

Planetengetriebemotor

Planetengetriebe (Innenzahnkranz: Sintermetall)

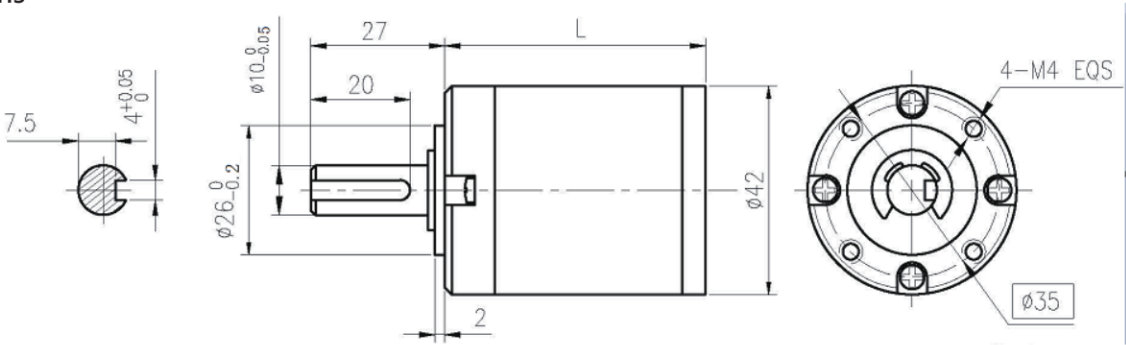
RP42

42 mm Planetengetriebe, zulässiger Lastbereich: 1,5-15 N.m
42mm Planetary Gearbox, Permissible Load Range: 1.5N.m~15N.m

内齿圈材料 Ring material	金属粉末 Powder meta
输出轴轴承形式 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)	200N
最大允许轴向负载 Max. shaft axial load	100N
径向间隙 (测量点尽量接近法兰) Radial play of shaft (near to flange)	≤0.06 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	150N



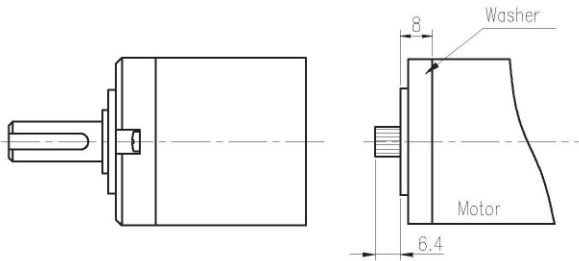
外形和安装尺寸 Dimensions



电机轴齿轮型式 Pinion Specifications

模数 Module	0.6					
齿数 No. of teeth	11			17		
压力角 Pressure angle	20°					
孔径 Hole diameter	Φ3.98					
减速比 Reduction ratio	1/5.2	1/19	1/27	1/71	1/100	1/189
	1/139	1/369	1/516	1/721		1/262

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)
1/3.7 1/5.2	1.5 N.m Max.	3 N.m	90 %	34	244
1/14 1/19 1/27	4 N.m Max.	12 N.m	81 %	44.2	314
1/50 1/71 1/100 1/139	10 N.m Max.	25 N.m	73 %	54.4	433
1/189 1/262 1/369 1/516 1/721	15 N.m Max.	38 N.m	66 %	64.6	519