



DHG

諧波減速機

機種型號表示 Indication of Model Numbers

DHG	17	A	C	100	L	MOTOR
減速機機型 Type	型號 Model	樣式 Style	入力樣式 Input Style	速比 Ratio	軸向 Shaft Direction	馬達型號 Motor Type
DHG	14 17 20 25 32 40 45	A: 組合式 Unit Type O: 入力中空軸 Hollow Input Shaft S: 入力軸式 Input Shaft Type	C: 入力迫緊 Input Collet K: 入力鍵槽 Input Keyway O: 入力中空軸 Hollow Input Shaft ----- 入力形式 A 可以選擇 樣式 Input style is optional for style A.	1/50 1/80 1/100 1/120 1/160(僅40#) ----- 型號 Model 14# 速比 Ratio 1/50 1/80 1/100	L: 左軸 Left Shaft R: 右軸 Right Shaft ----- 出力形式 O 可以 選擇軸向 Shaft direction is optional for style type O.	

DHG □ -AC- □

AC

- 組合式 - 入力迫緊
Unit Type - Input Collet



DHG □ -O- □

O

- 入力中空軸 Hollow Input Shaft



DHG □ -AK- □

AK

- 組合式 - 入力鍵槽
Unit Type - Input Keyway



DHG □ -S- □

S

- 入力軸式 Input Shaft Type



DHG □ -AO- □

AO

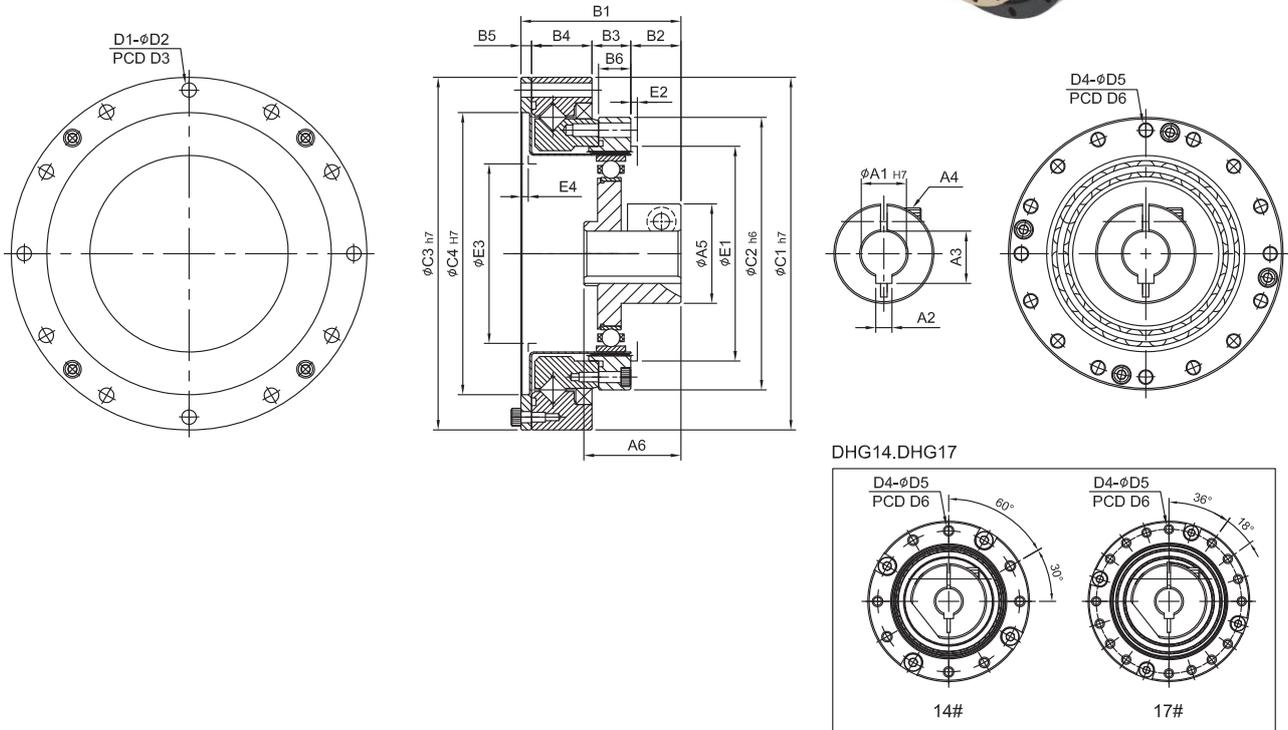
- 組合式 - 入力中空軸
Unit Type - Hollow Input Shaft



