



吉華麗精密油壓生爪

SUPER JAW PRECISION CHUCKING TOOL SERIES



超精密切削夾具

We produce serrated soft jaws for power chuck, tongue and grooved soft jaws, and related outfits such as forming disc, forming ring, T-nut; or special type assigned by customer.

SUPER JAW is the largest and the most professional manufacturer of soft jaw in Taiwan, Besides Taiwan, our customers are world-wide; Japan, Thailand, Singapore, Malaysia, Canada, Spain, South Africa, New Zealand, Australia and U.S.A. ect.

The best quality SUPER JAW believe in and produce it, SUPER JAW can make better of your chucking works!

吉華麗精密實業股份有限公司 SUPER JAW INDUSTRY CO., LTD.

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經銷商

2007.3

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SUPER JAW PRECISION CHUCKING TOOL
SUPER JAW



吉華麗精密實業股份有限公司

SUPER JAW INDUSTRY CO.,LTD.

成立於西元1970年，一直秉持著「品質第一，服務第一」的精神，提供給客戶最好的產品與服務。在累積了三十多年來的技術與經驗，及全體員工不斷的努力下，更積極研發設計一系列產品，而今本公司的產品已外銷至德國、歐洲、日本、東南亞、大陸...等國，已受國際肯定。

面對二十一世紀的挑戰，積極強化企業體系以增加產品競爭能力；不斷提供顧客優越的產品及服務，努力朝向【發展創新・提升效率・保證質量】之目標向前邁進。

SUPER JAW



頂尖的團隊

WE ARE BEST TEAM

■ 設計開發

強而有力的設計群，提供客戶不同需求量身訂做

■ 生產管制

一貫性作業，穩健、踏實、誠信是本公司經營理念

■ 售後服務

秉持服務業的精神，為客戶提供即時服務

三大保證
創造更高品質



營業產品

Product Highlight

油壓生爪

SOFT JAWS FOR HYDRAULIC CHUCK



強力生爪

TONGUE & GROOVED SOFT JAWS



油壓生爪全包/加寬

WRAPPED / WIDENED SOFT JAWS

油壓硬爪

HARD JAWS FOR HYDRAULIC CHUCK

油壓夾頭生爪/T形座

SOFT JAW TEENUT SET



油壓生爪成型圈

SOFT JAW FORMING RING



光電式尋邊器

OPTICAL EDGE FINDER



油壓生爪成型盤

SOFT JAW FORMING DISC



高速頂針

HIGH-SPEED, WATER-PROOF TYPE

► 專業 · 精準 · 高效率

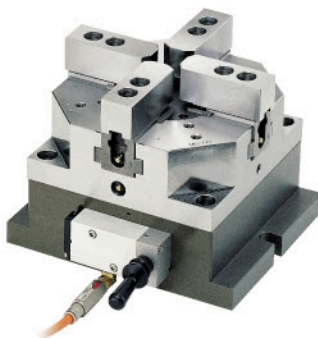
Professional · Precision · High Efficiency

