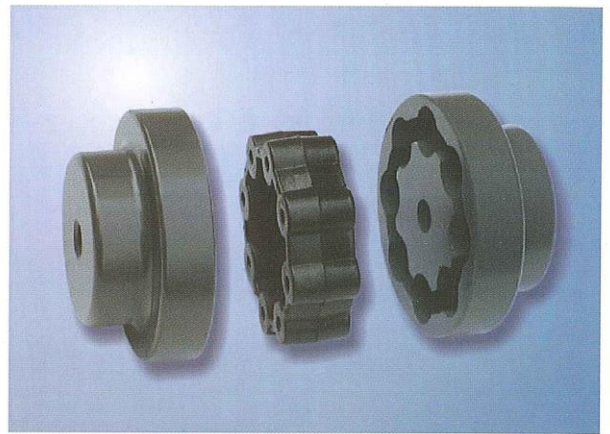
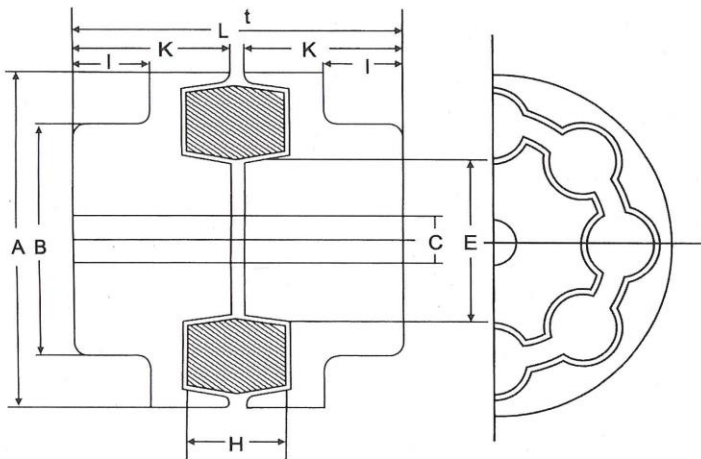




# Coupling--MH 聯軸器



## 性能及尺寸表

Table2, Dimensions(mm) & Coupling Ratings

型號 Coupling MH Type	外徑 Dia- meter A	輪殼 Hub B	軸孔徑 Bore			常用 距矩 Rated Torque kg-m	偏心狀態 Misalignment		最高 回轉速 Maximum Speed Revolution (r.p.m.)	全長 L	K	H	橡膠 間隙 t +1.0 -0	橡膠 內徑 I E	重量 Weight (kg)	慣性矩 Moment of Inertia Gd2 (kg-m2)	
			最大 Max.	最小 Min.	中心 孔 Stock C		標準 偏差 Parallel	標準 偏角 Angular (deg.)									
MH-55	55	38	20	9	7	0.4	0.2	0.3°	6,000	57	27	17	3	15	26	0.6	6.2X <sup>-4</sup>
MH-65	65	45	25	12	8	0.7	0.2	0.3°	6,000	63	30	19	3	16	33	0.9	1.5X <sup>-3</sup>
MH-80	80	52	30	16	10	1.6	0.2	0.3°	5,500	73	35	23	3	18	41	1.5	3.7X <sup>-3</sup>
MH-90	90	62	35	20	12	3.7	0.2	0.3°	5,000	83	40	25	3	21	46	2.2	7.1X <sup>-2</sup>
MH-115	115	80	45	25	12	8.0	0.2	0.3°	4,600	113	55	33	3	29	58	5.0	2.7X <sup>-2</sup>
MH-130	130	90	50	27	12	12.0	0.2	0.3°	4,400	123	60	37	3	32	65	7.0	4.2X <sup>-2</sup>
MH-145	145	100	55	30	12	20.0	0.2	0.3°	4,200	133	65	39	3	35	72	9.2	9.4X <sup>-2</sup>
MH-175	175	115	65	35	16	43.0	0.2	0.3°	3,800	163	80	47	3	43	84	16.1	1.9X <sup>-1</sup>
MH-200	200	130	80	50	20	65.0	0.2	0.3°	3,600	223	110	53	3	69	92	35.5	3.1X <sup>-1</sup>
MH-230	230	150	85	42	41		0.2	0.3°		233	115	56	3	65	110	42.0	

使用連軸器，在接近最大可能速限時，請檢查動力平衡的情形

In case the coupling is used near its allowable maximum speed, check the dynamic balance.  
In case the coupling is used large torque variation machines, the maximum bore must be smaller about 5mm than those in Table 2.



# Coupling--MH 聯軸器

## CONSTRUCTION

- 1.High quality cast iron flanges 高級鑄鐵材質製成
- 2.Material of Rubber is : Nitrile Butadiene Rubber NBR 橡膠  
(Steel cores are inserted in the teeth of the rubber)



Table(1), Service Factor (SF) 使用係數 :

		Load Condition 負荷狀況		
		Uniform 平均負荷	Moderate Shock 中負荷	Heavy Shock 重負荷
Electric Motor 電動機		1.0-1.2	1.5-2.0	2.0-3.0
Engine 引擎	more than 4 cylinder	1.5-1.7	2.0-2.5	2.5-3.5
	less than 3 cylinder	2.0-2.2	2.5-3.0	3.0-4.0

## STEPS FOR SELECTING THE PROPER COUPLING 選擇適當聯軸器步驟

- 1.Find the Standard Torque(Ts) 計算扭矩

Standard Torque can be decided under the driver of HP and r.p.m.  
扭矩可由馬力及迴轉數求出

$$\text{公式 } T_s = 716.2 \frac{\text{HP}}{\text{r.p.m.}} \text{ (Kg.m)}$$

- 2.Find the Service Factor(SF) 由表一找出使用係數

Please see Table 1.

