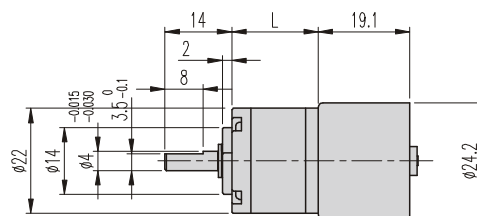
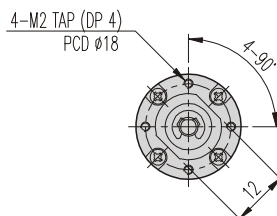


K22-TYPE

Planetary GEARHEAD

DIMENSIONS

K22-2419 BLDC SERIES



GEARHEAD LENGTH			
RATIO	L	RATIO	L
1/4	14.4	1/198 ~ 1/455	25.35
1/14 ~ 1/19	18.05	1/742 ~ 1/1996	29
1/53 ~ 1/104	21.7		

BLDC MOTOR PERFORMANCE DATA

ITEM MODEL	VOLTAGE (DC)	NO LOAD		AT MAX. EFF.					WEIGHT (g)
		mA	rpm	gf.cm	mA	rpm			
NB1-2419-062	12V	120	6200	25	200	4500			30
NB2-2419-087	24V	100	8700	18	180	7200			

AT MAXIMUM EFFICIENCY (BLDC2419 SERIES)

MODEL	NB1-2419-062		NB2-2419-087	
	DC 12V		DC 24V	
GEAR	rpm	kgf.cm	rpm	kgf.cm
1/0004	1125	0.09	1800	0.06
1/0014	321	0.29	514	0.2
1/0016	281	0.33	450	0.23
1/0019	237	0.39	379	0.27
1/0053	85	1	136	0.68
1/0062	73	1.1	116	0.8
1/0072	63	1.3	100	0.93
1/0084	54	1.6	86	1.1
1/0104	43	1.9	69	1.3
1/0198	22.7	3	36	2.3
1/0231	19.5	3	31	2.7
1/0270	16.7	3	26.7	3
1/0316	14.2	3	22.8	3
1/0370	12.1	3	19.5	3
1/0455	9.9	3	15.8	3
1/0742	6	3	9.7	3
1/1014	4.4	3	7.1	3
1/1249	3.6	3	5.7	3
1/1621	2.8	3	4.4	3
1/1996	2.3	3	3.6	3

* Gearbox output shaft rotation direction is same direction with motor.