DHG 產品特性 Characteristic of DHG

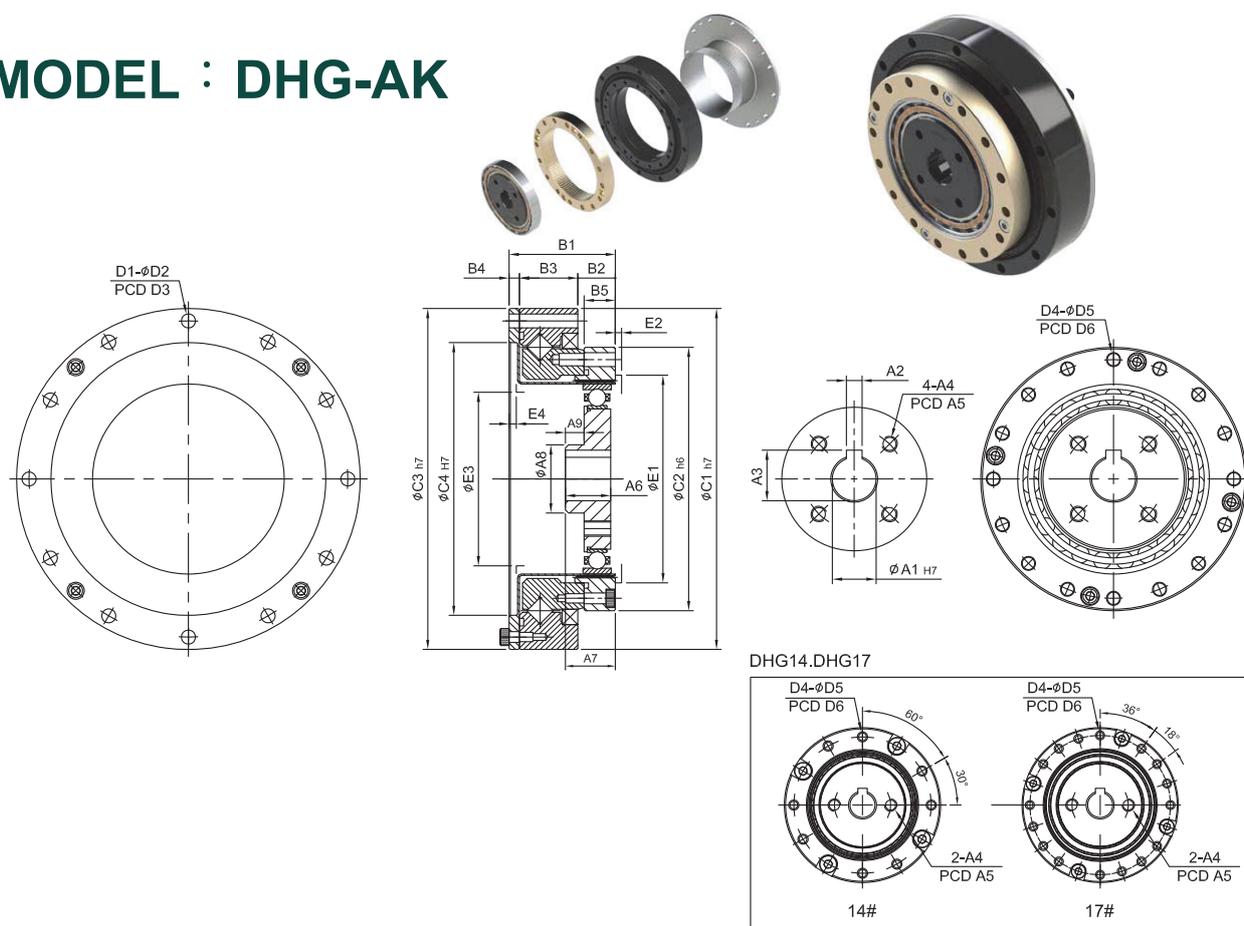
規格 Model No.	單位 Unit	減速比 Ratio	14	17	20	25	32	40	45
額定輸出扭矩 Nominal Output Torque	Nm	50	7	20	30	45	90	140	180
		80	9	27	40	72	138	209	317
		100	9	29	47	77	160	261	358
		120	-	29	47	77	160	298	408
		160	-	-	-	-	-	298	-
平均負載最大轉矩 Max. Output Torque	Nm	50	9	32	40	64	127	200	270
		80	13	33	55	99	195	288	395
		100	13	48	58	123	253	377	507
		120	-	48	58	123	253	457	629
		160	-	-	-	-	-	457	-
起動停止峰值轉矩 Permissible Peak Torque for Start and Stop	Nm	50	21	42	66	112	225	350	450
		80	27	53	86	157	316	452	633
		100	32	67	96	180	346	494	677
		120	-	67	102	191	367	537	738
		160	-	-	-	-	-	566	-
瞬間容許最大轉矩 Permissible Maximum Momentary Torque	Nm	50	41	81	113	214	440	789	1093
		80	53	98	146	294	653	1125	1461
		100	56	109	169	327	744	1240	1806
		120	-	98	169	350	764	1345	2024
		160	-	-	-	-	-	1345	-
起動轉矩 Starting Torque	cNm	50	11	30	40	58	86	140	165
		80	10	28	36	56	80	130	150
		100	9	26	34	52	73	120	140
		120	-	24	30	48	68	110	125
		160	-	-	-	-	-	105	-
增速起動轉矩 Output Starting Torque	Nm	50	2.5	3.5	4.5	8.5	18	32	43
		80	2.7	3.8	5	9	19	35	45
		100	2.8	4.2	5.5	9.5	21	37	48
		120	-	4.5	6	10	23	42	55
		160	-	-	-	-	-	47	-
無負載運轉力矩 No-load Running Torque	cNm	50	4	6	8	15	30	53	70
		80	3	4	5.5	10	22	38	50
		100	2.5	3.5	5	9	20	33	45
		120	-	3.2	4.5	8	16	30	40
		160	-	-	-	-	-	27	-
額定輸入轉速 Nominal Input Speed	rpm	50~160	2,000	2,000	2,000	2,000	2,000	2,000	2,000
最大輸入轉速 Max. Input Speed	rpm	50~160	6,000	6,000	5,000	5,000	5,000	4,000	4,000
慣性力矩 Reducer Inertia	lx10-4kgm ²	50~160	0.04	0.08	0.2	0.4	1.7	4.5	8.8
效率 Efficiency	%	50	70	73	73	73	75	75	75
		80	68	70	72	72	74	74	74
		100	64	66	70	70	72	72	72
		120	-	64	68	68	70	70	70
		160	-	-	-	-	-	65	-
使用溫度 Operating Temperature	°C	50~160	環境 Environment -10°C ~ +70°C / 最大工作溫度 Max. Working Temperature 90°C						
潤滑 Lubrication		50~160	潤滑油脂 Synthetic Grease						
噪音值 Noise Level	dB	50~160	56	58	60	62	64	66	68

