

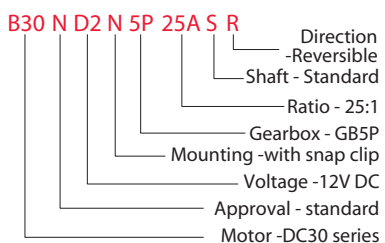
DC30 Combinations

DC Geared Motors

Design

DC30 Series motors are DC motors (Outsourced) that are used in combination with many Mechtex gearheads. Depending on the application, output speed, load applied etc the type of gearhead can be selected. Various types of gears i.e poly acetal, sintered iron, brass, SRBF (helical) & steel gears can be used based on the load considerations. Poly acetal or sintered gears usually are used for noise dampening & complete poly acetal gears are used when the output torque required is less. All bearings are permanently lubricated and therefore require no maintenance.

Ordering Data (e.g.)



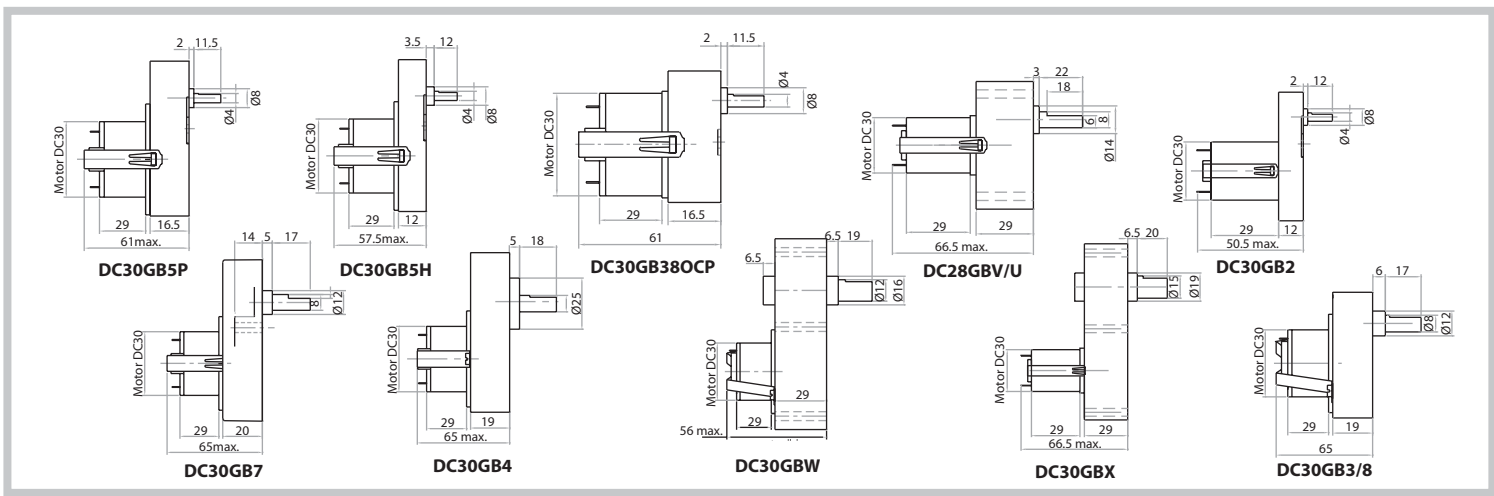
Standard Data

Motor Type		PM Brushed dc motor
Combination with Mechtex Gear Series		GB 2/5P/5H, GB 380CP, GB B/C, GB 3/4/7/8, GB V/U/W/X
Standard motor voltages	V	24, 12, 6 & 3
Weight	g	75
Enclosure	IP	30
Mounting		By snap clip or by screws
Life expectancy		Approx 500 hours @ max efficiency
Direction		Reversible

Technical Data

Mecthex MODEL No.	Physical data Dim. mm Dai. height	No Load data			Data at max efficiency						Stall	
		Voltage V DC	Speed RPM	No-load Current A	Speed RPM	Current Amps	Torgue Ncm	Effic. (%)	Power W(out)	Power W(in)	Torgue Ncm	Current mA
A30	32.5 X 29	24	6200	0.060	5000	0.210	0.620	62.31	5.040	3.170	3.200	31.370
A30	32.5 X 29	12	3100	0.045	2345	0.146	0.350	49	0.847	1.713	1.420	465.000
A30	32.5 X 29	6	1500	0.035	1100	0.090	0.160	36	0.183	0.508	0.660	237.000
B30	32.5 X 29	12	6200	0.120	4990	0.438	0.560	55	2.866	5.254	3.070	1900.000
B30	32.5 X 29	6	3100	0.100	2216	0.294	0.390	51	0.892	1.734	1.710	1041.000
B30	32.5 X 29	3	1500	0.090	980	0.195	0.230	41	0.229	0.560	0.820	533.000
M30	32.5 X 29	24	2500	0.025	1752	0.070	0.39	45	0.705	1.578	1.460	188.000
M30	32.5 X 29	12	1200	0.020	704	0.049	0.22	32	0.163	0.505	0.680	96.000

Assembly Drawings



Photographs

