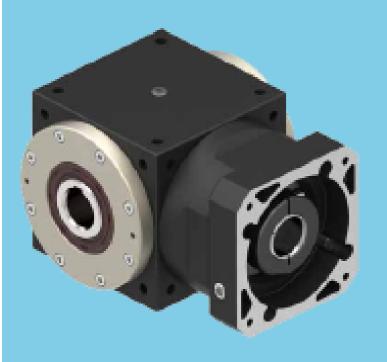
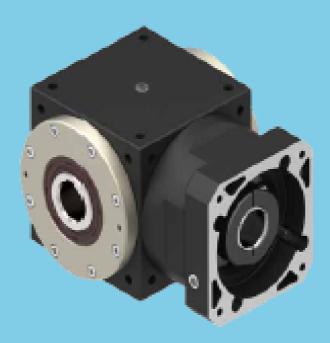
HCCDY

ST精密直角转向器





减速机电动机选型手册

微型交流减速马达|小型交流减速马达|蜗轮蜗杆减速器 行星减速机|十字转向器

恒阳传动

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HY选型说明————————————————————————————————————	185-2

笔化:	
	nonioconiesca.



產品型號 MODI	EL	ST	FT	НҮ
		000	0.0	
頁次 Page	頁次 Page		179	185
單段減速比 1 - Stage		1 · 2 · 3 4 · 5	2 · 3 · 4 5	5 \ 10 \ 15
雙段減速比 2-Stage		10 ~ 50	10 ~ 50	25 ~ 150
最小背隙 Min. Backlash	arcmin	≦ 3	≦ 10	≦ 3
運轉一段時間 - 背隙變化	arcmin	≦2	≦2	≦2
容許最大入力馬力 Max. Input Power	kW	22	0.4	22
額定輸入轉速 Rated Input Speed	rpm	2,000~3,000	2,000~3,000	2,000~3,000
最大輸入轉速 Max. Input Speed	rpm	3,000~7,500	7,000	4,500~8,000
效率 Efficiency	%	94% ~ 98%	94% ~ 98%	93% ~ 96%

ST series



Indication of Model Numbers

機種型號表示

	ויינונונו	`		_			
ST	90-	- F	N	В	- 5	L	- P0
減速機機型	型號	入力表示	出力表示	軸承形式	速比	軸向	背隙等級
Туре	Model	Input	Output	Bearing	Ratio	Shaft	Backlash
7.		· ·	·			Direction	Class
ST	65	F: 入力法蘭	O: 出力中空軸	B: 滾珠軸承	單段 1 - Stage	L: 左軸	P0
	75	Input Flange	Hollow Output Shaft	Ba ll Bearing	1, 2, 3, 4, 5	Left Shaft	P1
	90	R44: 減速機 Reducer	N: 單邊免鍵軸套 (有鍵槽)	(65#~210#)		R: 右軸	P2
	110	1-Stage:	Single Clamping	(Ratio: 1~5)		Right Shaft	
	140	R44 · R62	(Keyway)		搭配單段		
	170	2 - Stage:	N1: 單邊免鍵軸套(無鍵槽)	T: 滾錐軸承	行星減速機		
	210	R62S	Single Clamping	Taper	With 1-Stage	1. 出力形式	
		2-Stage (A-Type) :	(No Keyway)	Bearing	Planetary	N、S 可以選	
		R44A · R62A	M: 雙邊免鍵軸套	(75#~210#)	Reducer	擇軸向	
		D: 單入力軸心 (有鍵槽)	Double Clamping	(Ratio: 2~5)	10 ~ 50	Shaft direction	
		Single Input Shaft	S: 單出力軸心 (有鍵槽)			is optional for	
		(Keyway)	Sing l e Output Shaft		搭配雙段	output type N,	
		D1: 單入力軸心 (無鍵	(Keyway)		行星減速機	S.	
		槽)	S1: 單出力軸心(無鍵槽)		With 2-Stage		
		Single Input Shaft	Single Output Shaft		Planetary	2. 出力形式 P	
		(No Keyway)	(No Keyway)		Reducer	為 R 軸向	
		Y: 雙入力軸心 (有鍵槽)	V: 雙出力軸心 (有鍵槽)		75 ~ 500	Output type	
		Double Input Shaft	Double Output Shaft			P only for R	
		(Keyway)	(Keyway)			shaft.	
		Y1:雙入力軸心(無鍵槽)	V1: 雙出力軸心 (無鍵槽)				
		Double Input Shaft	Double Output Shaft				
		(No Keyway)	(No Keyway)				
			P: 螺桿式				
			Ball Screw (75#~210#)				
			限用滾錐軸承				
			Taper Bearing Only				

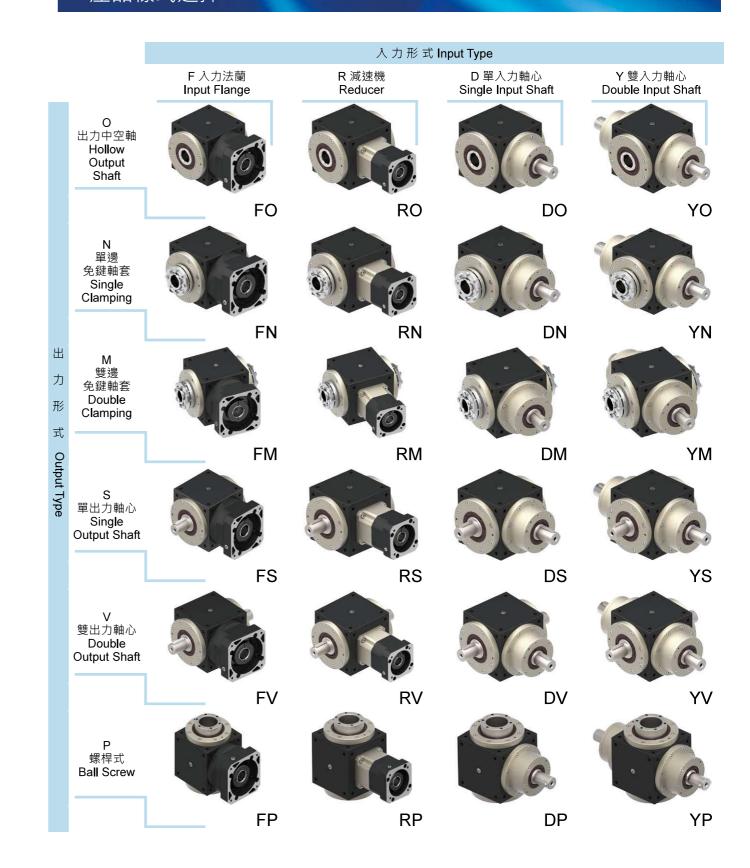
The Model & Ratio Table of Bevel Gear Reducer Assembly Planetary Reducer

傘齒輪減速機搭配行星減速機型號及速比一覽表

型號 Model	減速比 Ratio	法蘭盤框號 Flange Model	行星減速機框號 Planetary Reducer Model	Ratio of 1-Stage	雙段行星減速機減速比 Ratio of 2-Stage Planetary Reducer 25 ` 50 ` 100	
65		62	44			
75	1	62	44 62	搭配單段行星減速機減速比 Ratio of Bevel Gear Recucer Fitted	搭配單段行星減速機減速比 Ratio of Bevel Gear Recucer Fitted	
90	2	90	62	with 1-Stage Planetary Reducer	with 1-Stage Planetary Reducer	
110	3	90	80	,		
140	4 5	120	90	10 \ 15 \ 20 \ 25 \ 30 \ 40 \ 50	75 \ 100 \ 125 \ 150 \ 200 \	
170	J	142	120		250 \ 300 \ 400 \ 500	
210		180	142			

Selection of Type

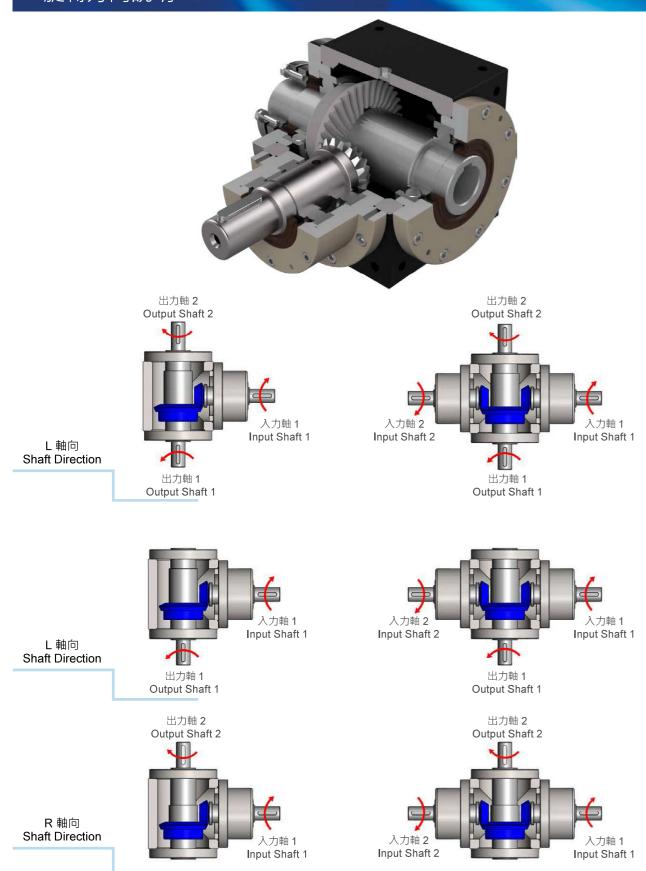
產品樣式選擇



1. 出力形式 N、S 可以選擇軸向。Shaft direction is optional for output type N, S. 2. 出力形式 P 為 R 軸向。Output type P only for R shaft.

Rotating Direction

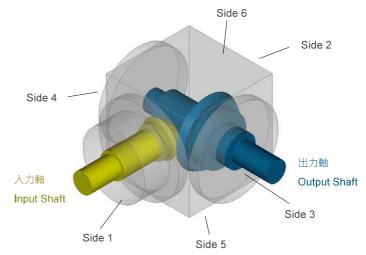
旋轉方向說明

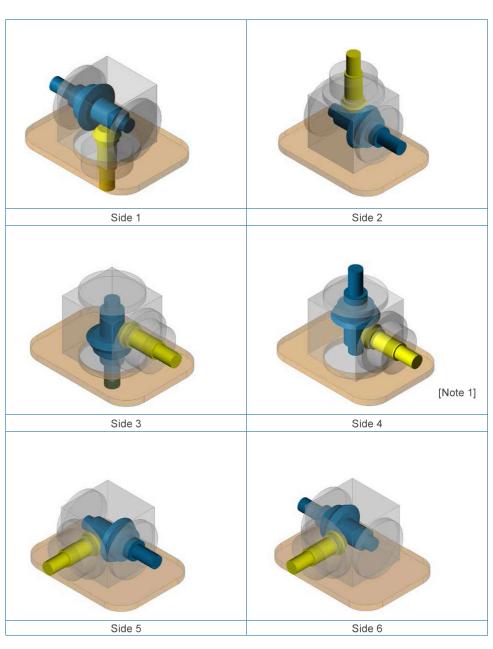


本公司出廠標準品使用「標準軸向」,R 軸向請於訂單上註明。 Standard product is L shaft direction, R shaft direction is optional.

Selection Direction of Installation

安裝方向選擇



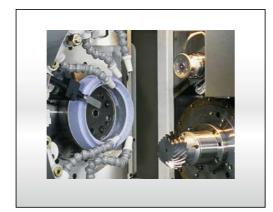


[Note 1] 出力軸端端面基準線朝上時 · 需特別告知其使用方式。 Side 4 operation shall be avoid.

Features of ST Series

ST系列產品特點



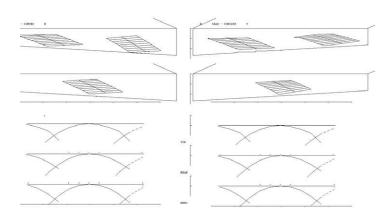


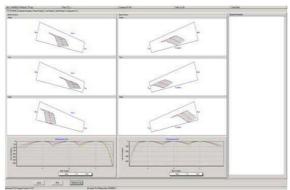
高強度、高精度螺旋傘齒輪

■ 齒輪採高強力滲碳合金鋼,研磨精密度符合 AGMA12 級標準以內。

High precision grinded and carburized spiral bevel gears

High precision grinded and carburized spiral bevel gears to meet standard AGMA12.





最優化的設計及 CAE 分析技術

- 採用 Gleason 參數齒輪設計軟件,得到最佳化接觸面積的齒印參數,保證了最高扭矩以及最小噪音。
- 並利用 3D-CAE 軟體的設計分析技術,對減速機整體強度及螺旋傘齒輪進行分析,增加齒輪系及減速機的使用壽命。

Optimized Design and CAE Analysis

- Use Gleason's design software to design new spiral bevel gears. Through the ideal gear contact pattern for application, achieve high permissible output torque.
- Employs 3D-CAE software for analysis and design, the software allows for analyzing the strength of the entire gear reducer and helical teeth. Increasing the service life of gears and the gear reducer.

Features of ST Series

ST系列產品特點

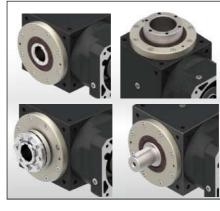


低背隙

- 使用 Gleason 參數齒輪加工設備·加工研磨等級的螺旋傘齒輪·確保低背隙、低噪音。
- 背隙最小可達 2 弧分以內。

Low Backlash

- Using Gleason high precision CNC grinding machine to grinding the spiral bevel gears.
- Torsional backlash depending on design up to <2 arcmin.

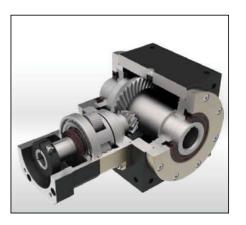


安裝位置

- 多重精密加工表面易於組裝‧適用於 任意安裝方向。
- 入出力軸的設計可以適用於各種工業 上應用的需求。

Mounting Position

- Multiple precision machined surface is easy for assembly, suitable for any optional mounting orientation.
- Output shaft and input shaft are designed to suit for various industries applications.



更高的減速比

● 高精密研磨的蝸線傘齒輪組結合最 佳化設計的行星式齒輪組可以達到 500:1 的減速比。

More High Gear Ratio

 High precision grinded and carburized spiral bevel gears with optimal designed planetary gear can do ratio 500: 1.



免保養

● 免保養無須更換潤滑油,運轉壽命長。

No Maintenance

 It features no maintenance and long service life.



高扭矩密度

- 一體式齒箱本體確保最大剛性與耐蝕 性。
- 結構緊湊・富有剛性的設計保證了在 小體積・重量輕的情況下能夠達到最 高扭矩及較大的減速比。

High Output Torque

 The gear box is one-piece constructed to ensure the high rigidity and corrosion-resistant capability.



筒夾式連結機構

● 輸入端與馬達的連結採用筒夾式的鎖 緊機構・並經動平衡分析・以確保在 高輸入轉速下結合介面的同心度和平 衡度・及零背隙的動力傳遞。

Collet Locking Mechanism

 The input-end and the motor are coupled through a collet locking meshanism. It has passed dynamical balance analysis to assure concentricity and balance on the connection and no backlash for power transmission while running at high speed.

Characteristic of ST Series

ST系列產品特性

單段減速機 1-Stage

平权测处版 I-Slage										
規格 Model No.	代號	單位 Unit	速比 Ratio	65	75	90	110	140	170	210
			1	25	45	78	150	360	585	1,300
在中华山里在1811年1811年			2	24	42	68	150	330	544	1,220
額定輸出扭矩 / Rated Output Torque (Nominal output torque)	T_{2N}	Nm	3	18	33	54	120	270	450	1,020
			4	13	28	52	100	224	376	860
			5	12	25	40	85	196	320	740
最大加速扭矩 / Max. Acceleration Torque	$T_{2\mathrm{B}}$	Nm	1~5	1.5 倍額定輸出扭矩 1.5 Times of Rated Output Torque					Э	
最大輸出扭矩 / Max, Output Torque 急停扭矩 / Emergency Stop Torque	$T_{ m 2NOT}$	Nm	1~5	3 倍額定輸出扭矩 3 Times of Rated Output Torque						
額定輸入轉速 / Rated Input Speed	n_{lN}	rpm	1~5	3,000	3,000	3,000	2,500	2,500	2,000	2,000
最大輸入轉速 / Max. Input Speed	n_{1B}	rpm	1~5	6,000	6,000	5,500	4,500	3,500	3,000	3,000
			P0	-	≦ 3	≦ 3	≦ 3	≦ 3	≦3	≦3
背隙 / Backlash		arcmin	P1	≦ 6	<u>≦</u> 6	≦ 6	≦ 6	≦ 6	≦ 6	≦ 6
			P2	≦ 9	≦ 9	≦ 9	≦ 9	≦ 9	≦9	≦9
容許徑向力 / Max. Radial Force 滾珠軸承 Ball Bearing	$F_{ m 2rB}$	N	1~5	700	1,050	1,500	2,360	3,080	4,800	6,400
容許軸向力 / Max. Axial Force 滾珠軸承 Ball Bearing	$F_{ m 2aB}$	N	1~5	350	525	750	1,180	1,540	2,400	3,200
容許徑向力 / Max. Radial Force 滾錐軸承 Taper Bearing	$F_{ m 2rB}$	N	1~5	-	2,400	3,200	5,000	6,500	9,100	13,000
容許軸向力 / Max. Axial Force 滾錐軸承 Taper Bearing	$F_{2a\mathrm{B}}$	N	1~5	-	1,200	1,600	2,500	3,250	4,550	6,500
使用壽命 / Service Life	$L_{ m H}$	hr	1~5	S5 Cycle			-	· ig運轉 : >15 iuous Ope	5,000 hrs) ration: >15	,000 hrs)
效 率 / Efficiency	η	%	1~5				94% ~ 98%	, b		
使用溫度 / Operating Temperature		°C	1~5			-3	0°C ~ +100)°C		
潤 滑 / Lubrication			1~5	全合成潤滑油 Synthetic Oil						
噪音值/Noise Level		dB	1~5	≤ 65 ≤ 67 ≤ 71 ≤ 73 ≤ 74 ≤ 75					≦ 75	≦ 77

轉動慣量 Mass Moments of Inertia (kgcm²)

速比 Ratio	65	75	90	110	140	170	210
1	0.51	1.79	4.93	12.5	36.8	85.9	287
2	0.44	0.95	2.78	7.41	15.6	39.3	123
3	0.43	0.78	2.34	6.18	10.9	28.5	84.1
4	0.43	0.72	2.18	5.71	9.19	24.5	69.9
5	0.43	0.69	2.10	5.48	8.32	22.6	62.7

Characteristic of ST Series

ST系列產品特性

雙段減速機 2-Stage

規格 Model No.	代號	單位 Unit	速比 Ratio	65	75	90	110	140	170	210
			10	24	42	68	150	330	544	1,220
			15	18	33	54	120	270	450	1,020
每户4AUUTE 1.B 1.1.A 1.1.T			20	13	28	48	100	224	376	860
額定輸出扭矩 / Rated Output Torque (Nominal output torque)	T_{2N}	Nm	25	12	25	40	85	196	320	740
			30	18	33	54	120	270	450	1,020
			40	13	28	52	100	224	376	860
			50	12	25	40	85	196	320	740
最大加速扭矩 / Max. Acceleration Torque	$T_{\rm 2B}$	Nm	10~50	1.5 倍額定輸出扭矩 1.5 Times of Rated Output Torque						
最大輸出扭矩 / Max. Output Torque 急停扭矩 / Emergency Stop Torque	$T_{ m 2NOT}$	Nm	10~50	3 倍額定輸出扭矩 3 Times of Rated Output Torque						
額定輸入轉速 / Rated Input Speed	$n_{\rm lN}$	rpm	10~50	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	10~50	6,000	6,000	6,000	6,000	6,000	5,000	5,000
			P0	-	≦ 4	≦ 4	≦ 4	≦ 4	≦ 4	≦ 4
背隙 / Backlash		arcmin	P1	≦7	≦7	≦7	≦7	≦7	≦ 7	<u>≤</u> 7
			P2	≦ 10	≦ 10	≦ 10	≦ 10	≦ 10	≦ 10	≦ 10
容許徑向力 / Max. Radial Force 滾珠軸承 Ball Bearing	$F_{ m 2rB}$	N	1~5	700	1,050	1,500	2,360	3,080	4,800	6,400
容許軸向力 / Max. Axial Force 滾珠軸承 Ball Bearing	F_{2aB}	N	1~5	350	525	750	1,180	1,540	2,400	3,200
容許徑向力 / Max. Radial Force 滾錐軸承 Taper Bearing	$F_{ m 2rB}$	N	1~5	-	2,400	3,200	5,000	6,500	9,100	13,000
容許軸向力 / Max. Axial Force 滾錐軸承 Taper Bearing	F_{2aB}	N	1~5	-	1,200	1,600	2,500	3,250	4,550	6,500
使用壽命 / Service Life	$L_{ m H}$	hr	10~50	S5 Cycle				· · ·uous Ope		,000 hrs)
效 率 / Efficiency	η	%	10~50			,	90% ~ 94%	6		
使用温度 / Operating Temperature		℃	10~50			-3	0°C ~+100	℃		
潤 滑 / Lubrication			10~50	全合成潤滑油 Synthetic Oil						
噪音值/Noise Level		dB	10~50	≦ 68	≦ 69	≦ 73	≦ 74	≦ 75	≦ 76	≦ 78

轉動慣量 Mass Moments of Inertia (kgcm²)

速比 Ratio	65	75	90	110	140	170	210
10	0.05	0.15	0.18	0.41	0.56	3.25	8.9
15	0.05	0.15	0.18	0.41	0.56	3.25	8.9
20	0.05	0.15	0.18	0.41	0.56	3.25	8.9
25	0.05	0.15	0.18	0.41	0.56	3.25	8.9
30	0.05	0.15	0.16	0.38	0.53	3.09	8.4
40	0.05	0.15	0.16	0.38	0.53	3.09	8.4
50	0.05	0.15	0.16	0.38	0.53	3.09	8.4

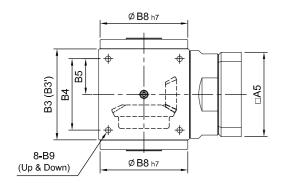
ST-FO series

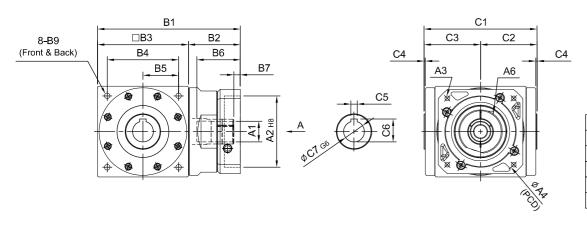
RATIO: 1.2.3.4.5 (單段 1-Stage)