MODEL : DHG-AC



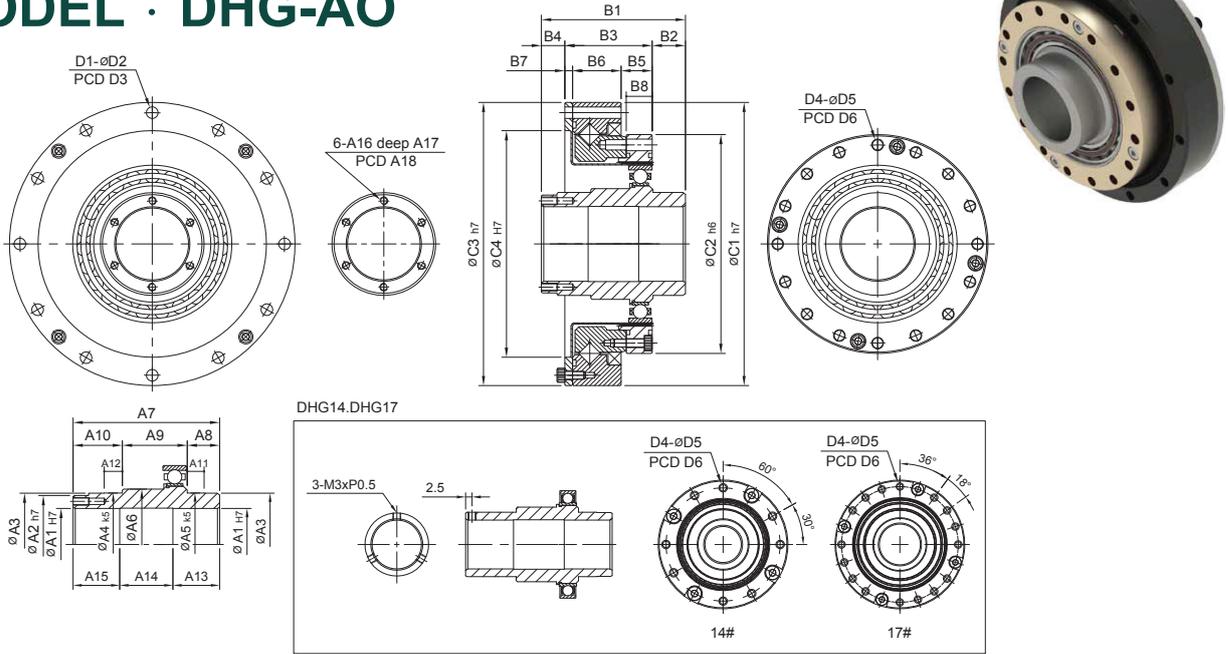
Code \ Model	14	17	20	25	32	40	45
A1	8	8	8、11、14	14	14、19	19	19
A2	3	3	3、4、5	5	5、6	6	6
A3	9.4	9.4	9.4、12.7、16.3	16.3	16.3、21.8	21.8	21.8
A4	M4xP0.7	M4xP0.7	M4xP0.7、M5xP0.8	M5xP0.8	M5xP0.8	M5xP0.8	M5xP0.8
A5	23.5	23.5	23.5、26.5、31	31	34、38	38	38
A6	22	23	25.5、27.5	30	32.5	36.5	38.5
B1	36	39.5	42.5、44.5	49.5	58	67	73
B2	12.5	13	13.5、15.5	15.5	16	16	16.5
B3	7	7.5	8.5	12	15	18	20
B4	14.1	16	17.5	18.7	23.4	29	32
B5	2.4	3	3	3.3	3.6	4	4.5
B6	6	6.5	7.5	10	14	17	19
C1	70	80	90	110	142	170	190
C2	50	60	70	85	110	135	155
C3	70	80	90	110	142	170	190
C4	48	60	70	88	114	140	158
D1	8	12	12	12	12	12	18
D2	3.5	3.5	3.5	4.5	5.5	6.5	6.5
D3	64	74	84	102	132	158	180
D4	8	16	16	16	16	16	12
D5	3.3 M3xP0.5x6L	3.5 M3xP0.5x6L	3.5 M3xP0.5x6L	4.5 M4xP0.7x8L	5.5 M5xP0.8x8L	6.5 M6xP1.0x10L	8.5 M8xP1.25x10L
D6	44	54	62	77	100	122	140
E1	38	46	54	67	86	106	119
E2	1.5	1.5	2	2	2	2	2
E3	30	36	44	56	72	92	105
E4	2	2	2	2	2	2.5	3
Weight (g)	312	595	811	1,328	2,707	4,628	6,732

