



DC28 Combinations

DC Geared Motors

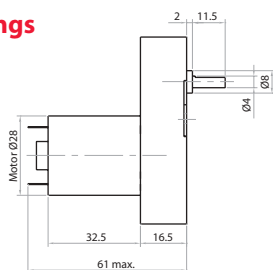
Design

Motor DC28 is a carbon brush DC motor which is used in combination with many Mech Tex gearheads. The standard gearheads used in combination 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 in an economical model (GB7P). Linear drive is possible with gearhead GB4, GB7, GBW with M6 x 1 mm pitch screw. The linear guide & screw arrangement can be done on special request.

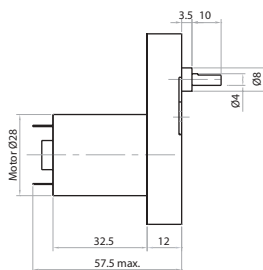
Motor Data

MECH-TEX MODEL No.	Physical Data Dim. mm	NO LOAD DATA				Data At Max-Efficiency				Stall		
		V DC	Speed RPM	Current A	Speed RPM	Current Amps	Torque Grcm	Effic. (%)	Power W(out)	Power W(in)	Torque gm-cm	Current mA
DC28a	27.5 X 32.5	24	5000	0.040	3945	0.099	28.890	55	1.170	2.109	136.800	350.000
DC28a	27.5 X 32.5	12	2500	0.035	1577	0.077	21.160	40	0.343	0.863	61.785	171.000
DC28a	27.5 X 32.5	6	1200	0.032	630	0.051	9.068	23	0.059	0.253	25.171	85.000
DC28b	27.5 X 32.5	12	4800	0.080	3536	0.224	35.700	49	1.296	2.633	296.700	1330.000
DC28b	27.5 X 32.5	6	2400	0.070	1537	0.143	19.730	38	0.311	0.825	73.414	364.000
DC28b	27.5 X 32.5	3	1200	0.070	577	0.105	11.820	25	0.070	0.285	28.299	176.000
DC28m	27.5 X 32.5	24	2750	0.020	2028	0.056	25.380	43	0.695	1.941	98.06	152.000
DC28m	27.5 X 32.5	12	1300	0.018	809	0.041	14.220	25	0.118	0.482	42.575	80.000
DC28m	27.5 X 32.5	6	650	0.018	239	0.032	8.664	12	0.021	0.183	15.395	41.000
DC28z	27.5 X 32.5	6	9800	0.300	8052	1.154	50.340	60	4.163	6.935	309.800	5790.000
DC28z	27.5 X 32.5	3	4900	0.250	3668	0.844	36.660	55	1.381	2.504	169.590	3096.000
DC28z	27.5 X 32.5	1.5	2400	0.240	1565	0.592	23.460	44	0.377	0.863	79.043	1528.000
DC28La	28 x 46.6	24	3000	0.035	2431	0.134	78.05	62	1.949	3.135	401.448	572.000
DC28La	28 x 46.6	12	1500	0.035	1118	0.090	48.31	55	0.555	1.010	198.861	287.000
DC28La	28 x 46.6	6	700	0.028	553	0.051	19.80	45	0.112	0.253	92.934	149.000
DC28Lb	27.5 X 46.6	12	3000	0.070	2376	0.230	62.12	57	1.516	2.670	319.200	930.000
DC28Lb	27.5 X 46.6	6	1500	0.060	1174	0.130	30.20	52	0.364	0.699	150.786	459.000
DC28Lb	27.5 X 46.6	3	750	0.060	536	0.092	15.96	41	0.088	0.212	62.702	231.000

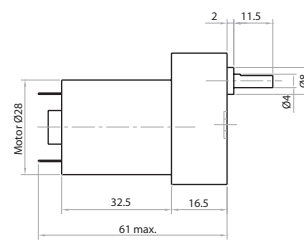
Assembly Drawings



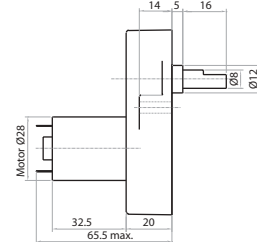
DC28GB5P



DC28GB5H

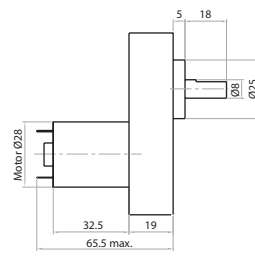
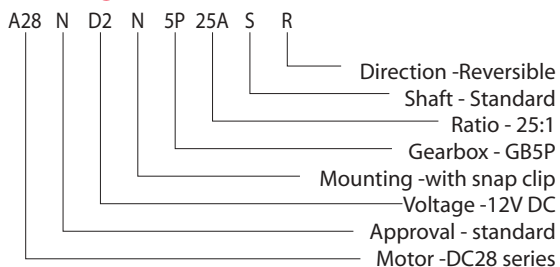


DC28GB38OCP

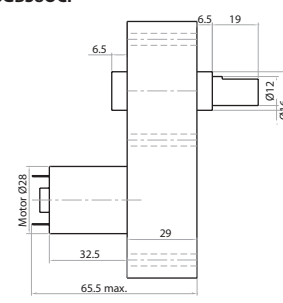


DC28GB7

Ordering Data (eg:)



DC28GB4



DC28GBW

Photographs

