

規格・尺寸表・型號

Specifications, Dimensions and Models

TCG精密齒條 & 滾輪

標準型・高精度型

TCG Cam Rack & Roller Pinion STANDARD Model, High accuracy Model

精密齒條

Cam Rack

標準型規格

STANDARD Model Specifications

標準品有以下5款。 Standard products are summed up for the following five types.

標準型精密齒條和高精度型齒條共用相同的滾輪。 STANDARD Model and High accuracy model use the same pinion.

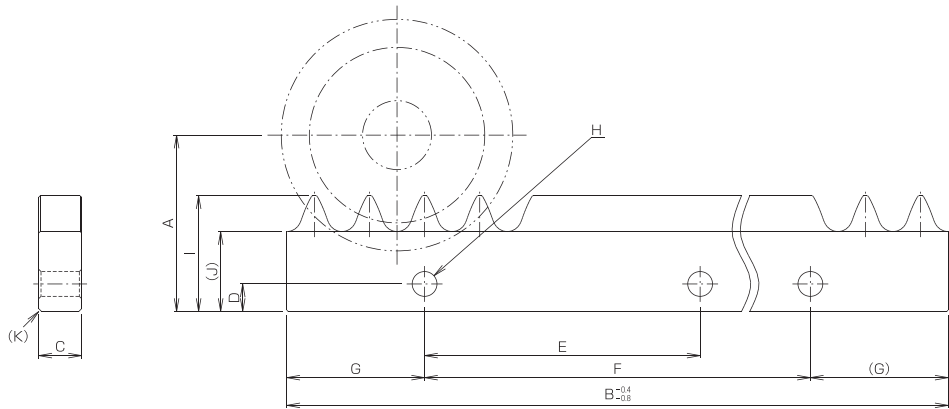
項 目 Items		型 號 Model	CPA / CRE 系列 CPA / CRE series				
		滾 輪 Roller pinion	CPA1610B	CPA2010B	CPA2510B	CPA3212B	CPA4012B
		齒 條 Cam Rack	CRE1610A	CRE2010A	CRE2510A	CRE3212A	CRE4012A
共同規格 Common spec	容許動額定荷重 Allowable dynamic rated load	N (kg f)	1000 (101.9)	1500 (152.9)	2200 (224.3)	3600 (367.0)	6000 (611.8)
	容許靜額定荷重 Allowable static rated load	N (kg f)	1500 (152.9)	2250 (229.4)	3300 (336.5)	5400 (550.6)	9000 (917.7)
	容許動額定轉矩 (注1) Allowable dynamic rated torque	N・m (kg f・m)	25.5 (2.60)	47.7 (4.86)	87.5 (8.92)	220 (22.43)	458.4 (46.74)
	容許靜額定轉矩 (注1) Allowable static rated torque	N・m (kg f・m)	38.2 (3.89)	71.7 (7.31)	131.3 (13.38)	329.9 (33.64)	687.6 (70.11)
	滾輪一回轉移動距離 Displacement distance of pinion per rotation	mm / 回轉 mm / revolution	160	200	250	384	480
	最大壓力角 Max pressure angle	°	30.7	30.1	30.7	30.1	30.0
	模數(滾輪P.C.D/齒數) Module	mm	4.75	6	7.5	9.5	12
滾 輪 Roller pinion	齒數 Number of tooth	齒 teeth	10	10	10	12	12
	外徑 Outer Diameter	mm	67	84	101	148	190
	齒距圓直徑 (注2) Diameter of pitch circle	mm	50.9	63.7	79.6	122.2	152.8
	重量 Mass weight	kg	0.71	1.3	2.1	6.4	12.4
	慣性矩 Inertia moment (GD ²)	kg・m ² (kg f・m ²)	3.93×10 ⁻⁴ (15.7×10 ⁻⁴)	10.5×10 ⁻⁴ (42×10 ⁻⁴)	25.5×10 ⁻⁴ (102×10 ⁻⁴)	169×10 ⁻⁴ (676×10 ⁻⁴)	594×10 ⁻⁴ (2376×10 ⁻⁴)
齒 條 Cam Rack	齒距 Pitch	mm	16	20	25	32	40
	長度 Predetermined length	mm	992	1000	1000	992	1000
	齒數 Number of tooth	齒 teeth / length	62	50	40	31	25
	重量 Mass weight	kg	2.2	4.2	5.4	8.4	13.8

注1：容許動額定轉矩(容許靜額定轉矩)為從容許動額定轉矩(容許靜額定轉矩)和齒距圓直徑所計算出來的值。
*1 Allowable dynamic rated torque (e allowable static rated torque) is value observed when applying allowable dynamic rated load (allowable static rated load) to roller pinion along diameter formed by pitch circle.