MODEL : DHG-AK



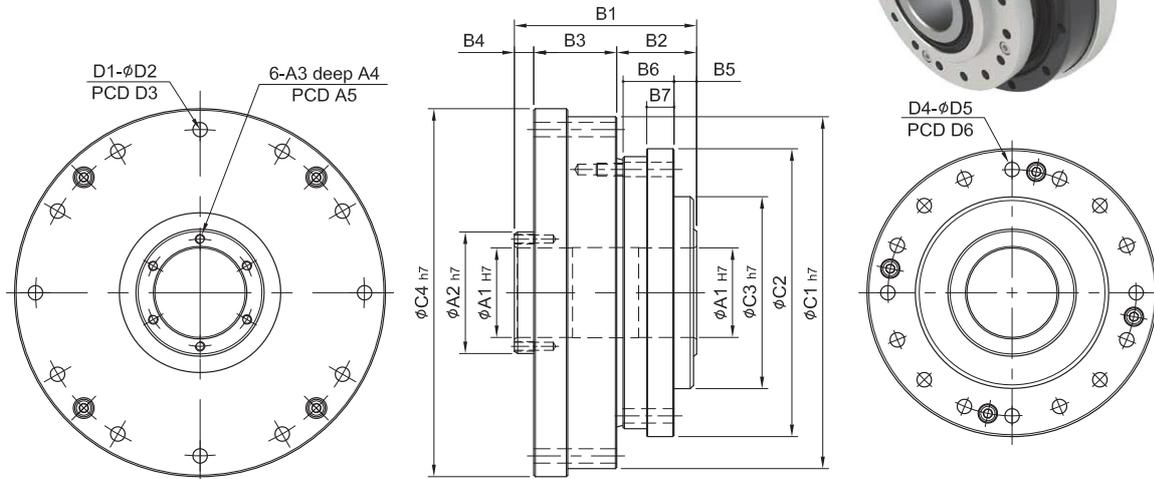
Code \ Model	14	17	20	25	32	40	45
A1	6、8	8	8、14	14	14、19	19、24	19、24
A2	3、3	3	3、5	5	5、6	6、8	6、8
A3	7、9.4	9.4	9.4、16.3	16.3	16.3、21.8	21.8、27.3	21.8、27.3
A4	2-M4xP0.7	2-M4xP0.7	M4xP0.7	M5xP0.8	M5xP0.8	M5xP0.8	M6xP1.0
A5	18	22	25	32	36	50	50
A6	10	12.5	13.5	14.5	16	20	20
A7	10.5	13	14	16.3	17.45	23	22
A8	14	16	21	24	30	36	36
A9	2.3	4.2	4.3	6	5	7	5
B1	23.5	26.5	29	34	42	51	56.5
B2	7	7.5	8.5	12	15	18	20
B3	14.1	16	17.5	18.7	23.4	29	32
B4	2.4	3	3	3.3	3.6	4	4.5
B5	6	6.5	7.5	10	14	17	19
C1	70	80	90	110	142	170	190
C2	50	60	70	85	110	135	155
C3	70	80	90	110	142	170	190
C4	48	60	70	88	114	140	158
D1	8	12	12	12	12	12	18
D2	3.5	3.5	3.5	4.5	5.5	6.5	6.5
D3	64	74	84	102	132	158	180
D4	8	16	16	16	16	16	12
D5	3.3 M3xP0.5x6L	3.5 M3xP0.5x6L	3.5 M3xP0.5x6L	4.5 M4xP0.7x8L	5.5 M5xP0.8x8L	6.5 M6xP1.0x10L	8.5 M8xP1.25x10L
D6	44	54	62	77	100	122	140
E1	38	46	54	67	86	106	119
E2	1.5	1.5	2	2	2	2	2
E3	30	36	44	56	72	92	105
E4	2	2	2	2	2	2.5	3
Weight (g)	280	567	757	1,280	2,628	4,536	6,642

MODEL : DHG-AO

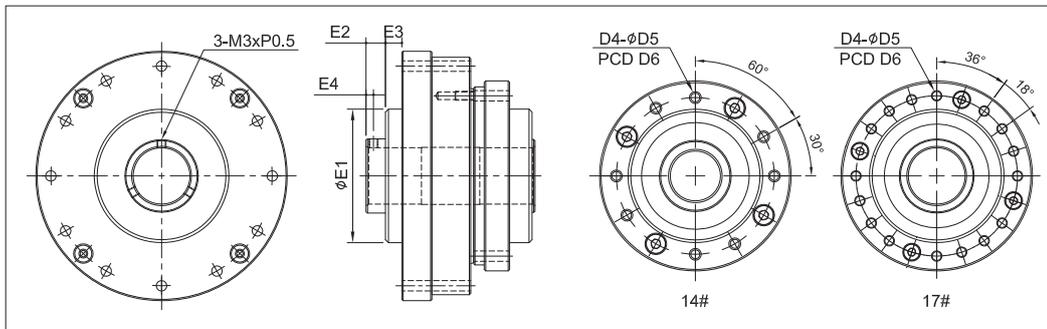


Code \ Model	14	17	20	25	32	40	45
