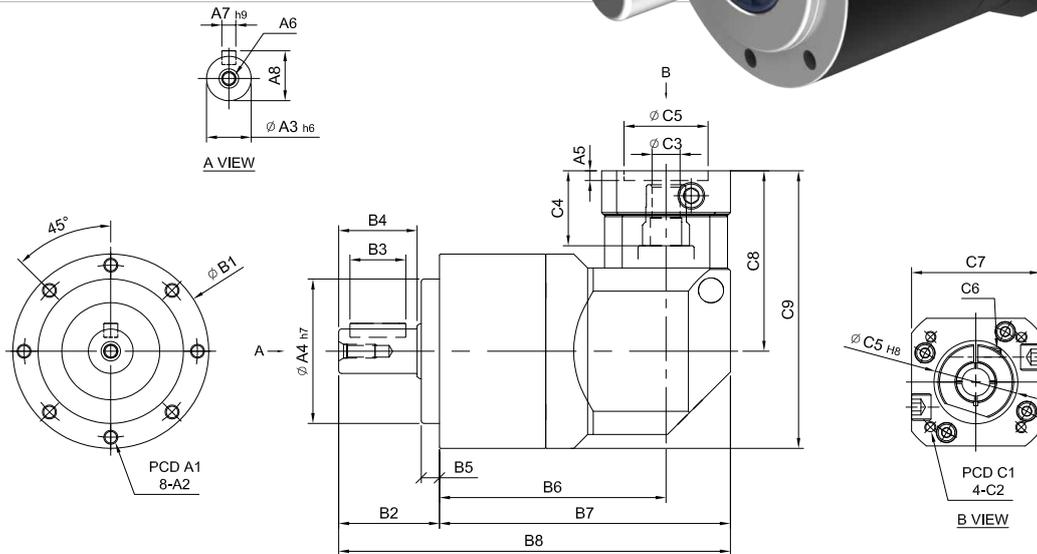
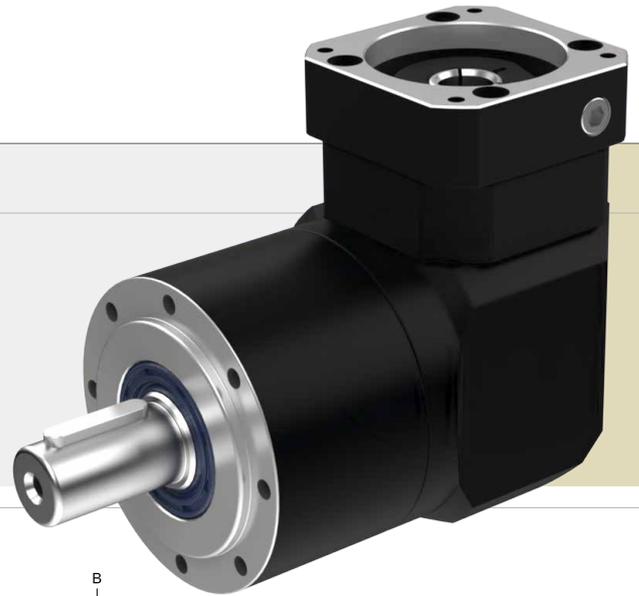