入力法蘭 - 出力中空軸

Input Flange - Hollow Output Shaft









(170#以上)

ØA1 D E

Ø35 10 38.3

Ø38 10 41.3

Ø42 12 45.3

Ø48 14 51.8

Ø55 16 59.3

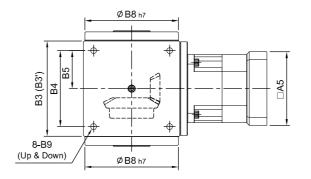
ST-RO series

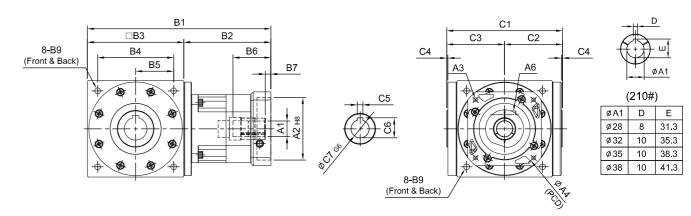
RATIO: 10.15.20.25.30.40.50 (雙段 2-Stage)

搭配行星減速機 - 出力中空軸

Fitted with Planetary Reducer - Hollow Output Shaft







 - :1.	
 nır.	mn

									unit. min
	Model Code	65	65(1:1)	75	90	110	140	170	210
	A1	9 ` 11 ` 14	9 ` 11 ` 14	14 ` 19	16 \ 19 \ 22 \ 24	19 \ 22 \ 24	24 \ 28 \ 32 \ 35	35 ` 38	35 \ 38 \ 42 \ 48 \ 55
	A2	50 ` 60 ` 70	50 ` 60 ` 70	50 \ 60 \ 70	70 \ 80 \ 95 \ 110	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180	114.3 \ 180 \ 230
Α	A 3	M4 ` M5 ` M6	M4 · M5 · M6	M4 · M5 · M6	M5 · M6 · M8	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M10 · M12 · M16
	A4	70 ` 75 ` 90	70 ` 75 ` 90	70 ` 75 ` 90	90 \ 100 \ 115 \ 145	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200	200 `215 `265
	A5	64 ` 70 ` 80	64 ` 70 ` 80	64 ` 70 ` 80	92 ` 110 ` 130	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190	182 ` 200 ` 250
	A6	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5
	B1	110	110	115 ` 122	148 ` 162	177 · 191	224 ` 238	274	357 ` 359
	B2	45	45	40	58 ` 72	67 ` 81	84 - 98	104	147
	B3(B3')	65	65	75(74)	90	110	140	170	210
	B4	52	52	60	72	88	110	134	170
В	B5	26	26	30	36	44	55	67	85
	В6	36	36	36 ` 43	51 ` 65.5	51 ` 65.5	68 · 81	84.5	117 · 119
	B7	7	7	7 ` 13	9 ` 23.5	9 ` 23.5	9 ` 10	9.5	14 ` 16
	B8	62	64	73	88	106	135	164	205
	В9	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	84	89	100	118	144	174	204	250
	C2	42	44.5	50	59	72	87	102	125
	C3	42	44.5	50	59	72	87	102	125
С	C4	2	2	2	2	2	2	2	2
	C5	5	5	5	6	8	10	12	14
	C6	16.3	16.3	16.3	20.8	25.3	35.3	43.3	53.3
	C7	14	14	14	18	22	32	40	50
Weight	重量	1.7	1.7	2.4	4.3	7.1	14.9	24.5	46

unit: mm

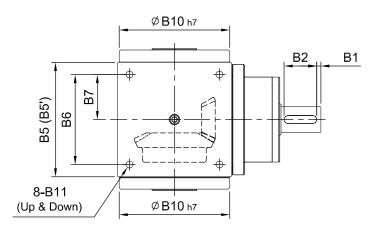
		Model Code	65	7	5	90	110	140	170	210
		A1	8 • 9 • 11 • 14	8 • 9 • 11 • 14	11 \ 14 \ 16 \ 19	11 \ 14 \ 16 \ 19	(14) ` 16 ` 19	16 \ 19 \ 22 \ 24	22 · 24 · 28 · 32 · 35	28 \ 32 \ 35 \ 38
	Α	A2	30 \ 40 \ 50	30 \ 40 \ 50	50 \ 60 \ 70	50 \ 60 \ 70	50 \ 70 \ 80 \ 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180
	•	А3	M3 ` M4 ` M5	M3 ` M4 ` M5	M4 · M5 · M6	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12
		A4	46 ` 60 ` 63	46 ` 60 ` 63	70 ` 75 ` 90	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 ` 100 ` 115 ` 145	115 ` 145 ` 165	145 \ 165 \ 200
		A5	46 ` 55	46 ` 55	64 ` 70 ` 80	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190
		A6	M4 x P0.7	M4 x P0.7	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5
		B1	132	137	149 ` 157	165 ` 173	(191) ` 203	260	313 ` 334	399
		B2	67	62	74 ` 82	75 ` 83	(81) · 93	120	143 · 164	189
		B3(B3')	65	75(74)	75(74)	90	110	140	170	210
		B4	52	60	60	72	88	110	134	170
	В	B5	26	30	30	36	44	55	67	85
		В6	26	26	33.5 \ 41.5	33.5 \ 41.5	(33.5) 45.5	59	67 ` 83	85
		B7	5	5	6	6	(6) `10	9	10 \ 11	10
		B8	62	73	73	88	106	135	164	205
		В9	M5 x P0.8	M6 x P1.0	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
		C1	84	100	100	118	144	174	204	250
		C2	42	50	50	59	72	87	102	125
		C3	42	50	50	59	72	87	102	125
	С	C4	2	2	2	2	2	2	2	2
		C5	5	5	5	6	8	10	12	14
		C6	16.3	16.3	16.3	20.8	25.3	35.3	43.3	53.3
		C7	14	14	14	18	22	32	40	50
W	<i>l</i> eight	重量	1.9	3.6	3.4	4.8	8.5	14.2	24	52

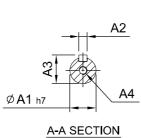
ST-DO series

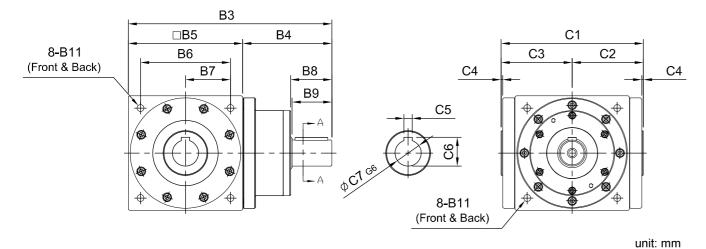
RATIO: 1.2.3.4.5 (單段 1-Stage)

單入力軸心 - 出力中空軸

Single Input Shaft - Hollow Output Shaft







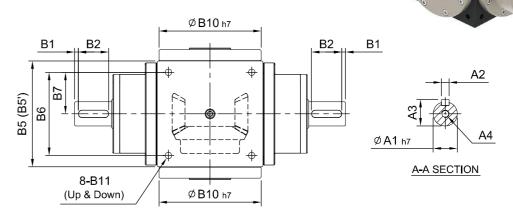
									uiiit. Iiiiii
	Model Code	65	65(1:1)	75	90	110	140	170	210
^	A1	14	14	16	18	22	32	40	50
Α	A2	5	5	5	6	6	10	12	14
	А3	16	16	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5	5
	B2	15	15	25	25	30	40	50	65
	В3	127.5	127.5	143	168.5	207	250	300	375
	B4	62.5	62.5	68	78.5	97	110	130	165
	B5(B5')	65	65	75(74)	90	110	140	170	210
В	В6	52	52	60	72	88	110	134	170
	B7	26	26	30	36	44	55	67	85
	B8	22	22	32	38	43	53.5	64	77
	В9	20	20	30	35	40	50	60	75
	B10	62	64	73	88	106	135	164	205
	B11	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	84	89	100	118	144	174	204	250
	C2	42	44.5	50	59	72	87	102	125
	C3	42	44.5	50	59	72	87	102	125
С	C4	2	2	2	2	2	2	2	2
	C5	5	5	5	6	8	10	12	14
	C6	16.3	16.3	16.3	20.8	25.3	35.3	43.3	53.3
	C7	14	14	14	18	22	32	40	50
Weight	重量	2.1	2.1	2.8	4.9	9	15.5	25	53

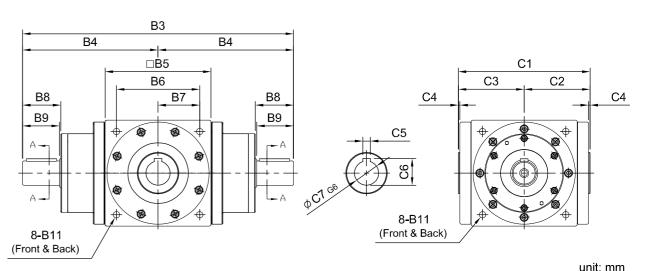
ST-YO series

RATIO : 1.2.3.4.5(單段 1-Stage)

雙入力軸心 - 出力中空軸

Double Input Shaft - Hollow Output Shaft





									unit: mm
	Model Code	65	65(1:1)	75	90	110	140	170	210
	A1	14	14	16	18	22	32	40	50
Α	A2	5	5	5	6	6	10	12	14
	А3	16	16	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5	5
	B2	15	15	25	25	30	40	50	65
	В3	190	190	210	247	304	360	430	540
	B4	95	95	105	123.5	152	180	215	270
В	B5(B5')	65	65	75(74)	90	110	140	170	210
	B6	52	52	60	72	88	110	134	170
	B7	26	26	30	36	44	55	67	85
	B8	22	22	32	38	43	53.5	64	77
	B9	20	20	30	35	40	50	60	75
	B10	62	64	73	88	106	135	164	205
	B11	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	84	89	100	118	144	174	204	250
	C2	42	44.5	50	59	72	87	102	125
	C3	42	44.5	50	59	72	87	102	125
С	C4	2	2	2	2	2	2	2	2
	C5	5	5	5	6	8	10	12	14
	C6	16.3	16.3	16.3	20.8	25.3	35.3	43.3	53.3
	C 7	14	14	14	18	22	32	40	50
Weight	重量	2.85	2.85	3.6	6.2	11.5	18	28	57

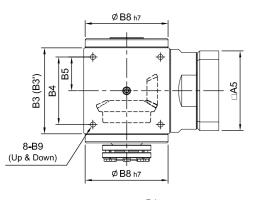
ST-FN series

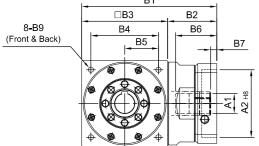
RATIO: 1.2.3.4.5 (單段 1-Stage)

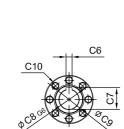
入力法蘭 - 單邊免鍵軸套

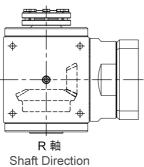
Input Flange - Single Clamping

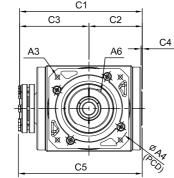


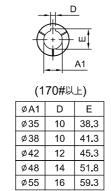












unit: mm

	Code	65	65(1:1)	75	90	110	140	170	210
	A1	9 · 11 · 14	9 ` 11 ` 14	14 \ 19	16 \ 19 \ 22 \ 24	19 ` 22 ` 24	24 \ 28 \ 32 \ 35	35 ` 38	35 \ 38 \ 42 \ 48 \ 55
	A2	50 \ 60 \ 70	50 \ 60 \ 70	50 \ 60 \ 70	70 \ 80 \ 95 \ 110	70 \ 80 \ 95 \ 110	95 \ 110 \ 130	110 \ 130 \ 180	114.3 \ 180 \ 230
Α	A3	M4 · M5 · M6	M4 · M5 · M6	M4 · M5 · M6	M5 · M6 · M8	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M10 · M12 · M16
	A4	70 ` 75 ` 90	70 ` 75 ` 90	70 `75 ` 90	90 \ 100 \ 115 \ 145	90 · 100 · 115 · 145	115 \ 145 \ 165	145 ` 165 ` 200	200 ` 215 ` 265
	A5	64 ` 70 ` 80	64 ` 70 ` 80	64 ` 70 ` 80	92 ` 110 ` 130	92 ` 110 ` 130	122 \ 130 \ 150	146 ` 150 ` 190	182 ` 200 ` 250
	A6	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5
	B1	110	110	115 ` 122	148 ` 162	177 ` 191	224 ` 238	274	357 ` 359
	B2	45	45	40	58 ` 72	67 · 81	84 \ 98	104	147
	B3(B3')	65	65	75(74)	90	110	140	170	210
	B4	52	52	60	72	88	110	134	170
В	B5	26	26	30	36	44	55	67	85
	B6	36	36	36 ` 43	51 ` 65.5	51 ` 65.5	68 · 81	84.5	117
	B7	7	7	7 ` 13	9 ` 23.5	9 ` 23.5	9 \ 10	9.5	14 ` 16
	B8	62	64	73	88	106	135	164	205
	B9	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	104	109	120	138	169	202	240	285
	C2	42	44.5	50	59	72	87	102	125
	C3	62	64.5	70	79	97	115	138	160
	C4	2	2	2	2	2	2	2	2
С	C5	110	113	124	142	171	202	242	288
C	C6	5	5	5	6	8	10	12	14
	C7	16.3	16.3	16.3	20.8	25.3	35.3	43.3	53.3
	C8	14	14	14	18	22	32	40	50
	C9	22	22	22	28	34	44	52	65
	C10	6-M6	6-M6	6-M6	6-M6	8-M6	8-M6	8-M8	8-M8
Weight	重量	1.7	1.7	2.4	4.3	7.1	14.9	24.5	46

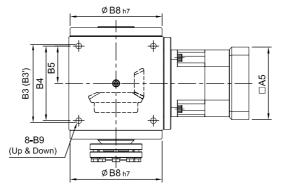
ST-RN series

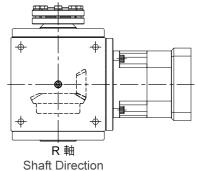
RATIO: 10.15.20.25.30.40.50 (雙段 2-Stage)

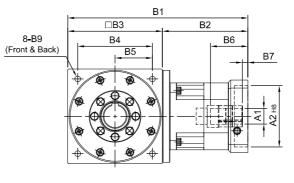
搭配行星減速機 - 單邊免鍵軸套

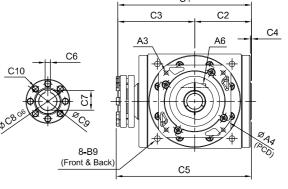
Fitted with Planetary Reducer - Single Clamping











<u>C4</u>			ш <mark>‡</mark> 5 <u>А1</u>
	((210#)
	ØA1	D	Е
	Ø28	8	31.3
	Ø32	10	35.3
_	Ø35	10	38.3
A _A	Ø38	10	41.3
8AA CO)			

unit: mm

	Code	65	7	5	90	110	140	170	210
	A1	8 · 9 · 11 · 14	8 · 9 · 11 · 14	11 · 14 · 16 · 19	11 · 14 · 16 · 19	(14) ` 16 ` 19	16 ` 19 ` 22 ` 24	22 \ 24 \ 28 \ 32 \ 35	28 \ 32 \ 35 \ 38
Α	A2	30 \ 40 \ 50	30 \ 40 \ 50	50 \ 60 \ 70	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180
·	A3	M3 · M4 · M5	M3 · M4 · M5	M4 · M5 · M6	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12
	A4	46 ` 60 ` 63	46 \ 60 \ 63	70 ` 75 ` 90	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 ` 100 ` 115 ` 145	115 \ 145 \ 165	145 \ 165 \ 200
	A5	46 ` 55	46 \ 55	64 ` 70 ` 80	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 \ 130 \ 150	146 \ 150 \ 190
	A6	M4 x P0.7	M4 x P0.7	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5
	B1	132	137	149 · 157	165 · 173	(191) ` 203	260	313 - 334	399
В	B2	67	62	74 ` 82	75 ` 83	(81) ` 93	120	143 - 164	189
	B3(B3')	65	75(74)	75(74)	90	110	140	170	210
	B4	52	60	60	72	88	110	134	170
	B5	26	30	30	36	44	55	67	85
	B6	26	26	33.5 \ 41.5	33.5 \ 41.5	(33.5) ` 45.5	59	67 ` 83	85
	B7	5	5	6	6	(6) `10	9	10 \ 11	10
	B8	62	73	73	88	106	135	164	205
	В9	M5 x P0.8	M6 x P1.0	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	104	120	120	138	169	200	240	285
	C2	42	50	50	59	72	87	102	125
	C3	62	70	70	79	97	113	138	160
	C4	2	2	2	2	2	2	2	2
С	C5	118	124	124	142	171	202	242	288
	C6	5	5	5	6	8	10	12	14
	C7	16.3	16.3	16.3	20.8	25.3	35.3	43.3	53.3
	C8	14	14	14	18	22	32	40	50
	C9	22	22	22	28	34	44	52	65

157

6-M6

1.9

C10 重量 6-M6

3.6

6-M6

3.4

6-M6

4.8

8-M6

8-M6

14.2

8-M8

24

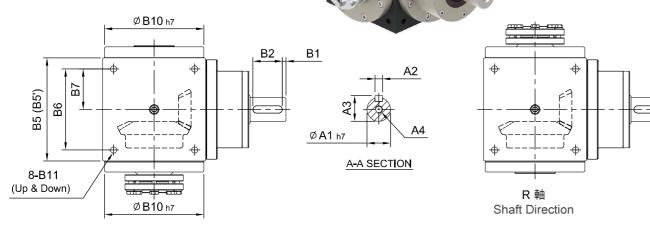
8-M8

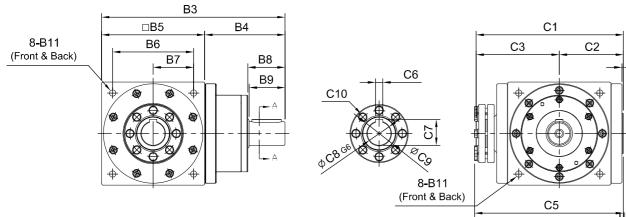
ST-DN series

RATIO: 1.2.3.4.5 (單段 1-Stage)

單入力軸心 - 單邊免鍵軸套

Single Input Shaft - Single Clamping





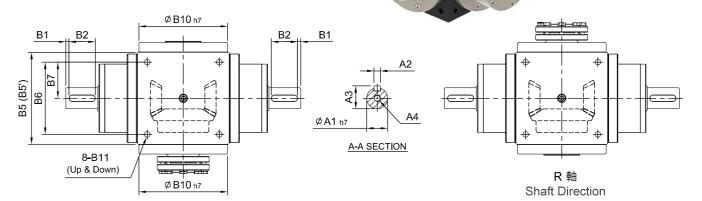
							-		−−u nit: mm
	Model Code	65	65(1:1)	75	90	110	140	170	210
	A1	14	14	16	18	22	32	40	50
Α	A2	5	5	5	6	6	10	12	14
	А3	16	16	18	20.5	24.5	35	43	53.5
A	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5	5
	B2	15	15	25	25	30	40	50	65
	В3	127.5	127.5	143	168.5	207	250	300	375
	B4	62.5	62.5	68	78.5	97	110	130	165
	B5(B5')	65	65	75(74)	90	110	140	170	210
В	В6	52	52	60	72	88	110	134	170
	B7	26	26	30	36	44	55	67	85
	В8	22	22	32	38	43	53.5	64	77
	B9	20	20	30	35	40	50	60	75
	B10	62	64	73	88	106	135	164	205
	B11	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	104	109	120	138	169	202	240	285
	C2	42	44.5	50	59	72	87	102	125
	C3	62	64.5	70	79	97	115	138	160
	C4	2	2	2	2	2	2	2	2
C	C5	110	113	124	142	171	202	242	288
	C6	5	5	5	6	8	10	12	14
	C7	16.3	16.3	16.3	20.8	25.3	35.3	43.3	53.3
	C8	14	14	14	18	22	32	40	50
	C9	22	22	22	28	34	44	52	65
	C10	6-M6	6-M6	6-M6	6-M6	8-M6	8-M6	8-M8	8-M8
Weight	重量	2.1	2.1	2.8	4.9	8.59	15.5	25	53

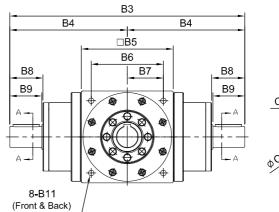


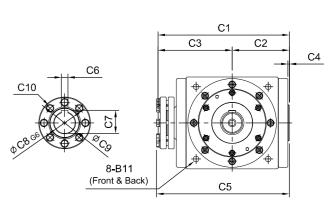
RATIO: 1.2.3.4.5 (單段 1-Stage)

雙入力軸心 - 單邊免鍵軸套

Double Input Shaft - Single Clamping







unit: mm

									dint. min
	Model Code	65	65(1:1)	75	90	110	140	170	210
^	A1	14	14	16	18	22	32	40	50
Α	A2	5	5	5	6	6	10	12	14
	A3	16	16	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5	5
	B2	15	15	25	25	30	40	50	65
	В3	190	190	210	247	304	360	430	540
	B4	95	95	105	123.5	152	180	215	270
	B5(B5')	65	65	75(74)	90	110	140	170	210
В	B6	52	52	60	72	88	110	134	170
	B7	26	26	30	36	44	55	67	85
	B8	22	22	32	38	43	53.5	64	77
	B9	20	20	30	35	40	50	60	75
	B10	62	64	73	88	106	135	164	205
	B11	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	104	109	120	138	169	200	240	285
	C2	42	44.5	50	59	72	87	102	125
	C3	62	64.5	70	79	97	113	138	160
	C4	2	2	2	2	2	2	2	2
С	C5	110	113	124	142	171	202	242	288
	C6	5	5	5	6	8	10	12	14
	C7	16.3	16.3	16.3	20.8	25.3	35.3	43.3	53.3
	C8	14	14	14	18	22	32	40	50
	C9	22	22	22	28	34	44	52	65
	C10	6-M6	6-M6	6-M6	6-M6	8-M6	8 -M 6	8-M8	8-M8
Weight	重量	2.85	2.85	3.6	6.2	11.5	18	28	57

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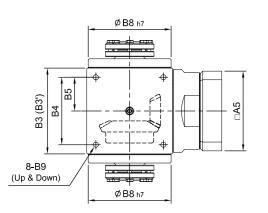
C4

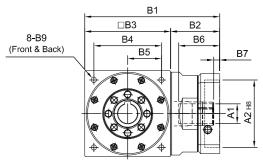
ST-FM series

RATIO: 1.2.3.4.5 (單段 1-Stage)