A1	14	19	21	29	36	46	52
A2	20	25	30	38	45	59	64
A3	-	-	-	40	-	59	65
A4	20	25	30	40	45	60	65
A5	20	25	30	40	50	60	65
A6	24	29	34	43	50	65	70
A7	53	56.5	51.5	55.5	65.5	79	85
A8	13	13	13	12.5	13.5	16	19
A9	20.5	24	20.5	24	26	35	36
A10	19.5	19.5	18	19	26	28	30
A11	7	7	7	7	7	10	10
A12	7	7	8	7	12	13	13
A13	18	18.5	17	18	22	27	29
A14	17	19.5	17.5	19.5	21.5	25	27
A15	18	18.5	17	18	22	27	29
A16	3-M3xP0.5	3-M3xP0.5	M3xP0.5	M3xP0.5	M3xP0.5	M4xP0.7	M4xP0.7
A17	-	-	6	6	6	8	8
A18	-	-	25.5	33.5	40.5	52	58
B1	53	56.5	51.5	55.5	65.5	79	85
B2	13.5	14	13	11.5	11.5	15	15
B3	23.5	26.5	29	34	42	51	56.5
B4	16	16	9.5	10	12	13	13.5
B5	7	7.5	8.5	12	15	18	20
B6	14.1	16	17.5	18.7	23.4	29	32
B7	2.4	3	3	3.3	3.6	4	4.5
B8	6	6.5	7.5	10	14	17	19
C1	70	80	90	110	142	170	190
C2	50	60	70	85	110	135	155
C3	70	80	90	110	142	170	190
C4	48	60	70	88	114	140	158
D1	8	12	12	12	12	12	18
D2	3.5	3.5	3.5	4.5	5.5	6.5	6.5
D3	64	74	84	102	132	158	180
D4	8	16	16	16	16	16	12
D5	3.3	3.5	3.5	4.5	5.5	6.5	8.5
D6	M3xP0.5x6L	M3xP0.5x6L	M3xP0.5x6L	M4xP0.7x8L	M5xP0.8x8L	M6xP1.0x10L	M8xP1.25x10L
Weight (g)	340	630	848	1,416	2,736	4,659	6,849

