

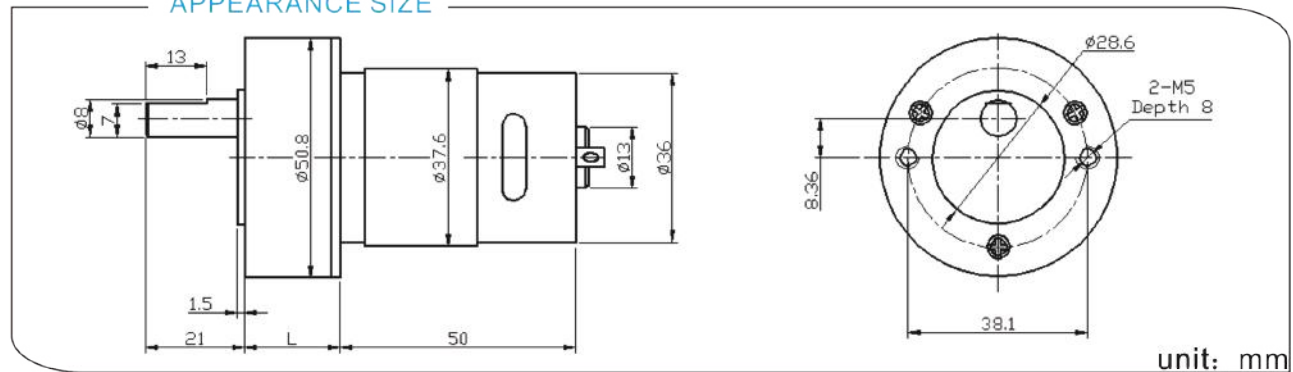
DC SPUR GEAR MOTOR DM-50RS545

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、
办公设备、家用电器、自动执行机构
Auto shutter, binding machine, automatic TV rack, money counter,
spotlight, tissue machine, office equipments, household appliances,
automatic actuator



APPEARANCE SIZE



unit: mm

齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5
减数比 Reduction Ratio i	9	21、25.5	50、60、72	118、142、170、205
齿轮箱长度 Gearbox Length L (mm)	21.9	26.4	30.9	35.4
破坏扭力 Breaking Torque(kgf.cm)	20	25	30	30
齿轮箱效率 Gearbox Efficiency η	81%	73%	65%	59%

电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-545-012-3000	12	≤110	3000	≤450	2200	100	2.3	≥320	≥1440
DM-545-012-4500	12	≤220	4500	≤800	3300	150	5.1	≥480	≥2400
DM-545-012-6000	12	≤350	6000	≤1500	4500	200	9.2	≥640	≥4400
DM-545-024-3000	24	≤60	3000	≤230	2200	100	2.3	≥320	≥720
DM-545-024-4500	24	≤110	4500	≤400	3300	150	5.1	≥480	≥1200

减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-50RS545-0123000-50K	12	0.19	56.4	0.53	41.8	4.0	1.93	17.0	1.52
DM-50RS545-0126000-118K	12	0.20	50.7	1.22	43.7	13.1	5.89	95.2	7.56
DM-50RS545-0128000-118K	12	0.68	65.0	2.92	51.0	24.8	13.03	115.5	11.07
DM-50RS545-0243000-50K	24	0.10	54.5	0.36	42.0	6.0	2.67	26.0	1.22
DM-50RS545-0248000-118K	24	0.23	67.9	1.31	55.7	22.2	12.71	123.4	6.22

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩*齿轮箱减数比*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n_m/i)

Gear Motor Output Torque=DC Motor Torque*Gear Ratio*Gearbox Efficiency. (t=t_m*i*η)