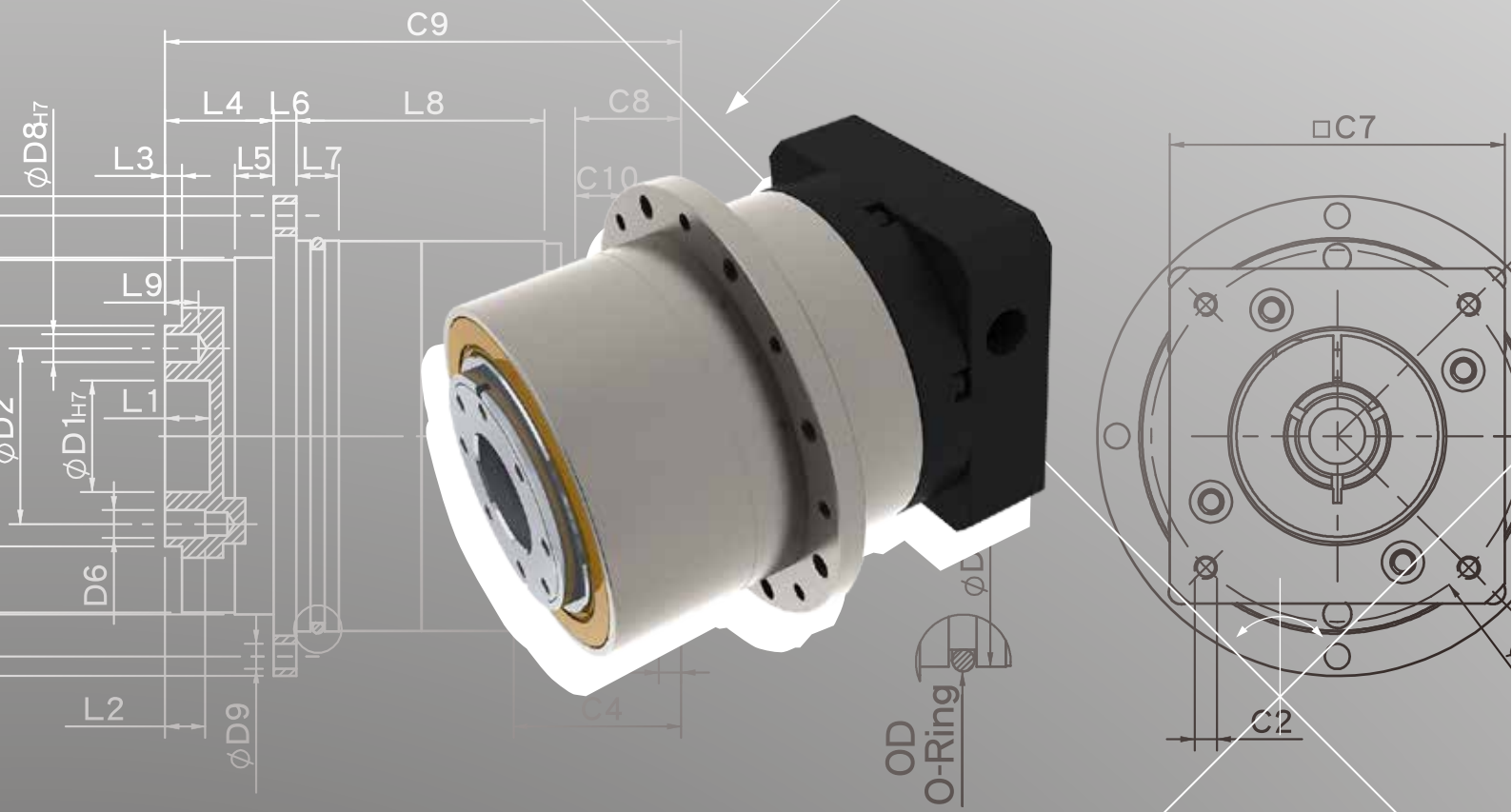
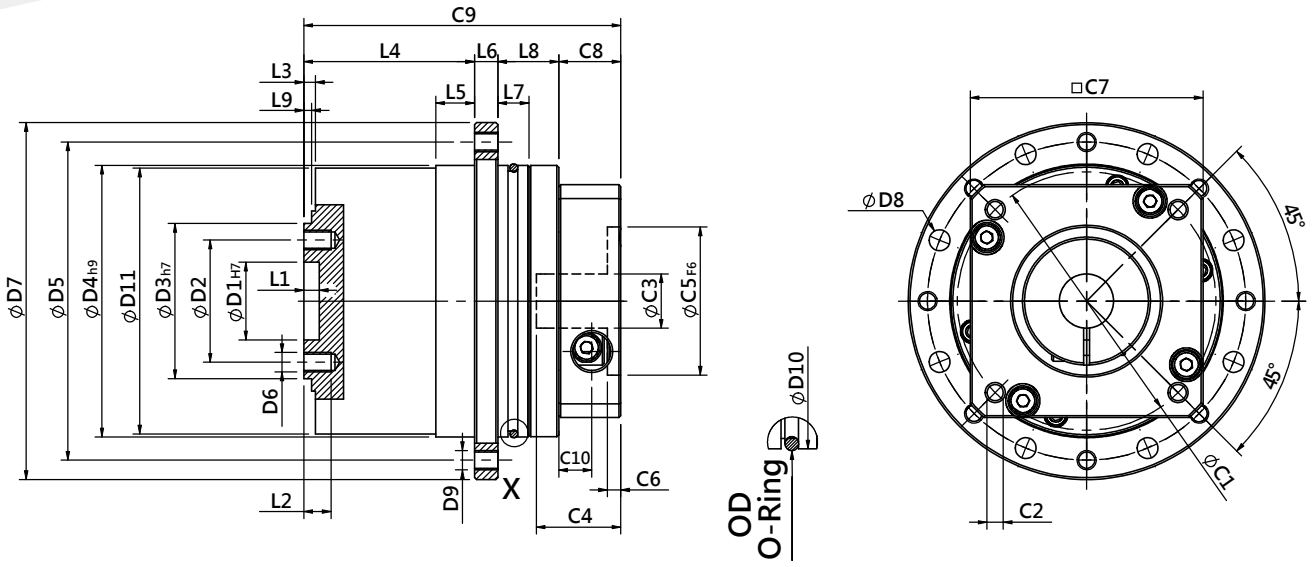
PGV SERIES