注2：是理論值，並不是實際滾輪的齒距圓直徑。
*2 The indicated pitch circle diameter values are theoretical, not representing the actual pitch circle diameters of the respective roller pinions.

外型尺寸圖 Outside Dimensional Drawing

CRE 1610A-4012A



尺寸表 Dimension Table

型號 Model	A	B	C	D	E	F	G	H	I	J	K	齒距 Pitch mm	定尺 Predetermined length mm	齒數 Number of tooth	重量 Mass weight
CRE1610A	48	992	12.0	7	96	10×96	16	11-φ7	30.5	20.2	C1	16	992	62	2.2
CRE2010A	64	1000	16.0	10	100	9×100	50	10-φ9	42	29	C1	20	1000	50	4.2
CRE2510A	75	1000	19.0	12	100	9×100	50	10-φ11	48	31.5	C1	25	1000	40	5.4
CRE3212A	102	992	25.0	14	96	10×96	16	11-φ14	57	37	C1	32	992	31	8.4
CRE4012A	129	1000	32.0	16	120	7×120	80	8-φ18	72.6	46	C1	40	1000	25	13.8

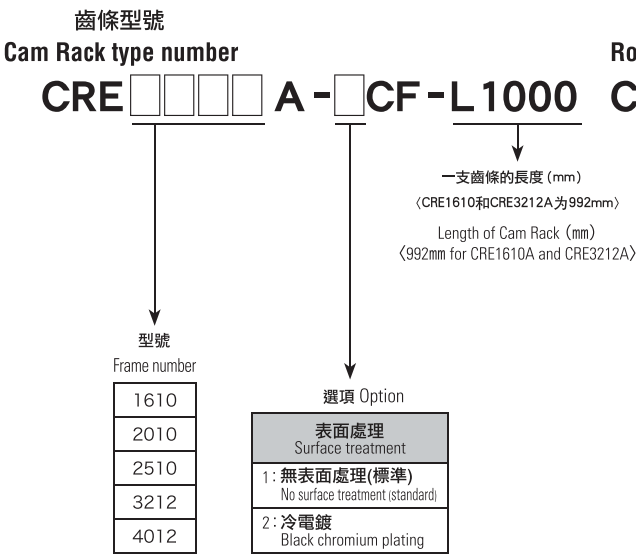
切斷 Cutting

標準型的切斷，顧客可以參照高精度型的切斷尺寸自行切斷，惠祥不提供此項服務。
If you want to cut Rack for short length, Please refer to high accuracy rack model at P12. kamo does not provide this service.

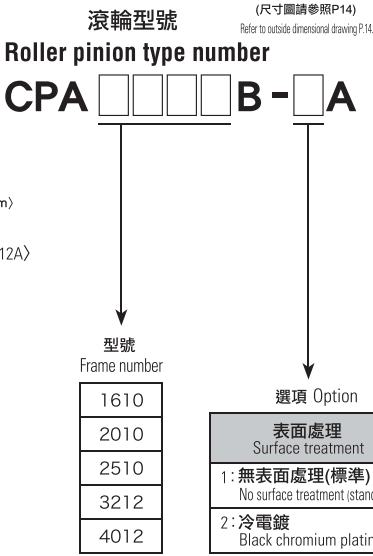
型號標示 Model indication

請您在訂購時依據下列型號來進行訂購。 Please order us in accordance with the type indicated as follows:

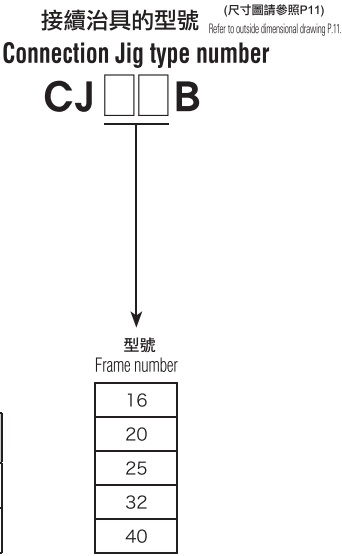
CRE1610A ~ CRE4012A



CPA1610B ~ CPA4012B



CRE1610A ~ 4012A



※ 一支齒條的長度為1000mm(CRE1610A與CRE3212A為992mm)。
Length of the Cam Rack is 1000mm (992mm for CRE1610A and CRE3212A).

