



DC30 Combinations

DC Geared Motors

Design

Motor DC30 is a carbon brush DC motor which is used in combination with many MechTex gearheads. The standard gearheads used in conjunction with this motor are GB2, GB5P, GB5H, GB38OCP, GB3, GB4, GB7, GB8 & GBW. 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 or steel gears can be used based on the requirement. Poly acetal or sintered gears damp the noise. Case hardened steel gears are always on the output for load considerations. Complete poly acetal gears are used when the output torque required is low. Linear drive is possible with gearhead GB4, GB7, GBW with M6 x 1 mm pitch screw. The linear guide & screw arrangement can be done only on special request.

Ordering Data (eg):

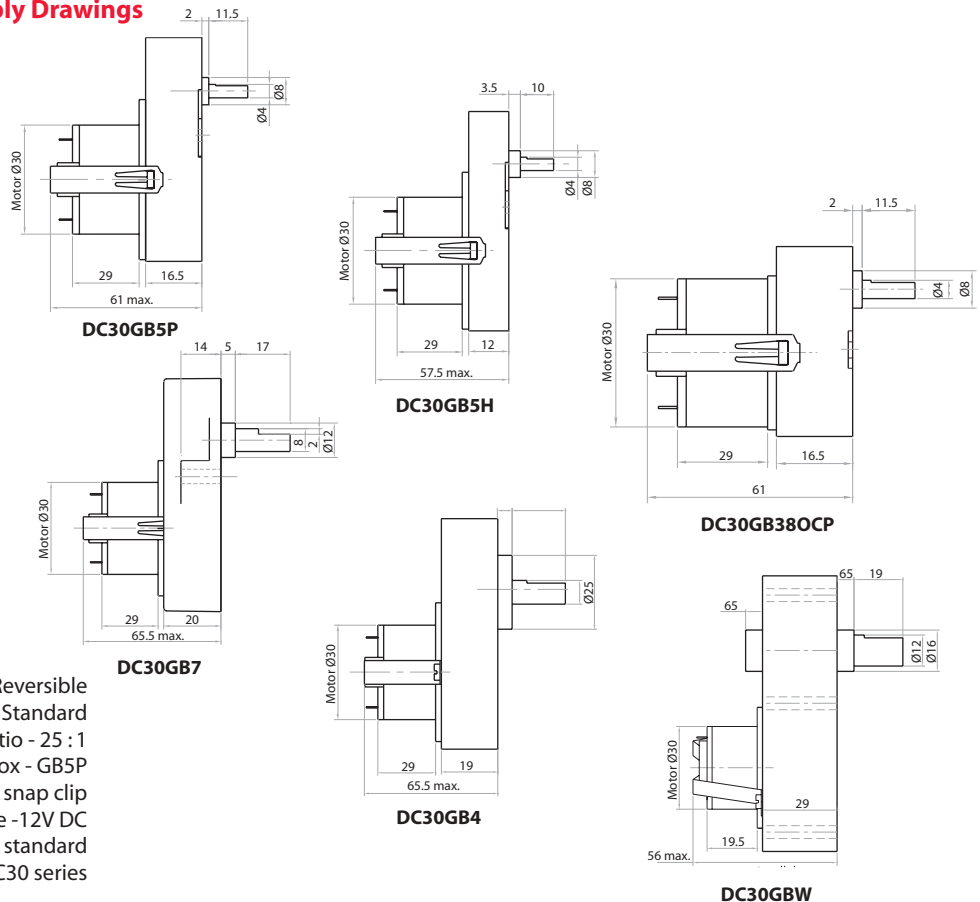
B30 N D2 N 5P 25A S R

- Direction - Reversible
- Shaft - Standard
- Ratio - 25 : 1
- Gearbox - GB5P
- Mounting - with snap clip
- Voltage - 12V DC
- Approval - standard
- Motor - DC30 series

Motor Data

MECH-TEX MODEL No.	Physical Data Dim. mm Dia x height	NO LOAD DATA			Data At Max-Efficiency				Stall			
		Voltage V DC	Speed RPM	Current A	Speed RPM	Current Amps	Torque Grcm	Effic. (%)	Power W(out)	Power W(in)	Torque gm-cm	Current mA
DC30a	32.5 X 29	24	6200	0.060	5000	0.210	61.76	62.31	5.040	3.170	320.000	31.370
DC30a	32.5 X 29	12	3100	0.045	2345	0.146	35.19	49	0.847	1.713	142.125	465.000
DC30a	32.5 X 29	6	1500	0.035	1100	0.090	16.16	36	0.183	0.508	66.024	237.000
DC30b	32.5 X 29	12	6200	0.120	4990	0.438	55.930	55	2.866	5.254	307.700	1900.000
DC30b	32.5 X 29	6	3100	0.100	2216	0.294	39.200	51	0.892	1.734	171.984	1041.000
DC30b	32.5 X 29	3	1500	0.090	980	0.195	22.720	41	0.229	0.560	82.804	533.000

Assembly Drawings



Photographs

