

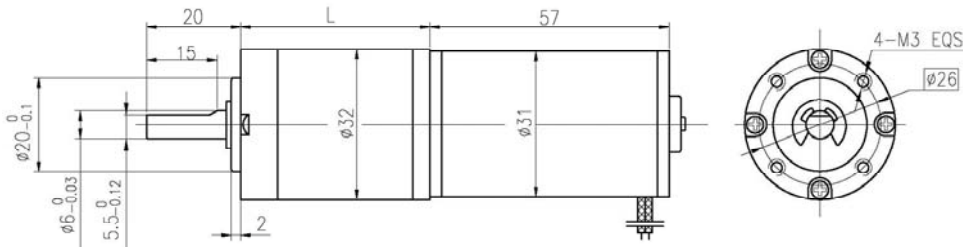
PM DC Planetary Gear Motor (Ring Gear Material: Metal)

PGM32-30K/31M57

32mm OD Planetary Gearbox,
Permissible Load Range: 0.3N.m~3.0N.m

- Standard output shaft OD 6mm, OD 8mm optional.

• Dimensions



• Motor Technical Data

电机型号 TYPE	额定电压 Rated voltage VDC	空载转速 No-load speed r/min	空载电流 No-load current mA	额定转速 Rated speed r/min	额定转矩 Rated torque mN.m	输出功率 Output power W	额定电流 Rated current mA	堵转力矩 Stall torque mN.m	堵转电流 Stall current A
31M57-2450	24	5000	100	3780	20	7.8	600	82	2.0
31M57-2470	24	7000	130	5500	22	12.4	750	103	3.3

• Gear Motor Technical Data

31M57-2450 (31M57-2450 DC Motor)

减速比 Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	182	219	254
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4
减速器长度(L) Length(L) mm	25.7	25.7	32.8	32.8	32.8	39.7	39.7	39.7	39.7	46.6	46.6	46.6
空载转速 No-load speed r/min	1351	962	357	263	185	98	70	50	36	27	23	20
额定转速 Rated speed r/min	1022	727	270	199	140	74	53	38	27	21	17	15
额定转矩 Rated torque N.m	0.07	0.10	0.25	0.34	0.48	0.82	1.1	1.6	2.2	2.6	3	3
最大瞬间允许负载 Max. permissible load in a short time N.m	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9	9	9

31M57-2470 (31M57-2470 DC Motor)

减速比 Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	182	219	254
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4
减速器长度(L) Length(L) mm	25.7	25.7	32.8	32.8	32.8	39.7	39.7	39.7	39.7	46.6	46.6	46.6
空载转速 No-load speed r/min	1892	1346	500	368	259	137	99	70	50	38	32	28
额定转速 Rated speed r/min	1486	1058	393	289	204	108	77	55	40	30	25	22
额定转矩 Rated torque N.m	0.073	0.10	0.25	0.34	0.48	0.82	1.1	1.6	2.2	2.6	3	3
最大瞬间允许负载 Max. permissible load in a short time N.m	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9	9	9