► 精度與速度的挑戰

Challenge for Accuracy and Speed

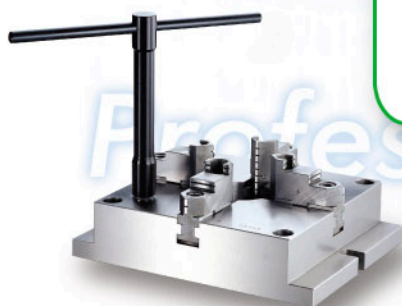
方形氣壓夾盤

PNEUMATIC SQUARE CHUCKS



內藏式中空氣壓三爪夾盤

3-JAWS HOLLOW POWER CHUCK FIXTURES



方形超薄夾盤

SUPER THIN SQUARE CHUCKS

三爪高速中空油壓夾頭

3-JAW HIGH SPEED HOLLOW POWER CHUCKS



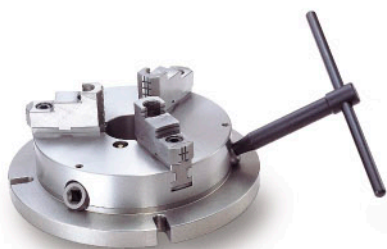
強力型三爪鋼殼夾頭

3-JAWS POWERFUL TYPE STEEL BODY CHUCKS



強力超薄型夾盤

POWERFUL TYPE SUPER THIN CHUCKS



高速中空油壓迴轉缸

SUPER HIGH SPEED HOLLOW ROTARY HYDRAULIC CYLINDERS

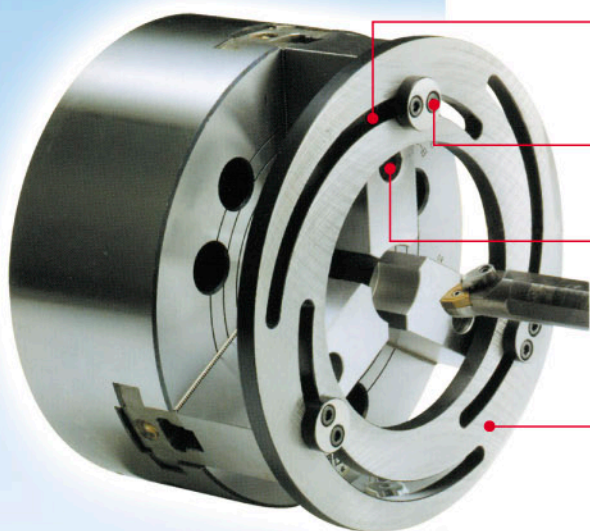


二爪中實油壓夾頭

2-JAWS SOLID POWER CHUCKS

Challenge for Accuracy and Speed

油壓生爪成型圈



三夾順著（漩渦狀態）緩緩迴轉夾緊，可任意調整外夾、內張所需尺寸。

「偏心制止帽梢」逆向鎖緊，活動行程大。

不須再鑽孔攻牙，利用生爪之螺絲孔插入制止帽梢。

本體材質經熱處理後研磨，硬度高，強韌耐久使用。

特點

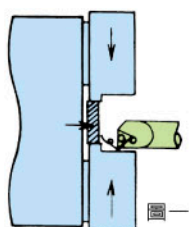
- 成型圈適用5",6",8",10",12",15"六種尺寸油壓夾頭。
- 握持力增強，提高真圓度，圓筒度等精度，不會產生喇叭口狀及離心振動，影響精度。
- 外夾內張二者均可使用，可任意調整所需尺寸，操作迅速簡便，節省時間，永久使用。
- 舊的夾頭使用成型圈後，可提高精度及握持力，使回復同新品一樣。

使用說明

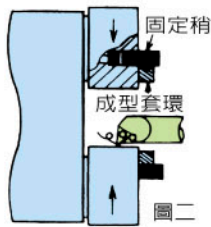
使用成型圈，不但能做到外夾，內張與穿通成形3種方式的成形，尚可夾住工作物件時在同樣的狀態成形，所以芯振擺少，把握力也就提昇。(如圖一二三)

使用成型圈，與夾頭一成形時，無芯振擺現象，把握力達100%，可提高精度。(如圖四)

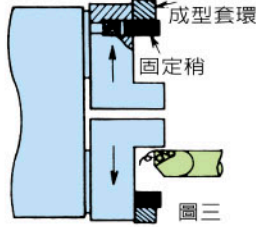
使用硬爪夾持時，接觸面不良會產生喇叭口狀，把握力不良會產生離心振動，影響精度，危險性高。(如圖五)



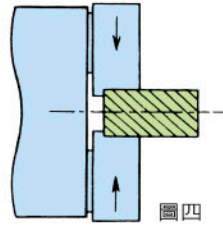
圖一



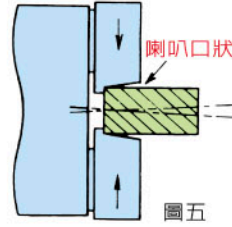
圖二



圖三



圖四

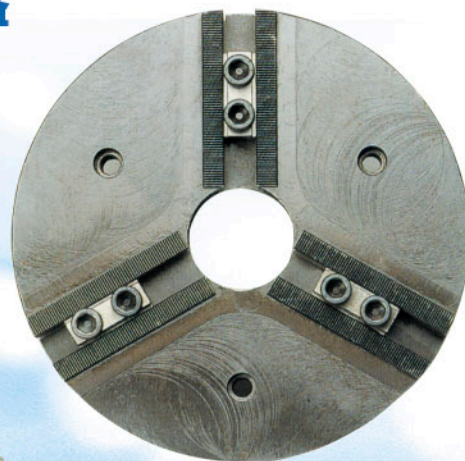
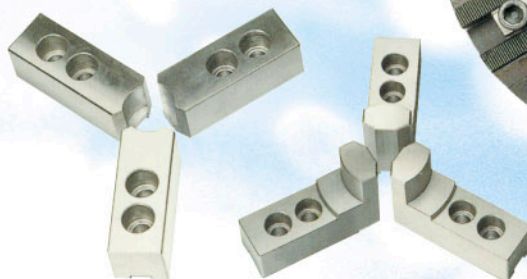


