

MD028028

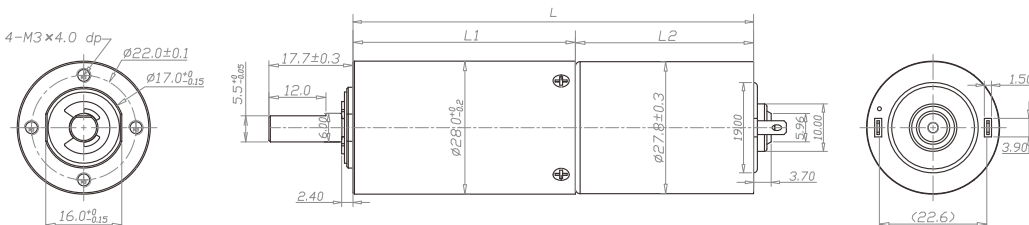
齿轮箱规格 Gearbox Specifications

外径	Outer diameter	28mm	轴承	Bearing	含油轴承 oil-impregnated bearings	滚动轴承 Rolling bearing
材质	Material	五金 Metal	轴向窜动	Axial Play	≤0.1mm	≤0.1mm
旋转方向	Direction of rotation	cw & ccw	输出轴径向负载	Radial Load at Output Shaft	≤120N	≤170N
齿轮箱回程差	Backlash	≤2° 可定制 Customizable	工作温度	Operating temperature range	-30 ~ +100°C	

齿轮级数 Gearbox Stages

		1	2	3	4
减速比	Reduction ratio	4 / 6	16 / 24 / 36	64 / 96 / 144 / 216	256 / 384 / 576 / 864 / 1296
最大容许扭力 (gf.cm)	Max rated torque of gearbox (gf.cm)	40000	40000	40000	40000
瞬间容许力矩 (gf.cm)	Max. intermittent torque (gf.cm)	120000	120000	120000	120000
齿轮箱效率 (%)	Gearbox efficiency (%)	87	64	51	41
长度 (mm)	Gearbox length L1 (mm)	21.3	29.8	38.3	46.8

技术插图 | Technical Drawing



马达规格参数 Motor Specifications

马达(可选择) Motor type (optional)	直流有刷电机、直流无刷电机、步进电机 Brushed DC motor, Brushless DC motor, Stepper motor	输入速度 Input speed	≤15000rpm
电压(可选择) Voltage (optional)	3-24V	负载电流 Load current	400mA max

参考数据(马达定义值: 24V 7700rpm) 下表根据马达定义值测试, 数据只作为参考值。Parameter (values at 24V & 7700rpm) The following data is for reference only.

型号 Model	Rated Speed 额定转速	Max Speed 最高转速	Max Rated Torque 齿轮箱额定容许力矩	Max. Intermittent Torque 齿轮箱瞬间容许力矩	Reduction Ratio 减速比	Gearbox Length 减速箱长 L1	Overall Length 总长 L
	rpm	rpm	gf.cm	gf.cm		mm	mm
MD028028-4	1658	1925	40000	120000	4	21.3	58.8
MD028028-6	1105	1283	33000	100000	6		
MD028028-16	413	472	40000	120000	16	29.8	67.3
MD028028-24	276	312	40000	120000	24		
MD028028-36	181	211	33000	100000	36		
MD028028-64	104	119	40000	120000	64	38.3	75.8
MD028028-96	69	79	40000	120000	96		
MD028028-144	46	54	40000	120000	144		
MD028028-216	31	35	33000	100000	216		
MD028028-256	26	30	40000	120000	256	46.8	84.3
MD028028-384	17	19	40000	120000	384		
MD028028-576	12	13	40000	120000	576		
MD028028-864	8	9	40000	120000	864		
MD028028-1296	5	6	33000	100000	1296		

注: 可根据客户要求定制 Specifications can be customized per customer requirements.