MODEL : DHG-O

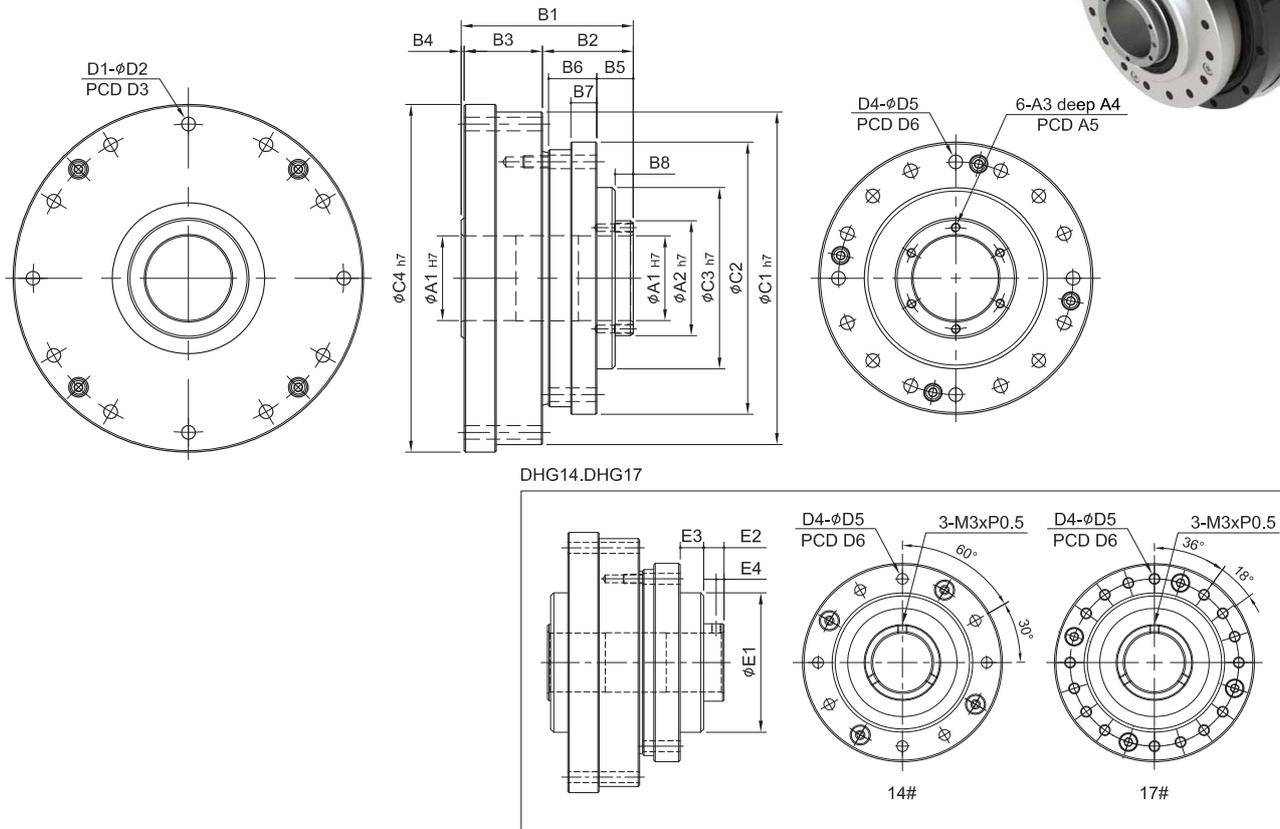


DHG14.DHG17



Code \ Model	14	17	20	25	32	40	45
A1	14	19	21	29	36	46	52
A2	20	25	30	38	45	59	64
A3	3-M3xP0.5	3-M3xP0.5	M3xP0.5	M3xP0.5	M3xP0.5	M4xP0.7	M4xP0.7
A4	-	-	6	6	6	8	8
A5	-	-	25.5	33.5	40.5	52	58
B1	53	56.5	51.5	55.5	65.5	79	85
B2	20.5	21.5	21.5	23.5	26.5	33	35
B3	20.5	23	25	26	32	38	42
B4	-	-	5	6	7	8	8
B5	8	8.5	7	6	5	7	7
B6	11.5	12	13.5	15.5	20.5	25	27
B7	8	8.5	9	8.5	9.5	13	12
C1	70	80	90	110	142	170	190
C2	54	64	75	90	115	140	160
C3	36	45	50	60	85	100	120
C4	74	84	95	115	147	175	195
D1	8	12	12	12	12	12	18
D2	3.5	3.5	3.5	4.5	5.5	6.5	6.5
D3	64	74	84	102	132	158	180
D4	8	16	16	16	16	16	12
D5	3.3 M3xP0.5x6L	3.5 M3xP0.5x6L	3.5 M3xP0.5x6L	4.5 M4xP0.7x8L	5.5 M5xP0.8x8L	6.5 M6xP1.0x10L	8.5 M8xP1.25x10L
D6	44	54	62	77	100	122	140
E1	36	45	-	-	-	-	-
E2	6.5	6.5	-	-	-	-	-
E3	5.5	5.5	-	-	-	-	-
E4	2.5	2.5	-	-	-	-	-
Weight (g)	470	808	1,168	1,709	3,500	5,983	8,254