圖五

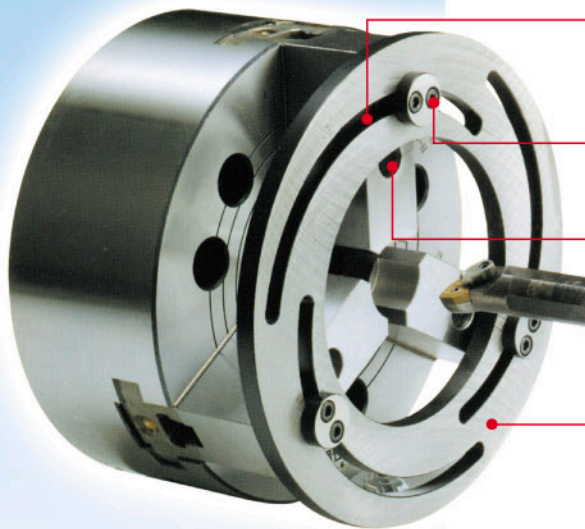
油壓生爪成型盤

特點

- 成型盤適用5", 6", 8", 10", 12", 15"六種尺寸油壓生爪。
- 油壓生爪預車成形，可先利用成型盤先在一般車床粗車預留1/mm，再到CNC車床精車，減少油壓夾頭及CNC車床斷續切削所產生振動損耗機器；可減少準備時間及提高工作效率。
- 工作物為四方形或異形，生爪固定於成型盤，放電加工成形及其他不規則夾具。可免用四爪或二爪減少換裝時間。



SOFT JAW FORMING RING



The size can be adjusted against the helical slot.

Bias pin can be rotated 180 degree for different size to extend a clamping range.

Don't need to drill new hole. The hole on the soft jaws can be used directly for bias pin.

The material, which is hardened and ground, can last for a long time.

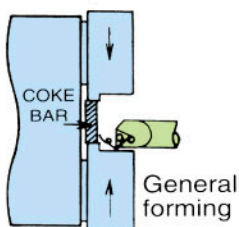
SPECIALITY

- Forming ring is available for 5", 6", 8", 10", 12" & 15" power chuck.
- The clamping force is increasing; the roundness and vibration caused by eccentricity can be improved. The cutting accuracy is much better because of no taper hole (as fig. 3) and less vibration.
- Both Clamping (as fig. 1) and extension (as fig. 2) are available. Meanwhile, the size adjusting is at will, the operation is easy and endurable.
- More improvement for used chuck to have high accuracy & strong clamping force.

SPECIFICATION

Because the forming ring is used for cutting, forming soft jaw by clamping, extending, through-hole, therefore increasing the accuracy of clamping work piece. (please refer to fig. 1,2&3)

As fig.4 the soft jaw is made without forming ring. So that, the cone is made and bad round-out, more vibration and less clamping force emerge.



General forming

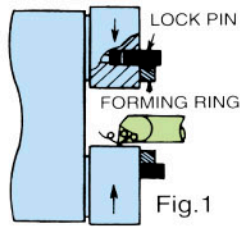


Fig.1

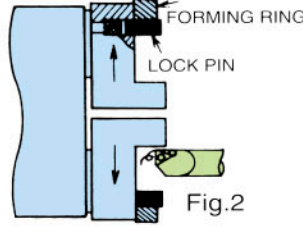


Fig.2

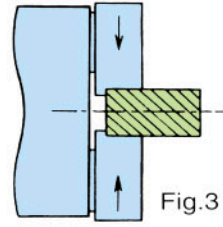


Fig.3

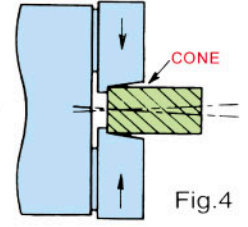


Fig.4

SOFT JAW FORMING DISC

SPECIALITY

- Forming disc is available for 5", 6", 8", 10", 12" & 15" soft jaw.
- It is installed on traditional lathe to pre-form the soft jaw firstly (keep 1mm for spare), then put on CNC lathe for precise cutting.
- The function of a forming disc is equal to a power chuck. For example, if the work piece is irregular or polygonal shape, the soft jaw may be formed on the disc directly, needn't use a special or 2-jaw or 4-jaw power chuck. Save much time thus increase efficiency.