入力法蘭 - 雙邊免鍵軸套

Input Flange - Double Clamping





B2

B3(B3')

B4

B5

B6

B7

В8

B9

C1

C2

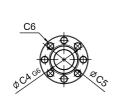
C3

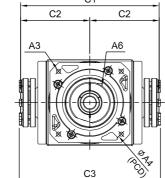
C4

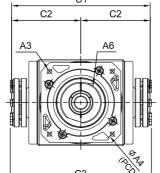
C5

C6

重量









(170#以上)									
ØA1	D	E							
Ø35	10	38.3							
Ø38	10	41.3							
Ø42	12	45.3							
Ø48	14	51.8							
Ø 55	16	59.3							

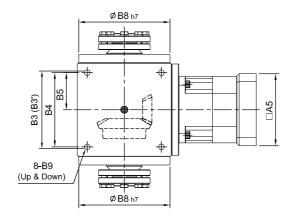
unit: mm

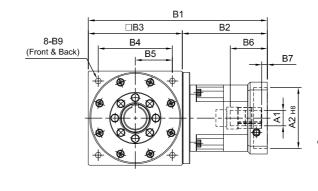
ST-RM series

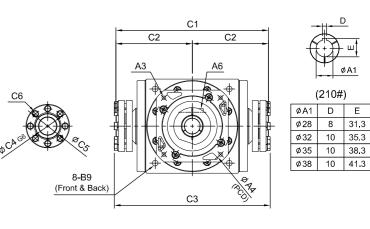
RATIO: 10.15.20.25.30.40.50 (雙段 2-Stage)

搭配行星減速機 - 雙邊免鍵軸套

Fitted with Planetary Reducer - Double Clamping









unit: mm

(210#)

								unit. min
Ī	65	65(1:1)	75	90	110	140	170	210
	9 ` 11 ` 14	9 ` 11 ` 14	14 ` 19	16 \ 19 \ 22 \ 24	19 \ 22 \ 24	24 \ 28 \ 32 \ 35	35 ` 38	35 \ 38 \ 42 \ 48 \ 55
	50 ` 60 ` 70	50 ` 60 ` 70	50 ` 60 ` 70	70 \ 80 \ 95 \ 110	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 ` 130 ` 180	114.3 \ 180 \ 230
	M4 · M5 · M6	M4 · M5 · M6	M4 · M5 · M6	M5 · M6 · M8	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M10 · M12 · M16
	70 ` 75 ` 90	70 ` 75 ` 90	70 ` 75 ` 90	90 ` 100 ` 115 ` 145	90 ` 100 ` 115 ` 145	115 \ 145 \ 165	145 ` 165 ` 200	200 ` 215 ` 265
	64 ` 70 ` 80	64 ` 70 ` 80	64 ` 70 ` 80	92 ` 110 ` 130	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190	182 ` 200 ` 250
	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5
	110	110	115 ` 122	148 ` 162	177 ` 191	224 ` 238	274	357 ` 359
	45	45	40	58`72	67 · 81	84 ` 98	104	147
	65	65	75(74)	90	110	140	170	210
	52	52	60	72	88	110	134	170
	26	26	30	36	44	55	67	85
	36	36	36 ` 43	51 ` 65.5	51 ` 65.5	68 ` 81	84.5	117
	7	7	7 ` 13	9 ` 23.5	9 ` 23.5	9 ` 10	9.5	14 ` 16
	62	64	73	88	106	135	164	205
	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	124	129	140	158	194	230	276	320
	62	64.5	70	79	97	115	138	160
	136	138	150	166	198	232	280	327
	14	14	14	18	22	32	40	50
	22	22	22	28	34	44	52	65
	6-M6	6-M6	6-M6	6-M6	8-M6	8-M6	8-M8	8-M8
	1.7	1.7	2.4	4.3	7.1	14.9	24.5	46

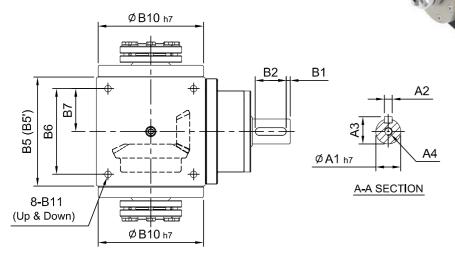
									unit. min
	Model Code	65	7	5	90	110	140	170	210
	A1	8 · 9 · 11 · 14	8 · 9 · 11 · 14	11 · 14 · 16 · 19	11 · 14 · 16 · 19	(14) ` 16 ` 19	16 \ 19 \ 22 \ 24	22 · 24 · 28 · 32 · 35	28 \ 32 \ 35 \ 38
Α	A2	30 \ 40 \ 50	30 \ 40 \ 50	50 \ 60 \ 70	50 \ 60 \ 70	50 \ 70 \ 80 \ 95	70 \ 80 \ 95 \ 110	95 \ 110 \ 130	110 \ 130 \ 180
, , , , , , , , , , , , , , , , , , ,	A3	M3 · M4 · M5	M3 · M4 · M5	M4 · M5 · M6	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12
	A4	46 \ 60 \ 63	46 \ 60 \ 63	70 ` 75 ` 90	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200
	A5	46 \ 55	46 ` 55	64 ` 70 ` 80	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 ` 130 ` 150	146 - 150 - 190
	A6	M4 x P0.7	M4 x P0.7	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5
	B1	132	137	149 - 157	165 ` 173	(191) ` 203	260	313 ` 334	399
	B2	67	62	74 ` 82	75 \ 83	(81) • 93	120	143 · 164	189
	B3(B3')	65	75(74)	75(74)	90	110	140	170	210
	B4	52	60	60	72	88	110	134	170
В	B5	26	30	30	36	44	55	67	85
	B6	26	26	33.5 \ 41.5	33.5 \ 41.5	(33.5) 45.5	59	67 - 83	85
	B7	5	5	5	6	(6) `10	9	10 \ 11	10
	B8	62	73	73	88	106	135	164	205
	B9	M5 x P0.8	M6 x P1.0	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	124	140	140	158	194	230	276	320
	C2	62	70	70	79	97	115	138	160
С	C3	136	150	150	166	198	232	280	327
	C4	14	14	14	18	22	32	40	50
	C5	22	22	22	28	34	44	52	65
	C6	6-M6	6-M6	6 - M6	6-M6	8 -M 6	8 - M6	8 -M 8	8 - M8
Weight	重量	1.9	3.6	3.4	4.8	8.5	14.2	24	52

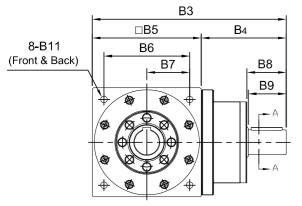
ST-DM series

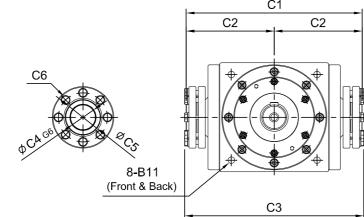
RATIO: 1.2.3.4.5 (單段 1-Stage)

單入力軸心 - 雙邊免鍵軸套

Single Input Shaft - Double Clamping







unit: mm

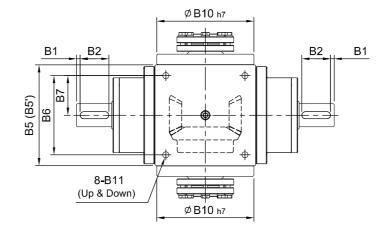
	Model Code	65	65(1:1)	75	90	110	140	170	210
^	A1	14	14	16	18	22	32	40	50
В	A2	5	5	5	6	6	10	12	14
	A3	16	16	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5	5
	B2	15	15	25	25	30	40	50	65
	В3	127.5	127.5	143	168.5	207	250	300	375
	B4	62.5	62.5	68	78.5	97	110	130	165
	B5(B5')	65	65	75(74)	90	110	140	170	210
В	B6	52	52	60	72	88	110	134	170
	B7	26	26	30	36	44	55	67	85
	B8	22	22	32	38	43	53.5	64	77
	В9	20	20	30	35	40	50	60	75
	B10	62	64	73	88	106	135	164	205
	B11	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	124	129	140	158	194	230	276	320
	C2	62	64.5	70	79	97	115	138	160
С	C3	136	138	150	166	198	232	280	327
C	C4	14	14	14	18	22	32	40	50
	C5	22	22	22	28	34	44	52	65
	C6	6-M6	6-M6	6-M6	6-M6	8-M6	8 -M 6	8-M8	8-M8
Weight	重量	2.1	2.1	2.8	4.9	8.59	15.5	25	53

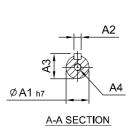
ST-YM series

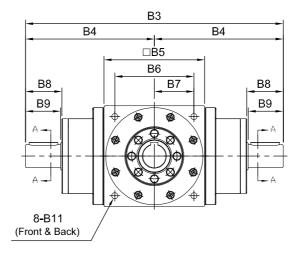
RATIO: 1.2.3.4.5 (單段 1-Stage)

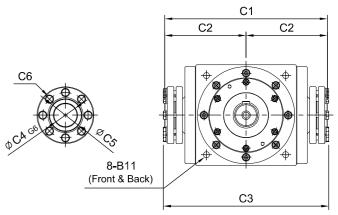
雙入力軸心-雙邊免鍵軸套

Double Input Shaft - Double Clamping









unit: mm

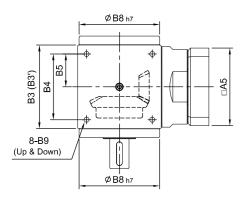
	Model Code	65	65(1:1)	75	90	110	140	170	210
^	A1	14	14	16	18	22	32	40	50
Α	A2	5	5	5	6	6	10	12	14
	А3	16	16	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5	5
	B2	15	15	25	25	30	40	50	65
	В3	190	190	210	247	304	360	430	540
	B4	95	95	95	123.5	152	180	215	270
	B5(B5')	65	65	75(74)	90	110	140	170	210
В	В6	52	52	60	72	88	110	134	170
	B7	26	26	30	36	44	55	67	85
	B8	22	22	32	38	43	53.5	64	77
	В9	20	20	30	35	40	50	60	75
	B10	62	64	73	88	106	135	164	205
	B11	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	124	129	140	158	194	230	276	320
	C2	62	64.5	70	79	97	115	138	160
С	C3	136	138	150	166	198	232	280	327
C	C4	14	14	14	18	22	32	40	50
	C5	22	22	22	28	34	44	52	65
	C6	6-M6	6-M6	6-M6	6 -M 6	8-M6	8-M6	8 -M 8	8 -M 8
Weight	重量	2.85	2.85	3.6	6.2	11.5	18	28	57

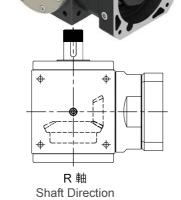
ST-FS series

RATIO : 1.2.3.4.5(單段 1-Stage)

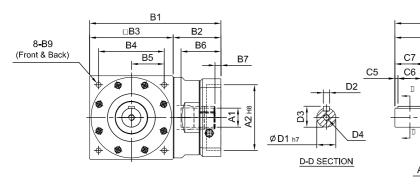
入力法蘭 - 單出力軸心

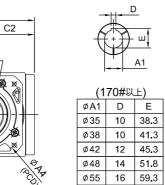
Input Flange - Single Output Shaft





C3





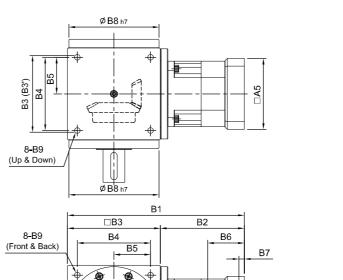
									unit: mm
	Model Code	65	65(1:1)	75	90	110	140	170	210
	A1	9 · 11 · 14	9 · 11 · 14	14 ` 19	16 \ 19 \ 22 \ 24	19 ` 22 ` 24	24 `28 `32 `35	35 ` 38	35 \ 38 \ 42 \ 48 \ 55
^	A2	50 ` 60 ` 70	50 \ 60 \ 70	50 ` 60 ` 70	70 \ 80 \ 95 \ 110	70 \ 80 \ 95 \ 110	95,110,130	110,130,180	114.3 \ 180 \ 230
Α	A3	M4 · M5 · M6	M4 · M5 · M6	M4 · M5 · M6	M5 · M6 · M8	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M10 · M12 · M16
	A4	70 ` 75 ` 90	70 ` 75 ` 90	70 ` 75 ` 90	90 `100 `115 `145	90 `100 `115 `145	115 \ 145 \ 165	145 ` 165 ` 200	200 ` 215 ` 265
	A5	64 ` 70 ` 80	64 ` 70 ` 80	64 ` 70 ` 80	92 ` 110 ` 130	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190	182 ` 200 ` 250
	A6	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5
	B1	110	110	115 ` 122	148 ` 162	177 ` 191	224 ` 238	274	357 ` 359
	B2	45	45	40	58 ` 72	67 · 81	84 - 98	104	147
	B3(B3')	65	65	75(74)	90	110	140	170	210
	B4	52	52	60	72	88	110	134	170
В	B5	26	26	30	36	44	55	67	85
	B6	36	36	36 \ 43	51 ` 65.5	51 ` 65.5	68 ` 81	84.5	117
	B7	7	7	7 ` 13	9 ` 23.5	9 ` 23.5	9 ` 10	9.5	14 · 16
	B8	62	64	73	88	106	135	164	205
	B9	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	102	107	128	151	182	222	262	323
	C2	40	42.5	48	57	70	85	100	123
	C3	62	64.5	80	94	112	137	162	200
С	C4	2	2	2	2	2	2	2	2
	C5	2.5	2.5	2.5	5	5	5	5	5
	C6	15	15	25	25	30	40	50	65
	C7	20	20	30	35	40	50	60	75
	D1	14	14	16	18	22	32	40	50
D	D2	5	5	5	6	6	10	12	14
	D3	16	16	18	20.5	24.5	35	43	53.5
	D4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M10 x P1.5	M12 x P1.75	M12 x P1.75
Weight	重量	1.7	1.7	2.4	4.3	7.1	14.9	24.5	46

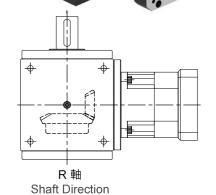
ST-RS series

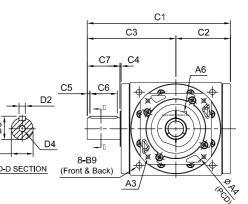
RATIO: 10.15.20.25.30.40.50 (雙段 2-Stage)

搭配行星減速機 - 單出力軸心

Fitted with Planetary Reducer - Single Output Shaft







	- 9	ø <u>A1</u>
((210#)
ØA1	D	Е
Ø28	8	31.3
Ø32	10	35.3
Ø35	10	38.3
Ø38	10	41.3

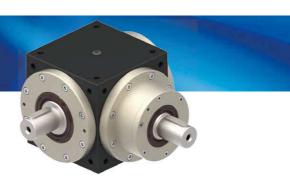
								9`	unit: mm
	Model Code	65	7	5	90	110	140	170	210
	A1	8 · 9 · 11 · 14	8 · 9 · 11 · 14	11 · 14 · 16 · 19	11 \ 14 \ 16 \ 19	(14) ` 16 ` 19	16 ` 19 ` 22 ` 24	22 · 24 · 28 · 32 · 35	28 \ 32 \ 35 \ 38
Α	A2	30 \ 40 \ 50	30 \ 40 \ 50	50 \ 60 \ 70	50 \ 60 \ 70	50 \ 70 \ 80 \ 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180
٠,	А3	M3 · M4 · M5	M3 · M4 · M5	M4 · M5 · M6	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12
	A4	46 \ 60 \ 63	46 \ 60 \ 63	70 ` 75 ` 90	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 ` 145 ` 165	145 \ 165 \ 200
	A5	46 \ 55	46 \ 55	64 ` 70 ` 80	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190
	A6	M4 x P0.7	M4 x P0.7	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5
	B1	132	137	149 ` 157	165 ` 173	191	260	313 ` 334	399
	B2	67	62	74 ` 82	75 ` 83	81	120	143 · 164	189
	B3(B3')	65	75(74)	75(74)	90	110	140	170	210
	B4	52	60	60	72	88	110	134	170
В	B5	26	30	30	36	44	55	67	85
	B6	26	26	33.5 \ 41.5	33.5 \ 41.5	33.5	59	67 ` 83	85
	B7	5	5	5	6	6	9	10 ` 11	10
	B8	62	73	73	88	106	135	164	205
	B9	M5 x P0.8	M6 x P1.0	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	102	128	128	151	182	222	262	323
	C2	40	48	48	57	70	85	100	123
	C3	62	80	80	94	112	137	162	200
С	C4	2	2	2	2	2	2	2	2
	C5	2.5	2.5	2.5	5	5	5	5	5
	C6	15	25	25	25	30	40	50	65
	C7	20	30	30	35	40	50	60	75
	D1	14	16	16	18	22	32	40	50
D	D2	5	5	5	6	6	10	12	14
	D3	16	18	18	20.5	24.5	35	43	53.5
	D4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M10 x P1.5	M12 x P1.75	M12 x P1.75
Weight	重量	1.9	3.6	3.4	4.8	8.5	14.2	24	52

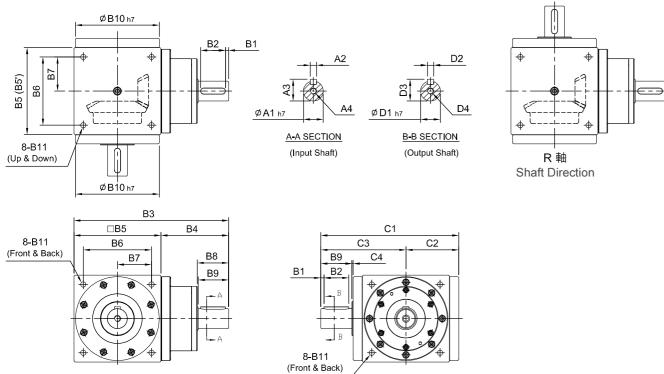
ST-DS series

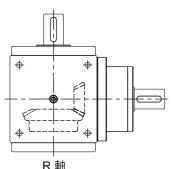
RATIO: 1.2.3.4.5 (單段 1-Stage)

單入力軸心 - 單出力軸心

Single Input Shaft - Single Output Shaft









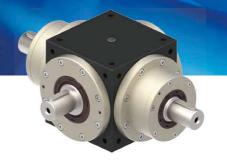
									unit. min
	Model Code	65	65(1:1)	75	90	110	140	170	210
	A1	14	14	16	18	22	32	40	50
Α	A2	5	5	5	6	6	10	12	14
	А3	16	16	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5	5
	B2	15	15	25	25	30	40	50	65
	В3	127.5	127.5	143	168.5	207	250	300	375
	B4	62.5	62.5	68	78.5	97	110	130	165
	B5(B5')	65	65	75(74)	90	110	140	170	210
В	B6	52	52	60	72	88	110	134	170
	B7	26	26	30	36	44	55	67	85
	B8	22	22	32	38	43	53.5	64	77
	B9	20	20	30	35	40	50	60	75
	B10	62	64	73	88	106	135	164	205
	B11	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	102	107	128	151	182	222	262	323
С	C2	40	42.5	48	57	70	85	100	123
	C3	62	64.5	80	94	112	137	162	200
	C4	2	2	2	2	2	2	2	2
	D1	14	14	16	18	22	32	40	50
D	D2	5	5	5	6	6	10	12	14
D	D3	16	16	18	20.5	24.5	35	43	53.5
	D4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M10 x P1.5	M12 x P1.75	M12 x P1.75
Weight	重量	2.1	2.1	2.8	4.9	8.59	15.5	25	53

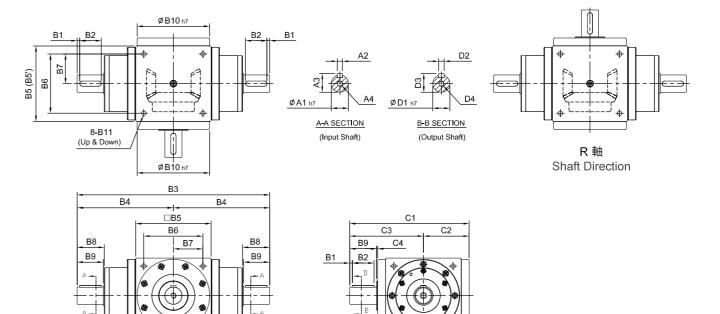
ST-YS series

RATIO: 1.2.3.4.5 (單段 1-Stage)

雙入力軸心 - 單出力軸心

Double Input Shaft - Single Output Shaft





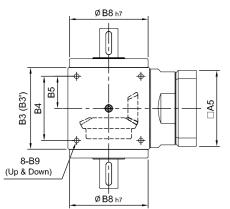
									unit: mm
	Model Code	65	65(1:1)	75	90	110	140	170	210
^	A1	14	14	16	18	22	32	40	50
Α	A2	5	5	5	6	6	10	12	14
	А3	16	16	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5	5
	B2	15	15	25	25	30	40	50	65
	В3	190	190	210	247	304	360	430	540
	B4	95	95	105	123.5	152	180	215	270
	B5(B5')	65	65	75(74)	90	110	140	170	210
В	B6	52	52	60	72	88	110	134	170
	B7	26	26	30	36	44	55	67	85
	B8	22	22	32	38	43	53.5	64	77
	B9	20	20	30	35	40	50	60	75
	B10	62	64	73	88	106	135	164	205
	B11	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	102	107	128	151	182	222	262	323
С	C2	40	42.5	48	57	70	85	100	123
C	C3	62	64.5	80	94	112	137	162	200
	C4	2	2	2	2	2	2	2	2
	D1	14	14	16	18	22	32	40	50
D	D2	5	5	5	6	6	10	12	14
	D3	16	16	18	20.5	24.5	35	43	53.5
	D4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M10 x P1.5	M12 x P1.75	M12 x P1.75
Weight	重量	2.85	2.85	3.6	6.2	11.5	18	28	57

ST-FV series

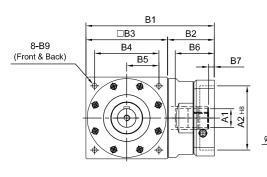
RATIO: 1.2.3.4.5 (單段 1-Stage)

