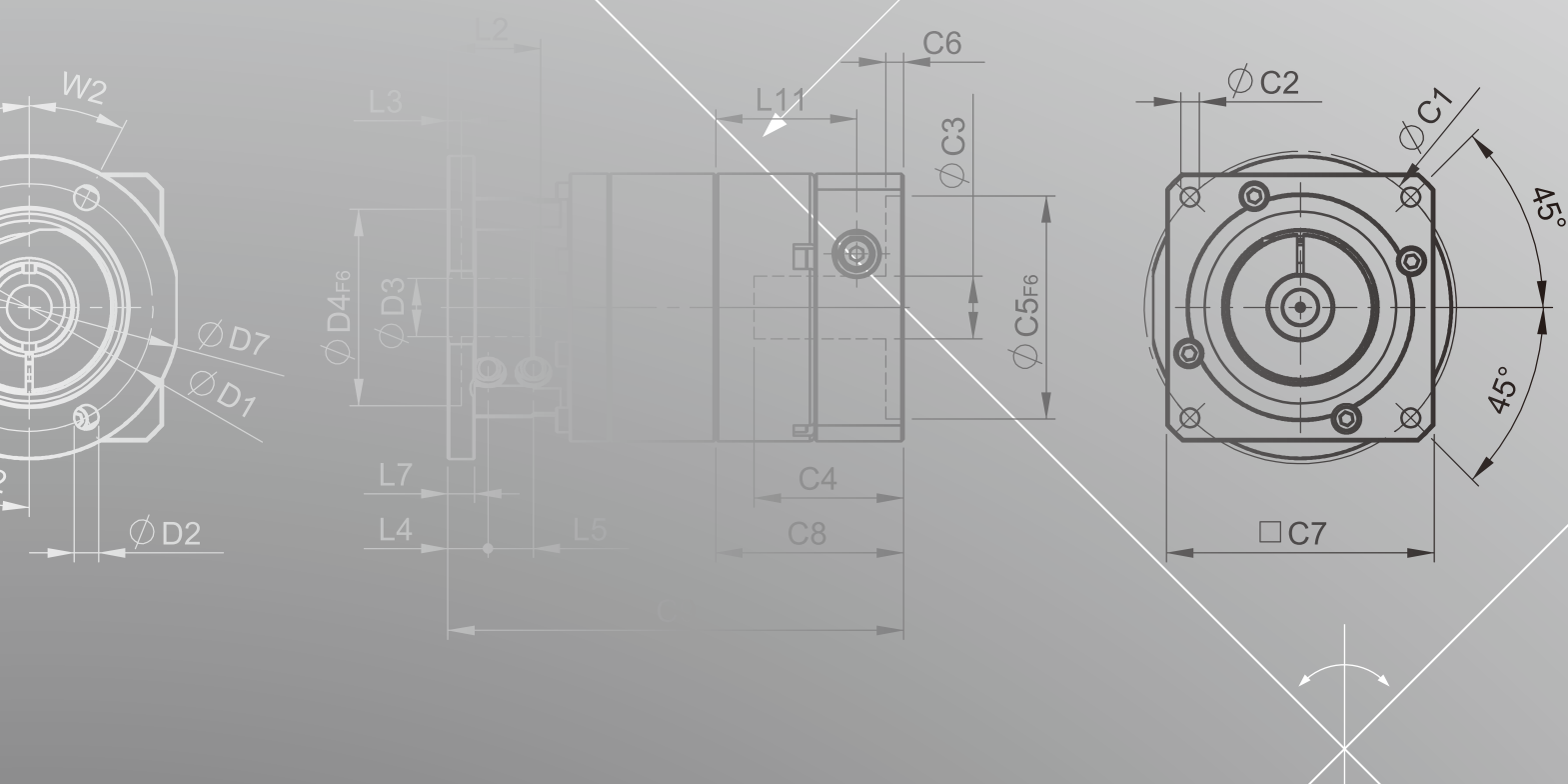
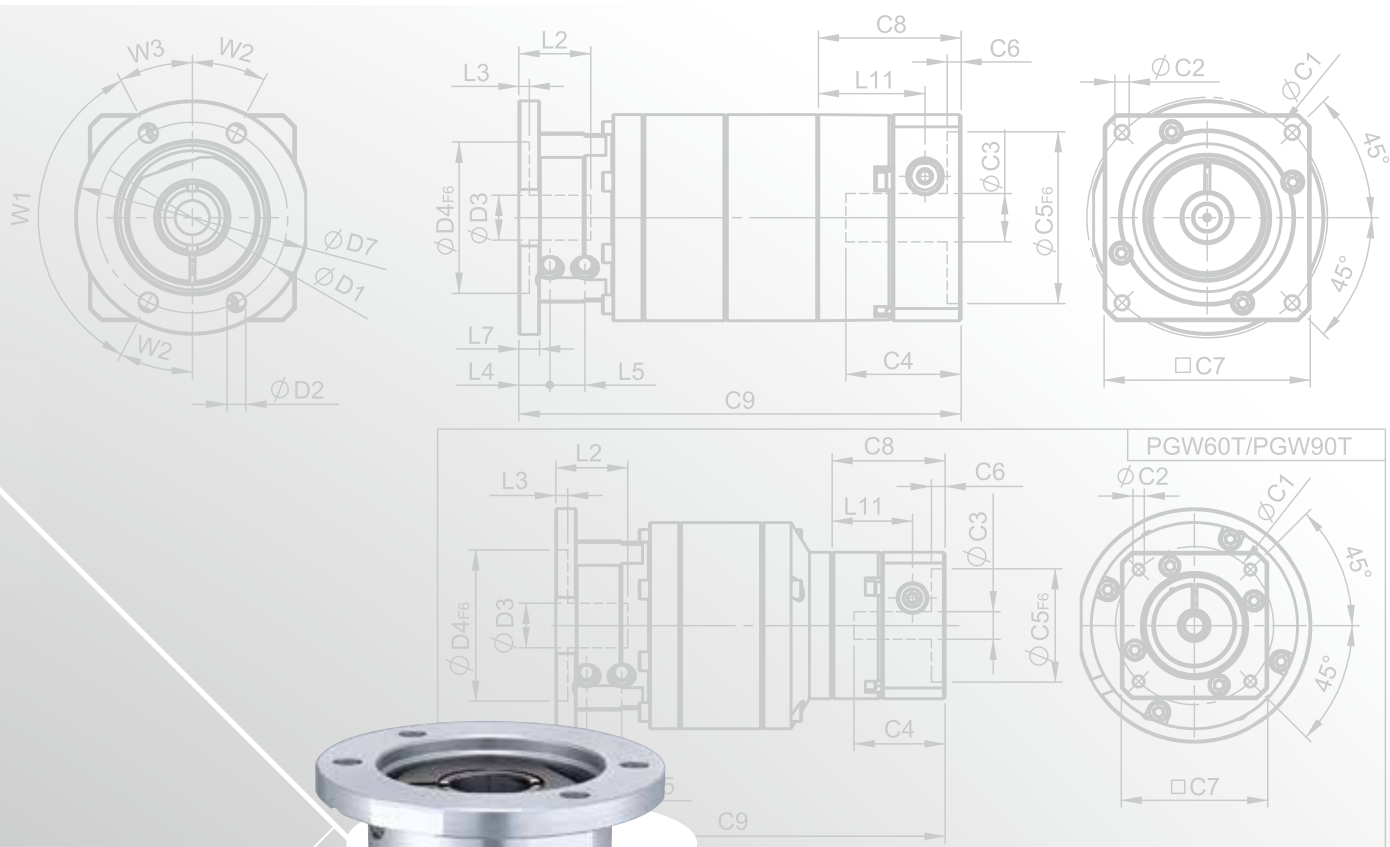