FABGEAR Planetary Reducers

MODEL : SNL

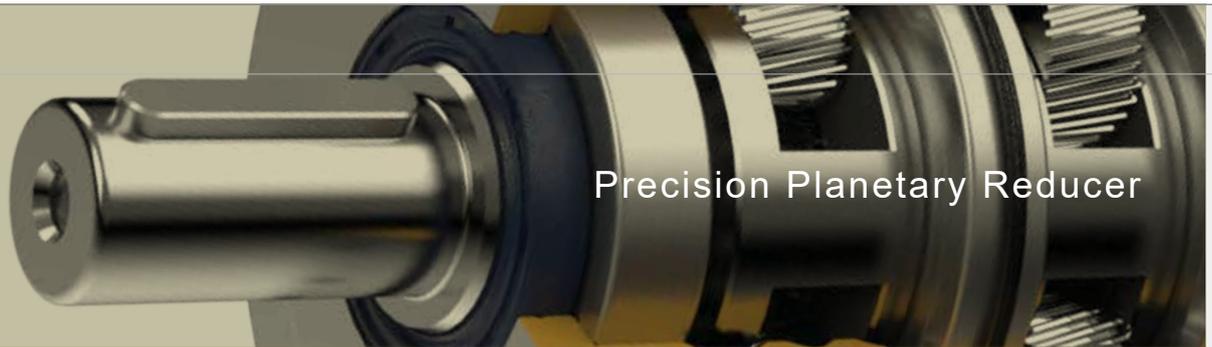
單段 1-Stage

RATIO : 3, 4, 5, 6, 7, 8, 9, 10, 15, 20,
25, 30, 35, 40, 50



unit: mm

Model Code	50	60	70		80		90		120		155	160		
A	A1	44	52	62		70		80		108		140	145	
	A2	M4xP0.7	M5xP0.8	M5xP0.8		M6xP1.0		M6xP1.0		M8xP1.25		M10xP1.5	M12xP1.75	
	A3	12	14	16		20		22		32		40	40	
	A4	35	40	52		60		68		90		120	130	
	A5	6	6	5	3.5	6	7	9	7	9	9 · 23.5	10 · 20	10	10
	A6	M4xP0.7	M4xP0.7	M5xP0.8		M6xP1.0		M8xP1.25		M12xP1.75		M12xP1.75	M12xP1.75	
	A7	4	5	5		6		6		10		12	12	
	A8	13.5	16	18		22.5		24.5		35		43	43	
B	B1	51	60	70		80		90		122		155	160	
	B2	25.5	34	36		40		46		70		88	88	
	B3	15	25	20		28		30		50		65	65	
	B4	20	30	28		36		36		58		78	78	
	B5	4	3	6.5		3		8		9		8	8	
	B6	68.5	72	81		92		95.5		128		180	180	
	B7	90.5	94	104		123.5		127		173		242.5	242.5	
	B8	116	128	140		163.5		173		243		330.5	330.5	
C	C1	46 · 63	46 · 63	70	90	70	90 · 100 · 145	70	90 · 100 · 145	90 · 100 · 145	145 · 165	165 · 200	165 · 200	
	C2	M4 · M5	M4 · M5	M4 · M5	M5 · M6	M4 · M5	M6 · M8	M4 · M5	M6 · M8	M6 · M8	M8 · M10	M10 · M12	M8 · M10 · M12	
	C3	8 · 11	8 · 11	11	14	19	14	19 · 22 · 24	14	19 · 22 · 24	19 · 22 · 24	28 · 32	35 · 38	35 · 38
	C4	26	26	27	32	42	36	53	36	51 · 65.5	51 · 65.5	67 · 77	81.5	81.5
	C5	30 · 40	30 · 40	50	70	50	70 · 80 · 110	50	70 · 80 · 110	70 · 80 · 110	110 · 130	114.3 · 130	114.3 · 130	
	C6	M4xP0.7	M4xP0.7	M4xP0.7	M5xP0.8	M5xP0.8	M6xP1.0	M5xP0.8	M6xP1.0	M6xP1.0	M8xP1.25	M8xP1.25	M8xP1.25	
	C7	46 · 55	46 · 55	60	80	60	92 · 110 · 130	60	92 · 110 · 130	92 · 110 · 130	130 · 150	150 · 180	150 · 180	
	C8	59	59	65	70	80	77	97	77	97	102.5	123.5	168	168
	C9	84.5	89	100	105	115	117	137	122	142	163.5	184.5	248	248



Precision Planetary Reducer

規格 Parameter	代號	單位 Unit	速比 Ratio	50	60	70	80	90	120	155	160
額定輸出扭矩 Rated Output Torque (Nominal output torque)	T_{2N}	Nm	3	17	28	54	112	146	301	553	625
			4	15	38	48	110	144	269	491	555
			5	14	40	45	108	140	278	510	618
			6	17	28	54	112	146	301	553	625
			7	13	35	41	105	128	258	473	573
			8	15	38	48	110	144	269	491	555
			9	17	28	54	112	146	301	553	625
			10	14	40	45	108	140	278	510	618
			15	14	40	45	108	140	278	510	618
			20	14	40	45	108	140	278	510	618
			25	14	40	45	108	140	278	510	618
			30	12	25	40	100	123	246	452	549
			35	13	35	41	105	128	258	473	573
			40	12	25	40	100	123	246	452	549
50	12	25	40	100	123	246	452	549			
最大加速扭矩 Max. Acceleration Torque	T_{2B}	Nm	3 ~ 50	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	3 ~ 50	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	3 ~ 50	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
最大輸入轉速 Max. Input Speed	n_{1B}	rpm	3 ~ 50	6,000	6,000	6,000	6,000	6,000	6,000	5,000	5,000
背隙 Backlash		arcmin	3 ~ 50	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10
扭轉剛性 Torsional Rigidity		Nm/arcmin	3 ~ 50	3	4	5	12	14	27	49	60
容許徑向力 Max. Radial Force	F_{2rB}	N	3 ~ 50	670	1,030	1,760	2,350	2,920	6,100	8,830	9,200
容許軸向力 Max. Axial Force	F_{2aB}	N	3 ~ 50	335	515	880	1,175	1,460	3,050	4,415	4,600
使用壽命 Service Life	L_H	hr	3 ~ 50	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	%	3 ~ 50	≥ 94%							
使用溫度 Operating Temperature		°C	3 ~ 50	- 25° C ~ + 90° C							
潤滑 Lubrication			3 ~ 50	全合成潤滑油脂 Synthetic Grease							
防護等級 Protection Class			3 ~ 50	IP65							
安裝方向 Mounting Position			3 ~ 50	任意方向 Any							
噪音值 Noise Level		dB	3 ~ 50	≤ 65	≤ 66	≤ 68	≤ 70	≤ 71	≤ 72	≤ 74	≤ 74
重量 Weight ±2%		Kg	3 ~ 50	1.0	1.3	1.9	3	3.6	8.6	22	23

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

Ratio	50	60	70	80	90	120	155	160
3~50	0.09	0.11	0.83	1.19	1.37	5.49	20.32	25.76