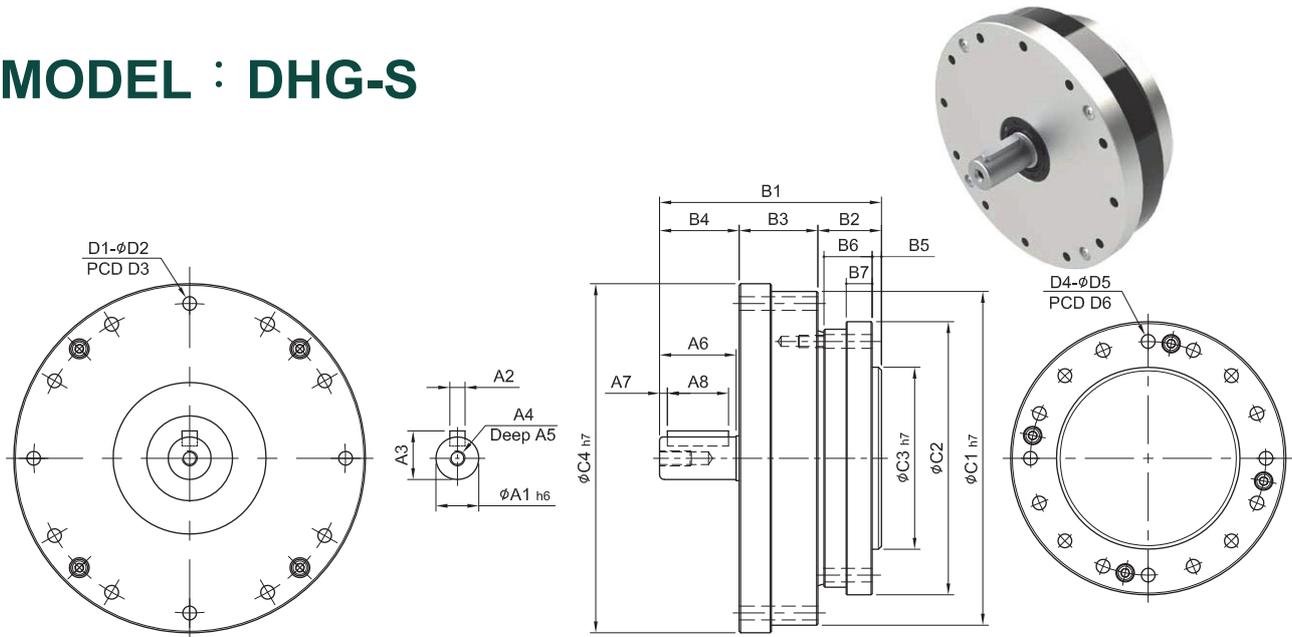
MODEL : DHG-OR



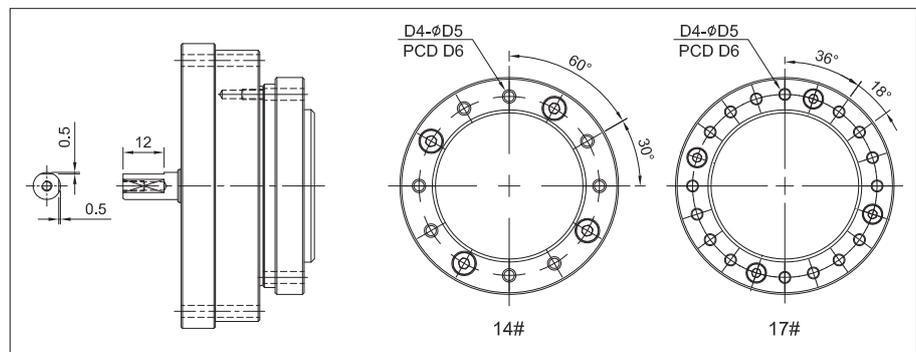
DHG14.DHG17

Code \ Model	14	17	20	25	32	40	45
A1	14	19	21	29	36	46	52
A2	20	25	30	38	45	59	64
A3	3-M3xP0.5	3-M3xP0.5	M3xP0.5	M3xP0.5	M3xP0.5	M4xP0.7	M4xP0.7
A4	-	-	6	6	6	8	8
A5	-	-	25.5	33.5	40.5	52	58
B1	53	56.5	51.5	55.5	65.5	79	85
B2	26.5	27	25.5	28.5	32.5	40	42
B3	20.5	23	25	26	32	38	42
B4	-	-	1	1	1	1	1
B5	14	14	11	11	11	14	14
B6	11.5	12	13.5	15.5	20.5	25	27
B7	8	8.5	9	8.5	9.5	13	12
B8	-	-	5	6	7	8	8
C1	70	80	90	110	142	170	190
C2	54	64	75	90	115	140	160
C3	36	45	50	60	85	100	120
C4	74	84	95	115	147	175	195
D1	8	12	12	12	12	12	18
D2	3.5	3.5	3.5	4.5	5.5	6.5	6.5
D3	64	74	84	102	132	158	180
D4	8	16	16	16	16	16	12
D5	3.3 M3xP0.5x6L	3.5 M3xP0.5x6L	3.5 M3xP0.5x6L	4.5 M4xP0.7x8L	5.5 M5xP0.8x8L	6.5 M6xP1.0x10L	8.5 M8xP1.25x10L
D6	44	54	62	77	100	122	140
E1	36	45	-	-	-	-	-
E2	6.5	6.5	-	-	-	-	-