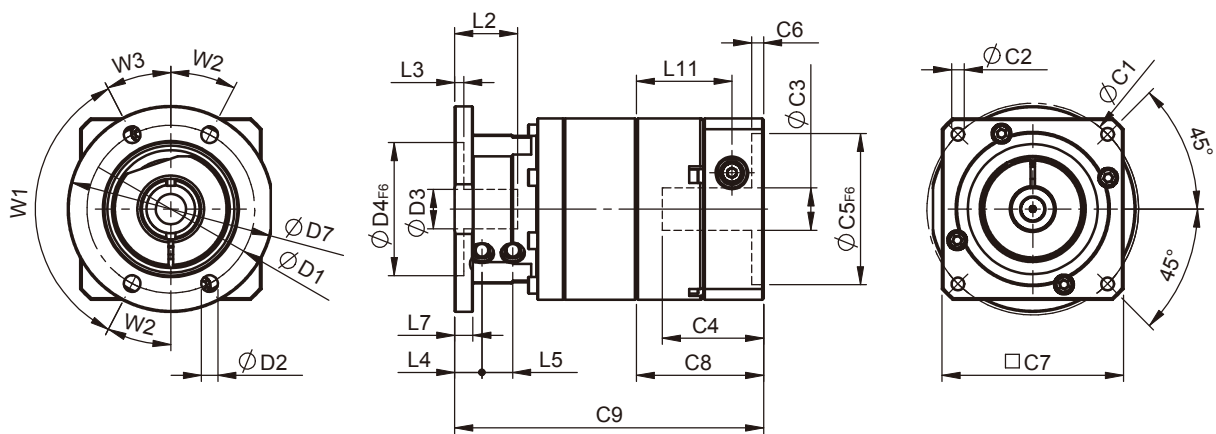


