

Planetengetriebemotor

Planetengetriebe (Innenzahnkranz: Sintermetall)

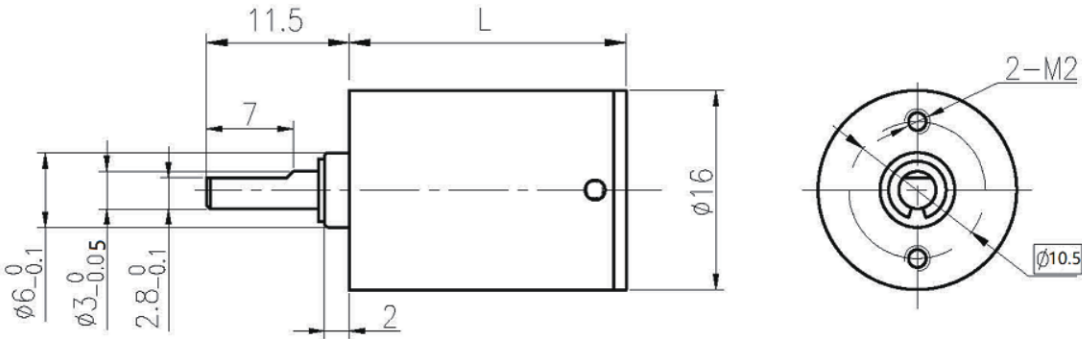
RP16

16 mm Planetengetriebe, zulässiger Lastbereich: 0,03-0,3 N.m
16mm Planetary Gearbox, Permissible Load Range: 0.03N.m~0.3N.m

内齿圈材料 Ring material	金属粉末 Powder meta
输出轴承形式 Bearing at output	含油轴承 Sleeve bearings
最大允许径向负载 (离法兰 6mm 处) Max. Radial load (6mm from flange)	≤5N
最大允许轴向负载 Max. shaft axial load	≤5N
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	≤0.2 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	≤15N



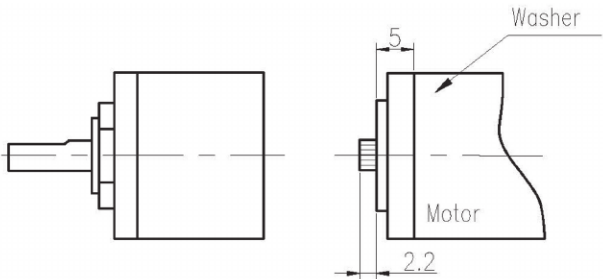
外形和安装尺寸
Dimensions



电机轴齿轮型式
Pinion Specifications

模数 Module	0.3	
齿数 No. of teeth	12	15
压力角 Pressure angle	20°	
孔径 Hole diameter	Φ1.48 Φ1.98	
减速比 Reduction ratio	1/4.75 1/24 1/107 1/509	1/4 1/16 1/19 1/64 1/76 1/96 1/256 1/304 1/361 1/429

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 1/4.75 1/6	0.03 N.m Max.	0.09 N.m	90 %	12.3±0.5	18
1/16 1/19 1/24 1/29 1/36	0.12 N.m Max.	0.36 N.m	81 %	15.9±0.5	21
1/64 1/76 1/96 1/107 1/144 1/171 1/216	0.24 N.m Max.	0.72 N.m	73 %	19.5±0.5	23
1/256 1/304 1/361 1/429 1/509	0.3 N.m Max.	0.9 N.m	66 %	23.1±0.5	26

Ein-/Ausgangsrehrichtung: 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