高精度型

High accuracy Model Specifications

標準品有以下8種規格，尺寸請參考後頁
Standard products are summed up for the following eight types. Dimensions are raised on back.

型 號Model		CPA / CRA 系列 CPA / CRA series								CPC / CRC 系列 CPC / CRC series				
		滾 輪 Roller pinion	CPA1010B	CPA1210B	CPA1610B	CPA2010B	CPA2510B	CPA3212B	CPC3212A	CPC4012A				
		齒 條 Cam Rack	CRA1010A	CRA1210A	CRA1610A	CRA2010A	CRA2510A	CRA3212A	CRC3212A	CRC4012A				
項 目Items														
通用規格 Common spec.	基本動額定荷重 Basic dynamic rated load	N	250	500	1000	1500	2200	3600	6000	15000				
	最大使用荷重 Maximum working load	N	250	500	1700	2200	3100	6600	10500	18000				
	容許靜額定荷重 Allowable static rated load	N	380	750	2000	3000	4400	7200	18900	26000				
	基本動額定轉矩（註1）* Basic dynamic rated torque	N・m	4.0	9.5	25.5	47.7	87.5	220	366.6	1146				
	最大使用轉矩（註1）* Maximum working torque	N・m	4.0	9.5	43.3	70.1	123.4	403.3	641.5	1375.2				
	容許靜額定轉矩（註1）* Allowable static rated torque	N・m	6.0	14.3	50.9	95.5	175.1	440	1150	1986.4				
	滾輪迴轉一圈的移動距離 Displacement distance of pinion per rotation	mm／迴轉 mm／revolution	100	120	160	200	250	384	384	480				
	最大壓力角。 Max pressure angle		31	30.2	30.7	30.1	30.7	30.1	30.1	30.0				
模數（滾輪P.C.D／齒數） Module	mm	3	3.6	4.75	6	7.5	9.5	9.5	12					
滾 輪 Roller pinion	齒數 Number of tooth	齒 teeth	10	10	10	10	10	12	12	12				
	齒距節圓直徑（註2）* Diameter of pitch circle	mm	31.831	38.197	50.9	63.7	79.6	122.2	122.2	152.8				
	重量 Mass weight	kg	0.20	0.31	0.71	1.3	2.1	6.4	6.4	12.4				
	慣性矩 Inertia moment	kg・m ²	0.41×10 ⁻⁴	0.96×10 ⁻⁴	3.93×10 ⁻⁴	10.5×10 ⁻⁴	25.5×10 ⁻⁴	169×10 ⁻⁴	169×10 ⁻⁴	594×10 ⁻⁴				
齒 條 Cam Rack	齒距 Pitch	mm	10	12	16	20	25	32	32	40				
	長度 Predetermined length	mm	480	480	512 992	500 1000	500 1000	512 992	512 992	520 1000				
	齒數 Number of tooth	齒 teeth／length	48	40	32 62	25 50	20 40	16 31	16 31	13 25				
	重量 Mass weight	kg	0.6	0.6	1.1 2.2	2.1 4.2	2.7 5.4	4.2 8.4	4.2 8.4	6.9 13.8				

註1:基本動額定轉矩（最大使用轉矩、容許靜額定轉矩）是指載入在滾輪滾銷齒距節圓直徑上的基本動額定負載（最大使用荷重、容許靜額定荷重）所產生的轉矩。
* 1 Basic dynamic rated torque (maximum working torque, allowable static rated torque) is torque observed when applying basic dynamic rated load (maximum working load, allowable static rated load) to roller pinion along diameter formed by pitch circle.

註2:基本動額定轉矩（最大使用轉矩、容許靜額定轉矩）是指載入在滾輪滾銷齒距節圓直徑上的基本動額定負載（最大使用荷重、容許靜額定荷重）所產生的轉矩。
* 2 The indicated pitch circle diameter values are theoretical, not representing the actual pitch circle diameters of the respective roller pinions.

用語説明

Explanation of terms

基本動額定荷重
Basic dynamic rated load

最大使用荷重
Maximum working load

容許靜額定荷重
Allowable static rated load

額定壽命
Rated life span

：在一定速度連續運轉時，滿足額定壽命的基本負載。
Basic load to fulfill rated life span when constantly operated at fixed speed.

：在通常運轉時候可以使用的負載最大值（包含加減速時峰值負載）。
The maximum value of load (including peak load at the time of acceleration/deceleration) applicable when constantly operated at fixed speed.

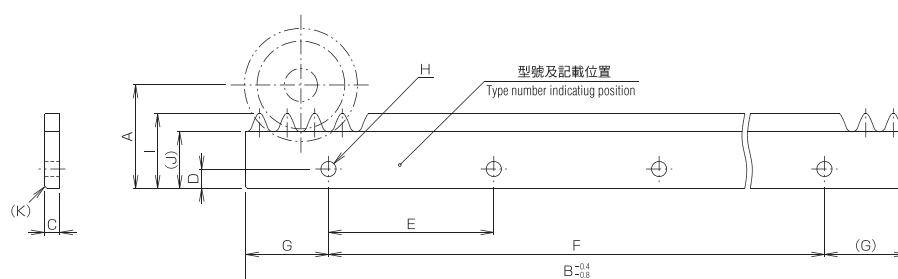
：在緊急停止或者受到外力衝擊等一些非常情況下負載的最大值。
The maximum value of load other than normal working load, such as impact load due to emergency stop or external application.

：定負載作為負載，以一定的速度連續運轉時的壽命稱為額定壽命，以滾輪回轉次數來表示。
額定壽命： 1010型～1210型/為270,000,000 回轉（滾輪在 300rpm壽命時間為15000小時）
1610型～4012型/為60,000,000 回轉（滾輪在 100rpm壽命時間為10000小時）
Life span determined in terms of rotational numbers of roller pinion when consecutively operated with basic dynamic rated load at fixed speed.
Rated life span： 270,000,000 times of revolution for 1010～1210 (Upon operating roller pinion at 300rpm, serving life time results in 15,000 hours.)
60,000,000 times of revolution for 1610～4012 (Upon operating roller pinion at 100rpm, serving life time results in 10,000 hours.)

精密齒條 Cam Rack

外型尺寸圖 Outside Dimensional Drawing

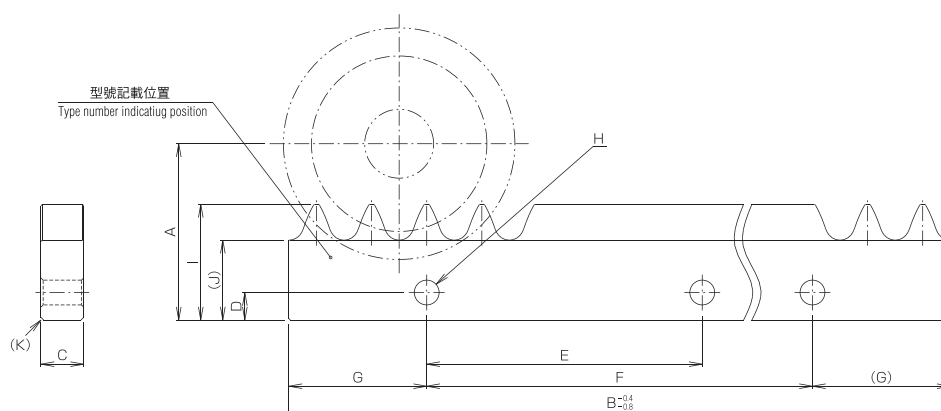
CRA 1010A-1210A



※CRA1010A、1210 無法選擇底面螺栓孔選項。

Tap hole option at bottom surface is not applied to CRA1010A,CRA1210A.

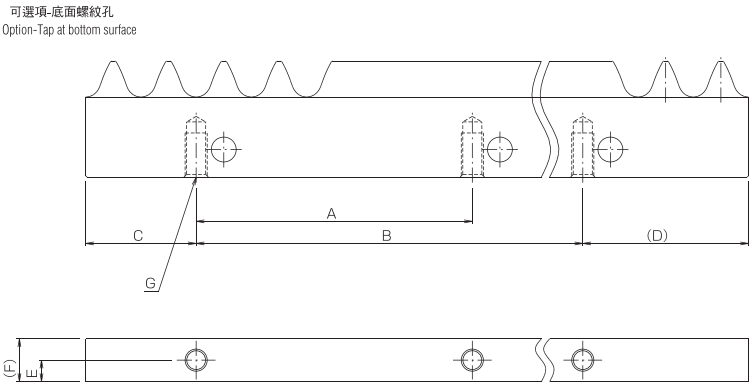
CRA 1610A-3212A, CRC 3212A-4012A



■ 尺寸表 Dimension Table

型 號 Model	A	B		C	D	E	F		G	H		I	J	K	齒距 Pitch mm	定尺 Predetermined length mm		齒數 Number of tooth		重量 Mass weight	
		L1	L2				L1	L2		L1	L2					L1	L2	L1	L2	L1	L2
CRA1010A	37.5	480	—	5.7	7	60	7×60	—	30	8-φ5.5	—	27	20.5	C1	10	480	—	48	—	0.6	—
CRA1210A	40	480	—	5.7	7	60	7×60	—	30	8-φ5.5	—	27	19.5	C1	12	480	—	40	—	0.6	—
CRA1610A	48	992	512	11.5	7	96	10×96	5×96	16	11-φ7	6-φ7	30.5	20.2	C1	16	992	512	62	32	2.2	1.1
CRA2010A	64	1000	500	15.5	10	100	9×100	4×100	50	10-φ9	5-φ9	42	29	C1	20	1000	500	50	25	4.2	2.1
CRA2510A	75	1000	500	18.5	12	100	9×100	4×100	50	10-φ11	5-φ11	48	31.5	C1	25	1000	500	40	20	5.4	2.7
CRA3212A	102	992	512	24.5	14	96	10×96	5×96	16	11-φ14	6-φ14	57	37	C1	32	992	512	31	16	8.4	4.2
CRC3212A	102	992	512	24.5	14	96	10×96	5×96	16	11-φ14	6-φ14	57	37	C1	32	992	512	31	16	8.4	4.2
CRC4012A	129	1000	520	31.5	16	80	11×80	5×80	60	12-φ18	6-φ18	72.6	46	C1	40	1000	520	25	13	13.8	6.9

CRA 1610A-3212A, CRC 3212A-4012A (選項 Y)



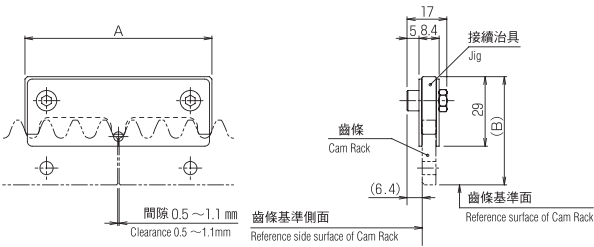
● 選項-底面螺紋孔 Tap at bottom surface Dimension Table

型 號 Model	A	B		C	D	E	F	G	
		L1	L2					L1	L2
CRA1610A	96	10×96	5×96	8	24	5.75	11.5	11-M6 深 12 Deep 12	6-M6 深 12 Deep 12
CRA2010A	100	9×100	4×100	40	60	7.75	15.5	10-M8 深 16 Deep 16	5-M8 深 16 Deep 16
CRA2510A	100	9×100	4×100	37.5	62.5	9.25	18.5	10-M10 深 20 Deep 20	5-M10 深 20 Deep 20
CRA3212A	96	9×96	4×96	48	80	12.25	24.5	10-M12 深 24 Deep 24	5-M12 深 24 Deep 24
CRC3212A	96	9×96	4×96	48	80	12.25	24.5	10-M12 深 32 Deep 32	5-M12 深 32 Deep 32
CRC4012A	80	12×80	6×80	20	20	15.75	31.5	13-M16 深 32 Deep 32	7-M16 深 32 Deep 32

■ 齒條接續治具尺寸表 Dimensional drawing of connecting jig

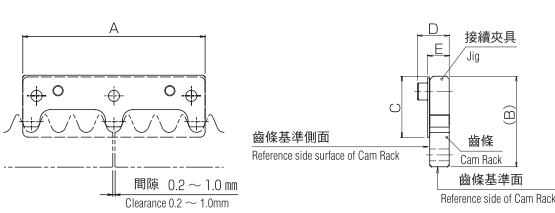
● CJ10A～CJ12A 如下

For CJ10A～CJ12A



● CJ16B～CJ40B 如下 (CRA和CRE齒條共用)

For CJ16B～CJ40B



齒條接續治具的尺寸圖 Dimentional sizes for connecting jig

接續治具型號 Jig model	A	B	C	D
CJ10A	65	46.2	—	—
CJ12A	78	45.1	—	—
CJ16B	106	53.4	36	12.7
CJ20B	132	74.4	50	16.7
CJ25B	114	82.7	52	19.7
CJ32B	150	91	52	19.7
CJ40B	190	104.4	52	19.7



精密齒條 Cam Rack

齒條的裁斷尺寸 Cutting Cam Rack Sizes

CRA1010A		
齒條長度 (mm) Length of Cam Rack	齒 數 Number of teeth	橫孔數 Number of side mount hole
480	48	8
420	42	7
360	36	6
300	30	5
240	24	4
180	18	3

CRA1210A		
齒條長度 (mm) Length of Cam Rack	齒 數 Number of teeth	橫孔數 Number of side mount hole
480	40	8
420	35	7
360	30	6
300	25	5
240	20	4
180	15	3

CRA1610A		
齒條長度 (mm) Length of Cam Rack	齒 數 Number of teeth	橫孔數 Number of side mount hole
992	62	11
896	56	10
800	50	9
704	44	8
608	38	7
512	32	6
416	26	5
320	20	4
224	14	3

CRA2010A		
齒條長度 (mm) Length of Cam Rack	齒 數 Number of teeth	橫孔數 Number of side mount hole
1000	50	10
900	45	9
800	40	8
700	35	7
600	30	6
500	25	5
400	20	4
300	15	3

CRA2510A		
齒條長度 (mm) Length of Cam Rack	齒 數 Number of teeth	橫孔數 Number of side mount hole
1000	40	10
900	36	9
800	32	8
700	28	7
600	24	6
500	20	5
400	16	4
300	12	3

CRA3212A		
齒條長度 (mm) Length of Cam Rack	齒 數 Number of teeth	橫孔數 Number of side mount hole
992	31	11
896	28	10
800	25	9
704	22	8
608	19	7
512	16	6
416	13	5
320	10	4
224	7	3

CRC3212A		
齒條長度 (mm) Length of Cam Rack	齒 數 Number of teeth	橫孔數 Number of side mount hole
992	31	11
896	28	10
800	25	9
704	22	8
608	19	7
512	16	6

※ 關於CRC3212型，長度在512mm以下無法截斷。
The short length less than 512mm is not available for 3212.

CRC4012A		
齒條長度 (mm) Length of Cam Rack	齒 數 Number of teeth	橫孔數 Number of side mount hole
1000	25	12
920	23	11
840	21	10
760	19	9
680	17	8
600	15	7
520	13	6

※ 關於CRC4012型，長度在520mm以下無法截斷。
The short length less than 520mm is not available for 4012.

※ 關於CRA3212底面螺紋孔Y選項時，長度最短320mm最長992mm。
Regarding to CRA3212 series, these Cam Rack length are limited 320mm to 992mm in case of selecting option Y (with bottom top)

齒條的切斷 Cutting Cam Rack

若您需要短尺寸可將齒條裁斷。裁斷時請從齒底進行裁斷。(因為齒面有熱處理，請注意)
另外，裁斷可以由本公司來處理，但此時會發生裁斷費用。
Cut Cam Rack when used as a short size tool. Cut at dedendum (root bottom) of tooth. Take care because dedendum is hardened.
Cam Rack may be cut in our company at actual expense.

※上述以外的尺寸，請與本公司聯繫。
Please ask us about sizes other than the above.

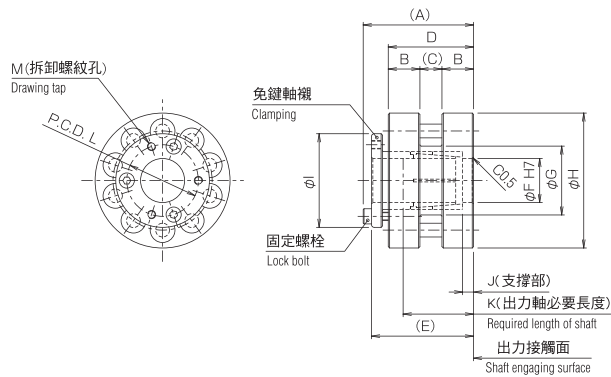


滾輪

Roller Pinion

外形尺寸圖 Outside Dimensional Drawing

CPA 1010B, 1210B



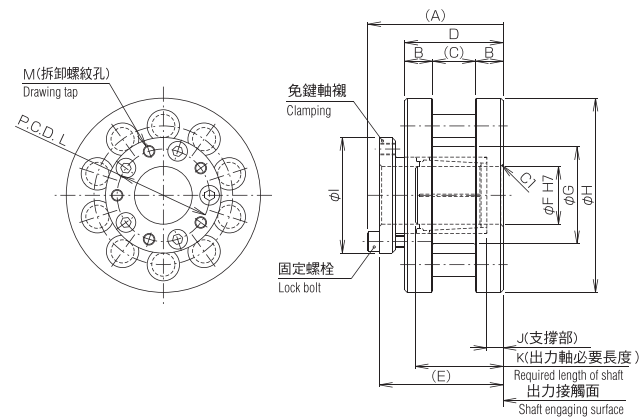
尺寸表 Dimension Table

型 號 Model	模 數 Module	齒 數 Number of tooth	A	B	C	D	E	F	G	H	I	J	K	L
CPA1010B	3	10	37	10.5	8	29	34.5	12	20	41	27	5	23	20
CPA1210B	3.6	10	40.1	11.5	8	31	37.1	16	25	49	34	4	25.6	26
CPA1610B	4.75	10	52.5	12	14.5	38.5	48.5	20	33	67	42	7.5	33.5	33
CPA2010B	6	10	58.5	12	18.5	42.5	53.5	25	42	84	50	7	38	40
CPA2510B	7.5	10	67.5	14	21.5	49.5	61.5	30	51	101	63	7.5	43.5	51
CPA3212B	9.5	12	88.5	20	28.5	68.5	82.5	45	88	148	82	11	58	68
CPC3212A	9.5	12	88.5	20	28.5	68.5	82.5	45	88	148	82	11	58	68
CPC4012A	12	12	—	30	36.5	96.5	—	60	109	190	90	20	88	74.8

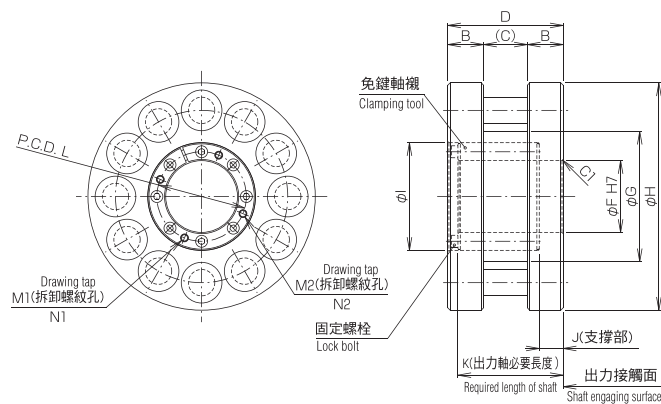
滾輪 Roller Pinion

外形尺寸圖 Outside Dimensional Drawing

CPA 1610B-3212B, CPC 3212A



CPC 4012A



尺寸表 Dimension Table

型 號 Model	M		N		慣性矩 Inertia moment $\times 10^{-4} \text{ kg} \cdot \text{m}^2$	重量 Mass weight kg
	M1	M2	N1	N2		
CPA1010B	3-M2.5		—		0.41	0.20
CPA1210B	3-M3		—		0.96	0.31
CPA1610B	5-M4		—		3.93	0.71
CPA2010B	5-M5		—		10.5	1.3
CPA2510B	5-M6		—		25.5	2.1
CPA3212B	4-M6		—		169	6.4
CPC3212A	4-M6		—		169	6.4
CPC4012A	2-M6	2-M6	口部 φ 6.6 深 22.5	口部 φ 6.6 深 12	594	12.4

型號表示 Model indication

請您在訂購時依據下列型號來進行訂購。 Please order us in accordance with the type indicated as follows:

● CPA1010B ~ CPA1210B

滾輪型號

Roller pinion type number

CPA -

型號
Frame number

1010B
1210B

選項 Option

表面處理 Surface treatment	精度 Accuracy
1: 無表面處理(標準) No surface treatment (standard)	A: 普通級(標準) Standard grade (standard)
2: 冷電鍍處理 Black chromium plating	B: 精密級 Premium grade

● CRA1010A ~ CRA1210A

齒條型號

Cam Rack type number

CRA A-F-L480

型號
Frame number

1010
1210

選項 Option

表面處理 Surface treatment	精度 Accuracy
1: 無表面處理(標準) No surface treatment (standard)	A: 普通級(標準) Standard grade (standard)
2: 冷電鍍處理 Black chromium plating	B: 精密級 Premium grade

一支齒條的長度(mm)
Length of Cam Rack (mm)

※對於CPA1210B、CPA1010B，如希望可選項2的情況下，只有滾輪本體和加壓法蘭盤為該處理，其它零部件沒有進行表面處理。

If Option 2 is selected for CPA1210B and CPA1010B, the needle bearing and the roller pin are no surface treatment.

※標準齒條長度為480mm。標準以外的短尺寸(在齒底進行切斷)參照P12訂貨時，請明示此尺寸。

The length of the standard Cam Rack is 480mm. For the non-standard shorter dimensions (cut at the tooth root), please refer to P. 12. When you place an order, please indicate such dimensions.