- 3.Find the Limited Torque(Tm) 最大扭矩可由公式求得

Limited Torque can be got from the formula:

$$T_m = T_s \times SF$$

- 4.Select the proper Coupling 由表二選擇合適的聯軸器

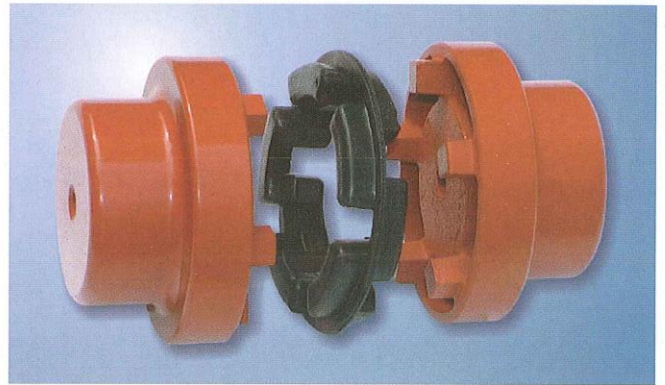
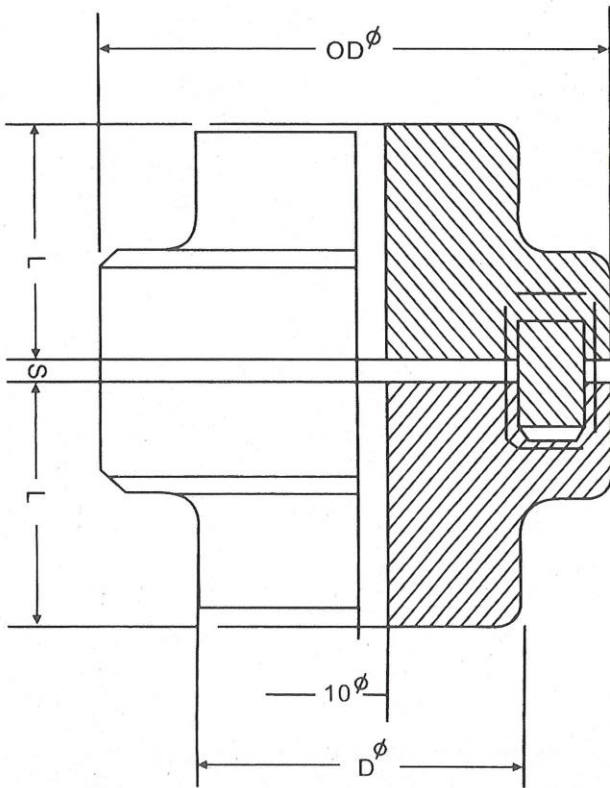
Coupling Ratings [see Table 2] indicates the Proper Coupling to meet the Limited Torque.

- 5.Check the Shaft Diameter 由表二查知聯軸器孔徑範圍是否符合傳動器兩端

Check the bore range of the coupling [see Table 2] to fit both driver and driven shaft.



# Coupling--NM 聯軸器



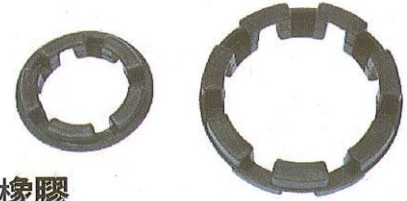
Unit:mm(毫米)

型號 Coupling NM Type	扭矩 Torque		最高轉速 Max.speed rpm.	孔徑 Bore diameter		凸台直徑 Boss diam. (D)	外徑 Outside diam. (OD)	長度 Distance (L)	間隙公差 Space & perm. Tolerance (S)	重量 approx. Weight kgs.
	正常 Normal Kg-m	最大 Max. Kg-m		最小 Min.	最大 Max.					
50	1.3	2.3	12,500	7	19	33	50	25	2.0±0.5	0.48
67	2.2	4	10,000	8	28	46	67	30	2.5±0.5	1.02
82	5.0	9	8,000	10	32	53	82	40	3.0±1.0	1.88
97	10.5	19	7,000	10	42	69	97	50	3.0±1.0	3.54
112	16.7	30	6,000	14	48	79	112	60	3.5±1.0	5.40
128	26.7	48	5,000	18	55	90	128	69	3.5±1.0	8.10
148	41.7	75	4,500	22	65	107	148	80	3.5±1.0	13.50
168	69.5	125	4,000	28	75	124	168	90	3.5±1.5	19.30
194	112.0	200	3,500	32	85	140	198	98	3.5±1.5	26.30
214	167.0	300	3,000	40	95	158	218	112	4.0±2.0	35.70



# Coupling--NM 聯軸器

## CONSTRUCTION

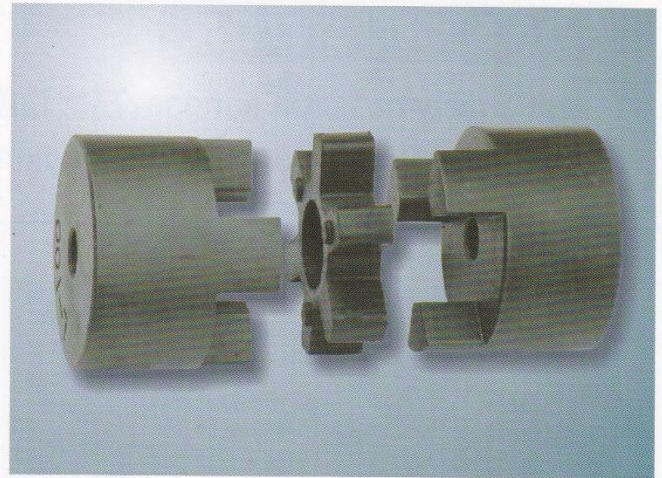
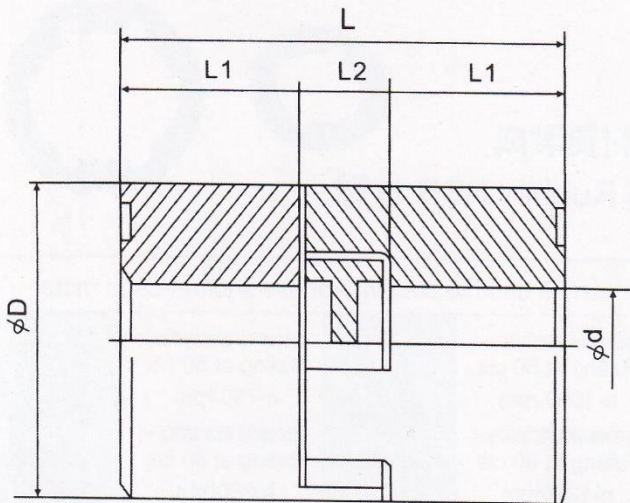


