



# GABRIEL NB42A

(单位: mm)

NB042A Single Section	D1	D2	D3	D4	D5	D6	D7	L1	L2	L3	L4	L5	L6
	50	3.4	13	35	17.5	M4 × 0.7P	57	42	26	5.5	1	16	2

NB042A Single Section	L7	L8	L9	C1*	C2*	C3*	C4*	C5*	C6*	C7*	C8*	C9*	B1	H1
	4	3.2	10	46	M4 × 0.7P	≤ 14	34	30	6	42	131	11.2	5	15

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

## Reducer Performance Information

节数 Segment number	双节 Double segment														
减速比 Ratio	i	16	20	25	30	35	40	45	50	60	70	80	90	100	
额定输出力矩 T <sub>2N</sub> Rated output torque	Nm	19	18	20	19	18	16	13	20	19	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	≤ 5													
标准背隙 P2 Standard backlash	arcmin	≤ 7													
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	%	≥ 94%													
重量 Weight	kg	0.8													
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