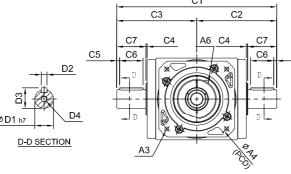
入力法蘭 - 雙出力軸心

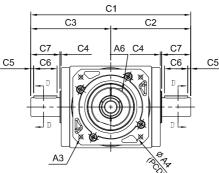
Input Flange - Double Output Shaft

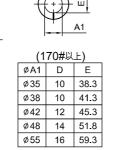












unit: mm

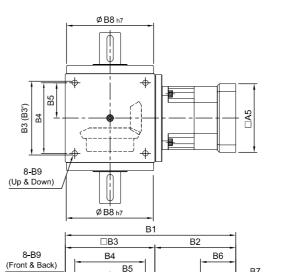
	Model Code	65	65(1:1)	75	90	110	140	170	210
	A1	9 \ 11 \ 14	9 \ 11 \ 14	14 ` 19	16 \ 19 \ 22 \ 24	19 ` 22 ` 24	24 `28 `32 `35	35 ` 38	35 \ 38 \ 42 \ 48 \ 55
	A2	50 \ 60 \ 70	50 \ 60 \ 70	50 ` 60 ` 70	70 \ 80 \ 95 \ 110	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180	114.3 \ 180 \ 230
Α	А3	M4 · M5 · M6	M4 · M5 · M6	M4 · M5 · M6	M5 · M6 · M8	M5 \ M6 \ M8	M6 · M8 · M10	M8 · M10 · M120	M10 · M12 · M16
	A4	70 \ 75 \ 90	70 ` 75 ` 90	70 \ 75 \ 90	90 · 100 · 115 · 145	90 \100 \115 \145	115 \ 145 \ 165	145 \ 165 \ 200	200 `215 `265
	A5	64 ` 70 ` 80	64 ` 70 ` 80	64 ` 70 ` 80	92 ` 110 ` 130	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190	182 \ 200 \ 250
	A6	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5
	B1	110	110	115 ` 122	148 ` 162	177 ` 191	224 ` 238	274	357 ` 359
	B2	45	45	40	58 ` 72	67 · 81	84 \ 98	104	147
	B3(B3')	65	65	75(74)	90	110	140	170	210
	B4	52	52	60	72	88	110	134	170
В	B5	26	26	30	36	44	55	67	85
	B6	36	36	36 ` 43	51 ` 65.5	51 ` 65.5	68 · 81	84.5	117
	B7	7	7	7 ` 13	9 ` 23.5	9 ` 23.5	9 ` 10	9.5	14 ` 16
	B8	62	64	73	88	106	135	164	205
	B9	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	124	129	160	188	224	274	324	400
	C2	62	64.5	80	94	112	137	162	200
	C3	62	64.5	80	94	112	137	162	200
С	C4	2	2	2	2	2	2	2	2
	C5	2.5	2.5	2.5	5	5	5	5	5
	C6	15	15	25	25	30	40	50	65
	C7	20	20	30	35	40	50	60	75
	D1	14	14	16	18	22	32	40	50
D	D2	5	5	5	6	6	10	12	14
	D3	16	16	18	20.5	24.5	35	43	53.5
	D4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M10 x P1.5	M12 x P1.75	M12 x P1.75
Weight	重量	1.7	1.7	2.4	4.3	7.1	14.9	24.5	46

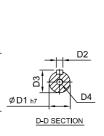
ST-RV series

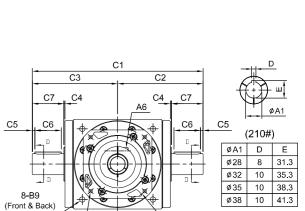
RATIO: 10.15.20.25.30.40.50 (雙段 2-Stage)

搭配行星減速機 - 雙出力軸心

Fitted with Planetary Reducer - Double Output Shaft







unit: mm

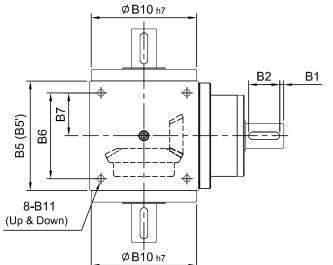
									unit: mm
	Model Code	65	7	5	90	110	140	170	210
	A1	8 · 9 · 11 · 14	8 · 9 · 11 · 14	11 \ 14 \ 16 \ 19	11 \ 14 \ 16 \ 19	(14) ` 16 ` 19	16 ` 19 ` 22 ` 24	22 \ 24 \ 28 \ 32 \ 35	28 \ 32 \ 35 \ 38
Α	A2	30 \ 40 \ 50	30 \ 40 \ 50	50 \ 60 \ 70	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 \ 110 \ 130	110 \ 130 \ 180
·	А3	M3 · M4 · M5	M3 · M4 · M5	M4 · M5 · M6	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12
	A4	46 \ 60 \ 63	46 \ 60 \ 63	70 \ 75 \ 90	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200
	A5	46 ` 55	46 - 55	64 ` 70 ` 80	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 \ 130 \ 150	146 \ 150 \ 190
	A6	M4 x P0.7	M4 x P0.7	M5 x P0.8	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5
	B1	132	137	149 ` 157	165 \ 173	191	260	313 \ 334	399
	B2	67	62	74 ` 82	75 ` 83	81	120	143 \ 164	189
В	B3(B3')	65	75(74)	75(74)	90	110	140	170	210
	B4	52	60	60	72	88	110	134	170
	B5	26	30	30	36	44	55	67	85
	B6	26	26	33.5 \ 41.5	33.5 \ 41.5	33.5	59	67.83	85
	B7	5	5	5	6	6	9	10 · 11	10
	B8	62	73	73	88	106	135	164	205
	В9	M5 x P0.8	M6 x P1.0	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	124	160	160	188	224	274	324	400
	C2	62	80	80	94	112	137	162	200
	C3	62	80	80	94	112	137	162	200
С	C4	2	2	2	2	2	2	2	2
	C5	2.5	2.5	2.5	5	5	5	5	5
	C6	15	25	25	25	30	40	50	65
	C 7	20	30	30	35	40	50	60	75
	D1	14	16	16	18	22	32	40	50
D	D2	5	5	5	6	6	10	12	14
D	D3	16	18	18	20.5	24.5	35	43	53.5
	D4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M10 x P1.5	M12 x P1.75	M12 x P1.75
Weight	重量	1.9	3.6	3.4	4.8	8.5	14.2	24	52

ST-DV series

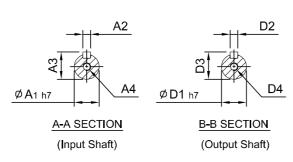
RATIO: 1.2.3.4.5 (單段 1-Stage)

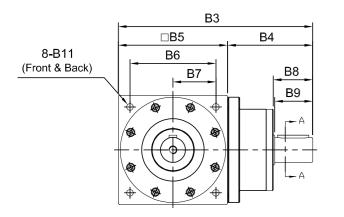
單入力軸心 - 雙出力軸心

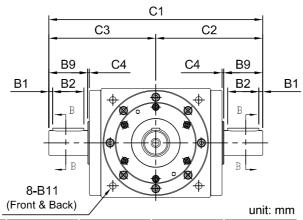
Single Input Shaft - Double Output Shaft











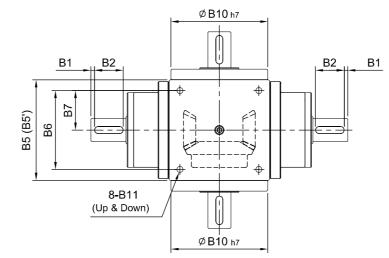
	Model Code	65	65(1:1)	75	90	110	140	170	210
^	A1	14	14	16	18	22	32	40	50
Α	A2	5	5	5	6	6	10	12	14
	A3	16	16	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5	5
	B2	15	15	25	25	30	40	50	65
	B3	127.5	127.5	143	168.5	207	250	300	375
	B4	62.5	62.5	68	78.5	97	110	130	165
	B5(B5')	65	65	75(74)	90	110	140	170	210
В	B6	52	52	60	72	88	110	134	170
	B7	26	26	30	36	44	55	67	85
	B8	22	22	32	38	43	53.5	64	77
	B9	20	20	30	35	40	50	60	75
	B10	62	64	73	88	106	135	164	205
	B11	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	124	129	160	188	224	274	324	400
С	C2	62	64.5	80	94	112	137	162	200
	C3	62	64.5	80	94	112	137	162	200
	C4	2	2	2	2	2	2	2	2
	D1	14	14	16	18	22	32	40	50
D	D2	5	5	5	6	6	10	12	14
	D3	16	16	18	20.5	24.5	35	43	53.5
	D4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M10 x P1.5	M12 x P1.75	M12 x P1.75
Weigh	重量	2.1	2.1	2.8	4.9	8.59	15.5	25	53

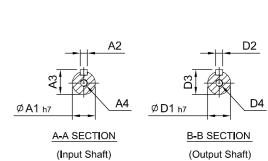
ST-YV series

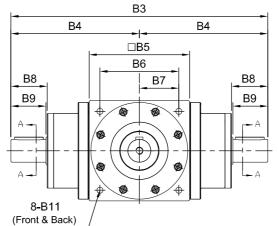
RATIO: 1.2.3.4.5 (單段 1-Stage)

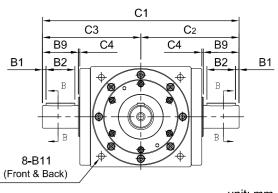
雙入力軸心 - 雙出力軸心

Double Input Shaft - Double Output Shaft









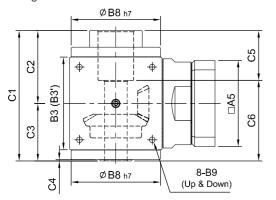
	(Fror	nt & Back)								
	Model Code	65	65(1:1)	75	90	110	140	170	210	
^	A1	14	14	16	18	22	32	40	50	
Α	A2	5	5	5	6	6	10	12	14	
	A3	16	16	18	20.5	24.5	35	43	53.5	
	A4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	
	B1	2.5	2.5	2.5	5	5	5	5	5	
	B2	15	15	25	25	30	40	50	65	
	B3	190	190	210	247	304	360	430	540	
	B4	95	95	105	123.5	152	180	215	270	
	B5(B5')	65	65	75(74)	90	110	140	170	210	
В	B6	52	52	60	72	88	110	134	170	
	B7	26	26	30	36	44	55	67	85	
	B8	22	22	32	38	43	53.5	64	77	
	B9	20	20	30	35	40	50	60	75	
	B10	62	64	73	88	106	135	164	205	
	B11	M5 x P0.8	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0	
	C1	124	129	160	188	224	274	324	400	
С	C2	62	64.5	80	94	112	137	162	200	
	C3	62	64.5	80	94	112	137	162	200	
	C4	2	2	2	2	2	2	2	2	
	D1	14	14	16	18	22	32	40	50	
D	D2	5	5	5	6	6	10	12	14	
	D3	16	16	18	20.5	24.5	35	43	53.5	
	D4	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M5 x P0.8	M10 x P1.5	M12 x P1.75	M12 x P1.75	
Weight	重量	2.85	2.85	3.6	6.2	11.5	18	28	57	

ST-FP series

RATIO: 2.3.4.5 (單段 1-Stage)

入力法蘭 - 螺桿式

Input Flange - Ball Screw

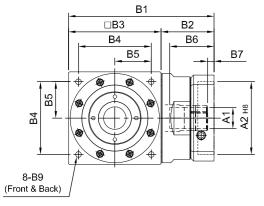


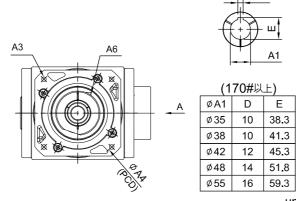
6-D1
PCD D2

Ø D3

A VIEW

R 軸 Shaft Direction





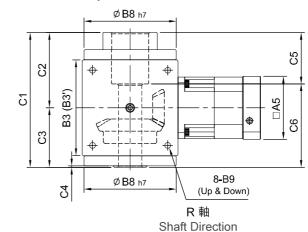
							unit: mm
	Model Code	75	90	110	140	170	210
	A1	14 ` 19	16 \ 19 \ 22 \ 24	19 \ 22 \ 24	24 \ 28 \ 32 \ 35	35 ` 38	35 \ 38 \ 42 \ 48 \ 55
	A2	50 \ 60 \ 70	70 \ 80 \ 95 \ 110	70 \ 80 \ 95 \ 110	95 \ 110 \ 130	110 \ 130 \ 180	114.3 \ 180 \ 230
Α	А3	M4 · M5 · M6	M5 · M6 · M8	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M120	M10 · M12 · M16
	A4	70 ` 75 ` 90	90 \ 100 \ 115 \ 145	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200	200 \ 215 \ 265
	A5	64 ` 70 ` 80	92 ` 110 ` 130	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190	182 \ 200 \ 250
	A6	M5 x P0.8	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5
	B1	115 ` 122	148 · 162	177 · 191	224 ` 238	274	357 ` 359
	B2	40	58 ` 72	67 · 81	84 \ 98	104	147
	B3(B3')	75(74)	90	110	140	170	210
	B4	60	72	88	110	134	170
В	B5	30	36	44	55	67	85
	В6	36 ` 43	51 ` 65.5	51 ` 65.5	68 ` 81	84.5	117
	В7	7 ` 13	9 ` 23.5	9 ` 23.5	9 ` 10	9.5	14 ` 16
	В8	73	88	106	135	164	205
	В9	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	C1	106	127	156	197	223	267
	C2	57	68	84	109	121	142
С	C3	49	59	72	88	102	125
C	C4	1.25	2	2	2	2.25	2.25
	C5	33	44	55	75	72	82
	C6	73	83	101	122	153	185
	D1	M4 x P0.7	M5 x P0.8	M5 x P0.8	M8 x P1.25	M10 x P1.5	M10 x P1.5
	D2	36	40	45	70	77	84
D	D3	41.7	46.7	57.7	79.7	89.7	99.7
	D4	26	30	36	54	58	64
	D5	15	18	22	34	38	42
Weight	重量	2.4	4.3	7.1	14.9	24.5	46

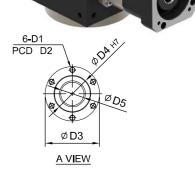
ST-RP series

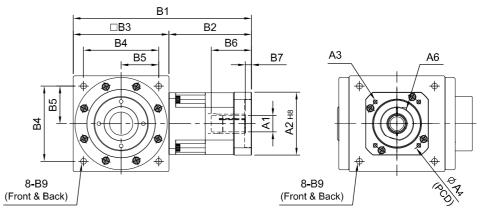
RATIO : 10.15.20.25.30.<mark>40.50 (</mark>雙段 2-Stage)

搭配行星減速機 - 螺桿式

Fitted with Planetary Reducer - Ball Screw







		5 <u>A1</u>
(210#)
ØA1	D	Е
Ø28	8	31.3
Ø32	10	35.3
Ø35	10	38.3
Ø38	10	41.3

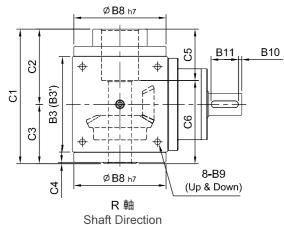
	(Fro	ont & Back))		(Front & Baci	K)	9/	unit: mm
		Model Code	75	90	110	140	170	210
		A1	8 \ 9 \ 11 \ 14	11 \ 14 \ 16 \ 19	(14) ` 16 ` 19	16 \ 19 \ 22 \ 24	22 \ 24 \ 28 \ 32 \ 35	28 \ 32 \ 35 \ 38
	^	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180
	Α	А3	M3 \ M4 \ M5	M4 · M5 · M6	M5 · M6	M5 \ M6 \ M8	M6 · M8 · M10	M8 · M10 · M12
		A4	46 \ 60 \ 63	70 \ 75 \ 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200
		A5	46 ` 55	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 \ 130 \ 150	146 ` 150 ` 190
		A6	M4 x P0.7	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5
		B1	149	165 ` 173	191	260	313 ` 334	399
		B2	62	75 ` 83	81	120	143 ` 164	189
		B3(B3')	75(74)	90	110	140	170	210
		B4	60	72	88	110	134	170
	В	B5	30	36	44	55	67	85
		В6	26	33.5 \ 41.5	33.5	59	67 ` 83	85
		B7	5	6	6	9	10 ` 11	10
		B8	73	88	106	135	164	205
		B9	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
		C1	106	127	156	197	223	267
		C2	57	68	84	109	121	142
	С	C3	49	59	72	88	102	125
	C	C4	1.25	2	2	2	2.25	2.25
		C5	33	44	55	75	72	82
		C6	73	83	101	122	153	185
		D1	M4 x P0.7	M5 x P0.8	M5 x P0.8	M8 x P1.25	M10 x P1.5	M10 x P1.5
		D2	36	40	45	70	77	84
	D	D3	41.7	46.7	57.7	79.7	89.7	99.7
		D4	26	30	36	54	58	64
		D5	15	18	22	34	38	42
V	Veight	重量	3.6	4.8	8.5	14.2	24	52

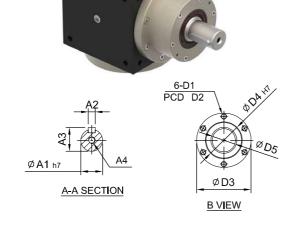
ST-DP series

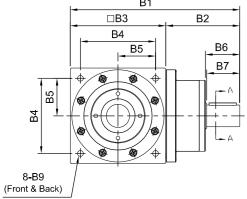
RATIO: 2.3.4.5 (單段 1-Stage)

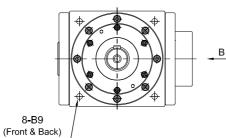
單入力軸心 - 螺桿式

Single Input Shaft - Ball Screw









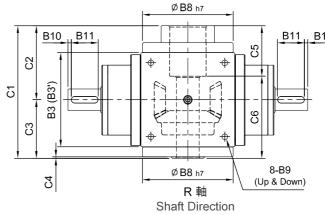
	(1.10111)	a Basity		(1 Tollic & D	uoit)		unit: mm
	Model Code	75	90	110	140	170	210
	A1	16	18	22	32	40	50
Α	A2	5	6	6	10	12	14
	A3	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	143	169	207	250	300	375
	B2	68	79	97	110	130	165
	B3(B3')	75(74)	90	110	140	170	210
	B4	60	72	88	110	134	170
	B5	30	36	44	55	67	85
В	В6	32	38	43	53.5	64	77
	B7	30	35	40	50	60	75
	B8	73	88	106	135	164	205
	В9	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	B10	2.5	5	5	5	5	5
	B11	25	25	30	40	50	65
	C1	106	127	156	197	223	267
	C2	57	68	84	109	121	142
С	C3	49	59	72	88	102	125
C	C4	1.25	2	2	2	2.25	2.25
	C5	33	44	55	75	72	82
	C6	73	83	101	122	153	185
	D1	M4 x P0.7	M5 x P0.8	M5 x P0.8	M8 x P1.25	M10 x P1.5	M10 x P1.5
	D2	36	40	45	70	77	84
D	D3	41.7	46.7	57.7	79.7	89.7	99.7
	D4	26	30	36	54	58	64
	D5	15	18	22	34	38	42
Weight	重量	2.8	4.9	8.59	15.5	25	53

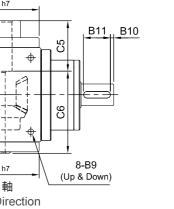
ST-YP series

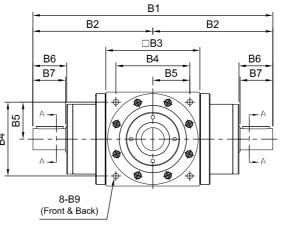
RATIO: 2.3.4.5 (單段 1-Stage)

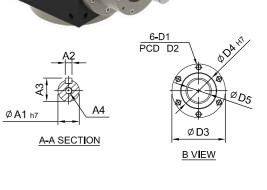
雙入力軸心 - 螺桿式

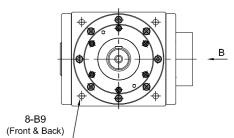
Double Input Shaft - Ball Screw









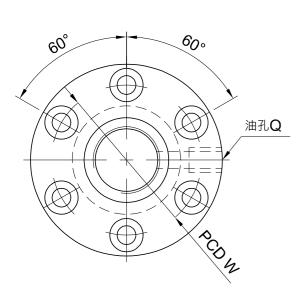


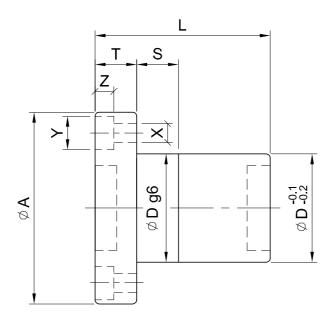
		(Front & Back)		<u>(F</u>	ront & Back)		unit: mm
	Model Code	75	90	110	140	170	210
Α.	A1	16	18	22	32	40	50
Α	A2	5	6	6	10	12	14
	A3	18	20.5	24.5	35	43	53.5
	A4	M5 x P0.8	M8 x P1.25	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	210	247	304	360	430	540
	B2	105	123.5	152	180	215	270
	B3(B3')	75(74)	90	110	140	170	210
	B4	60	72	88	110	134	170
	B5	30	36	44	55	67	85
В	B6	32	38	43	53.5	64	77
	B7	30	35	40	50	60	75
	B8	73	88	106	135	164	205
	B9	M6 x P1.0	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M16 x P2.0
	B10	2.5	5	5	5	5	5
	B11	25	25	30	40	50	65
	C1	106	127	156	197	223	267
	C2	57	68	84	109	121	142
С	C3	49	59	72	88	102	125
	C4	1.25	2	2	2	2.25	2.25
	C5	33	44	55	75	72	82
	C6	73	83	101	122	153	185
	D1	M4 x P0.7	M5 x P0.8	M5 x P0.8	M8 x P1.25	M10 x P1.5	M10 x P1.5
	D2	36	40	45	70	77	84
D	D3	41.7	46.7	57.7	79.7	89.7	99.7
	D4	26	30	36	54	58	64
	D5	15	18	22	34	38	42
Weight	重量	3.6	6.2	11.5	18	28	57

Reference Information of Ball Screw

滾珠螺桿參考資料







配合 減速機 型號		尺寸 v Size	基本額別 Basic Load(Rate	螺 N		F	法蘭 F l ange	Э	配合 FIT		螺絲孔 rew B		油孔 Oil Hole	螺桿 長度
Model of Reducer	外徑 O.D.	導程 Lead	動負荷 Dynamic	靜負荷 Static	Dg6	L	А	Т	W	S	Х	Y	Z	Q	Length
75	14	5	720	1010	26	42	46	10	36	10	4.5	8	4.5	M6 x P1.0	≦ 500
90	16	6	980	1650	30	55	54	12	40	12	5.5	9.5	5.5	M6 x P1.0	≦ 800
110	20	10	860	1710	36	66	57	12	45	12	5.5	9.5	5.5	M6 x P1.0	≦ 1000
140	32	10	3340	7080	54	90	88	16	70	15	9	14	8.5	M8 x P1	≦ 1200
170	36	10	3600	8280	58	89	98	18	77	20	11	17.5	11	M8 x P1	≦ 1500
210	40	10	4670	11830	64	99	106	18	84	20	11	17.5	11	M8 x P1	≦ 1500

