



# GABRIEL NB42

(单位: mm)

NB042	D1	D2	D3	D4	D5	D6	D7	L1	L2	L3	L4	L5	L6
Single Section	50	3.4	13	35	17.5	M4×0.7P	57	42	26	5.5	1	16	2

NB042	L7	L8	L9	C1*	C2*	C3*	C4*	C5*	C6*	C7*	C8*	C9*	B1	H1
Single Section	4	3.2	10	46	M4×0.7P	≤14	30.2	30	6	42	100.2	11.2	5	15

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

## Reducer Performance Information

节数 Segment number	单节 Single segment								
减速比 Ratio	i	4	5	6	7	8	9	10	
额定输出力矩 T <sub>2N</sub> Rated output torque	Nm	18	20	18	18	16	13	13	
急停扭矩 T <sub>2NOT</sub> ★ Emergency stop torque	Nm	三倍额定输出力矩							
额定输入转速 n <sub>1N</sub> Rated input speed	rpm	5000							
最大输入转速 n <sub>1B</sub> Max input speed	rpm	10000							
超精密背隙 P0 Ultraprecise 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	3							
容许径向力 F <sub>2rB</sub> ▲ Maximum bending moment	N	780							
容许轴向力 F <sub>2aB</sub> ▲ Max axial force	N	390							
使用寿命 Service Life	hr	20000(连续运转为10000)							
效率 η Efficiency	%	≥97%							
重量 Weight	kg	0.6							
使用温度 Operating temperature	℃	-10℃ ~ +90℃							
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 <sub>1</sub> =3000rpm, 无负载) Noise Level (N <sub>1</sub> =3000rpm, Non-Loaded)	dB (A)	≤56							
转动惯量 J <sub>1</sub> Rotary inertia	Kg · cm <sup>2</sup>	0.03							

★ Maximum output force 60%

▲ Output rotation speed 100rpm