- 1.High quality cast iron flanges 高級鑄鐵材質製成
- 2.Material of Rubber is : Nitrile Butadiene Rubber NBR 橡膠

Cross Reference Table						It can be used to couple 3-phase squirrel-cage motor					
每50轉/秒 額定功率(kw) Rating at 50 c/s n-3000 rpm		型號 Coupling size	每50轉/秒 額定功率(kw) Rating at 50 c/s n-1500 rpm		型號 Coupling size	每50轉/秒 額定功率(kw) Rating at 50 c/s n-1000 rpm		型號 Coupling size	每50轉/秒 額定功率(kw) Rating at 50 c/s n-750 rpm		型號 Coupling size
每60轉/秒 額定功率(kw) Rating at 60 c/s n-3600rpm			每60轉/秒 額定功率(kw) Rating at 60 c/s n-1800rpm			每60轉/秒 額定功率(kw) Rating at 60 c/s n-1200rpm			每60轉/秒 額定功率(kw) Rating at 60 c/s n-900rpm		
功率 kw	馬力 hp		功率 kw	馬力 hp		功率 kw	馬力 hp		功率 kw	馬力 hp	
0.09	0.12	67	0.06	0.08	67						
0.12	0.16	67	0.09	0.12	67						
0.18	0.25	67	0.12	0.16	67						
0.25	0.34	67	0.18	0.25	67						
0.37	0.50	67	0.25	0.34	67						
0.55	0.75	67	0.37	0.50	67						
0.75	1.00	67	0.55	0.75	67	0.37	0.50	67			
1.10	1.50	67	0.75	1.00	67	0.55	0.75	67			
1.50	2.00	67	1.10	1.50	67	0.75	1.00	67			
2.20	3.00	67	1.50	2.00	67	1.10	1.50	67			
3.00	4.00	82	2.20	3.00	82	1.50	2.00	82	0.75	1.0	82
			3.00	4.00	82				1.10	1.5	82
4.00	5.50	82	4.00	5.50	82	2.20	3.00	82	1.50	2.0	82
5.50	7.50	97	5.50	7.50	97	3.00	4.00	97	2.20	3.0	97
7.50	10.00	97									
			7.50	10.00	97	4.00	5.50	97	3.00	4.0	97
						5.50	7.50	97			
11.00	15.00	112	11.00	15.00	112	7.50	10.00	112	4.00	5.5	112
15.00	20.00	112							5.50	7.5	112
18.50	25.00	112	15.00	20.00	112	11.00	15.00	128	7.50	10.0	112
22.00	30.00	128	18.00	25.00	128						
			22.00	30.00	128	15.00	20.00	128	11.00	15.0	128
30.00	40.00	128	30.00	40.00	148	18.50	25.00	148	15.00	20.0	148
37.00	50.00	128				22.00	30.00	148			
			37.00	50.00	148				18.50	25.0	148
45.00	61.00	148	45.00	61.00	168	30.00	40.00	168	22.00	30.0	168
55.00	75.00	148	55.00	75.00	168	37.00	50.00	168	30.00	40.0	168
75.00	100.00	168	75.00	100.00	194	45.00	61.00	194	37.00	50.0	194
90.00	122.00	168	90.00	122.00	194	55.00	75.00	194	45.00	61.0	194
			110.00	150.00	194	75.00	100.00	194	55.00	75.0	194
			132.00	180.00	214	90.00	122.00	214	75.00	100.0	214



# Coupling--L.CL 聯軸器



型號 Coupling TYPE	扭矩 Torque kg-m		最高 回轉速 Max. Rpm	D	L	L1	L2	d		慣性矩 Gd <sup>2</sup> kgf cm <sup>2</sup>	重量 Weight kgs
	最大 Max.	正常 Normal						最小 Min.	最大 Max.		
L-035	0.15	0.05	6000	16.10	19.9	6.6	6.7	4	8	0.1	0.04
L-050	0.45	0.15	4500	27.60	44	15.7	12.6	7	16	1.0	0.14
L-070	0.9	0.3	3600	34.28	51	19.2	12.6	7	20	3.3	0.27
L-075	1.5	0.5	3600	44.60	55.4	20.7	14	9	26	9.1	0.45
L-090	2.4	0.8	3000	53.58	56	21	14	11	28	15	0.60
L-095	3	1	3000	53.58	65	25.5	14	11	28	17	0.70
L-099	6.0	2.0	3000	64.55	78.8	30	18.8	13	36	42	1.40
L-100	7.5	2.5	3000	64.55	88.8	35	18.8	13	36	43	1.50
L-110	15	5	2500	84.28	108.2	43	22.2	13	38	147	3.00
L-150	30	10	2500	95.28	115.2	44.6	26	17	46	258	4.00

型號 Coupling TYPE	扭矩 Torque kg-m		最高 回轉速 Max. Rpm	D	L	L1	L2	d		慣性矩 Gd <sup>2</sup> kgf cm <sup>2</sup>	重量 Weight kgs
	最大 Max.	正常 Normal						最小 Min.	最大 Max.		
CL-090	2.4	0.8	3000	53.58	56	21	14	10	28	15	0.6
CL-095	3	1	3000	53.58	65	25.5	14	10	28	17	0.7
CL-099	6.0	2.0	3000	64.55	78.8	30	18.8	12	36	42	1.4
CL-100	7.5	2.5	3000	64.55	88.8	35	18.8	12	36	43	1.5
CL-110	15	5	2500	84.28	108.2	43	22.2	12	38	147	3.0
CL-150	30	10	2500	95.28	115.2	44.6	26	16	46	258	4.0
CL-190	45	15	2000	115.00	137.6	56	25.6	16	58	628	6.9
CL-225	60	20	2000	127.00	153	63.5	26	18	60	1685	10.45



# Coupling--L.CL 聯軸器

## CONSTRUCTION

1.High quality cast iron 、sintered iron flanges  
高級鑄鐵、粉末冶金材質製成

2.Material of Rubber is :  
Nitrile Butadiene Rubber  
NBR 橡膠



Model	Torque Range(in-lbs)	Misalignment Capability		Standard Materials 材質	
		Maximum Angular Offset Degress	Maximum Parallel Offset inches	Body	Flexible Member
L	Up to 9,200	1°	.015	Sintered iron 粉末冶金	NBR Rubber
CL	UP to 9,200	1°	.015	Cast iron 鑄鐵	NBR Rubber

NOTE:All ratings in this chart are based on a normal service factor.