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北川用

CH-05 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C

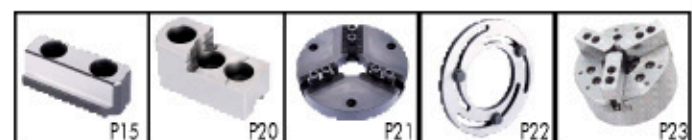
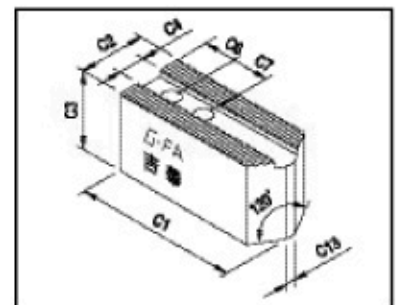
KITAGAWA

CH-05 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

CHUCK φ 135

型號 Model	C1	C2	C3	C4	C6	C7	C13	M	毛重 Gross Weight Kg/set
051430H	62	25	30	10	12	14	3	M8	0.9
051450H			50						1.5
051460H			60						1.7
051470H			70						2
051480H			80						2.3
051490H			90						2.6
0514100H			100						3
051830H	62	25	30	10	10	18	3	M8	0.9
051850H			50						1.5
051860H			60						1.7
051870H			70						2
051880H			80						2.3
051890H			90						2.6
0518100H			100						3
051930H	62	25	30	10	10	19	3	M8	0.9
051950H			50						1.5
051960H			60						1.7
051970H			70						2
051980H			80						2.3
051990H			90						2.6
0519100H			100						3

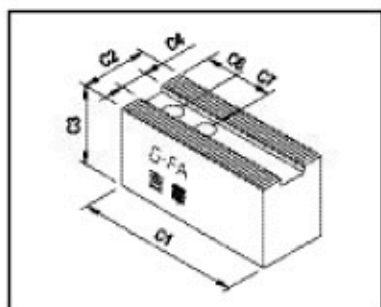
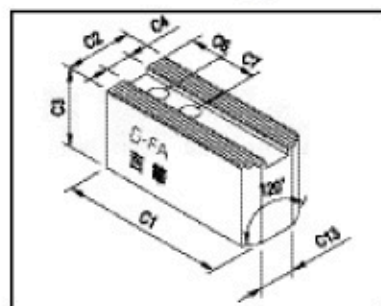


北川用

CH-06 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C



KITAGAWA

CH-06 SOFT JAWS FOR HYDRAULIC CHUCKS

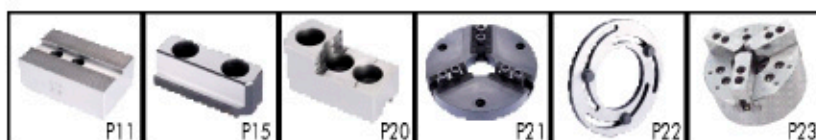
Serration Pitch 1.5mm × 60°

CHUCK φ 169

單位/UNIT:mm

型號 Model	C1	C2	C3	C4	C6	C7	C13	M	毛重 Gross Weight Kg/set
061236H	73	31	36	12	15	20	14	M10	1.5
061250H			50						2
061260H			60						2.6
061270H			70						3
061280H			80						3.4
061290H			90						3.8
0612100H			100						4.2

型號 Model	C1	C2	C3	C4	C6	C7	M	毛重 Gross Weight Kg/set
061236H	73	31	36	12	15	20	M10	1.7
061250H			50					2.2
061260H			60					2.8
061270H			70					3.2
061280H			80					3.6
061290H			90					4
0612100H			100					4.3
0612110H			110					4.7
0612120H			120					5.2
0612130H			130					5.6