# PGW SERIES





## PGW Single Stage Dimensions



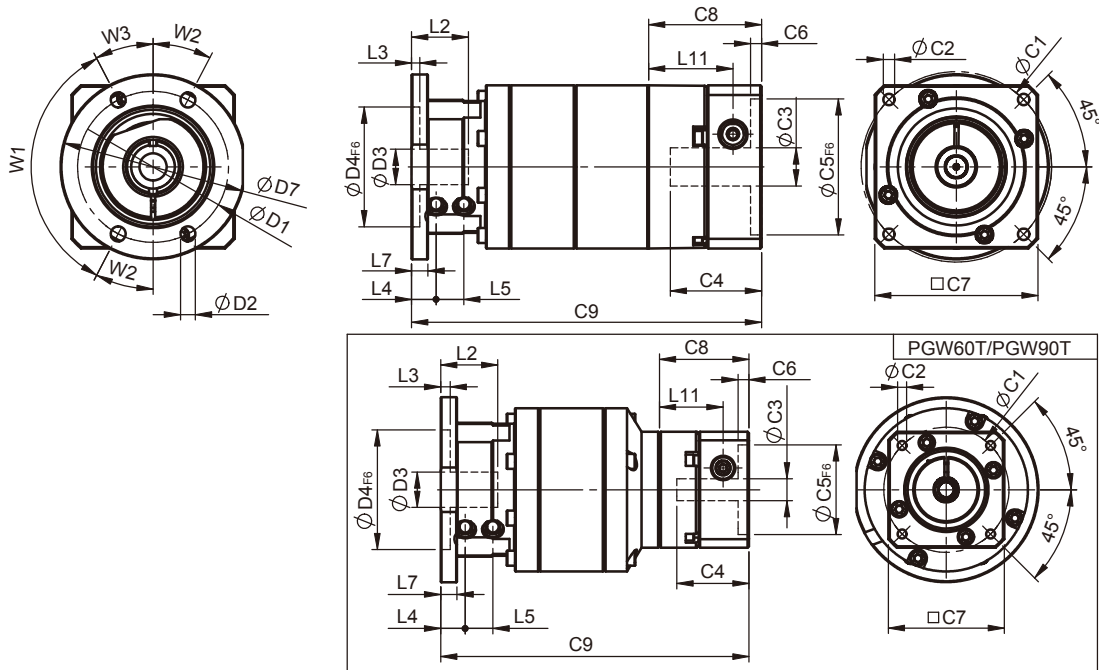
## Specifications

Unit:mm

Dimensions	PGW60	PGW90
D1	55.5	73
D2	5.5	5.5
D3 <sub>h6</sub>	16	20
D4 <sub>g6</sub>	44	60
D7	70	84
L2	31	31
L3	3.5	3.5
L4	9	10.2
L5	10.2	10.9
L7	6	6
L11	31.6	37.3
W1	125°	90°
W2	27.5°	22.5°
W3	27.5°	67.5°
C1 <sup>2</sup>	70	90
C2 <sup>2</sup>	M5x0.8P	M6x1.0P
C3 <sup>2</sup>	≤14/≤19	≤19/≤24/≤28
C4 <sup>2</sup>	33.5	41
C5 <sup>2</sup> <sub>F6</sub>	50	70
C6 <sup>2</sup>	4	6
C7 <sup>2</sup>	60	90
C8 <sup>2</sup>	42.1	51.5
C9 <sup>2</sup>	102.2	126.5

★ C1~C9 are motor specific dimensions (metric std shown). Size may vary according to motor flange.  
★ Specification subject to change without notice.