笔记:	
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	·····
2.41134 1134114134 1134114	
P eccellos de l'accellos de l'	

FT series

Indication of Model Number ■

機種型號表示

FT 60 F O B - 5 - MOTOR

減速機機型	型號	入力表示	出力表示	軸承形式	速比	馬達型號
Туре	Model	Input	Output	Bearing	Ratio	Motor Type
FT	60 70	F: 入力法蘭 Input Flange R44: 減速機 Reducer 1-Stage: R44、R62 2-Stage: R44S、R62S 2-Stage (A-Type): R62A	O: 中空軸 Hollow Shaft P: 出力盤式 Fixing Flange C: 迫緊環 Set Collar	B: 滾珠軸承 Ba ll Bearing	2 3 4 5 10 15 20 25 30 40 50	

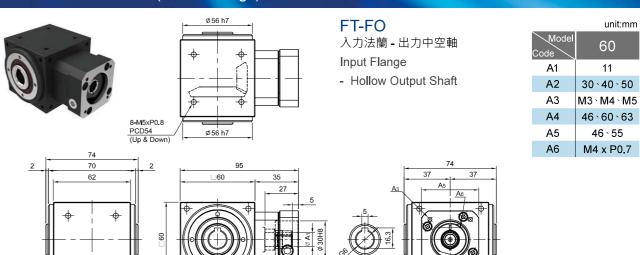
	(1) = 1	單位	<u>'</u>	單段 1-Stage 雙段 2-Stage					
規格 Model No.	代號	Unit	速比 Ratio	60	70	速比 Ratio	60	70	
			2	15	22	10	15	22	
			3	13	18	15	13	18	
京中 を は で ・ の ・ は ・ の ・ は ・ の ・ は ・ の			4	13	18	20	13	18	
額定輸出扭矩 / Rated Output Torque (Nominal output torque)	T_{2N}	Nm	5	12	16	25	12	16	
(Norninal output torque)						30	13	18	
						40	13	18	
						50	12	16	
最大加速扭矩 / Max. Acceleration Torque	$T_{2\mathrm{B}}$	Nm	2~5 10~50	1.5 倍图	頁定輸出扭矩	1.5 Times of F	Rated Output	Torque	
額定輸入轉速 / Rated Input Speed	$n_{ m lN}$	rpm	2~5	3,000	3,000	10~50	3,000	3,000	
最大輸入轉速 / Max. Input Speed	n_{1B}	rpm	2~5	7,000	7,000	10~50	7,000	7,000	
背隙 / Backlash		arcmin	2~5	≦ 10	≦ 10	10~50	≦ 12	≦ 12	
容許徑向力 / Max. Radial Force 滾珠軸承 Ball Bearing	$F_{ m 2rB}$	N	2~5	600	800	10~50	600	800	
容許軸向力 / Max. Axial Force 滾珠軸承 Ball Bearing	F_{2aB}	N	2~5	300	400	10~50	300	400	
使用壽命 / Service Life	L_{H}	hr	2~5 10~50	S5 周期運轉: >20,000 (S1 連續運轉: >10,000 hrs) S5 Cycle Operation: >20,000 (S1 Continuous peration: >10,000 hrs)					
效 率 / Efficiency	η	%	2~5	94% -	94% ~ 98%		90%	~ 94%	
使用溫度 / Operating Temperature		°C	2~5 10~50		-	-10°C ~ +90°C			
潤 滑 / Lubrication			2~5 10~50		全合成潤湯	骨油脂 Synthe	tic Grease		
噪音值/Noise Level		dB	2~5	68	70	10~50	70	72	

轉動慣量 Mass Moments of Inertia (kgcm²)

規格 Model No.		單位	<u> </u>	單段 1-Stage	9	雙段 2-Stage			
税付 Model No.	代號	Unit	速比 Ratio	60	70	速比 Ratio	60	70	
			2	0.32	0.80	10	0.04	0.10	
			3	0.30	0.75	15	0.04	0.10	
轉動慣量 / Mass Moments of Inertia		Nm	4	0.30	0.70	20	0.04	0.10	
	kgcm ²		5	0.29	0.68	25	0.04	0.10	
						30	0.04	0.10	
						40	0.04	0.10	
						50	0.04	0.10	

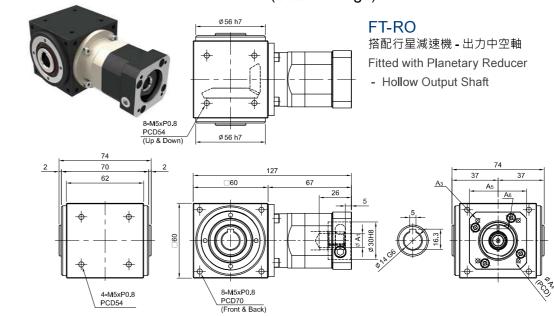
MODEL: FT-60

RATIO: 2.3.4.5 (單段 1-Stage)



MODEL: FT-60

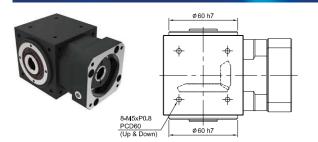
RATIO: 10.15.20.25.30.40.50 (雙段 2-Stage)



Model 60
A1 8 · 11
A2 30 · 40 · 50
A3 M3 · M4 · M5
A4 46 · 60 · 63
A5 46 · 55
A6 M4 x P0.7

MODEL: FT-70

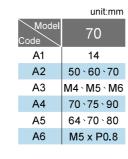
RATIO : 2.3.4.5(單段 1-Stage)

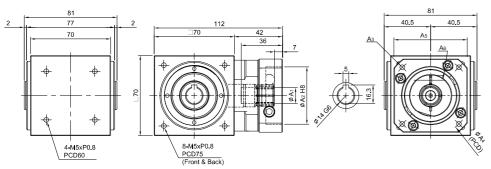


FT-FO

入力法蘭 - 出力中空軸 Input Flange

- Hollow Output Shaft





FT-FP

FT-FC

入力法蘭 - 出力迫緊環

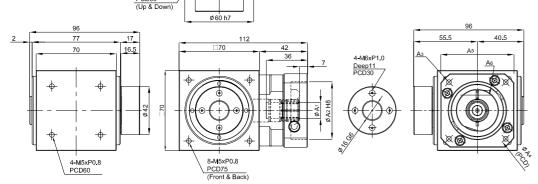
Input Flange - Set Collar

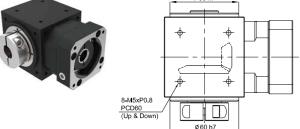
入力法蘭 - 出力盤式 Input Flange - Fixing Flange

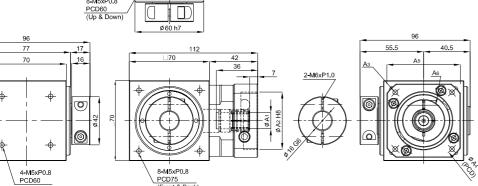
Code	70
A1	14
A2	50 \ 60 \ 70
А3	M4 · M5 · M6
A4	70 ` 75 ` 90
A5	64 ` 70 ` 80
A6	M5 x P0.8

Model

unit:mm

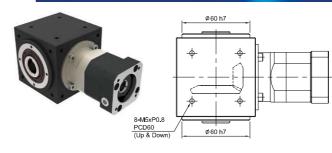






MODEL: FT-70

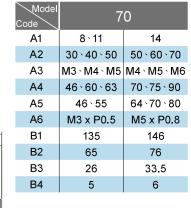
RATIO: 10.15.20.25.30.40.50 (雙段 2-Stage)



FT-RO

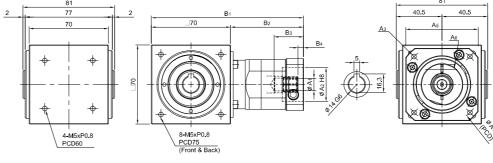
搭配行星減速機 - 出力中空軸 Fitted with Planetary Reducer

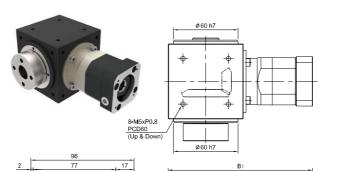
- Hollow Output Shaft



unit:mm

單位 unit:mm

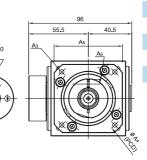




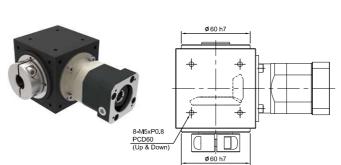
FT-RP

搭配行星減速機 - 出力盤式 Fitted with Planetary Reducer

- Fixing Flange



Code	7	0
A1	8 ` 11	14
A2	30 \ 40 \ 50	50 \ 60 \ 70
A3	M3 · M4 · M5	M4 · M5 · M6
A4	46 \ 60 \ 63	70 \ 75 \ 90
A 5	46 ` 55	64 ` 70 ` 80
A6	M3 x P0.5	M5 x P0.8
B1	135	146
B2	65	76
В3	26	33.5
B4	5	6

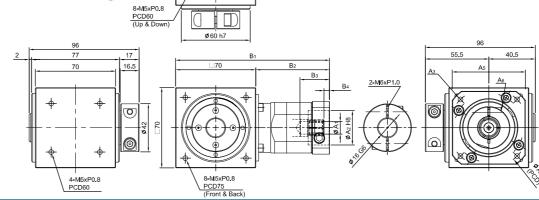


4-M5xP0.8 PCD60 8-M5xP0.8 PCD75 (Front & Back)

FT-RC

搭配行星減速機 - 出力迫緊環 Fitted with Planetary Reducer

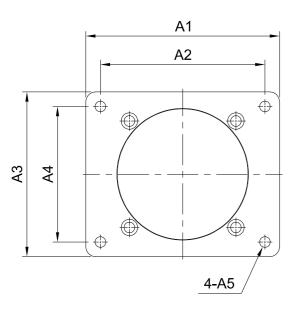
- Set Collar

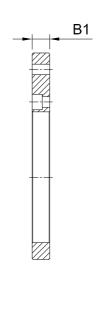


Fixing Plate

固定座







Indication of Fixing Plate

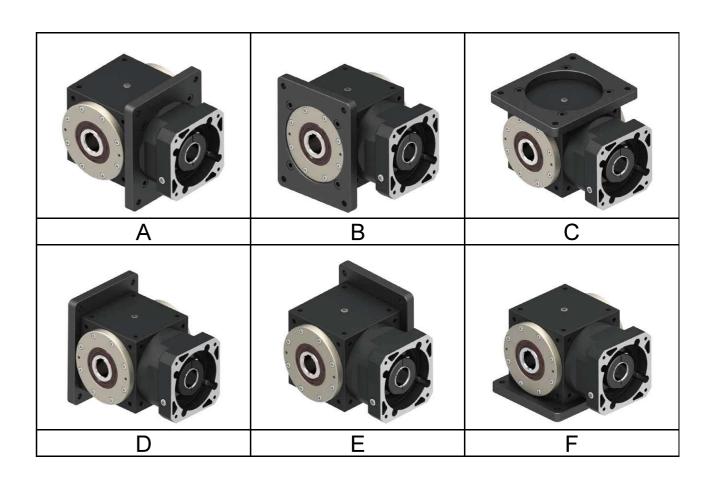
固定座料號表示

FP	90	- F
固定座機型 Type	型號 Model	安裝方式 Direction
FP	65 · 75 · 90 · 110 · 140 · 170 · 210	A · B · C · D · E · F

unit:mm A2 А3 B1

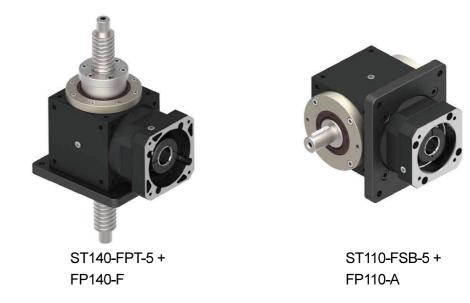
Selection Direction of Fixing Plate

固定座安裝方式選擇



Installation Example of Fixing Plate

固定座安裝方式範例



HY series

Indication of Model Number

機種型號表示

戏俚尘	<u> ゴルイ</u> ス/	·					
HY	55	- F	O	В	5	L	– P0
減速機機型	型號	入力表示	出力表示	軸承形式	速比	軸向	背隙等級
Туре	Model	Input	Output	Bearing	Ratio	Shaft	Backlash
						Direction	Class
HY	55	F: 入力法蘭	O: 出力中空軸	B: 滾珠軸承	單段 1 - Stage	L : 左軸	P0
	75	Input Flange	Ho ll ow Output Shaft	Ba ll Bearing	5, 10, 15	Left Shaft	P1
	90	R44: 減速機 Reducer	N: 單邊免鍵軸套	(55#~190#)		R: 右軸	P2
	115	1-Stage:	Single Clamping			Right Shaft	
	130	R44 · R62	M: 雙邊免鍵軸套	T: 滾錐軸承	搭配單段		
	140	2-Stage:	Double Clamping	Taper	行星減速機		
	160	R62S	S: 單出力軸心 (有鍵槽)	Bearing	With 1-Stage	1. 出力形式 N 、	
	190	2-Stage (A-Type) :	Single Output Shaft	(90#~190#)	Planetary	S可以選擇軸向	
		R44A · R62A	(Keyway)		Reducer	Shaft direction	
		D: 單入力軸心 (有鍵槽)	S1: 單出力軸心 (無鍵槽)		25 ~ 150	is optional for	
		Single Input Shaft	Single Output Shaft			output type N,	
		(Keyway)	(No Keyway)		搭配雙段	S.	
		D1: 單入力軸心 (無鍵槽)	V: 雙出力軸心 (有鍵槽)		行星減速機		
		Single Input Shaft	Double Output Shaft		With 2-Stage	2. 出力形式 P	
		(No Keyway)	(Keyway)		Planetary	為 R 軸向	
			V1: 雙出力軸心 (無鍵槽)		Reducer	Output type P	
			Double Output Shaft		250 ~ 1500	only for R shaft.	
			(No Keyway)				
. 6	9	The state of the s	P: 螺桿式 (75#~190#)				
			Ball Screw				
		70-1	限用滾錐軸承				
0 0 0			Taper Bearing Only				

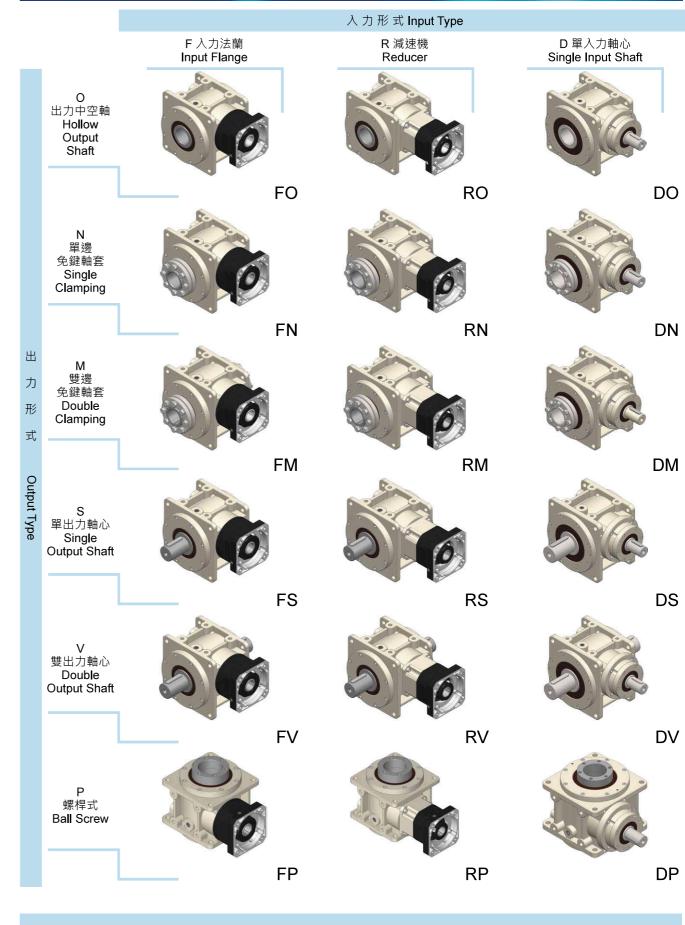
The Model & Ratio Table of Hypoid Gear Reducer Assembly Planetary Reducer

戟齒輪減速機搭配行星減速機型號及速比一覽表

減速比 Ratio	法蘭盤框號 Flange Model	減速機框號 Planetary Reducer Model	單段行星減速機減速比 Ratio of 1-Stage Planetary Reducer 5 ` 10	雙段行星減速機減速比 Ratio of 2-Stage Planetary Reducer 25 · 50 · 100
	44	44		
	62	62		
	90	80	搭配單段行星減速機減速比 Ratio of Bevel Gear Recucer with 1-Stage Planetary Reducer	搭配雙段行星減速機減速比
5	90	90		Ratio of Bevel Gear Recucer
10 15	120	120	05 50 75 400 450	with 2-Stage Planetary Reducer
	142	142	25 \ 50 \ 75 \ 100 \ 150	250 \ 500 \ 750 \ 1000 \ 1500
	142	142		
	180	180		
	Ratio 5 10	Flange Model 44 62 90 510 15 142 142	Flange Planetary Reducer Model	減速比 Ratio 法蘭盤性號 Flange Model Natio Planetary Reducer Model Ratio of 1-Stage Planetary Reducer 5 \ 10 44 44 62 62 90 80 搭配單段行星減速機減速比 Ratio of Bevel Gear Recucer with 1-Stage Planetary Reducer 10 120 120 142 142 25 \ 50 \ 75 \ 100 \ 150

Selection of Type

產品樣式選擇

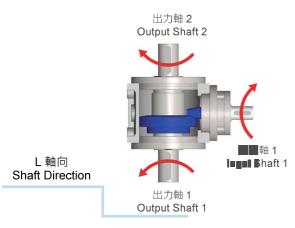


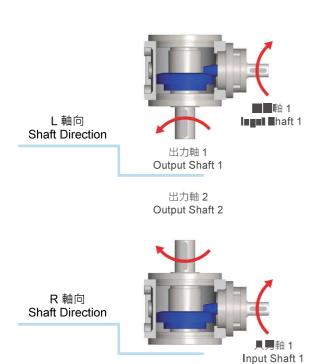
1. 出力形式 N、S 可以選擇軸向。Shaft direction is optional for output type N, S. 2. 出力形式 P 為 R 軸向。Output type P only for R shaft.

Rotating Direction

旋轉方向說明



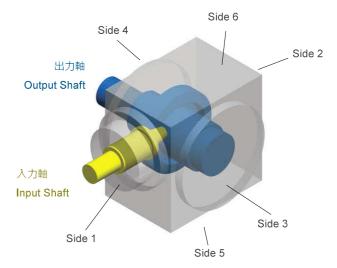


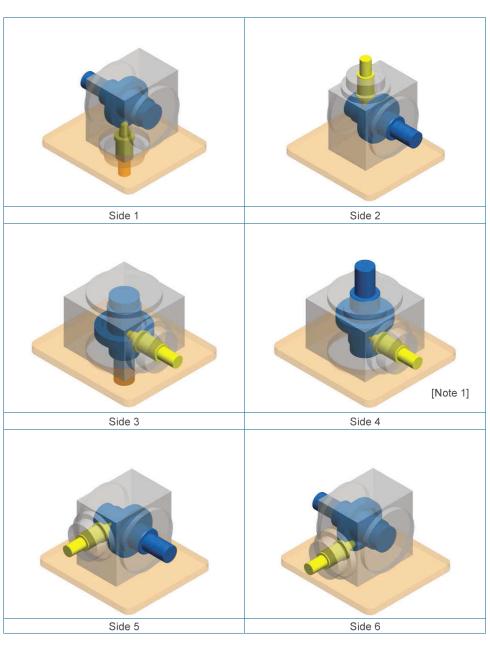


本公司出廠標準品使用「標準軸向」・R 軸向請於訂單上註明。 Standard product is L shaft direction, R shaft direction is optional.

Selection Direction of Installation

安裝方向選擇

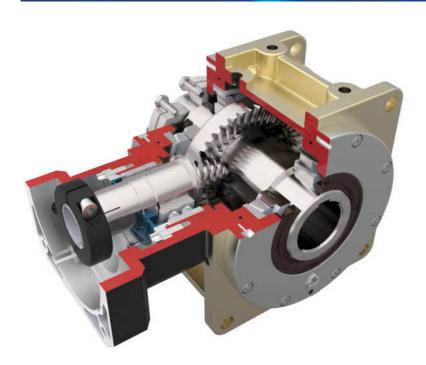




[Note 1] 出力軸端端面基準線朝上時· 需特別告知其使用方式。 Side 4 operation shall be avoid.

Features of HY Series

HY 系列產品特點



在設計 HYGear 時,已充分考慮到它將運用在及其廣泛的領域中。 特別是在高動力伺服驅動應用中,將帶給用戶獨一無二的優勢。

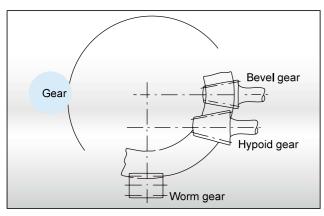


低背隙

- 格里森高減速比戟齒輪·標準品單級可達 1/15。
- 可訂製減速比單級 1/20~1/60

Super-Reduction-Hypoid Gear

- Gleason super-reduction-hypoid gear tooth system, the max. single stage ratio is 1/15.
- Single stage ratio 1/20~1/60 is optional.

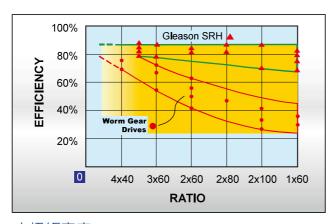


高扭矩密度

- 一體式齒箱本體確保最大剛性與耐蝕性。
- 結構緊湊·富有剛性的設計保證了在小體 積·重量輕的情況下能夠達到最高扭矩及較 大的減速比。

High Output Torque

The gear box is one-piece constructed to ensure the high rigidity and corrosionresistant capability.



高扭矩密度

■ 減速機的效率高達90% 大大節省能源成本。

High Output Torque

High running efficiency, the effiency more then 90%.

Features of HY Series

HY 系列產品特點



低背隙

- 使用 Gleason 參數齒輪加工設備,加工研磨等級的螺旋傘齒輪,確保低背隙、低噪音。
- 背隙最小可達 2 弧分以內。

Low Backlash

- Using Gleason high precision CNC grinding machine to grinding the spiral bevel gears.
- Torsional backlash depending on design up to <2 arcmin



安裝位置

- 多重精密加工表面易於組裝‧適用於 任意安裝方向。
- 入出力軸的設計可以適用於各種工業 上應用的需求。

Mounting Position

- Multiple precision machined surface is easy for assembly, suitable for any optional mounting orientation.
- Output shaft and input shaft are designed to suit for various industries applications.