● CPA1610B ~ CPA3212B

滾輪型號

Roller pinion type number

CPA B-

型號
Frame number

1610
2010
2510
3212

選項 Option

表面處理 Surface treatment	精度 Accuracy
1: 無表面處理(標準) No surface treatment (standard)	A : 普通級(標準) Standard grade (standard)
2: 冷電鍍處理 Black chromium plating	
3: 氟素冷電鍍處理 Fluorine black chromium plating	B : 精密級 Premium grade
4: 染黑處理 Blackening	

● CRA1610A ~ CRA3212A

齒條型號

Cam Rack type number

CRA A--L1000
-L500

型號
Frame number

1610
2010
2510
3212

選項 Option

表面處理 Surface treatment	精度 Accuracy
1: 無表面處理(標準) No surface treatment (standard)	A: 普通級(標準) Standard grade (standard)
2: 冷電鍍處理 Black chromium plating	B: 精密級 Premium grade

一支齒條的長度(mm)
Length of Cam Rack (mm)

L1000	CRA1610A 和 CRA3212A 是 992mm 992mm for CRA1610A and CRA3212A
L500	CRA1610A 和 CRA3212A 是 512mm 512mm for CRA1610A and CRA3212A

※ 標準齒條的長度為1,000mm和500mm(CRA1610A和CRA3212A為992mm和512mm)。

關於非標準的短尺寸(從齒底切斷)請參考第P12頁，訂單時，請明示此尺寸。

Standard length of the Cam Rack is 1000mm and 500mm (992mm and 512mm for CRA1610A and CRA3212A). Regarding the availability of the short length other than the standard ones, please refer to P.12. These odd length are cut at dedendum of tooth. Please mention the length upon order.

※ 滾輪的表面處理，選擇2、3的情況下，滾針軸承將做冷電鍍處理。選擇4的情況下，滾針軸承無表面處理。滾銷沒有任何表面處理。

When option 2 or 3 is specified as surface treatment of roller pinion, the surface of bearing used is raydentent. When option 4 is specified, the surface of bearing used is bare (not raydentent).

型號表示 Model indication

● CPC3212A ~ 4012A

滾輪型號

Roller pinion type number

CPC A-

型號
Frame number

3212
4012

選項 Option

表面處理 Surface treatment	精度 Accuracy
1: 無表面處理(標準) No surface treatment (standard)	A : 普通級(標準) Standard grade (standard)
2: 冷電鍍處理 Black chromium plating	
3: 氟素冷電鍍處理 Fluorine black chromium plating	B : 精密級 Premium grade
4: 染黑處理 Blackening	

● CRC3212A ~ 4012A

齒條型號

Cam Rack type number

CRC A- - L 1000

型號
Frame number

3212
4012

選項 Option

表面處理 Surface treatment	精度 Accuracy	安裝孔 Mounting hole
1: 無表面處理(標準) No surface treatment (standard)	A: 普通級(標準) Standard grade (standard)	F: 橫孔(標準) Side mount hole only (standard)
2: 冷電鍍處理 Black chromium plating	B: 精密級 Premium grade	Y: + 追加底面螺絲孔 + Tap at bottom surface

一支齒條的長度(mm)
Length of Cam Rack

- L 520

※ 標準齒條的長度：CRC3212A為992mm和512mm,CRC4012A為1000mm和520mm。

關於非標準的短尺寸(從齒底切斷)請參考第P12頁，訂單時，請明示該尺寸。

Standard length of the Cam Rack is 992mm and 512mm for CRC3212A, 1000mm and 520mm for CRC4012A. Regarding the availability of the short length other than the standard ones, please refer to P.12. These odd length are cut at dedendum of tooth. Please mention the length upon order.

※ 滾輪的表面處理方法選擇2、3的情況下，滾針軸承將做冷電鍍處理。選擇4的情況下，滾針軸承無表面處理。另外，滾銷沒有任何表面處理。

When option 2 or 3 is specified as surface treatment of roller pinion, the surface of bearing used is raydentated. When option 4 is specified, the surface of bearing used is bare (not raydentated).

接續治具型號

Connection Jig type number

● CPA1010B / CRA1010A ~
CPA1210B / CRA1210A

CJ A

型號
Frame number

10
12

● CPA1610B / CRA1610A ~
CPC4012A / CRC4012A

CJ B

型號
Frame number

16
20
25
32
40

※ CRA32和CRC32的治具可以共用。

The same connection jig is applicable to CRA32 and CRC32.