

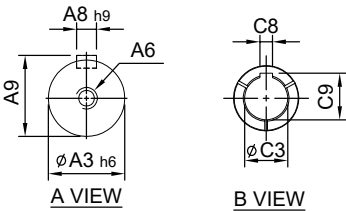
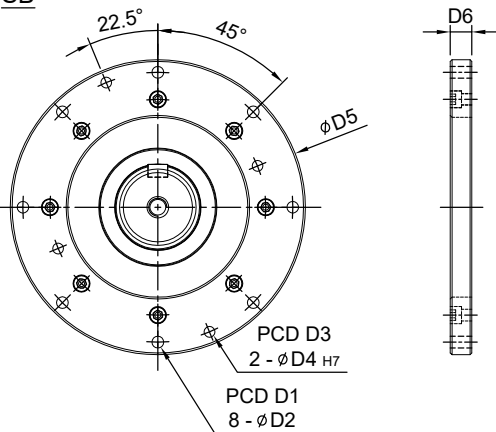
SERVOBOX Planetary Reducers

MODEL:SB-A SE-A

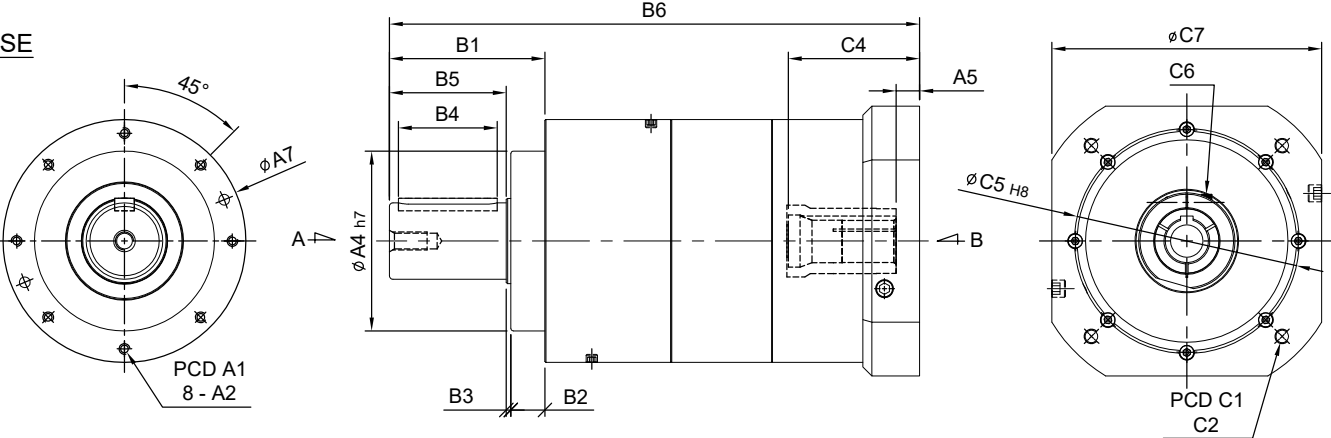
雙段 2-Stage
RATIO : 15, 20, 25, 30, 35,
40, 50, 70, 100



SB



SE



unit: mm		
A	Model	270A
	Code	
	A1	240
	A2	M12 x P1.75
	A3	85
	A4	200
	A5	26 · 23
	A6	M20 x P2.5
	A7	270
B	A8	22
	A9	90
	B1	173
	B2	38
	B3	5
	B4	110
	B5	130
	B6	586.5 · 589.5

unit: mm		
C	Model	270A
	Code	
	C1	265 · 300 · 350
	C2	M12 · M16 · M18
	C3	48 · 55 · 60
	C4	143 · 146 · 149
	C5	230 · 250 · 300
	C6	M12 x P1.75
	C7	280 · 300 · 330
D	C8	14 · 16 · 18
	C9	51.8 · 59.3 · 64.4
	D1	300
	D2	13
	D3	300
	D4	12
	D5	328
	D6	24

High Precision Planetary Reducer

規格 Parameter	代號	單位 Unit	速比 Ratio	270A
額定輸出扭矩 Rated Output Torque (Nominal output torque)	T_{2N}	Nm	15	4,770
			20	4,730
			25	4,680
			30	4,770
			35	4,570
			40	4,730
			50	4,680
			70	4,570
			100	4,420
最大加速扭矩 Max. Acceleration Torque	T_{2B}	Nm	15 ~ 100	1.8 倍額定輸出力矩 1.8 Times of Rated Output Torque
最大輸出扭矩 Max. Output Torque 急停扭矩 Emergency Stop Torque	T_{2NOT}	Nm	15 ~ 100	3 倍額定輸出力矩 3 Times of Rated Output Torque
額定輸入轉速 Rated Input Speed	n_{1N}	rpm	15 ~ 100	2,000
最大輸入轉速 Max. Input Speed	n_{1B}	rpm	15 ~ 100	3,000
背隙 Backlash Ps		arcmin	15 ~ 100	≤ 3
背隙 Backlash P0		arcmin	15 ~ 100	≤ 5
背隙 Backlash P1		arcmin	15 ~ 100	≤ 7
背隙 Backlash P2		arcmin	15 ~ 100	≤ 9
扭轉剛性 Torsional Rigidity		Nm/arcmin	15 ~ 100	510
容許徑向力 Max. Radial Force	F_{2rB}	N	15 ~ 100	107,100
容許軸向力 Max. Axial Force	F_{2aB}	N	15 ~ 100	53,550
使用壽命 Service Life	L_H	hr	15 ~ 100	S5 周期運轉 : >30,000 (S1 連續運轉 : >15,000 hrs) S5 Cycle Operation: >30,000 (S1 Continuous Operation: >15,000 hrs)
效率 Efficiency	η	%	15 ~ 100	$\geq 94\%$
使用溫度 Operating Temperature		°C	15 ~ 100	- 25° C ~ + 90° C
潤滑 Lubrication			15 ~ 100	全合成潤滑油脂 Synthetic Grease
防護等級 Protection Class			15 ~ 100	IP65
安裝方向 Mounting Position			15 ~ 100	任意方向 Any
噪音值 Noise Level		dB	15 ~ 100	≤ 72
重量 Weight $\pm 3\%$		Kg	15 ~ 100	SB : 146 · SE : 136.5

■ 轉動慣量 (kg.cm²) Mass Moments of Inertia

Ratio	270A
15	65.74
20	65.74
25	65.74
30	64.86
35	64.86
40	64.86
50	64.86
70	62.62
100	61.17