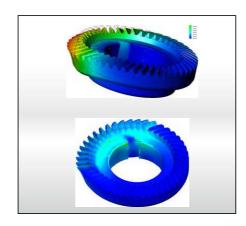


更高的減速比

● 高精密研磨的蝸線傘齒輪組結合最 佳化設計的行星式齒輪組可以達到 1500:1 的減速比。

More High Gear Ratio

 High precision grinded and carburized spiral bevel gears with optimal designed planetary gear can do ratio 1500: 1.

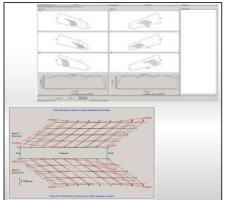


CAE 設計分析技術

 利用 3D-CAE 軟體的設計分析技術, 對減速機整體強度及螺旋傘齒輪進行 分析,增加齒輪系及減速機的使用壽 命。

CAE Design and Analysis

 Employs 3D-CAE software for analysis and design, the software allows for analyzing the strength of the entire gear reducer and helical teeth. Increasing the service life of gears and the gear reducer.

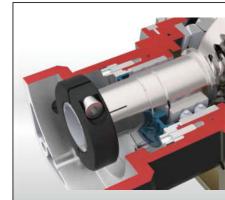


最優化的設計

 採用 Gleason 參數齒輪設計軟件,得 到最佳化接觸面積的齒印參數,保證 了最高扭矩以及最小噪音。

Optimized Design

 Use Gleason's design software to design new spiral bevel gears.
 Through the ideal gear contact pattern for application, achieve high permissible output torque.



筒夾式連結機構

輸入端與馬達的連結採用筒夾式的鎖 緊機構,並經動平衡分析,以確保在 高輸入轉速下結合介面的同心度和平 衡度,及零背隙的動力傳遞。

Collet Locking Mechanism

 The input-end and the motor are coupled through a collet locking meshanism. It has passed dynamical balance analysis to assure concentricity and balance on the connection and no backlash for power transmission while running at high speed.

Characteristic of HY Series

HY 系列產品特性

單段減速機 1-Stage

規格 Model No.	代號	單位 Unit	速比 Ratio	55	75	90	115	130	140	160	190
			5	35	70	140	260	430	720	1,100	1,440
額定輸出扭矩 / Rated Output Torque (Nominal output torque)	T_{2N}	Nm	10	30	60	117	220	365	615	957	1,230
			15	25	50	95	180	300	510	815	1,020
最大加速扭矩 / Max. Acceleration Torque	T_{2B}	Nm	5~15		1.5 倍額	定輸出扭知	₫ 1.5 Tin	nes of Rat	ted Outpu	t Torque	
最大輸出扭矩 / Max. Output Torque 急停扭矩 / Emergency Stop Torque	T_{2NOT}	Nm	5~15		3 倍額定輸出扭矩 3 Times of Rated Output Torque						
額定輸入轉速 / Rated Input Speed	n_{lN}	rpm	5~15	3,000	3,000	3,000	3,000	2,500	2,500	2,000	2,000
最大輸入轉速 / Max. Input Speed	n_{1B}	rpm	5~15	6,000	6,000	6,000	6,000	5,000	5,000	4,000	4,000
			P0	-	-	≦ 3	≦ 3	≦ 3	≦ 3	≦ 3	≦ 3
背隙 / Backlash	$J_{ m t}$	arcmin	P1	≦ 6	≦ 6	≦ 6	≦ 6	≦6	≦ 6	≦ 6	≦ 6
			P2	≦ 9	≦ 9	≦ 9	≦ 9	≦9	≦ 9	≦ 9	≦ 9
容許徑向力 / Max. Radial Force 滾珠軸承 Ball Bearing	$F_{ m 2rB}$	N	5~15	1,495	2,366	2,691	4,797	5,837	7,020	9,490	12,337
容許軸向力 / Max. Axial Force 滾珠軸承 Ball Bearing	$F_{ m 2aB}$	N	5~15	748	1,183	1,346	2,399	2,919	3,510	4,745	6,169
容許徑向力 / Max. Radial Force 滾錐軸承 Taper Bearing	$F_{ m 2rB}$	N	5~15	-	- 5,000(P)	5,523 6,545(P)	9,100	12,320	14,420	18,620	24,080
容許軸向力 / Max. Axial Force 滾錐軸承 Taper Bearing	F_{2aB}	N	5~15	-	_ 2,500(P)	2,762 3,273(P)	4,550	6,160	7,210	9,310	12,040
使用壽命 / Service Life	L_{H}	hr	5~15	S5 Cy		期運轉 : >3 tion: >30,0	,			,	00 hrs)
效 率 / Efficiency	10	%	5				≧ 9	6%			
双 李 / Efficiency	η	70	10~15				≧ 9	3%			
使用溫度 / Operating Temperature		℃	5~15 -10°C ~ +90°C								
潤 滑 / Lubrication			5~15			全合	成潤滑油	Synthetic	Oil		
噪音值/Noise Level		dB	5~15	≦ 67	≦ 67	≦ 69	≦ 69	≦ 71	≦ 71	≦72	≦72

註:(P)螺桿式 NOTE:(P) Ball Screw

轉動慣量 Mass Moments of Inertia (kgcm²)

+0.20 D. = 10			~ (go /					
速比 Ratio	55	75	90	115	130	140	160	190
5	0.23	0.58	1.41	4.00	7.12	13.53	24.76	44.29
10	0.15	0.38	1.00	2.46	4.27	7.38	12.47	21.43
15	0.13	0.34	0.81	2.07	3.45	5.76	9.23	15.53

Characteristic of HY Series

HY 系列產品特性

雙段減速機 2-Stage

規格 Model No.	代號	單位 Unit	速比 Ratio	55	75	90	115	130	140	160	190
節中於山切佐 / Dated Output Targura			25, 50	35	70	140	260	430	720	1,100	1,440
額定輸出扭矩 / Rated Output Torque (Nominal output torque)	T_{2N}	Nm	100	30	60	117	220	365	615	957	1,230
			75, 150	25	50	95	180	300	510	815	1,020
最大加速扭矩 / Max. Acceleration Torque	$T_{2\mathrm{B}}$	Nm	25~150		1.5 倍額定	輸出扭矩	1.5 Tim	nes of Ra	ited Outp	ut Torqu	е
最大輸出扭矩 / Max. Output Torque 急停扭矩 / Emergency Stop Torque	T_{2NOT}	Nm	25~150	3 倍額定輸出扭矩 3 Times of Rated Output Torque						Torque	
額定輸入轉速 / Rated Input Speed	n_{1N}	rpm	25~150	3,000	3,000	3,000	3,000	3,000	3,000	2,000	3,000
最大輸入轉速 / Max. Input Speed	n_{1B}	rpm	25~150	6,000	6,000	6,000	6,000	5,000	5,000	4,000	4,000
			P0	-	-	≦ 4	≦ 4	≦ 4	≦ 4	≦ 4	≦ 4
背隙 / Backlash	J_{t}	arcmin	P1	≦ 7	≦ 7	≦ 7	≦ 7	≦ 7	≦ 7	≦ 7	≦ 7
			P2	≦ 10	≦ 10	≦ 10	≦ 10	≦ 10	≦ 10	≦ 10	≦ 10
容許徑向力 / Max. Radial Force 滾珠軸承 Ball Bearing	$F_{ m 2rB}$	N	25~150	1,495	2,366	2,691	4,797	5,837	7,020	9,490	12,337
容許軸向力 / Max. Axial Force 滾珠軸承 Ball Bearing	F_{2aB}	N	25~150	748	1,183	1,346	2,399	2,919	3,510	4,745	61,69
容許徑向力 / Max. Radial Force 滾錐軸承 Taper Bearing	$F_{ m 2rB}$	N	25~150	-	- 5,000(P)	5,523 6,545(P)	9,100	12,320	14,420	18,620	24,080
容許軸向力 / Max. Axial Force 滾錐軸承 Taper Bearing	F_{2aB}	N	25~150	-	_ 2,500(P)	2,762 3,273(P)	4,550	6,160	7,210	9,310	12,040
使用壽命 / Service Life	$L_{ m H}$	hr	25~150			運轉 : >3(/c l e Oper Ope	ation: >		S1 Contir		
效 率 / Efficiency	n	%	25, 50				≧ 9	2%			
X +7 Enliciency	η	-70	75, 100, 150				≧ 9	0%			
使用溫度 / Operating Temperature		℃	25~150	-10°C ~ +90°C							
潤 滑 / Lubrication			25~150	全合成潤滑油 Synthetic Oil							
噪音值/Noise Level		dB	25~150	≦ 67	≦ 67	<u>≦</u> 69	≦ 69	≦ 71	≦ 71	≦ 72	≦ 72

註:(P) 螺桿式 NOTE: (P) Ball Screw

轉動慣量 Mass Moments of Inertia (kgcm²)

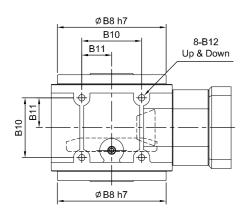
速比 Ratio	55	75	90	115	130	140	160	190				
25	0.39	1.15	1.18	4.9	4.99	7.99	8.27	8.75				
50	0.36	1.05	1.06	4.07	4.09	6.31	6.36	6.45				
75	0.35	0.94	0.96	3.17	3.24	4.04	4.23	4.56				
100	0.34	0.93	0.94	3.12	3.14	3.87	3.92	4.01				
150	0.33	0.92	0.93	3.08	3.06	3.73	3.68	3.59				

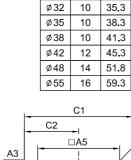
HY-FO series

RATIO : 5.10.15 (單段 1-Stage)

入力法蘭 - 出力中空軸

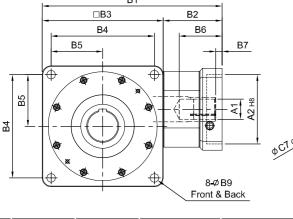
Input Flange - Hollow Output Shaft

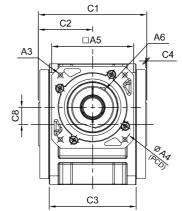




(140#以上)

ØA1 D E





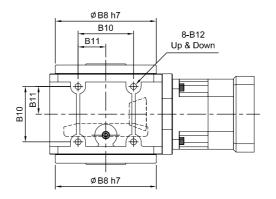
									unit: mm
	Model Code	55	75	90	115	130	140	160	190
	A1	8 · 11	14	14 ` 19 ` 24	19 ` 22 ` 24	24 \ 28 \ 32	32 ` 35	35 ` 38	42 \ 48 \ 55
٨	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 \ 110 \ 130	110 \ 130 \ 180	110 \ 130 \ 180	114.3 \ 180 \ 230 \ 250
Α	A 3	M3 · M4 · M5	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
	A4	46 \ 60 \ 63	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200	145 \ 165 \ 200	200 \ 215 \ 265 \ 300
	A5	46 \ 55	64 ` 70 ` 80	80 \ 92 \ 110	92 \ 110 \ 130	122 \ 130 \ 150	146 \ 150 \ 190	146 \ 150 \ 190	182 \ 200 \ 250 \ 265
	A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	135	172	202 ` 221	241	286	333	358	417 ` 419
	B2	45	57	62 ` 81	71	94	118	118	153 ` 155
	В3	90	115	140	170	192	215	240	264
	B4	78	98	118	144	164	182	206	224
	B5	39	49	59	72	82	91	103	112
В	B6	28	38	49 ` 68.5	58	69.5	81.5	81.5	114.5 ` 116.5
D	B7	5	6	9 ` 23.5	8	10	10	10	11.5 ` 13.5
	B8	84	103	128	148	173	200	227	254
	B9	6.8	9	11	11	13.5	15	17.5	17.5
	B10	44	54	66	80	95	104	120	140
	B11	22	27	33	40	47.5	52	60	70
	B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	88	108	132	156	172	187	212	242
	C2	44	54	66	78	86	93.5	106	121
	C3	60	80	100	120	138	146	166	196
С	C4	2	2	2	2	2	2	2	2
	C5	6	7	8	10	12	14	14	18
	C6	22.8	28.3	33.3	43.3	51.3	58.8	63.8	74.3
	C7	20	25	30	40	48	55	60	70
	C8	9	14	18	23	27	32	38	42
Weight	重量	3.0	4.6	8.3	12.3	18.2	26.6	37.6	59.5

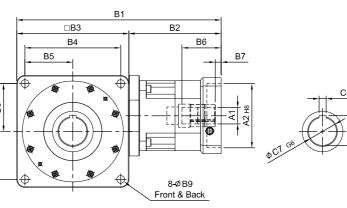
HY-RO series

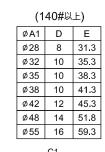
RATIO: 25.50.75.100.150 (雙段 2-Stage)

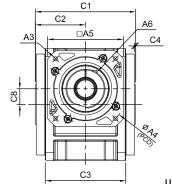
搭配行星減速機 - 出力中空軸

Fitted with Planetary Reducer - Hollow Output Shaft









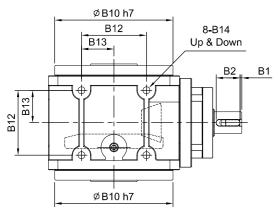
									- 00	→ unit: mm
		Model Code	55	75	90	115	130	140	160	190
	ľ	A1	8 · 9 · 11 · 14	11 \ 14 \ 16 \ 19	(14) ` 16 ` 19	16 \ 19 \ 22 \ 24	22 · 24 · 28 · 32 · 35	28 \ 32 \ 35 \ 38	28 \ 32 \ 35 \ 38	35 \ 38 \ 42 \ 48 \ 55
A	Ą	A2	30 \ 40 \ 50	50 ` 60 ` 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180	110 \ 130 \ 180	114.3 · 180 · 230 · 250
		А3	M3 · M4 · M5	M4 · M5 · M6	M5 \ M6	M5 \ M6 \ M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
		A4	46 \ 60 \ 63	70 \ 75 \ 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200	145 \ 165 \ 200	200 \ 215 \ 265 \ 300
		A5	46 \ 55	64 ` 70 ` 80	80 \ 92 \ 110	92 \ 110 \ 130	122 \ 130 \ 150	146 \ 150 \ 190	146 \ 150 \ 190	182 \ 200 \ 250 \ 265
		A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
		B1	157	201 ` 209	(224.5) `237	287	340 \ 360	405	430	508 ` 510
		B2	67	86 · 94	(84.5) ` 97	117	148 \ 168	190	190	244 ` 246
		В3	90	115	140	170	192	215	240	264
		B4	78	98	118	144	164	182	206	224
		B5	39	49	59	72	82	91	103	112
	3	B6	26	32 \ 41.5	(33.5) \ 45.5	59	67 \ 83	84.5	84.5	114.5 \ 116.5
•	2	B7	5	6	(6) `10	9	10 ` 11	10	10	11.5 \ 13.5
		B8	84	103	128	148	173	200	227	254
		B9	6.8	9	11	11	13.5	15	17.5	17.5
		B10	44	54	66	80	95	104	120	140
		B11	22	27	33	40	47.5	52	60	70
		B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
		C1	88	108	132	156	172	187	212	242
		C2	44	54	66	78	86	93.5	106	121
		C3	60	80	100	120	138	146	166	196
(ا ر	C4	2	2	2	2	2	2	2	2
	١,	C5	6	7	8	10	12	14	14	18
		C6	22.8	28.3	33.3	43.3	51.3	58.8	63.8	74.3
		C7	20	25	30	40	48	55	60	70
		C8	9	14	18	23	27	32	38	42
We	ight	重量	3.5	5.8	10.0	16.0	26.8	41.2	52.1	86.1

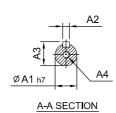
HY-DO series

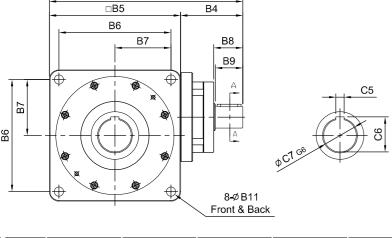
RATIO: 5.10.15 (單段 1-Stage)

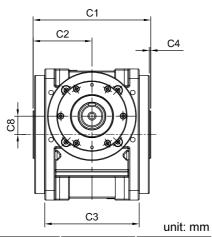
單入力軸心 - 出力中空軸

Single Input Shaft - Hollow Output Shaft









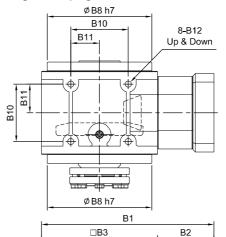
	Model Code	55	75	90	115	130	140	160	190
Α	A1	14	19	24	28	32	32	38	40
^	A2	5	6	8	8	10	10	12	12
	A3	16	21.5	27	31	35	35	41	43
	A4	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	2.5	5	5	5	5
	B2	20	25	35	35	40	40	50	50
	В3	147	181	218	260	293	315	367	403
	B4	57	66	78	90	101	100	127	139
	B5	90	115	140	170	192	215	240	264
	B6	78	98	118	144	164	182	206	224
В	B7	39	49	59	72	82	91	103	112
В	B8	27	32	42.5	42.5	52.5	51.5	63	63.5
	B9	25	30	40	40	50	50	60	60
	B10	84	103	128	148	173	200	227	254
	B11	6.8	9	11	11	13.5	15	17.5	17.5
	B12	44	54	66	80	95	104	120	140
	B13	22	27	33	40	47.5	52	60	70
	B14	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	88	108	132	156	172	187	212	242
	C2	44	54	66	78	86	93.5	106	121
	C3	60	80	100	120	138	146	166	196
С	C4	2	2	2	2	2	2	2	2
	C5	6	7	8	10	12	14	14	18
	C6	22.8	28.3	33.3	43.3	51.3	58.8	63.8	74.3
	C7	20	25	30	40	48	55	60	70
	C8	9	14	18	23	27	32	38	42
Weight	重量	2.9	4.6	8.1	11.0	18.7	25.9	36.8	56.1

HY-FN series

RATIO: 5.10.15 (單段 1-Stage)

入力法蘭 - 單邊免鍵軸套

Input Flange - Single Clamping

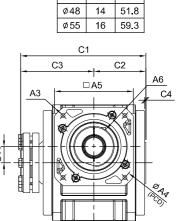


B6

8-ØB9 Front & Back



(140#以上)									
ØA1	D	Е							
Ø32	10	35.3							
Ø 35	10	38.3							
Ø38	10	41.3							
Ø42	12	45.3							



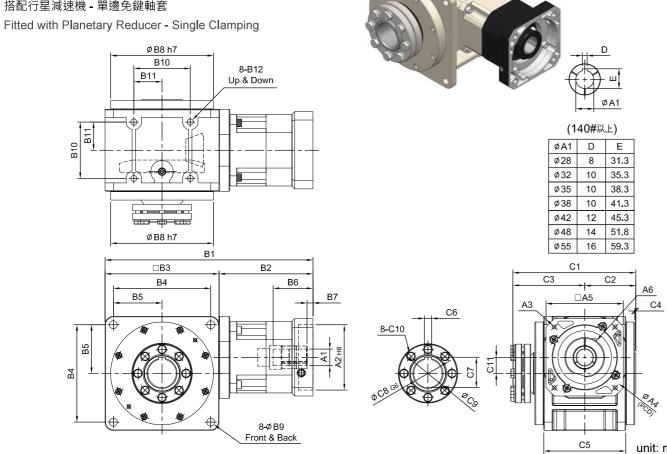
un	it:	m

				~	Tom a Baok			C5	unit: mm
	Mode Code	55	75	90	115	130	140	160	190
	A1	8 · 11	14	14 \ 19 \ 24	19 ` 22 ` 24	24 ` 28 ` 32	32 ` 35	35 ` 38	42 \ 48 \ 55
A	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180	110 \ 130 \ 180	114.3 · 180 · 230 · 250
	A3	M3 · M4 · M5	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
	A4	46 ` 60 ` 63	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 ` 100 ` 115 ` 145	115 \ 145 \ 165	145 \ 165 \ 200	145 \ 165 \ 200	200 \ 215 \ 265 \ 300
	A5	46 ` 55	64 ` 70 ` 80	80 \ 92 \ 110	92 \ 110 \ 130	122 \ 130 \ 150	146 ` 150 ` 190	146 ` 150 ` 190	182 \ 200 \ 250 \ 265
	A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	135	172	202 ` 221	241	286	333	358	417 ` 419
	B2	45	57	62 ` 81	71	94	118	118	153 ` 155
	B3	90	115	140	170	192	215	240	264
	B4	78	98	118	144	164	182	206	224
	B5	39	49	59	72	82	91	103	112
В	B6	28	38	49 ` 68.5	58	69.5	81.5	81.5	114.5 ` 116.5
	B7	5	6	9 ` 23.5	8	10	10	10	11.5 ` 13.5
	B8	84	103	128	148	173	200	227	254
	B9	6.8	9	11	11	13.5	15	17.5	17.5
	B10	44	54	66	80	95	104	120	140
	B11	22	27	33	40	47.5	52	60	70
	B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	109	134	160	189	207	224	249	281
	C2	44	54	66	78	86	93.5	106	121
	C3	65	80	94	111	121	130.5	143	160
	C4	2	2	2	2	2	2	2	2
	C5	60	80	100	120	138	146	166	196
C		6	7	8	10	12	14	14	18
	C7	22.8	28.3	33.3	43.3	51.3	58.8	63.8	74.3
	C8	20	25	30	40	48	55	60	70
	C9	28	34	44	52	60	65	73	83
	C10	M6	M6	M6	M8	M8	M8	M8	M10
	C11	9	14	18	23	27	32	38	42
Weig	ght 重量	3.2	5.0	8.7	13.0	19.3	27.4	39.4	61.7

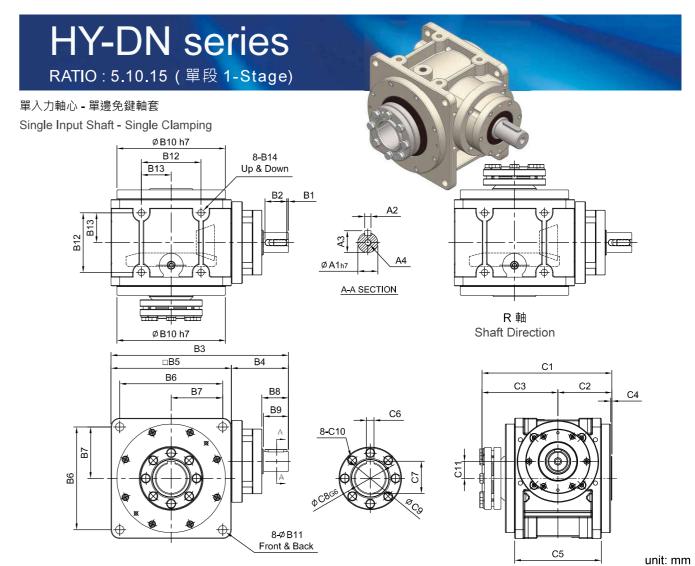
HY-RN series

RATIO: 25.50.75.100.150 (雙段 2-Stage)

