

Planetengetriebemotor

Planetengetriebe (Innenzahnkranz: Sintermetall)

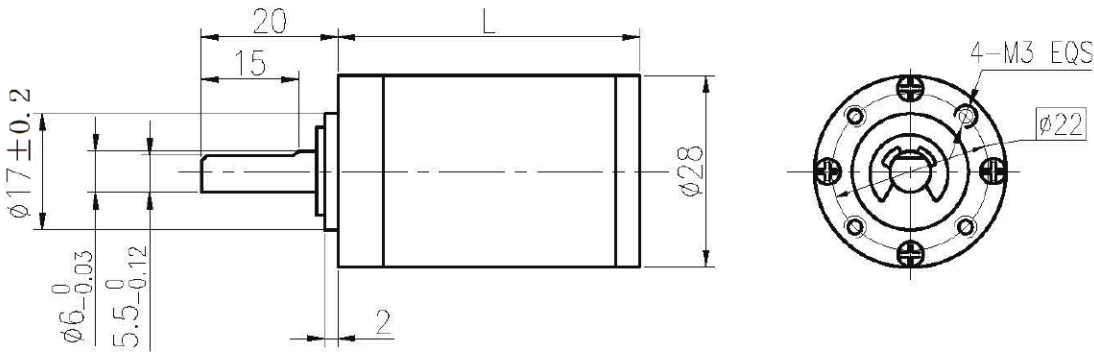
RP28

28 mm Planetengetriebe, zulässiger Lastbereich: 0,1-1,0 N.m
28mm Planetary Gearbox, Permissible Load Range: 0.1N.m~1.0N.m

内齿圈材料 Ring material	金属粉末 Powder meta
输出轴承形式 Bearing at output	滚动轴承 Ball bearings
最大允许径向负载 (离法兰 6mm 处) Max. Radial load (6mm from flange)	50N
最大允许轴向负载 Max. shaft axial load	30N
径向间隙 (测量点尽量接近法兰) Radial play of shaft (near to flange)	≤0.08 mm
轴向间隙 Axial play of shaft	≤0.3 mm
背隙 (无负载时) Backlash at no-load	≤2.5°
输出轴最大承受压入力 Shaft press fit force, max	60N



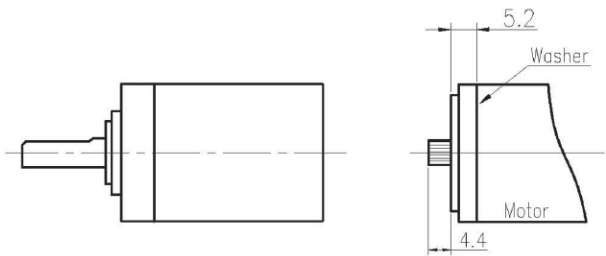
外形和安装尺寸 Dimensions



电机轴齿轮型式 Pinion Specifications

模数 Module	0.5	
齿数 No. of teeth	11	17
压力角 Pressure angle	20°	
孔径 Hole diameter	$\phi 2.02$ $\phi 2.32$	
减速比 Reduction ratio	1/5 1/20 1/25 1/80 1/100 1/125	1/4 1/16 1/64 1/39

电机轴齿轮装配 Motor Installation



标准减速比型式 Gearbox Specifications

减速比 Reduction ratio	额定允许负载 Rated tolerance torque	瞬间允许负载 Max momentary tolerance torque	效率 Efficiency	L (mm)	重量 (g) Weight(g)
1/4 1/5	0.1 N.m Max.	0.3 N.m	90 %	23.3±0.5	65
1/16 1/20 1/25	0.4 N.m Max.	1.2 N.m	81 %	29 ±0.5	88
1/64 1/80 1/100 1/125	0.8N.m Max.	2.4 N.m	73 %	34.7±0.5	110
1/256 1/320 1/400 1/500 1/625	1.0 N.m Max.	3.0 N.m	66 %	40.4 ±0.5	141

Ein-/Ausgangsdrehrichtung: gleichsinnig Max. Motoreingangsdrehzahl: <10000 rpm Betriebstemperatur: -15 °C bis +80 °C
input & output same rotation direction motor max. input speed < 10000rpm Operating temperature range: -15°C ~+80°C