E3	7.5	7.5	-	-	-	-	-
E4	2.5	2.5	-	-	-	-	-
Weight (g)							

MODEL : DHG-S



DHG14.DHG17



Code \ Model	14	17	20	25	32	40	45
A1	8	8	10	14	14	16	19
A2	-	-	3	5	5	5	6
A3	-	-	11.2	16	16	18	21.5
A4	M3xP0.5	M3xP0.5	M3xP0.5	M5xP0.8	M5xP0.8	M5xP0.8	M6xP1.0
A5	6	6	6	10	10	10	12
A6	14	16	20	25	25	30	30
A7	-	-	2.5	2.5	2.5	2.5	2.5
A8	-	-	15	20	20	25	25
B1	50.5	56	63.5	72.5	84.5	100	108
B2	15	15.5	17.5	20.5	26.5	31	35
B3	20.5	23	25	26	32	38	42
B4	15	17.5	21	26	26	31	31
B5	2.5	3	3	3	5	5	7
B6	11.5	11.5	13.5	15.5	20.5	25	27
B7	8	8.5	9	8.5	9.5	13	12
C1	70	80	90	110	142	170	190
C2	54	64	75	90	115	140	160
C3	36	45	50	60	85	100	120
C4	74	84	95	115	147	175	195
D1	8	12	12	12	12	12	18
D2	3.5	3.5	3.5	4.5	5.5	6.5	6.5
D3	64	74	84	102	132	158	180
D4	8	16	16	16	16	16	12
D5	3.3	3.5	3.5	4.5	5.5	6.5	8.5
D6	M3xP0.5x6L	M3xP0.5x6L	M3xP0.5x6L	M4xP0.7x8L	M5xP0.8x8L	M6xP1.0x10L	M8xP1.25x10L
Weight (g)	450	763	1,057	1,675	3,458	5,906	8,463