搭配行星減速機 - 單邊免鍵軸套



				1 TOTIL &	- Dack			- (unit: mm
	Model Code	55	75	90	115	130	140	160	190
	A1	8 · 9 · 11 · 14	11 · 14 · 16 · 19	(14) ` 16 ` 19	16 \ 19 \ 22 \ 24	22 · 24 · 28 · 32 · 35	28 \ 32 \ 35 \ 38	28 \ 32 \ 35 \ 38	35 \ 38 \ 42 \ 48 \ 55
Α	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 \ 70 \ 80 \ 95	70 \ 80 \ 95 \ 110	95 - 110 - 130	110 - 130 - 180	110 \ 130 \ 180	114.3 \ 180 \ 230 \ 250
	A3	M3 · M4 · M5	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
	A4	46 \ 60 \ 63	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200	145 \ 165 \ 200	200 \ 215 \ 265 \ 300
	A5	46 · 55	64 ` 70 ` 80	80 \ 92 \ 110	92 · 110 · 130	122 \ 130 \ 150	146 \ 150 \ 190	146 \ 150 \ 190	182 \ 200 \ 250 \ 265
	A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	157	201 · 209	(224.5) `237	287	340 \ 360	405	430	508 ` 510
	B2	67	86 · 94	(84.5) \ 97	117	148 \ 168	190	190	244 ` 246
	В3	90	115	140	170	192	215	240	264
	B4	78	98	118	144	164	182	206	224
	B5	39	49	59	72	82	91	103	112
Ъ	B6	26	32 \ 41.5	(33.5) 45.5	59	67 . 83	84.5	84.5	114.5 \ 116.5
В	B7	5	6	(6) · 10	9	10 · 11	10	10	11.5 ` 13.5
	B8	84	103	128	148	173	200	227	254
	В9	6.8	9	11	11	13.5	15	17.5	17.5
	B10	44	54	66	80	95	104	120	140
	B11	22	27	33	40	47.5	52	60	70
	B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	109	134	160	189	207	224	249	281
	C2	44	54	66	78	86	93.5	106	121
	C3	65	80	94	111	121	130.5	143	160
	C4	2	2	2	2	2	2	2	2
	C5	60	80	100	120	138	146	166	196
С	C6	6	7	8	10	12	14	14	18
	C7	22.8	28.3	33.3	43.3	51.3	58.8	63.8	74.3
	C8	20	25	30	40	48	55	60	70
	C9	28	34	44	52	60	65	73	83
	C10	М6	M6	M6	M8	M8	M8	M8	M10
	C11	9	14	18	23	27	32	38	42
Weight	重量	3.8	6.2	10.5	16.7	28.0	41.9	53.9	88.4



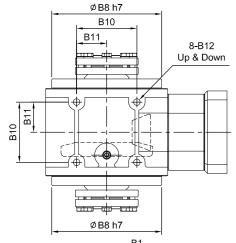
								1 -	- 1	unit. mm
		Model Code	55	75	90	115	130	140	160	190
	^	A1	14	19	24	28	32	32	38	40
	Α	A2	5	6	8	8	10	10	12	12
		А3	16	21.5	27	31	35	35	41	43
		A4	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5	M12 x P1.75	M12 x P1.75
		B1	2.5	2.5	2.5	2.5	5	5	5	5
		B2	20	25	35	35	40	40	50	50
		В3	147	181	218	260	293	315	367	403
		B4	57	66	78	90	101	100	127	139
		B5	90	115	140	170	192	215	240	264
		B6	78	98	118	144	164	182	206	224
	В	B7	39	49	59	72	82	91	103	112
	ם	B8	27	32	42.5	42.5	52.5	51,5	63	63.5
		В9	25	30	40	40	50	50	60	60
		B10	84	103	128	148	173	200	227	254
		B11	6.8	9	11	11	13.5	15	17.5	17.5
		B12	44	54	66	80	95	104	120	140
		B13	22	27	33	40	47.5	52	60	70
		B14	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
		C1	109	134	160	189	207	224	249	281
		C2	44	54	66	78	86	93.5	106	121
		C3	65	80	94	111	121	130.5	143	160
		C4	2	2	2	2	2	2	2	2
		C5	60	80	100	120	138	146	166	196
	С	C6	6	7	8	10	12	14	14	18
		C7	22.8	28.3	33.3	43.3	51.3	58.8	63.8	74.3
		C8	20	25	30	40	48	55	60	70
		C9	28	34	44	52	60	65	73	83
		C10	M6	M6	M6	M8	M8	M8	M8	M10
		C11	9	14	18	23	27	32	38	42
١	Neight	重量	3.1	5.0	8.6	11.6	19.9	27.8	38.6	58.4

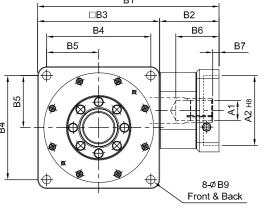
HY-FM series

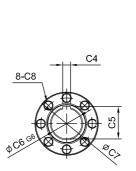
RATIO: 5.10.15 (單段 1-Stage)

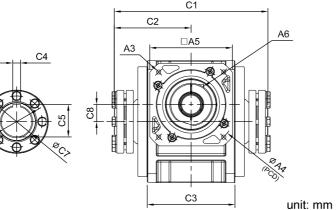
入力法蘭 - 雙邊免鍵軸套

Input Flange - Double Clamping









(140#以上)

ØA1 D E

ø32 | 10 | 35.3

ø35 10 38.3

ø38 10 41.3

ø42 12 45.3

Ø48 14 51.8

ø55 16 59.3

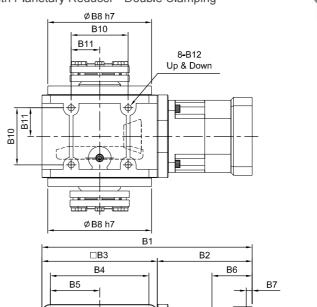
	Model Code	55	75	90	115	130	140	160	190
	A1	8 \ 11	14	14 \ 19 \ 24	19 \ 22 \ 24	24 \ 28 \ 32	32 ` 35	35 ` 38	42 ` 48 ` 55
	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 \ 70 \ 80 \ 95	70 \ 80 \ 95 \ 110		110 \ 130 \ 180		114.3 \ 180 \ 230 \ 250
Α	А3	M3 · M4 · M5	M4 · M5 · M6	M5 · M6			M8 · M10 · M12		M12 · M16
	A4	46 \ 60 \ 63	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200	145 \ 165 \ 200	200 \ 215 \ 265 \ 300
	A5	46 ` 55	64 ` 70 ` 80	80 \ 92 \ 110	92 \ 110 \ 130	122 \ 130 \ 150	146 \ 150 \ 190	146 \ 150 \ 190	182 \ 200 \ 250 \ 265
	A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	135	172	202 ` 221	241	286	333	358	417 · 419
	B2	45	57	62 ` 81	71	94	118	118	153 ` 155
	В3	90	115	140	170	192	215	240	264
	B4	78	98	118	144	164	182	206	224
	B5	39	49	59	72	82	91	103	112
В	B6	28	38	49 \ 68.5	58	69.5	81.5	81.5	114.5 ` 116.5
Ь	B7	5	6	9 ` 23.5	8	10	10	10	11.5 ` 13.5
	B8	84	103	128	148	173	200	227	254
	B9	6.8	9	11	11	13.5	15	17.5	17.5
	B10	44	54	66	80	95	104	120	140
	B11	22	27	33	40	47.5	52	60	70
	B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	130	160	188	222	242	261	286	320
	C2	65	80	94	111	121	130.5	143	160
	C3	60	80	100	120	138	146	166	196
	C4	-	-	-	-	12	14	14	18
С	C5	-	-	-	-	51.3	58.8	63.8	74.3
	C6	20	25	30	40	48	55	60	70
	C7	28	34	44	52	60	65	73	83
	C8	M6	M6	M6	M8	M8	M8	M8	M10
	C9	9	14	18	23	27	32	38	42
Weight	重量	3.5	5.3	9.2	13.7	20.5	28.6	41.0	64.0

HY-RM series

RATIO: 25.50.75.100.150 (雙段 2-Stage)

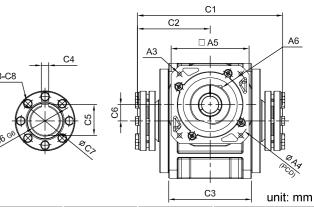
搭配行星減速機 - 雙邊免鍵軸套

Fitted with Planetary Reducer - Double Clamping



8-ØB9 Front & Back



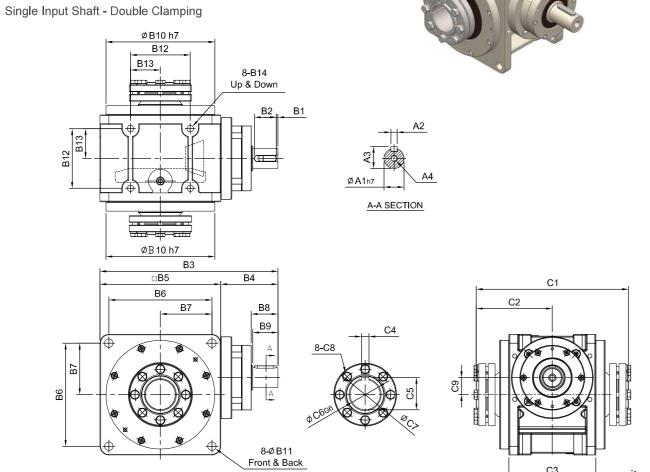


								-	— unit, min
	Model Code	55	75	90	115	130	140	160	190
	A1	8 · 9 · 11 · 14	11 \ 14 \ 16 \ 19	(14) ` 16 ` 19	16 \ 19 \ 22 \ 24	22 · 24 · 28 · 32 · 35	28 \ 32 \ 35 \ 38	28 \ 32 \ 35 \ 38	35 \ 38 \ 42 \ 48 \ 55
^	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 \ 110 \ 130	110 \ 130 \ 180	110 \ 130 \ 180	114.3 \ 180 \ 230 \ 250
Α	А3	M3 · M4 · M5	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
	A4	46 ` 60 ` 63	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 \ 145 \ 165	145 \ 165 \ 200	145 \ 165 \ 200	200 \ 215 \ 265 \ 300
	A5	46 ` 55	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 · 130 · 150	146 ` 150 ` 190	146 ` 150 ` 190	182 \ 200 \ 250 \ 265
	A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	157	201 ` 209	(224.5) `237	287	340 \ 360	405	430	508 ` 510
	B2	67	86 ` 94	(84.5) ` 97	117	148 ` 168	190	190	244 ` 246
	B3	90	115	140	170	192	215	240	264
	B4	78	98	118	144	164	182	206	224
	B5	39	49	59	72	82	91	103	112
В	B6	26	32 \ 41.5	(33.5) 45.5	59	67 ` 83	84.5	84.5	114.5 ` 116.5
Ь	B7	5	6	(6) · 10	9	10 ` 11	10	10	11.5 ` 13.5
	B8	84	103	128	148	173	200	227	254
	B9	6.8	9	11	11	13.5	15	17.5	17.5
	B10	44	54	66	80	95	104	120	140
	B11	22	27	33	40	47.5	52	60	70
	B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	130	160	188	222	242	261	286	320
	C2	65	80	94	111	121	130.5	143	160
	C3	60	80	100	120	138	146	166	196
	C4	-	-	-	-	12	14	14	18
С	C5	-	-	-	-	51.3	58.8	63.8	74.3
	C6	20	25	30	40	48	55	60	70
	C7	28	34	44	52	60	65	73	83
	C8	M6	M6	M6	M8	M8	M8	M8	M 10
	C9	9	14	18	23	27	32	38	42
Weight	重量	4,1	6.6	11.0	17,4	29,1	43.1	55.6	90.7

HY-DM series

RATIO : 5.10.15 (單段 1-Stage)

單入力軸心 - 雙邊免鍵軸套



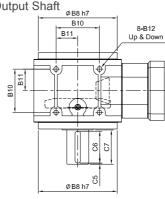
				FIOIL & E	DACK_			C3	unit: mm
	Model Code	55	75	90	115	130	140	160	190
Α	A1	14	19	24	28	32	32	38	40
Α	A2	5	6	8	8	10	10	12	12
	A3	16	21.5	27	31	35	35	41	43
	A4	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	2.5	5	5	5	5
	B2	20	25	35	35	40	40	50	50
	В3	147	181	218	260	293	315	367	403
	B4	57	66	78	90	101	100	127	139
	B5	90	115	140	170	192	215	240	264
	B6	78	98	118	144	164	182	206	224
В	B7	39	49	59	72	82	91	103	112
Ь	B8	27	32	42.5	42.5	52.5	51.5	63	63.5
	B9	25	30	40	40	50	50	60	60
	B10	84	103	128	148	173	200	227	254
	B11	6.8	9	11	11	13.5	15	17.5	17.5
	B12	44	54	66	80	95	104	120	140
	B13	22	27	33	40	47.5	52	60	70
	B14	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	130	160	188	222	242	261	286	320
	C2	65	80	94	111	121	130.5	143	160
	C3	60	80	100	120	138	146	166	196
	C4	-	-	-	-	12	14	14	18
С	C5	-	-	-	-	51.3	58.8	63.8	74.3
	C6	20	25	30	40	48	55	60	70
	C7	28	34	44	52	60	65	73	83
	C8	M6	M6	M6	M8	M8	M8	M8	M10
	C9	9	14	18	23	27	32	38	42
Weight	重量	3.4	5.3	8.9	11.9	20.7	29.7	41	60.7

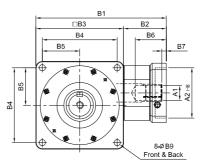
HY-FS series

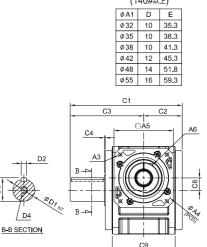
RATIO: 5.10.15 (單段 1-Stage)

入力法蘭 - 單出力軸心

Input Flange - Single Output Shaft







(140#以上)

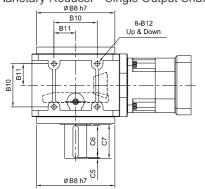
	Front & Back				C9		unit: mm		
	Model Code	55	75	90	115	130	140	160	190
	A1	8 · 11	14	14 ` 19 ` 24	19 ` 22 ` 24	24 ` 28 ` 32	32 ` 35	35 ` 38	42 ` 48 ` 55
Α	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180	110 \ 130 \ 180	114.3 \ 180 \ 230 \ 250
	A3	M3 · M4 · M5	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
	A4	46 \ 60 \ 63	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 ` 100 ` 115 ` 145	115 \ 145 \ 165	145 \ 165 \ 200	145 ` 165 ` 200	200 \ 215 \ 265 \ 300
	A5	46 ` 55	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190	146 ` 150 ` 190	182 \ 200 \ 250 \ 265
	A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	135	172	202 ` 221	241	286	333	358	417 ` 419
	B2	45	57	62 · 81	71	94	118	118	153 ` 155
	B3	90	115	140	170	192	215	240	264
	B4	78	98	118	144	164	182	206	224
	B5	39	49	59	72	82	91	103	112
В	B6	28	38	49 \ 68.5	58	69.5	81.5	81.5	114.5 ` 116.5
Р	B7	5	6	9 ` 23.5	8	10	10	10	11.5 ` 13.5
	B8	84	103	128	148	173	200	227	254
	В9	6.8	9	11	11	13.5	15	17.5	17.5
	B10	44	54	66	80	95	104	120	140
	B11	22	27	33	40	47.5	52	60	70
	B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	121	146	180	214	245	275	310	350
	C2	42	52	64	76	84	91.5	103	118
	C3	79	94	120	138	161	183.5	206	231
	C4	2	2	2	2	2	2	2	2
С	C5	5	5	5	5	5	5	5	5
	C6	25	30	40	50	65	80	90	100
	C7	35	40	50	60	75	90	100	110
	C8	9	14	18	23	27	32	38	42
	C9	60	80	100	120	138	146	166	196
	D1	20	24	32	40	48	55	60	70
_	D2	6	8	10	12	12	14	14	16
D	D3	22.5	27	35	43	51	58.5	63.5	74
	D4	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M12 x P1.75	M16 x P2.0	M20 x P2.5	M20 x P2.5
Weigh	it 重量	3.2	5.0	9.1	14.0	21.0	30.6	42.8	67.9

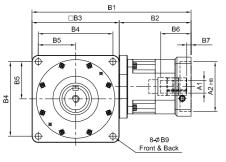
HY-RS series

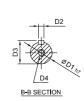
RATIO: 25.50.75.100.150 (雙段 2-Stage)

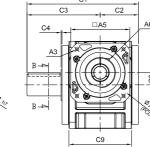
搭配行星減速機 - 單出力軸心

Fitted with Planetary Reducer - Single Output Shaft









(140#以上)

| ØA1 D E |
| Ø28 8 31.3 |
| Ø32 10 35.3 |
| Ø35 10 38.3 |
| Ø38 10 41.3 |
| #42 12 45.3 |

Ø48 14 51.8 Ø55 16 59.3

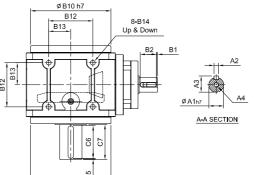
									arne min
	Model Code	55	75	90	115	130	140	160	190
	A1	8 • 9 • 11 • 14	11 \ 14 \ 16 \ 19	(14) ` 16 ` 19	16 \ 19 \ 22 \ 24	22 · 24 · 28 · 32 · 35	28 \ 32 \ 35 \ 38	28 \ 32 \ 35 \ 38	35 \ 38 \ 42 \ 48 \ 55
Α	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 ` 130 ` 180	110 ` 130 ` 180	114.3 \ 180 \ 230 \ 250
	A3	M3 · M4 · M5	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
	A4	46 ` 60 ` 63	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 `100 `115 `145	115 ` 145 ` 165	145 ` 165 ` 200	145 ` 165 ` 200	200 \ 215 \ 265 \ 300
	A5	46 ` 55	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 `130 `150	146 ` 150 ` 190	146 ` 150 ` 190	182 \ 200 \ 250 \ 265
	A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	157	201 ` 209	(224.5) `237	287	340 ` 360	405	430	508 ` 510
	B2	67	86 · 94	(84.5) ` 97	117	148 ` 168	190	190	244 ` 246
	В3	90	115	140	170	192	215	240	264
	B4	78	98	118	144	164	182	206	224
	B5	39	49	59	72	82	91	103	112
Ъ	B6	26	32 \ 41.5	(33.5) 45.5	59	67 · 83	84.5	84.5	114.5 ` 116.5
В	B7	5	6	(6) `10	9	10 ` 11	10	10	11.5 ` 13.5
	В8	84	103	128	148	173	200	227	254
	В9	6.8	9	11	11	13.5	15	17.5	17.5
	B10	44	54	66	80	95	104	120	140
	B11	22	27	33	40	47.5	52	60	70
	B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	121	146	180	214	245	275	310	350
	C2	42	52	64	76	84	91.5	103	118
	C3	79	94	120	138	161	183.5	206	231
	C4	2	2	2	2	2	2	2	2
С	C5	5	5	5	5	5	5	5	5
	C6	25	30	40	50	65	80	90	100
	C7	35	40	50	60	75	90	100	110
	C8	9	14	18	23	27	32	38	42
	C9	60	80	100	120	138	146	166	196
	D1	20	24	32	40	48	55	60	70
D	D2	6	8	10	12	12	14	14	16
_ U	D3	22.5	27	35	43	51	58.5	63.5	74
	D4	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M12 x P1.75	M16 x P2.0	M20 x P2.5	M20 x P2.5
Weight	重量	3.8	6.3	10.9	17.7	29.6	45.2	57.4	94.6

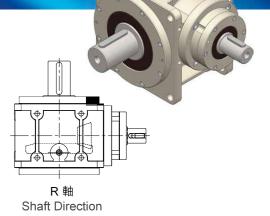
HY-DS series

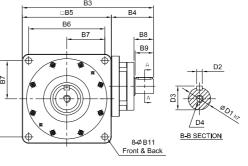
RATIO: 5.10.15 (單段 1-Stage)

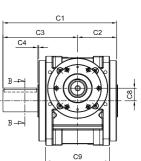
單入力軸心 - 單出力軸心

Single Input Shaft - Single Output Shaft









				Front & Bac	<u>k</u>		C9		unit: mm
	Model Code	55	75	90	115	130	140	160	190
	A1	14	19	24	28	32	32	38	40
Α	A2	5	6	8	8	10	10	12	12
	A3	16	21.5	27	31	35	35	41	43
	A4	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	2.5	5	5	5	5
	B2	20	25	35	35	40	40	50	50
	В3	147	180.5	218	260	293	315	367	402.5
	B4	57	65.5	78	90	101	100	127	138.5
	B5	90	115	140	170	192	215	240	264
	В6	78	98	118	144	164	182	206	224
В	В7	39	49	59	72	82	91	103	112
Р	B8	27	32	42.5	42.5	52.5	51.5	63	63.5
	В9	25	30	40	40	50	50	60	60
	B10	84	103	128	148	173	200	227	254
	B11	6.8	9	11	11	13.5	15	17.5	17.5
	B12	44	54	66	80	95	104	120	140
	B13	22	27	33	40	47.5	52	60	70
	B14	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	121	146	180	214	245	275	310	350
	C2	42	52	64	76	84	91.5	103	118
	C3	79	94	120	138	161	183.5	206	231
	C4	2	2	2	2	2	2	2	2
С	C5	5	5	5	5	5	5	5	5
	C6	25	30	40	50	65	80	90	100
	C7	35	40	50	60	75	90	100	110
	C8	9	14	18	23	27	32	38	42
	C9	60	80	100	120	138	146	166	196
	D1	20	24	32	40	48	55	60	70
D	D2	6	8	10	12	12	14	14	16
	D3	22.5	27	35	43	51	58.5	63.5	74
	D4	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M12 x P1.75	M16 x P2.0	M20 x P2.5	M20 x P2.5
Weight	重量	2.9	5.0	8.7	12.0	21.1	32.8	42.0	64.6

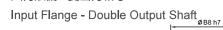
203

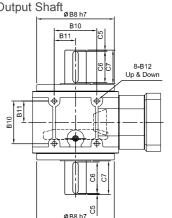
unit: mm

HY-FV series

RATIO: 5.10.15 (單段 1-Stage)