C9
L4
L6
L8
C8
C10
L3
L5
L7
ØD8H7
L9
L1
ØD2
ØD1H7
D6
L2
ØD9
C4
ØD
OD
O-Ring
□C7
C2

PGV Single Stage Dimens. PGV單段外型尺寸圖



Specifications 規格

Unit:mm

尺寸 Dimensions	PGV60	PGV90	PGV115
D1 H7	20	31.5	40
D2	31.5	50	63
D3 h7	40	63	80
D4 h9	70	94	120
D5	82	108	142
D6	M5x0.8P	M6x1.0P	M6x1.0P
D7	92	120	158
D8	5.4	6.6	9
D9	M5x0.8P	M6x1.0P	M8x1.25P
D10	70	95	120
D11	69.9	93.9	119.9
L1	4	6	6.5
L2	7	10	12
L3	3	6	6.5
L4	44	59.5	80
L5	10	15	21
L6	6	8	10
L7	8	-	-
L8	15.7	22.9	18
L9	2	5	5.5
C1 [2]	66.67	90	115
C2 [2]	M5x0.8P	M6x1.0P	M8x1.25P
C3 [2]	≦11/≦14/≦19	≦14/≦19/≦24	≦19/≦24/≦38
C4 [2]	21.8	41.3	42.9
C5 [2] F6	38.15	70	95
C6 [2]	3.5	6	6
C7 [2]	60	90	115
C8 [2]	16	26	30
C9 [2]	81.7	116.4	138
C10 [2]	8.5	11.3	13.8
OD	66x2	-	-

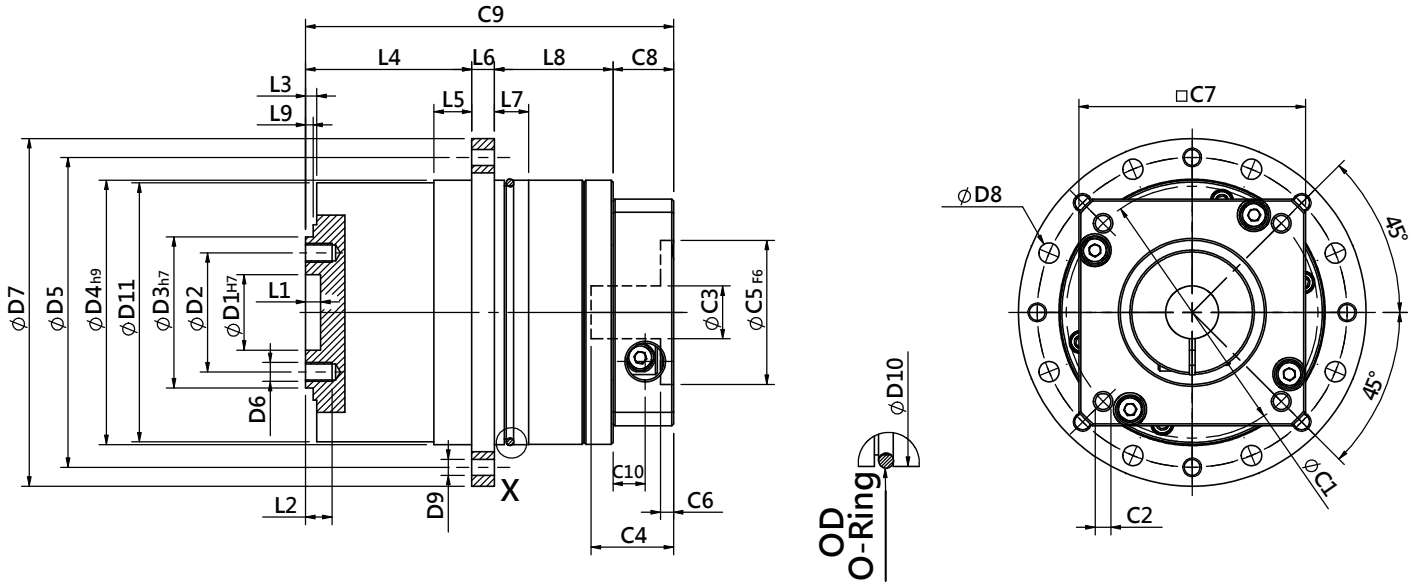
★ C1~C10 是公製標準馬達連接板尺寸,請依所選用的馬達決定.