型號 Coupling type	最大孔徑 Max Bore	Rated torque In-Lbs. Rubber	HP-100PRM Rubber	不同速度下(RPM)的馬力 Horsepower Capacity at Varying Speed(RPM)			
				900	1200	1800	3600
L-035	3/8	3.5	0.006	0.05	0.07	0.10	0.20
L-050	5/8	25.8	0.041	0.37	0.49	0.74	1.47
L-070	3/4	44.0	0.070	0.63	0.84	1.26	2.51
L-075	7/8	88.0	0.140	1.26	1.68	2.51	5.03
L-090	1	145.0	0.230	2.07	2.76	4.14	8.28
L-095	1-1/8	189.0	0.300	2.70	3.60	5.40	10.80
L-099	1-3/16	315.0	0.500	4.50	6.00	9.00	17.99
L-100	1-3/8	416.0	0.660	5.94	7.92	11.88	23.76
L-110	1-5/8	788.0	1.250	11.25	15.00	22.51	45.01
L-150	1-7/8	1260.0	1.999	17.99	23.99	35.99	71.97



# Coupling-HRC 錐套式聯軸器

## INSTALLATION

Is quick and easy without special tools, only a hexagon wrench is required.

## MAINTENANCE

Is virtually eliminated and no lubricant is required.

## ENVIRONMENT

The elastomeric element makes HRC suitable for use in most conditions

## POSITIVE

In the unlikely event of the flexible element, being destroyed, drive will be maintained by inner-action of the integrally cast driving dogs.

## ECONOMY

Design of the HRC coupling has been optimised so that power capacities are balanced to the appropriate shaft diameters.

## RESILIENCE

Transient peak loads are reduced by a flexible element, deflection of which is a prime design consideration.

## MISALIGNMENT

Incidental parallel angular, and axial displacement of the connected shafts can be accommodated.

## TAPERLOCK BUSHES

Are fitted to the complete standard HRC Coupling rang. Bored to size flanges are also available.

## ● 安裝

迅速而方便，不需要專用工具，只需一個六角扳手。

## ● 維修保養

實際不需保養，也不需要潤滑劑。

## ● 環境

彈性元件使HRC聯軸器適用於很多種工作條件。

## ● 傳動可靠

萬一彈性元不幸損壞，連體鑄造的傳動止塊仍能保持傳動可靠進行。

## ● 經濟

HRC聯軸器已作了最優化設計，使傳遞功率和所配轉軸直徑相稱。

## ● 復原能力好

彈性元件能降低瞬間峰值負荷，其偏差值是設計時主要考慮的一個因素。

## ● 不對準度適應能力

被連接的兩軸之間偶有的平行位移，角位移和軸位移均可包容。

## ● 錐套

退拔式錐套為HRC聯軸器標準配備。



## HRC Selection

- Service Factor**  
Determine appropriate service factor from Table 2.
- Design power**  
Multiply running power of driven machine by the service factor. This gives the Design Power which is used as a basis for coupling selection.
- Coupling Size**  
Refer to Table 3 and read across from the appropriate speed until a power equal to or greater than the design power is found. This size of coupling required is given at the head of that column.
- Bore Size**  
From dimension Table 1 check that the required bores can be accommodated.

## EXAMPLE

A shaft coupling is required to transmit 70kw between a 1200rev/min d.c. electric motor and a Banbury mixer running 8 hrs/day. Motor shaft is 70mm and the mixer shaft is 75mm

- Service Factor**  
Form Table 2 the Service Factor is 2.5
- Design power**  
Design power  $70 \times 2.5 = 175\text{kw}$
- Coupling Size**  
Reading across from 1200 rev/min in the speed column of Table3; 251kw is the first power to exceed the required 175kw(Design power the size of coupling at the head of this column is 230.

## HRC 的選擇

- 工況系數**  
由表2確定合適的工況系數。
- 設計功率**  
被驅動機器的運行功率以工況系數，即得設計功率，此值用作選擇聯軸器的依據。
- 聯軸器規格**  
請看表3，在速度欄中查出相宜的速度，再橫向移動直至找到等於或大於設計功率的數值所在欄位上方，即指出所需聯軸器的規格。
- 孔徑規格**  
由表1可以查到所需要的孔徑。

## 實例：

求一聯軸器，在以便由1200轉/分的直流電動機傳遞70千瓦功率至一台每日運行8小時的密閉式混煉器上。電動機軸的直徑為70毫米，而混煉器的直徑為75毫米。

- 工況系數**  
由表2查得其工況系數為2.5。
- 設計功率**  
設計功率為  $70 \times 2.5 = 175\text{千瓦}$ 。
- 聯軸器規格**  
在表3速度欄中找到1200轉/分，由此橫向移動，首先找到的超過所須175千瓦功率(設計功率)的第一個數值為251千瓦，所求聯軸器的規格即在該欄的上方為230。



# Coupling-HRC 錐套式聯軸器

表1 : Table 1-Dimension(mm)

型號 coupling size	額定扭矩 Nominal Torque Nm	外徑 Overall Diameter A	轂徑 Hub diameter B	裝配長度 Assembled Length F	橡膠孔直徑 Element Ring Dia E	橡膠厚度 Element Ring Width G	平行度偏差 Parallel Misalign- ment	重量 Mass kg	裝配長度 Assembled length (L)		
									FF,FH,HH	FB,HB	BB
70	31	69	60	25.5	31	18.5	0.3	1	65.5	65.5	65.5
90	80	85	70	30.5	32	22.5	0.3	1.17	69.5	76.5	82.5
110	160	112	100	45.5	45	29.5	0.3	5	82.5	100.5	119.5
130	315	130	105	53.5	50	36.5	0.4	5.46	89.5	110.5	131.5
150	600	150	115	60.5	62	40.5	0.4	7.11	107.5	129.5	152.5
180	950	180	125	73.5	77	49.5	0.4	16.65	142.5	165.5	189.5
230	2000	225	155	85.5	99	59.5	0.5	26.05	164.5	202.5	239.5
280	3150	275	206	105.5	119	74.5	0.5	50.05	207.5	246.5	285.5

Angular misalignment capacity up to 1 deg. 標準偏角達1°

Mass is for an FF FH or HH coupling with mid range Taper Lock Bushes.

FF FH或HH聯軸器中心區域主要是搭配錐套使用。

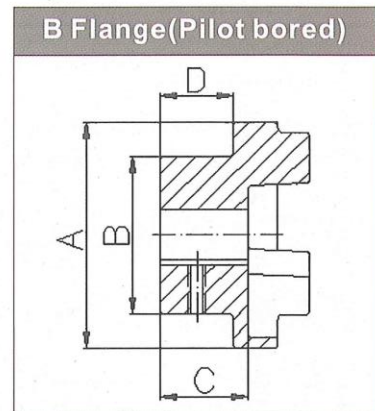
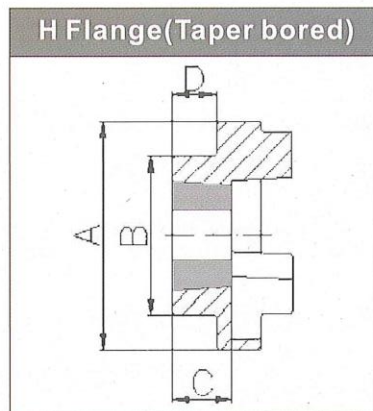
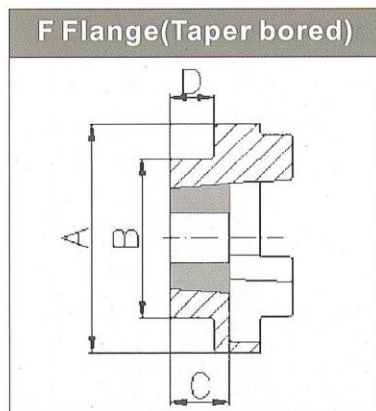
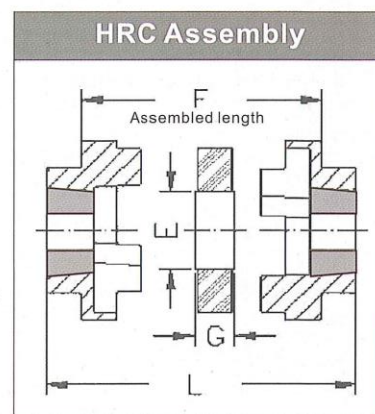
F refers to combinations of flanges: FF FH HH FB HB BB.

F指的是法蘭的組合有: FF FH HH FB HB BB

J is the wrench clearance required for tightening and loosening the bush on the shaft.

The use of a shortened key will allow this dimension to be reduced.

J是鬆緊軸上軸套所需的扳手空間。採用縮短了的扳手可減少此一尺寸。



## HRC Type F&H

型號 coupling Size	錐套尺寸 Bush size	最大孔徑 Max. Bore		Hub Width C	Shoulder Width D	J
		mm	inch			
70	1008	25	1"	23.5	20	29
90	1108	28	1 1/8"	23.5	19.5	29
110	1610	42	1 5/8"	26.5	18.5	38
130	1610	42	1 5/8"	26.5	18	38
150	2012	50	2"	33.5	23.5	42
180	2517	65	2 1/2"	46.5	34.5	48
230	3020	75	3"	52.5	39.5	55
280	3525	95	3 11/16"	66.5	51	67

## HRC Type B

型號 coupling Size	最大孔徑 Max. Bore	中心孔徑 Pilot Bore	Keyway Screw size	Hub Width C	Shoulder Width D
70	32	8	M6	23.5	20
90	42	10	M6	30.5	26
110	55	10	M10	45.5	37
130	60	15	M10	47.5	39
150	70	20	M10	56.5	46
180	80	25	M10	70.5	58
230	100	25	M12	90.5	77
280	115	30	M16	105.5	90





# Coupling-HRC 錐套式聯軸器

表2：工況系數 Table2：SERVICE FACTORS

	驅動裝置類型 Type of Driving Unit					
	電動機 Electric Motors 汽輪機 Steam Turbines			內燃機 Internal Combustion Engines 蒸氣機 Steam Engines 水輪機 Water Turbines		
	每日工作小時數 Hours per day duty			每日工作小時數 Hours per day duty		
被驅動機器的等級 Driven Machine Class	8以下 8 and under	8以上 至16 over 8 to 16 inclusive	超過16 over 16			
<b>均勻 UNIFORM</b> 攪拌機、釀造機械、離心式鼓風機、離心式壓縮機、運輸機、離心式扇風機與泵、發電機、污水處理設備。 Agitators, Brewing machinery, Centrifugal blowers, Centrifugal compressors+, Conveyors, Centrifugal fans and pumps, Generators, Sewage disposal equipment.	1.00	1.12	1.25	1.25	1.40	1.60
<b>中等衝擊 MODERATE SHOCK</b> 黏土加工機械、起重機、洗衣機、木工機械、機床、旋轉式研磨機、造紙廠機械、紡織機關。 Clay working machinery, crane hoists, Laundry machinery, Wood working machinery, Machine tools, Rotary mills, Paper mill machinery, Textile machinery, Non-uniformly loaded centrifugal pumps.	1.60	1.80	2.00	2.00	2.24	2.50
<b>重負荷衝擊 HEAVY SHOCK</b> 往復式運輸機、軋碎機、搖動輸送機、金屬軋機、橡膠機械(密閉式混煉器與研磨機、往復式壓縮機) Reciprocating conveyors, Crushers, Shakers, Metal mills, Rubber machinery (Banbury mixers and mills), Reciprocating compressors, Welding sets.	2.50	2.80	3.12	3.12	3.55	4.00

表3：額定功率 Table3：POWER RATINGS (KW)

速度 (轉/分) Speed (rev / min)	聯軸器規格 / Coupling Size							
	70	90	110	130	150	180	230	280
100	0.33	0.84	1.68	3.30	6.28	9.95	20.9	33.0
200	0.66	1.68	3.35	6.60	12.6	19.9	41.9	65.0
400	1.32	3.35	6.70	13.2	25.1	39.8	83.8	132
600	1.98	5.03	10.1	19.8	37.7	59.7	126	198
720	2.37	6.03	12.1	23.8	45.2	71.6	151	238
800	2.64	6.70	13.4	26.4	50.3	79.6	168	264
960	3.17	8.04	16.1	31.7	60.3	95.5	201	317
1200	3.96	10.1	20.1	39.6	75.4	119	251	396
1440	4.75	12.1	24.1	47.5	90.5	143	302	475
1600	5.28	13.4	26.8	52.8	101	159	335	528
1800	5.94	15.1	30.2	59.4	113	179	377	594
2000	6.60	16.8	33.5	66.0	126	199	419	660
2200	7.26	18.4	36.9	72.6	138	219	461	726
2400	7.92	20.1	40.2	79.2	151	239	503	
2600	8.58	21.8	43.6	85.8	163	259	545	
2880	9.50	24.1	48.3	95	181	286		
3000	9.90	25.1	50.3	99	188	298		
3600	11.9	30.1	60.3	118	226			
額定扭矩 Nominal Torque	31.5	80	160	315	600	950	2000	3150
最大扭矩 Max Torque	72	180	360	720	1500	2350	5000	7200



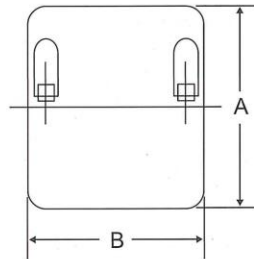
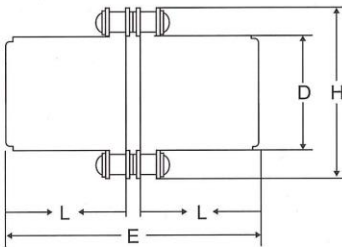
# Roller Chain Coupling-HT 鏈條式聯軸器



1. 聯軸器之本體係由二只鏈輪(材質:中碳鋼 S45C)及一條雙排鏈條所組成。
2. 聯軸器之外殼係採用鋁合金壓鑄成型。

本體 Coupling

外殼 Casing

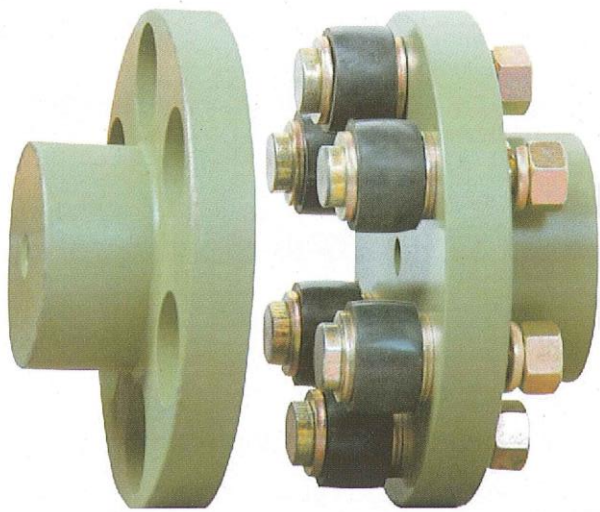


1. The coupling portion is composed of two hardened steel sprockets (material:S45C) and one RS double strand roller chain
2. The case is made of Aluminum alloy.

TYPE 型號	Max (RPM) 最大轉速	Rated Torque (Nm) 扭矩	Coupling 聯軸器								Casing 外殼		
			Bore Diameter 孔徑		E	L	D	H	推薦馬力 (HP)	重量 (kgs)	A	B	重量 (kgs)
			Min 最小	Max 最大									
HT 4012	4800	210	10	22	80	36	35	61	1 HP	0.8	75	75	0.3
HT 4016	4800	380	12	30	80	36	50	77	2-3 HP	1.4	92	75	0.4
HT 5016	3600	725	14	40	100	45	60	96	5 HP	2.6	111	85	0.6
HT 5018	3000	925	16	45	100	45	70	106	7.5-10 HP	3.5	122	85	0.7
HT 6018	2500	1750	16	55	120	54	85	128	15-20 HP	6.2	142	106	1.0
HT 6022	2500	2400	18	75	120	54	110	152	30 HP	9.8	167	106	1.2
HT 8018	2000	3800	20	78	150	67	115	170	40 HP	13.9	186	130	2.3
HT 8022	2000	5500	20	95	150	67	140	202	50 HP	20.2	220	130	2.4
HT 10020	1800	8700	25	110	201	91	160	228	75 HP	34	248	152	3.2
HT 12018	1500	13250	30	120	261	119	170	252	100 HP	51	305	180	5.6
HT 12022	1200	17800	30	150	261	119	210	300	125 HP	80	355	180	7.1



# Coupling-FCL 彈性套柱銷聯軸器

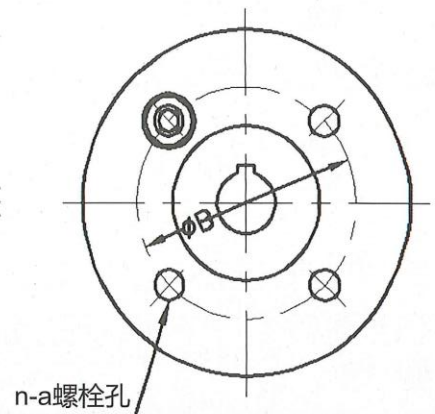
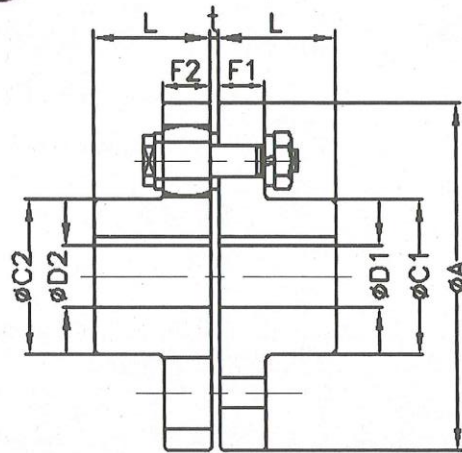
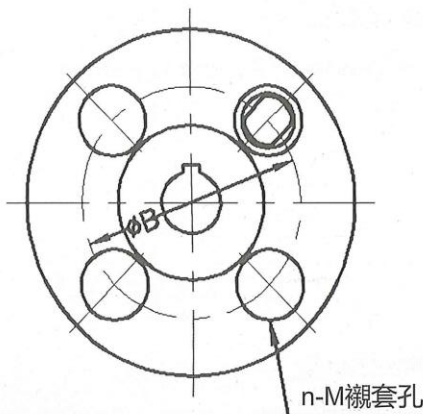


FCL彈性柱銷聯軸器，結構簡單、安裝及更換簡便，在其運轉過程中能使機械傳動產生的震動得到緩衝，並吸收不均勻運動所產生的衝擊，能平衡軸的軸向、徑向和角度的相對位移，顯著改善機械運轉的品質和穩定性，廣泛應用於載荷不大，由電動機驅動的各種中、小功率傳動軸系。如：減速機、起重機、壓縮機、紡織機、泵、變速機等。

◎該聯軸器的許用相對偏移：

徑向位移: 0.2~0.6mm

角度偏差: 0° 30'~ 1° 30'



型號	A	柱銷號 Bolt Part	中心孔 Pilot Bore	L	C			最大孔徑		F		柱銷數 n	a	M	t	最高轉速 rpm	最大扭矩 N.m	重量 kg
					C1	C2	B	D1	D2	F1	F2							
FCL-90	90	F1	8	28	35.5	35.5	60	20	20	14	14	4	8	19	3	4000	4	1.54
FCL-100	100	F2	8	35.5	42.5	42.5	67	25	25	16	16	4	10	23	3	4000	10	2.32
FCL-112	112	F2	8	40	50	50	75	28	28	16	16	4	10	23	3	4000	16	3.09
FCL-125	125	F3	10	45	56	50	85	32	28	18	18	4	14	32	3	4000	25	4.18
FCL-140	140	F3	10	50	71	63	100	38	35	18	18	6	14	32	3	4000	50	5.81
FCL-160	160	F3	10	56	80	80	115	45	45	18	18	8	14	32	3	4000	110	8.24
FCL-180	180	F3	10	63	90	90	132	50	50	18	18	8	14	32	3	3500	157	11.10
FCL-200	200	F4	18	71	100	100	145	56	56	22.4	22.4	8	20	41	4	3200	245	16.60
FCL-224	224	F4	18	80	112	112	170	63	63	22.4	22.4	8	20	41	4	2850	392	22.00
FCL-250	250	F5	20	90	125	125	180	71	71	28	28	8	25	51	4	2550	618	32.40
FCL-280	280	F6	30	100	140	140	200	80	80	28	40	8	28	57	4	2300	980	45.00
FCL-315	315	F6	32	112	160	160	236	90	90	28	40	10	28	57	4	2050	1568	61.10
FCL-355	355	F7	40	125	180	180	260	100	100	35.5	56	8	35.5	72	4	1800	2500	91.73
FCL-400	400	F7	40	125	200	200	300	110	110	35.5	56	10	35.5	72	4	1600	3550	127.70