## PGW Double Stage Dimensions



## Specifications

Unit:mm

Dimensions	PGW60	PGW60T	PGW90	PGW90T
D1	55.5		73	
D2	5.5		5.5	
D3 <sub>h6</sub>	16		20	
D4 <sub>g6</sub>	44		60	
D7	70		84	
L2	31		31	
L3	3.5		3.5	
L4	9		10.2	
L5	10.2		10.9	
L7	6		6	
L11	31	23.4	37.3	31
W1	125°		90°	
W2	27.5°		22.5°	
W3	27.5°		67.5°	
C1 <sup>2</sup>	70	46	90	70
C2 <sup>2</sup>	M5x0.8P	M4x0.7P	M6x1.0P	M5x0.8P
C3 <sup>2</sup>	≤14/≤19	≤8/≤11	≤19/≤24/≤28	≤14/≤19
C4 <sup>2</sup>	33.5	26.5	41	33.5
C5 <sup>2</sup> <sub>F6</sub>	50	30	70	50
C6 <sup>2</sup>	4	4	6	4
C7 <sup>2</sup>	60	42.6	90	60
C8 <sup>2</sup>	41.5	32.9	51.5	41.5
C9 <sup>2</sup>	128.6	113.3	160.3	145.8

★ C1~C9 are motor specific dimensions (metric std shown). Size may vary according to motor flange.  
★ Specification subject to change without notice.

## PGW Specifications Table

Specifications		Stage	Ratio	PGW-60	PGW-90	PGW-115
	N · m	1	3	28	85	200
			4	32	80	215
			5	35	95	215
			7	28	85	200
			9	23	75	195
			10	21	65	180
		Stage	Ratio	PGW-60/PGW-60T	PGW-90/PGW-90T	PGW-115T
		2	15	35/24	95/68	168
			20	35/31	95/95	215
			25	35/30	95/95	215
			35	35/28	95/95	215
			45	35/27	95/92	215
			50	35/27	95/82	205
			70	28/28	85/85	200
			90	23/23	75/75	195
			100	21/21	65/65	180
		Stage	Ratio	PGW-60T	PGW-90T	PGW-115T
		3	125	35	95	215
			175	35	95	215
			225	35	95	215
			245	35	95	215
			315	35	95	215
			405	35	95	215
			567	28	85	200
			729	23	75	195
		1000	21	65	180	
Emergency Stop Torque T <sub>2NOT</sub>	N · m	(2.5 times of Nominal Output Torque) ( * Max. Output Torque T <sub>2B</sub> =60% of Emergency Stop Torque)				
Nominal Input Speed n <sub>1N</sub>	rpm	1,2,3	3-1000	4000	3000	2500
Max. Input Speed n <sub>1max</sub>	rpm	1,2,3	3-1000	6000	6000	5000
Standard Backlash P2	arcmin	1	3-10	≤ 8	≤ 7	≤ 6
		2	15-100	≤10	≤ 9	≤ 8
		3	125~1000	≤12	≤12	≤12
Operating Temp.	°C	1,2,3	3-1000	-10°C ~ +90°C		
Service Life	hr	1,2,3	3-1000	20,000 (10,000 Continuous operation)		
Efficiency	%	1	3-10	≥ 95%		
		2	15-100	≥ 90%		
		3	125~1000	≥ 85%		
Weight	kg	1	3-10	1.2	2.9	6.4
		2	15-100	1.6/1.4	4.3/3.2	8.0
		3	125~1000	1.8	4.6	9.4
Mounting Position	-	1,2,3	3-1000	Any direction		
Noise Level <sup>2</sup>	dBA/1m	1,2,3	3-1000	63	66	67
Protection Class	-	1,2,3	3-1000	IP65		
Lubrication	-	1,2,3	3-1000	Synthetic Lubricant		
Inertia (J1)						
Stage	Ratio	unit		PGW-60(ψ14)	PGW-90(ψ19)	PGW-115(ψ24)
1	3	Kg · cm <sup>2</sup>		0.23	0.77	2.30
	4			0.21	0.67	1.92
	5~10			0.21	0.61	1.71
Stage	Ratio			PGW-60(ψ14)/ -60T(ψ8)	PGW-90(ψ19) / -90T(ψ14)	PGW-115T(ψ19)
2	15			0.23/(0.04)	0.77/(0.23)	0.77
	Other ratios			0.21/(0.03)	0.61/(0.21)	0.61
Stage	Ratio			PGW-60T(ψ8)	PGW-90T(ψ14)	PGW-115T(ψ19)
3	All ratios			0.03	0.21	0.61

\* 1. Applied to the output shaft center at 100 rpm.

\* 2. 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.

※ The above figures/specifications are subject to change without prior notice.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.