

# GABRIEL NF140

(单位: mm)

NF140 Single Section	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	L8
	165	11	40	130	75	M16×2P	142	115	30	3	70	5	20	12

## Reducer Performance Information

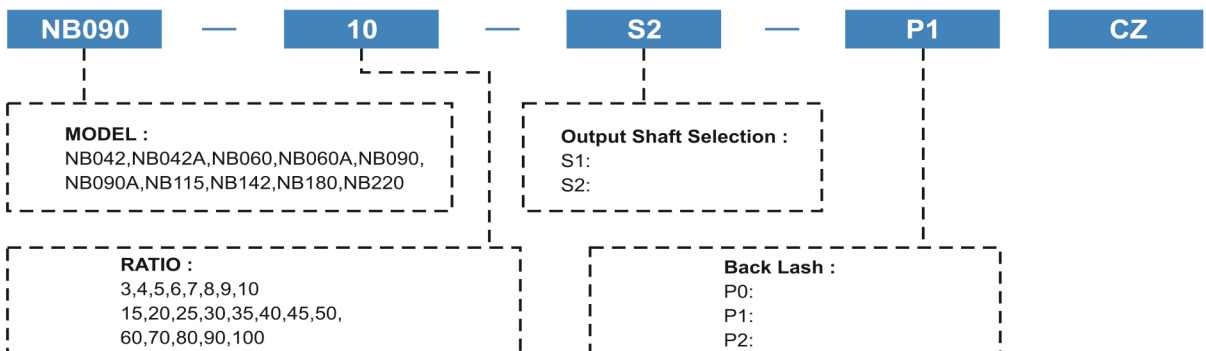
NF140 Single Section	L9	L10	C1*	C2*	C3*	C4*	C5*	C6*	C7*	C8*	C9*	C10*	B1	H1
	36	142	145	M8×1.25P	≤42	80	110	10	130	269	29	39	12	43

\*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	3	4	5	6	7	8	9	10	
额定输出力矩 T <sub>2N</sub> Rated output torque	Nm	320	510	610	570	520	470	420	420	
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	3000								
最大输入转速 n <sub>1B</sub> Max input speed	rpm	6000								
超精密背隙 P0 Ultraprecise backlash	arcmin	≤1								
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	50								
容许径向力 F <sub>2rB</sub> ▲ Maximum bending moment	N	14000								
容许轴向力 F <sub>2aB</sub> ▲ Max. axial Force	N	11400								
使用寿命 Service Life	hr	30000(连续运转为15000)								
效率 η Efficiency	%	≥97%								
重量 Weight	kg	13.7								
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 (n1=3000rpm, 无负载) Noise Level (N1=3000rpm, Non-Loaded)	dB (A)	≤65								
转动惯量 J <sub>1</sub> Rotary inertia	Kg·cm <sup>2</sup>	9.21	7.54	7.42	7.25	7.14	7.07	7.04	7.03	

★ Maximum output force 60%

▲ Output rotation speed 100rpm



**MODEL :**  
NB042, NB042A, NB060, NB060A, NB090, NB090A, NB115, NB142, NB180, NB220

**Output Shaft Selection :**  
S1:  
S2:

**RATIO :**  
3, 4, 5, 6, 7, 8, 9, 10  
15, 20, 25, 30, 35, 40, 45, 50,  
60, 70, 80, 90, 100

**Back Lash :**  
P0:  
P1:  
P2: