



GABRIEL ND047

(单位: mm)

Reducer Performance Information

ND047 (单节)	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
	12	20	28	47	67	4-M3×0.5P	72	3	46	8-3.4	60	46.2
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10		
	8	6	3	19.5	7	4	5	25	4	0.5		
	C1*	C2*	C3*	C4*	C5*	C6*	C7*	C8*	C9*	C10*	OD	
	46	M4×0.7P	≤11/≤12	31	30	4.3	40	18.7	75	10	56×2	

*Dimensions based on servo-motor, please contact us for custom made order.

节数 Segment number	单节 Single segment				
减速比 Ratio	i	4	5	7	10
额定输出力矩 T _{2N} Rated output torque	Nm	18	20	18	13
急停扭矩 T _{2NOT} ★ Emergency stop torque	Nm	三倍额定输出力矩			
额定输入转速 n _{1N} Rated input speed	rpm	5000			
最大输入转速 n _{1B} Max input speed	rpm	10000			
超精密背隙 P0 Ultra-precise backlash	arcmin	-			
精密背隙 P1 Precise backlash	arcmin	≤3			
标准背隙 P2 Standard backlash	arcmin	≤5			
扭转刚性 Torsional rigidity	Nm/arcmin	7			
最大弯曲力矩 M _{2KB} ▲ Maximum bending moment	Nm	42.5			
容许轴向力 F _{2aB} ▲ Max. axial force	N	990			
使用寿命 Service Life	hr	30000(连续运转为15000)			
效率 η Efficiency	%	≥97%			
重量 Weight	kg	0.7			
使用温度 Operating temperature	°C	-10°C ~ +90°C			
润滑 Lubrication		合成润滑油脂			
防护等级 Protection Class		IP64			
安装方向 Mounting Position		任意方向			
噪音值 (n ₁ =3000rpm, 无负载) Noise Level (N ₁ =3000rpm, Non-Loaded)	dB (A)	≤56			
转动惯量 J _r Rotary inertia	Kg · cm ²	0.03			

★ Maximum output force 60%

▲ Output rotation speed 100rpm