★ 本公司有權針對以上數據規格逕行設計變更不先行告知.

★ C1~C10 are motor specific dimensions(metric std shown). Size may vary according to motor flange.

★ Specification subject to change without notice.

PGV Double Stage Dimens.-1 PGV雙段外型尺寸圖-1



Specifications 規格

Unit:mm

尺寸 Dimensions	PGV60	PGV90	PGV115
D1 H7	20	31.5	40
D2	31.5	50	63
D3 h7	40	63	80
D4 h9	70	94	120
D5	82	108	142
D6	M5x0.8P	M6x1.0P	M6x1.0P
D7	92	120	158
D8	5.4	6.6	9
D9	M5x0.8P	M6x1.0P	M8x1.25P
D10	70	95	120
D11	69.9	93.9	119.9
L1	4	6	6.5
L2	7	10	12
L3	3	6	6.5
L4	44	59.5	80
L5	10	15	21
L6	6	8	10
L7	9	7.7	10
L8	31.4	42.7	45.8
L9	2	5	5.5
C1 [2]	66.67	90	115
C2 [2]	M5x0.8P	M6x1.0P	M8x1.25P
C3 [2]	≦11/≦14/≦19	≦14/≦19/≦24	≦19/≦24/≦38
C4 [2]	21.8	41.3	42.9
C5 [2] F6	38.15	70	95
C6 [2]	3.5	6	6
C7 [2]	60	90	115
C8 [2]	16	26	30
C9 [2]	97.4	136.2	165.8
C10 [2]	8.5	11.3	13.8
OD	66x2	86x3	110x3

★ C1~C10是公製標準馬達連接板尺寸,請依所選用的馬達決定.

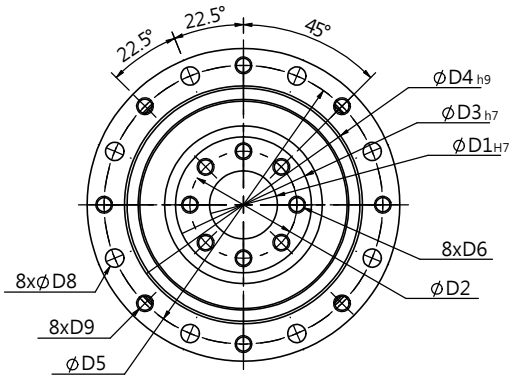
★ 本公司有權針對以上數據規格逕行設計變更不先行告知.

★ C1~C10 are motor specific dimensions(metric std shown). Size may vary according to the motor flange.

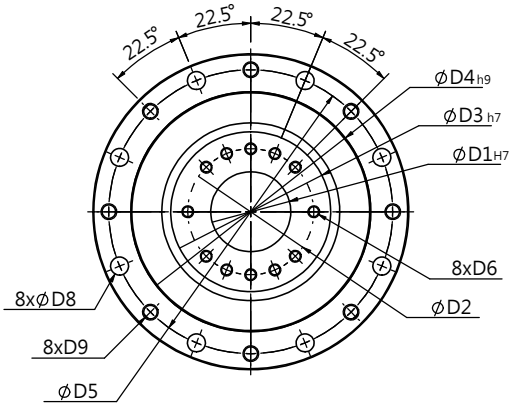
★ Specification subject to change without notice.

