

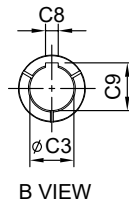
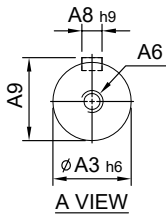
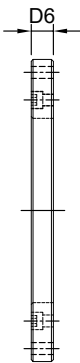
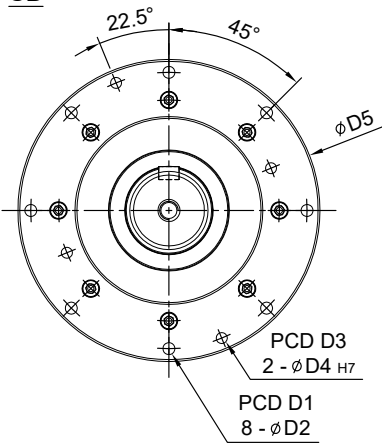
SERVOBOX Planetary Reducers

MODEL : SB SE

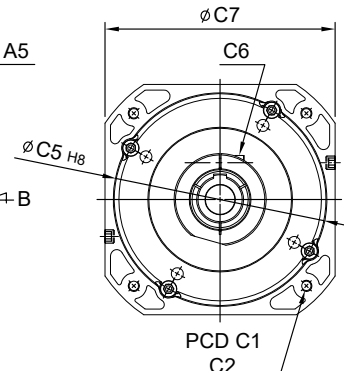
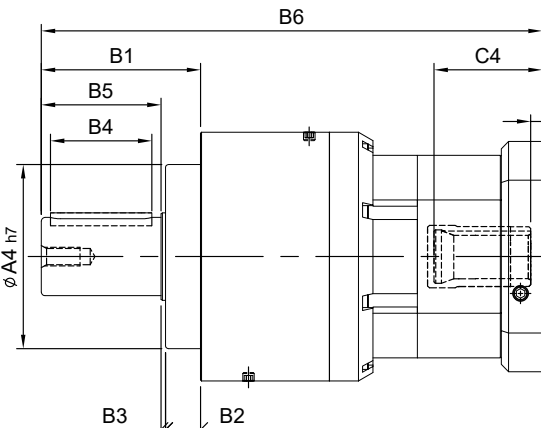
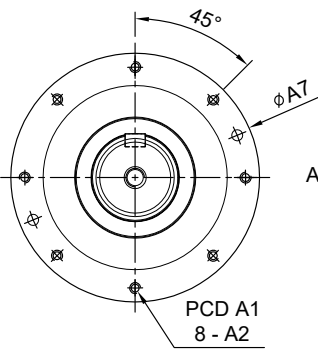
雙段 2-Stage
RATIO : 15, 20, 25, 30, 35,
40, 50, 70, 100



SB



SE

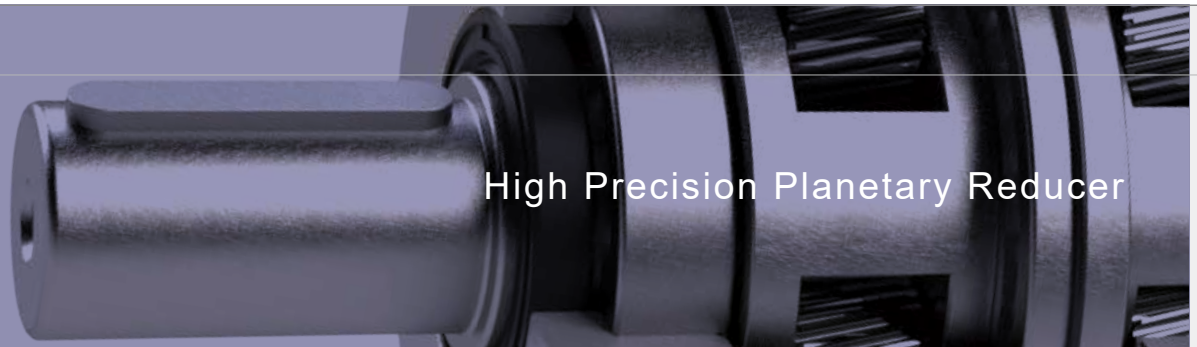


unit: mm

	Model	270	330
	Code		
A	A1	240	300
	A2	M12 x P1.75	M16 x P2.0
	A3	85	100
	A4	200	250
	A5	12.5	26 · 23
	A6	M20 x P2.5	M24 x P3.0
	A7	270	336
	A8	22	28
	A9	90	106
B	B1	173	187
	B2	38	42
	B3	5	5
	B4	110	120
	B5	130	140
	B6	544 · 547	625 · 632.5 · 635.5

unit: mm

	Model	270	330
	Code		
C	C1	200 · 265 · 300	265 · 300 · 350
	C2	M12 · M16	M12 · M16 · M18
	C3	38 · 42 · 48 · 55	48 · 55 · 60 · 65
	C4	117.5 · 120.5	146 · 149
	C5	114.3 · 230 · 250	230 · 250 · 300
	C6	M10 x P1.5	M12 x P1.75
	C7	222 · 250 · 265	280 · 300 · 330
	C8	10 · 12 · 14 · 16	14 · 16 · 18 · 20
	C9	41.3 · 45.3 · 51.8 · 59.3	51.8 · 59.3 · 64.4 · 69.4 · 74.8
D	D1	300	380
	D2	13	17
	D3	300	380
	D4	12	14
	D5	328	416
	D6	24	28



High Precision Planetary Reducer

規格 Parameter	代號	單位 Unit	速比 Ratio	270	330
額定輸出扭矩 Rated Output Torque (Nominal output torque)	T_{2N}	Nm	15	4,770	8,790
			20	4,730	8,730
			25	4,680	8,660
			30	4,770	8,610
			35	4,570	8,520
			40	4,730	8,440
			50	4,680	8,660
			70	4,570	8,520
			100	4,420	8,310
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	2,000
最大輸入轉速 Max. Input Speed	n_{1B}	rpm	15 ~ 100	3,000	3,000
背隙 Backlash Ps		arcmin	15 ~ 100	≤ 3	≤ 3
背隙 Backlash P0		arcmin	15 ~ 100	≤ 5	≤ 5
背隙 Backlash P1		arcmin	15 ~ 100	≤ 7	≤ 7
背隙 Backlash P2		arcmin	15 ~ 100	≤ 9	≤ 9
扭轉剛性 Torsional Rigidity		Nm/arcmin	15 ~ 100	510	980
容許徑向力 Max. Radial Force	F_{2rB}	N	15 ~ 100	107,100	224,910
容許軸向力 Max. Axial Force	F_{2aB}	N	15 ~ 100	53,550	112,455
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	≤ 74
重量 Weight $\pm 3\%$		Kg	15 ~ 100	SB : 137 · SE : 127.5	SB : 186 · SE : 176

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

Ratio	270	330
15	63.81	185.05
20	63.81	185.05
25	63.81	185.05
30	63.25	183.43
35	63.25	183.43
40	63.25	183.43
50	63.25	183.43
70	61.12	177.26
100	60.48	175.39