	200	120.0	60.0	30.0
				Tc	Nm / lb-in	1.79 / 15.8	3.18 / 28	4.76 / 42	6.8 / 60	6.8 / 60	6.8 / 60
				Ic	amps	5.5	5.5	5.5	4.7	2.7	1.57

Notes 1) Many other gearmotor combinations exist - consult factory, 2) Add Gear & Motor length 3) Add ratio value to G3 Model number as in chart above

