

φ16mm

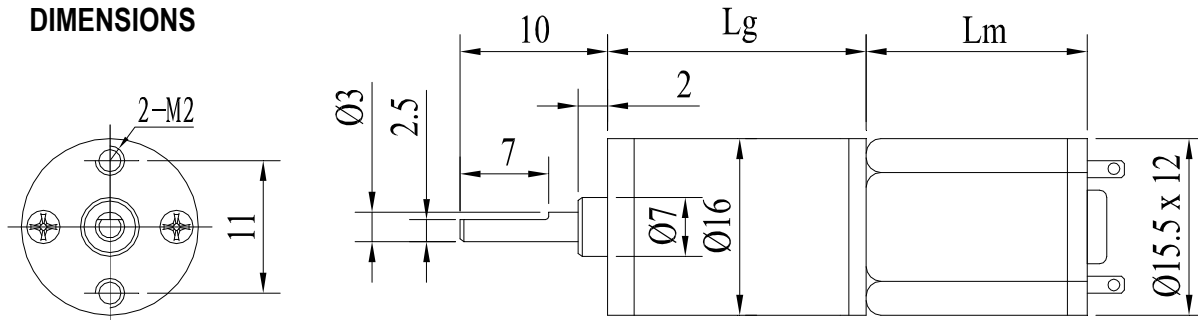
SPUR GEAR HEAD (正齿轮箱) w/
16ZYT PM DC Motor (永磁直流马达)



● GEAR HEAD SPECIFICATIONS

Gear Ratio			Stage	Eff.	Rated Load	Max. Load	Length
减速比			级数	效率	额定负载	最大负载	长度
1:X			#	%	Kg.cm	Kg.cm	mm
25	30	50	4	66	0.5	1	12.8
75	100	150	5	59	0.75	1.5	14.2
250	300	450	6	53	1	2	15.6
750	900	1350	7	48	1.5	3	17.9
2250	2700	4050	8	43	1.5	3	19.3

● DIMENSIONS



● MOTOR SPECIFICATIONS

Model	Rated	No-load		Rated				Stall	Motor	
	Voltage	Current	Speed	Current	Speed	Torque	Power	Torque	Dia.	Length
	VDC	A	r/min	A	r/min	g.cm	W	g.cm	mm	mm
16ZYT19-06-105	6	0.041	10500	0.130	8000	4.3	0.353	19	15.5	18.6
16ZYT19-03-70	3	0.06	7000	0.170	5200	4	0.213	17	15.5	18.6
16ZYT27-06-115	6	0.08	11500	0.270	9200	7.3	0.689	38	15.5	26.9
16ZYT27-12-120	12	0.05	12000	0.170	9900	8.5	0.864	37	15.5	26.9

● GEAR MOTOR SPECIFICATIONS

16JA1.5K-xxxG/ 16ZYT19-06-105

Gear Ratio	25	30	50	75	100	150	250	300	450	750	900	1350	2250	2700	4050
No-load speed (RPM)	420	350	210	140	105.0	70.0	42	35.0	23.3	14.0	11.7	7.8	4.7	3.9	2.6
Rated speed (RPM)	320	267	160	107	80.0	53.3	32	26.7	17.8	10.7	8.9	5.9	3.6	3.0	2.0
Rated load (Kg.cm)	0.07	0.09	0.14	0.19	0.25	0.38	0.57	0.68	1.0	1.5	1.5	1.5	1.5	1.5	1.5

16JA1.5K-xxxG/ 16ZYT19-03-70

Gear Ratio	25	30	50	75	100	150	250	300	450	750	900	1350	2250	2700	4050
No-load speed (RPM)	280	233	140	93	70.0	46.7	28	23.3	15.6	9.3	7.8	5.2	3.1	2.6	1.7
Rated speed (RPM)	208	173	104	69	52.0	34.7	21	17.3	11.6	6.9	5.8	3.9	2.3	1.9	1.3
Rated load (Kg.cm)	0.07	0.08	0.13	0.18	0.2	0.35	0.53	0.6	0.95	1.44	1.5	1.5	1.5	1.5	1.5

16JA1.5K-xxxG/ 16ZYT27-06-115

Gear Ratio	25	30	50	75	100	150	250	300	450	750	900	1350	2250	2700	4050
No-load speed (RPM)	460	383	230	153	115.0	76.7	46	38.3	25.6	15.3	12.8	8.5	5.1	4.3	2.8
Rated speed (RPM)	368	307	184	123	92.0	61.3	37	30.7	20.4	12.3	10.2	6.8	4.1	3.4	2.3
Rated load (Kg.cm)	0.12	0.14	0.24	0.32	0.4	0.6	0.97	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5

16JA1.5K-xxxG/ 16ZYT27-12-120

Gear Ratio	25	30	50	75	100	150	250	300	450	750	900	1350	2250	2700	4050
No-load speed (RPM)	480	400	240	160	120.0	80.0	48	40.0	26.7	16.0	13.3	8.9	5.3	4.4	3.0
Rated speed (RPM)	396	330	198	132	99.0	66.0	40	33.0	22.0	13.2	11.0	7.3	4.4	3.7	2.4
Rated load (Kg.cm)	0.14	0.17	0.28	0.38	0.5	0.75	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5