入力法蘭 - 雙出力軸心

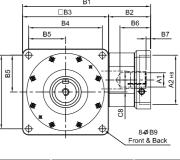


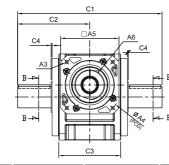






(140#以上)								
ØA1	D	Е						
Ø32	10	35.3						
Ø35	10	38.3						
Ø38	10	41.3						
Ø42	12	45.3						
Ø48	14	51.8						
Ø 55	16	59.3						





unit:	mm

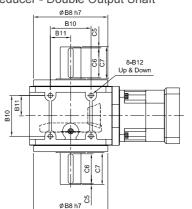
	Model Code	55	75	90	115	130	140	160	190
	A1	8 · 11	14	14 ` 19 ` 24	19 ` 22 ` 24	24 ` 28 ` 32	32 ` 35	35 ` 38	42 \ 48 \ 55
^	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 ` 130 ` 180	110 ` 130 ` 180	114.3 \ 180 \ 230 \ 250
Α	А3	M3 · M4 · M5	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
	A4	46 ` 60 ` 63	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 ` 100 ` 115 ` 145	115 \ 145 \ 165	145 \ 165 \ 200	145 \ 165 \ 200	200 \ 215 \ 265 \ 300
	A 5	46 ` 55	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190	146 ` 150 ` 190	182 \ 200 \ 250 \ 265
	A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	135	172	202 ` 221	241	286	333	358	417 ` 419
	B2	45	57	62 ` 81	71	94	118	118	153 ` 155
	B3	90	115	140	170	192	215	240	264
	B4	78	98	118	144	164	182	206	224
	B5	39	49	59	72	82	91	103	112
В	B6	28	38	49 \ 68.5	58	69.5	81.5	81.5	114.5 ` 116.5
Ь	B7	5	6	9 ` 23.5	8	10	10	10	11.5 ` 13.5
	B8	84	103	128	148	173	200	227	254
	B9	6.8	9	11	11	13.5	15	17.5	17.5
	B10	44	54	66	80	95	104	120	140
	B11	22	27	33	40	47.5	52	60	70
	B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	158	188	232	276	322	367	412	462
	C2	79	94	116	138	161	183.5	206	231
	C3	60	80	100	120	138	146	166	196
С	C4	2	2	2	2	2	2	2	2
	C5	5	5	5	5	5	5	5	5
	C6	25	30	40	50	65	80	90	100
	C7	35	40	50	60	75	90	100	110
	C8	9	14	18	23	27	32	38	42
	D1	20	24	32	40	48	55	60	70
D	D2	6	8	10	12	12	14	14	16
	D3	22.5	27	35	43	51	58.5	63.5	74
	D4	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M12 x P1.75	M16 x P2.0	M20 x P2.5	M20 x P2.5
Weight	重量	3.4	5.4	9.7	15.3	23.1	34.7	47.1	74.0

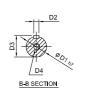
HY-RV series

RATIO: 25.50.75.100.150 (雙段 2-Stage)

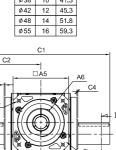
搭配行星減速機 - 雙出力軸心

Fitted with Planetary Reducer - Double Output Shaft









C1	
C2	
C4 A3 B C3 A6 C4 C4	В -

ur	ш	m

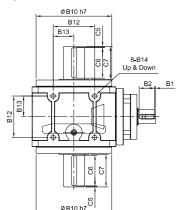
								- 65		unit: mm
		Model Code	55	75	90	115	130	140	160	190
		A1	8 · 9 · 11 · 14	11 · 14 · 16 · 19	(14) ` 16 ` 19	16 \ 19 \ 22 \ 24	22 · 24 · 28 · 32 · 35	28 \ 32 \ 35 \ 38	28 \ 32 \ 35 \ 38	35 \ 38 \ 42 \ 48 \ 55
	Α	A2	30 \ 40 \ 50	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180	110 \ 130 \ 180	114.3 \ 180 \ 230 \ 250
	ĺ, ,	A3	M3 · M4 · M5	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
		A4	46 ` 60 ` 63	70 \ 75 \ 90	70 \ 90 \ 100 \ 115	90 `100 `115 `145	115 \ 145 \ 165	145 ` 165 ` 200	145 \ 165 \ 200	200 \ 215 \ 265 \ 300
		A5	46 ` 55	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 \ 130 \ 150	146 ` 150 ` 190	146 ` 150 ` 190	182 \ 200 \ 250 \ 265
		A6	M3 x P.05	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
		B1	157	201 ` 209	(224.5) `237	287	340 ` 360	405	430	508 ` 510
		B2	67	86 \ 94	(84.5) ` 97	117	148 ` 168	190	190	244 ` 246
		B3	90	115	140	170	192	215	240	264
		B4	78	98	118	144	164	182	206	224
		B5	39	49	59	72	82	91	103	112
	В	B6	26	32 ` 41.5	(33.5) \ 45.5	59	67 · 83	84.5	84.5	114.5 \ 116.5
	ט	B7	5	6	(6) `10	9	10 ` 11	10	10	11.5 ` 13.5
		B8	84	103	128	148	173	200	227	254
		B9	6.8	9	11	11	13.5	15	17.5	17.5
		B10	44	54	66	80	95	104	120	140
		B11	22	27	33	40	47.5	52	60	70
		B12	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
		C1	158	188	232	276	322	367	412	462
		C2	79	94	116	138	161	183.5	206	231
		C3	60	80	100	120	138	146	166	196
	С	C4	2	2	2	2	2	2	2	2
		C5	5	5	5	5	5	5	5	5
		C6	25	30	40	50	65	80	90	100
		C7	35	40	50	60	75	90	100	110
		C8	9	14	18	23	27	32	38	42
		D1	20	24	32	40	48	55	60	70
	D	D2	6	8	10	12	12	14	14	16
		D3	22.5	27	35	43	51	58.5	63.5	74
		D4	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M12 x P1.75	M16 x P2.0	M20 x P2.5	M20 x P2.5
	Weight	重量	4.0	6.6	11.5	18.9	31.7	41.2	61.6	100.6

HY-DV series

RATIO: 5.10.15 (單段 1-Stage)

單入力軸心 - 雙出力軸心

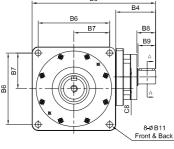
Single Input Shaft - Double Output Shaft

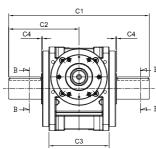










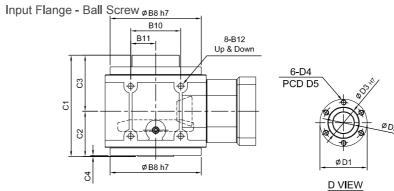


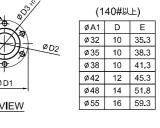
				'	Front & Back		C3		unit: mm
	Model Code	55	75	90	115	130	140	160	190
	A1	14	19	24	28	32	32	38	40
Α	A2	5	6	8	8	10	10	12	12
	А3	16	21.5	27	31	35	35	41	43
	A4	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	2.5	5	5	5	5
	B2	20	25	35	35	40	40	50	50
	В3	147	181	218	260	293	315	367	403
	B4	57	66	78	90	101	100	127	139
	B5	90	115	140	170	192	215	240	264
	В6	78	98	118	144	164	182	206	224
В	B7	39	49	59	72	82	91	103	112
Ь	B8	27	32	42.5	42.5	52.5	51.5	63	63.5
	В9	25	30	40	40	50	50	60	60
	B10	84	103	128	148	173	200	227	254
	B11	6.8	9	11	11	13.5	15	17.5	17.5
	B12	44	54	66	80	95	104	120	140
	B13	22	27	33	40	47.5	52	60	70
	B14	M6 x P1.0	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	158	188	232	276	322	367	412	462
	C2	79	94	116	138	161	183.5	206	231
	C3	60	80	100	120	138	146	166	196
С	C4	2	2	2	2	2	2	2	2
	C5	5	5	5	5	5	5	5	5
	C6	25	30	40	50	65	80	90	100
	C7	35	40	50	60	75	90	100	110
	C8	9	14	18	23	27	32	38	42
	D1	20	24	32	40	48	55	60	70
D	D2	6	8	10	12	12	14	14	16
_ U_	D3	22.5	27	35	43	51	58.5	63.5	74
	D4	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M12 x P1.75	M16 x P2.0	M20 x P2.5	M20 x P2.5
Weight	重量	3.1	5.3	9.2	14.7	23.6	37.7	47.8	70.6

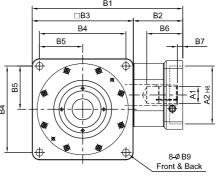
HY-FP series

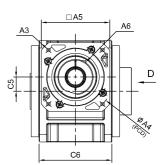
RATIO: 5.10.15 (單段 1-Stage)

入力法蘭 - 螺桿式









unit: mm

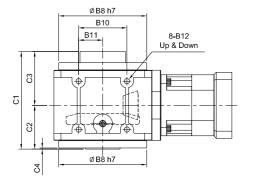
							-	unit: mm
	Model Code	75	90	115	130	140	160	190
	A1	14	14 \ 19 \ 24	19 \ 22 \ 24	24 ` 28 ` 32	32 ` 35	35 ` 38	42 \ 48 \ 55
_	A2	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 \ 110 \ 130	110 \ 130 \ 180	110 ` 130 ` 180	114.3 \ 180 \ 230 \ 250
Α	A3	M4 · M5 · M6	M5 \ M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
	A4	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 \ 100 \ 115 \ 145	115 ` 145 ` 165	145 ` 165 ` 200	145 \ 165 \ 200	200 \ 215 \ 265 \ 300
	A5	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190	146 ` 150 ` 190	182 \ 200 \ 250 \ 265
	A6	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	172	202 ` 221	241	286	333	358	417 ` 419
	B2	57	62 \ 81	71	94	118	118	153 ` 155
	В3	115	140	170	192	215	240	264
	B4	98	118	144	164	182	206	224
	B5	49	59	72	82	91	103	112
В	B6	38	49 ` 68.5	58	69.5	81.5	81.5	114.5 ` 116.5
Ь	B7	6	9 ` 23.5	8	10	10	10	11.5 \ 13.5
	B8	103	128	148	173	200	227	254
	В9	9	11	11	13.5	15	17.5	17.5
	B10	54	66	80	95	104	120	140
	B11	27	33	40	47.5	52	60	70
	B12	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	125	140	177	193	205	230	260
	C2	58	66	78.5	87	94	107	123
	C3	67	74	98.5	106	111	123	137
С	C4	3.25	2	2.5	2	2.5	2.5	3
	C5	50	58	72	72	82	92	117
	C6	75	82	105	121	123	138	143
	C7	14	18	23	27	32	38	42
	C8	80	100	120	138	146	166	196
	D1	54.7	64.7	89.7	89.7	99.7	117.7	129.7
	D2	22	30	38	40	44	54	65
D	D3	34	40	58	58	64	75	90
	D4	M5 x P0.8	M5 x P0.8	M10 x P1.5	M10 x P1.5	M10 x P1.5	M12 x P1.75	M12 x P1.75
	D5	45	51	77	77	84	97	112
Weight	重量	4.3	8.3	12.7	18.7	26.9	37.9	58.9
			-		-			-

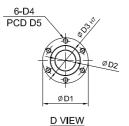
HY-RP series

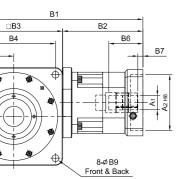
RATIO: 25.50.75.100.150 (雙段 2-Stage)

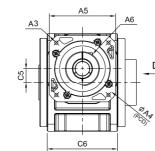
搭配行星減速機 - 螺桿式

Fitted with Planetary Reducer - Ball Screw









(140#以上)
 ØA1
 D
 E

 Ø28
 8
 31.3

 Ø32
 10
 35.3

Ø35 10 38.3 Ø38 10 41.3

 Ø42
 12
 45.3

 Ø48
 14
 51.8

ø55 16 59.3

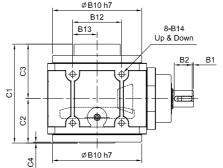
			F	ront & Back		C6		unit: mm
	Model Code	75	90	115	130	140	160	190
Α	A1	11 · 14 · 16 · 19	(14) ` 16 ` 19	16 \ 19 \ 22 \ 24	22 \ 24 \ 28 \ 32 \ 35	28 \ 32 \ 35 \ 38	28 \ 32 \ 35 \ 38	35 \ 38 \ 42 \ 48 \ 55
	A2	50 \ 60 \ 70	50 ` 70 ` 80 ` 95	70 \ 80 \ 95 \ 110	95 ` 110 ` 130	110 \ 130 \ 180	110 ` 130 ` 180	114.3 \ 180 \ 230 \ 250
	А3	M4 · M5 · M6	M5 · M6	M5 · M6 · M8	M6 · M8 · M10	M8 · M10 · M12	M8 · M10 · M12	M12 · M16
	A4	70 ` 75 ` 90	70 \ 90 \ 100 \ 115	90 ` 100 ` 115 ` 145	115 \ 145 \ 165	145 ` 165 ` 200	145 ` 165 ` 200	200 \ 215 \ 265 \ 300
	A5	64 ` 70 ` 80	80 \ 92 \ 110	92 ` 110 ` 130	122 ` 130 ` 150	146 ` 150 ` 190	146 ` 150 ` 190	182 \ 200 \ 250 \ 265
	A6	M5 x P0.8	M5 x P0.8	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5
	B1	201 ` 209	(224.5) `237	287	340 ` 360	405	430	508 ` 510
	B2	86 · 94	(84.5) \ 97	117	148 ` 168	190	190	244 ` 246
	В3	115	140	170	192	215	240	264
В	B4	98	118	144	164	182	206	224
	B5	49	59	72	82	91	103	112
	B6	32 \ 41.5	(33.5) 45.5	59	67 ` 83	84.5	84.5	114.5 ` 116.5
D	B7	6	(6) `10	9	10 ` 11	10	10	11.5 ` 13.5
	B8	103	128	148	173	200	227	254
	B9	9	11	11	13.5	15	17.5	17.5
	B10	54	66	80	95	104	120	140
	B11	27	33	40	47.5	52	60	70
	B12	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	125	140	177	193	205	230	260
	C2	58	66	78.5	87	94	107	123
	C3	67	74	98.5	106	111	123	137
С	C4	3.25	2	2.5	2	2.5	2.5	3
C	C5	50	58	72	72	82	92	117
	C6	75	82	105	121	123	138	143
	C7	14	18	23	27	32	38	42
	C8	80	100	120	138	146	166	196
	D1	54.7	64.7	89.7	89.7	99.7	117.7	129.7
	D2	22	30	38	40	44	54	65
D	D3	34	40	58	58	64	75	90
	D4	M5 x P0.8	M5 x P0.8	M10 x P1.5	M10 x P1.5	M10 x P1.5	M12 x P1.75	M12 x P1.75
	D5	45	51	77	77	84	97	112
Weight	重量	5.5	10.1	16.4	27.3	41.5	52.5	85.5

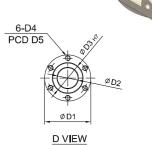
HY-DP series

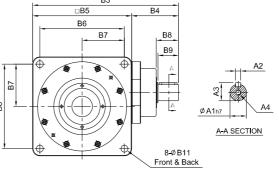
RATIO: 5.10.15 (單段 1-Stage)

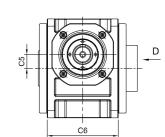
單入力軸心 - 螺桿式

Single Input Shaft - Ball Screw









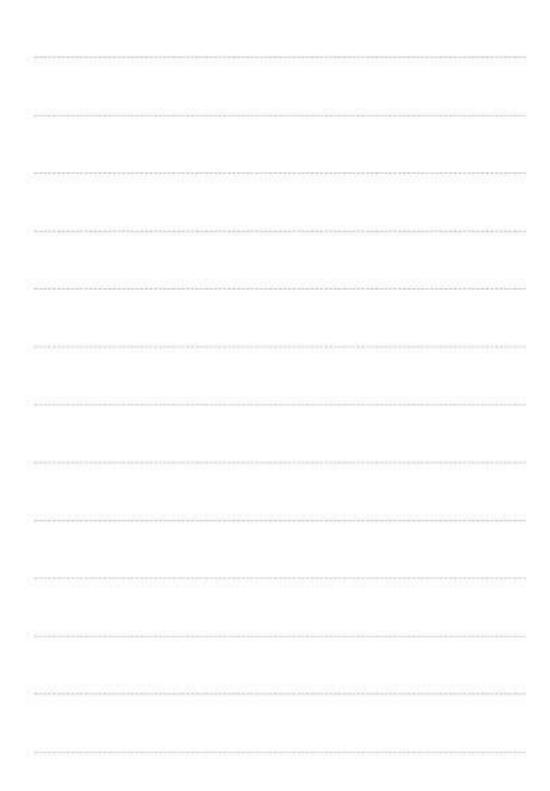
un	iit:	mr

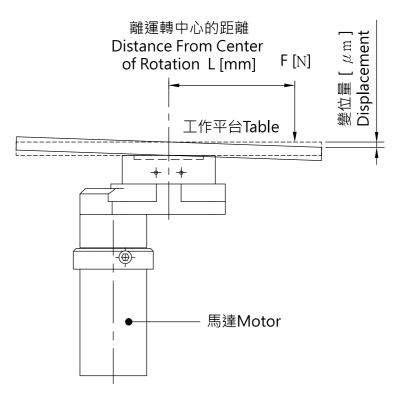
						- 00		unit: mm
	Model Code	75	90	115	130	140	160	190
^	A1	19	24	28	32	32	38	40
Α	A2	6	8	8	10	10	12	12
	А3	21.5	27	31	35	35	41	43
	A4	M6 x P1.0	M8 x P1.25	M10 x P1.5	M10 x P1.5	M10 x P1.5	M12 x P1.75	M12 x P1.75
	B1	2.5	2.5	2.5	5	5	5	5
	B2	25	35	35	40	40	50	50
	В3	181	218	260	293	315	367	403
	B4	66	78	90	101	100	127	139
	B5	115	140	170	192	215	240	264
	B6	98	118	144	164	182	206	224
В	B7	49	59	72	82	91	103	112
Ь	B8	32	42.5	42.5	52.5	51.5	63	63.5
	В9	30	40	40	50	50	60	60
	B10	103	128	148	173	200	227	254
	B11	9	11	11	13.5	15	17.5	17.5
	B12	54	66	80	95	104	120	140
	B13	27	33	40	47.5	52	60	70
	B14	M8 x P1.25	M10 x P1.5	M12 x P1.75	M12 x P1.75	M14 x P2.0	M16 x P2.0	M16 x P2.0
	C1	125	140	177	193	205	230	260
	C2	58	66	78.5	87	94	107	123
	C3	67	74	98.5	106	111	123	137
С	C4	3.25	2	2.5	2	2.5	2.5	3
	C5	50	58	72	72	82	92	117
	C6	75	82	105	121	123	138	143
	C7	14	18	23	27	32	38	42
	C8	80	100	120	138	146	166	196
	D1	54.7	64.7	89.7	89.7	99.7	117.7	129.7
	D2	22	30	38	40	44	54	65
D	D3	34	40	58	58	64	75	90
	D4	M5 x P0.8	M5 x P0.8	M10 x P1.5	M10 x P1.5	M10 x P1.5	M12 x P1.75	M12 x P1.75
	D5	45	51	77	77	84	97	112
Weight	重量	4.2	7.8	12.2	19.2	29.6	38.7	55.5

Permissible Moment Load

容許慣量載重

笔记:





慣量載重Moment Load [Nm] = 0.001 x F(N) x L(mm)

慣量載重引起的變位量(參考值)

在輸台上施加慣量載重時會引起變位。

圖表上的變位量是使慣量載重作用一個方向時,自輸出平台運轉中心距離 L 的變位量。

慣量載重在正負兩方向作用時,變位量約為2倍。

Displacement by Moment Load (Reference Value)

The output table will be displaced when it receives the moment load.

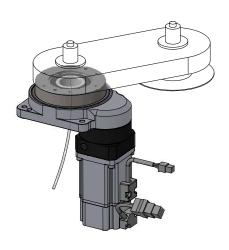
The graph plots the table displacement that occurs at distance L from the rotation center of the output table when a given moment load is applied in the negative direction.

The displacement becomes approximately twofold when the moment load is applied in both the positive and negative directions.

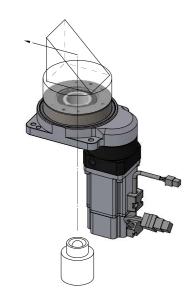
Applications

減速機應用範例

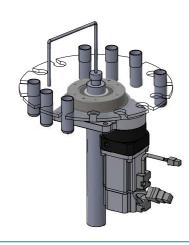
○施加力矩負載的應用



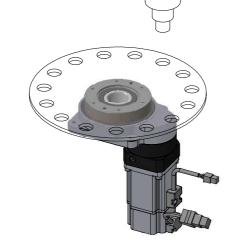
○使用中空孔光學應用



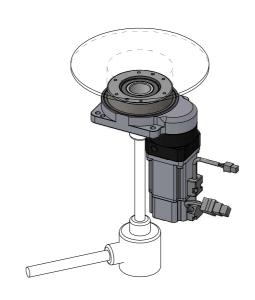
○高精度中空孔定位應用



○高精度定位應用



○使用中空孔的應用





Hollow Rotary Reducer and Motor Mounting Instructions

高精密中空旋轉平台減速機與馬達安裝指南



核對馬達型號與減速機規格是否 正確。並將配合面擦拭乾淨。

Confirm the motor, and gearbox size. Clean up the mounting surface.



取出塞頭,使用六角板手將迫緊環螺絲鬆開。並將螺絲對準孔位。

Remove the plug on the adapter plate. Rotate the set collar till the bolt is line up.



使用扭力板手將迫緊環螺絲鎖緊。 Tighten the set collar bolt with torque wrench.



如馬達軸徑在φ35以下,請將馬達軸上的鍵拿掉。

Remove the motor key if the diameter of motor shaft is under ϕ 35.



將馬達垂直裝入減速機。

Put the motor into the gearbox vertically.



大四基與。 Tighten back the screw plug.



檢查馬達出力軸尺寸,如需軸套, 請先裝進入力孔內。

Check motor shaft size and insert bushing into input bore if necessary.



依序使用扭力板手鎖上外六角螺 絲。

Tighten the mounting bolt in 1~4 order with torque wrench.

1. 務必先鎖緊馬達,才能鎖緊馬 達軸心迫緊環。

To be sure to tighten motor first and then to tighten the set collar on motor shaft.

2. 請依步驟順序組裝,尤其步驟 6、7不可顛倒。

Please assembly in order according to above steps, especially for step 6 and step 7.

笔记:



此选型样册技术参数仅供参考,实际根据客户提供数据, 会出具相关的技术参数及尺寸!

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