PGV Flange Dimensions PGV法蘭面尺寸圖

PGV60
PGV90



PGV115



Specifications 規格

Unit:mm

尺寸 Dimensions	PGV60	PGV90	PGV115
D1 H7	20	31.5	40
D2	31.5	50	63
D3 h7	40	63	80
D4 h9	**70**	94	120
D5	**82**	108	142
D6	M5x0.8P	M6x1.0P	M6x1.0P
D8	5.4	6.6	9
D9	**M5x0.8P**	**M6x1.0P**	**M8x1.25P**

★ 本公司有權針對以上數據規格逕行設計變更不先行告知.　★ Specification subject to change without notice.

PGV Specifications Table PGV性能規格共表

規格 Specification		節數 Stage	減速比 Ratio	PGV-60	PGV-90	PGV-115
額定輸出力矩 T_{2N} Nominal Output Torque	N • m	1	3	41	110	250
			4	44	120	270
			5	45	120	280
			7	38	100	260
			8	35	95	240
			10	32	95	210
		節數 Stage	減速比 Ratio	PGV-60	PGV-90	PGV-115
		2	9	41	110	250
			12	44	120	270
			15	45	120	280
			16	44	120	270
			20	44	120	270
			25	45	120	280
			30	41	110	280
			35	45	120	280
			40	44	120	270
			50	45	120	280
			64	35	95	240
			70	38	100	260
			100	32	85	210
急停力矩 T_{2NOT} Emergency Stop Torque	N • m	2.5倍額定輸出力矩 (2.5 Times of Nominal Output Torque) * 最大輸出力矩 Max. Output Torque T_{2B}=60% of Emergency Stop Torque)				
啟動力矩 Starting Torque	N • m	1 2	3-10 9-100	0.11 0.09	0.3 0.25	0.55 0.5
額定輸入轉速 n_{1N} Nominal Input Speed	rpm	1,2	3-100	4500	4000	3500
最大輸入轉速 n_{1max} Max. Input Speed	rpm	1,2	3-100	7500	7000	6500
標準背隙 Standard Backlash P2	arcmin	1 2	3-10 9-100	≦9 ≦12	≦8 ≦10	≦7 ≦9
扭轉剛性 Torsional Rigidity	N • m /arcmin	1,2	3-100	8	22	55
容許徑向力 F_{2rB}[1] Max. Radial Load	N	1,2	3-100	3300	5300	7100
容許軸向力 F_{2aB}[1] Max. Axial Load	N	1,2	3-100	3120	5000	7000
容許彎曲力矩 M_{2KB}[1] Max. Bending Moment	N • m	1,2	3-100	110	220	350
使用溫度 Operating Temp.	℃	1,2	3-100	-10℃ ~ +90℃		
使用壽命 Service Life	hr	1,2	3-100	30,000 (15,000 連續運轉 Continuous Operation)		
效率 Efficiency	%	1 2	3-10 9-100	≧ 97% ≧ 94%		
重量 Weight	kg	1 2	3-10 9-100	1.8 2.2	4.3 5.3	8.6 10.6
安裝方向 Mounting Position	-	1,2	3-100	任意方向 Any Direction		
噪音值 Noise Level [2]	dBA/1m	1,2	3-100	58	60	63
防護等級 Protection Class	-	1,2	3-100	IP65 (at the Output Side)		
潤滑 Lubrication	-	1,2	3-100	全合成潤滑油脂 Synthetic Lubricant		

減速機轉動慣量 Inertia (J1)

節數 Stage	減速比 Ratio	單位 unit	PGV-60			PGV-90			PGV-115	
			(φ19)	(φ14)	(φ11)	(φ24)	(φ19)	(φ14)	(φ24)	(φ19)
1	3	Kg • cm^2	0.46	0.23	0.23	0.77	0.77	0.33	2.2	1.87
	4		0.42	0.21	0.21	0.67	0.67	0.23	1.51	1.18
	5~8, 10		0.42	0.21	0.21	0.61	0.61	0.21	1.26	0.93
節數 Stage	減速比 Ratio		PGV-60			PGV-90			PGV-115	
			(φ19)	(φ14)	(φ11)	(φ24)	(φ19)	(φ14)	(φ24)	(φ19)
2	9, 12 15		0.46	0.23	0.23	0.77	0.77	0.33	2.2	1.87
	其他比數 Other ratios		0.42	0.21	0.21	0.67	0.67	0.23	1.51	1.18

*1. 輸出轉速100rpm時，作用於輸出軸中心位置。Applied to the output shaft center @100 rpm.

*2. 3000rpm空載量測。Measured at 3000 rpm with no load. These values are measured by gearbox with ratio = 10 (1-stage) or ratio = 100 (2-stage) at nominal input speed or 3000 rpm (if nominal input speed is higher than 3000 rpm) with no load.

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Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.
產品因人為原因或天災等因素導致不良或損壞，不在保固範圍內。