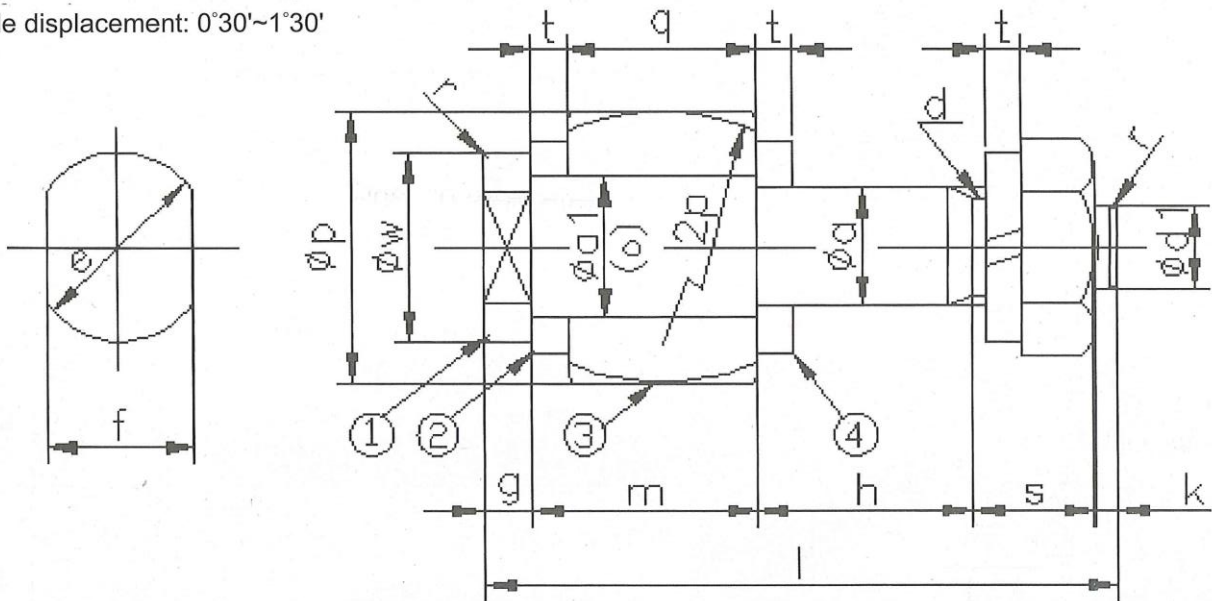
# Coupling-FCL 彈性套柱銷聯軸器

FCL flexible coupling is widely used for its compact design, easy installation, convenient maintenance, small size and light weight. As long as the relative displacement between shafts is kept within the specified tolerance, coupling will operate the best function and have a longer working life. Thus, it is greatly demanded in medium and minor power transmission systems driven by motors, such as speed reducers, hoists, compressor, conveyers, spinning and weaving machines and ball mills.

◎permissible relative displacement:

Radial displacement: 0.2~0.6mm

Angle displacement: 0°30'~1°30'



編號 Type	標記 axl	螺紋標記 d	①螺柱 Bolt											②墊片 Washer		③膠圈 Bush		④墊片 Washer			
			a1	a	d1	e	f	g	h	s	k	m	l	r	w	t	o	p	q	w	t
F1	8x50	M8	9	8	5.5	12	10	4	15	12	2	17	50	0.4	14	3	9	18	14	14	3
F2	10x56	M10	12	10	7	16	13	4	17	14	2	19	56	0.5	18	3	12	22	16	18	3
F3	14x64	M12	16	14	9	19	17	5	19	16	3	21	64	0.6	25	3	16	31	18	25	3
F4	20x85	M20	22	20	15	28	24	5	25	25	4	25	85	1	32	3	22	40	22	32	3
F5	25x100	M24	28	25	18	34	30	6	30	27	5	32	100	1	40	4	28	50	28	40	4
F6	28x116	M24	32	28	18	38	32	6	30	31	5	44	116	1	45	4	32	56	40	45	4
F7	35.5x150	M30	40	35.5	23	48	41	8	38.5	36.5	6	61	150	1	50	5	40	71	56	50	5



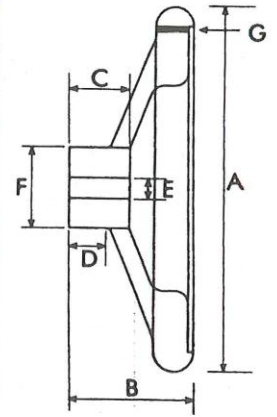
# Handwheels、Handle 手輪、握把

## HB Handwheels 電鍍手輪

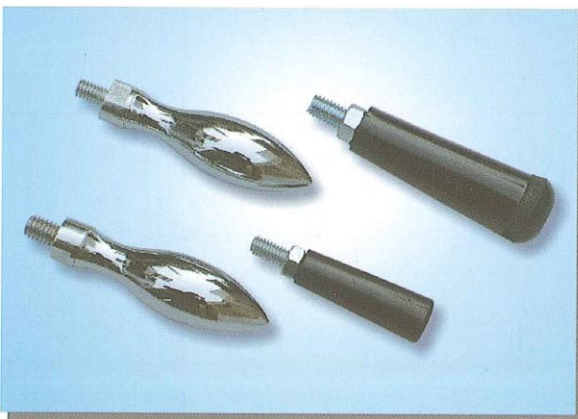


Model No.	A	B	C	D	E	F	G	N.W
HB-3	76	34	20	12	8	31	-	0.29kg
HB-3.5	89	38	23	15	8	33	5/16"	0.49kg
HB-4	101	41	21	13	8	40	5/16"	0.56kg
HB-5	127	48	27	15	8	48	5/16"	0.88kg
HB-6	152	56	30	19	10	50	3/8"	1.19kg
HB-7	177	60	31	18	10	53	3/8"	1.66kg
HB-8	203	61	30	18	10	60	3/8"	2.27kg
HB-10	254	75	34	21	10	67	3/8"	3.41kg
HB-12	304	89	42	27	10	70	3/8"	4.94kg
HB-14	355	85	40	28	14	74	3/8"	7.41kg
HB-16	406	96	45	29	14	84	3/8"	10.21kg
HB-18	457	103	49	29	14	84	3/8"	12.04kg
HB-20	508	97	47	28	14	84	3/8"	14.11kg

Unit:mm



## HZ/HH Handle 握把

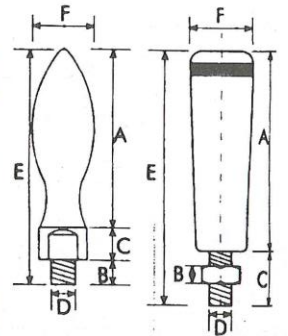


### HZ 電鍍握把 Chrome Plated Handle

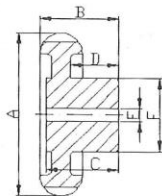
Model No.	A	B	C	D	E	F	N.W
HZ-5/16	61	12	8	5/16"	81	20	0.088kg
HZ-3/8	75	12	10	3/8"	96	25	0.152kg

### HH 塑膠握把 Plastic Handle

Model No.	A	B	C	D	E	F	N.W
HH-5/16	53	6	15	5/16"	70	19	0.034kg
HH-3/8	81	7	16	3/8"	102	27	0.08kg



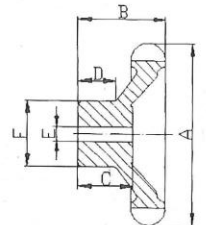
## HF Handwheels 梅花型手輪



Unit:mm

Model No.	A	B	C	D	E	F	N.W (kg)
HF-2.5"	63.5	34.2	32	25.5	6	27	0.3
HF-3"	76.2	34.2	30.4	22.5	6	34.5	0.51

## HA Handwheels 錐型手輪



Unit:mm

Model No.	A	B	C	D	E	F	N.W (kg)
HA-3"	75	37.8	21	14	6.5	27	0.45