北川用

CH-06 油壓生爪

鋸齒狀規格 1.5mm × 60°

材質：中碳鋼 S50C

KITAGAWA

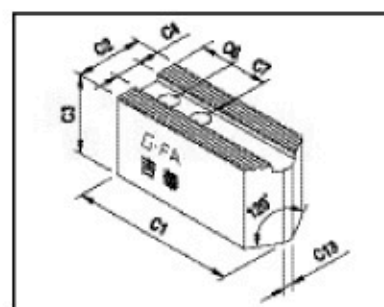
CH-06 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

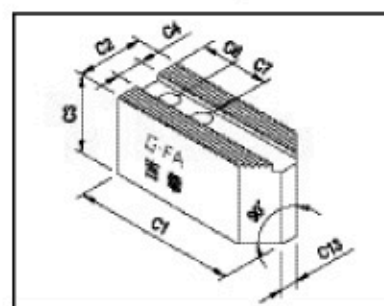
CHUCK φ 169

單位/UNIT:mm

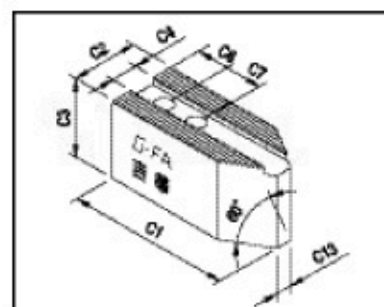
型號 Model	C1	C2	C3	C4	C6	C7	C13	M	毛重 Gross Weight Kg/set
061236H*120	73	31	36	12	10	20	3	M10	1.5
061250H*120			50						2
061260H*120			60						2.5
061270H*120			70						2.9
061280H*120			80						3.3
061290H*120			90						3.7
0612100H*120			100						4
0612120H*120			120						4.8



型號 Model	C1	C2	C3	C4	C6	C7	C13	M	毛重 Gross Weight Kg/set
061236H*90	73	31	36	12	10	20	3	M10	1.4
061250H*90			50						1.9
061260H*90			60						2.4
061270H*90			70						2.8
061280H*90			80						3.2
061290H*90			90						3.6
0612100H*90			100						3.9



型號 Model	C1	C2	C3	C4	C6	C7	C13	M	毛重 Gross Weight Kg/set
061236H*60	73	31	36	12	10	20	3	M10	1.3
061250H*60			50						1.8
061260H*60			60						2.2
061270H*60			70						2.5
061280H*60			80						2.9
061290H*60			90						3.2
0612100H*60			100						3.6

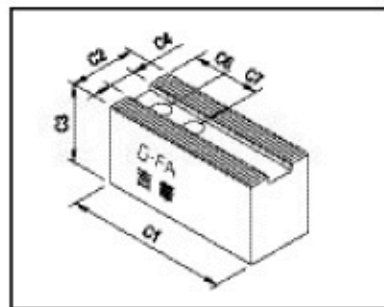
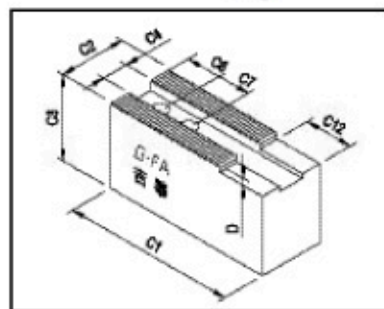
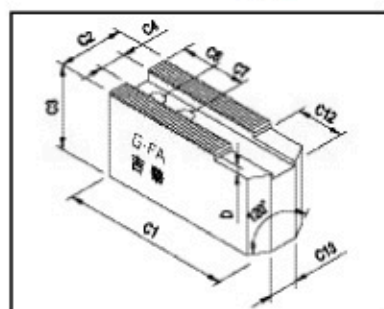


北川用

CH-08 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C



KITAGAWA

CH-08 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

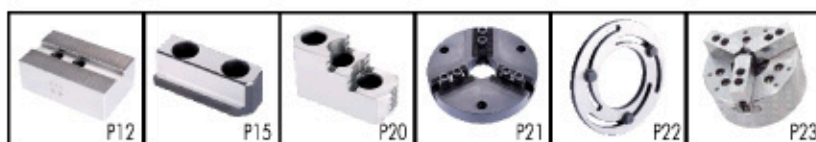
CHUCK φ 210

單位/UNIT:mm

型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
081438H	95	35	38	14	24	25	20.5	16	2	M12	2.5
081450H			50								3.2
081460H			60								3.8
081470H			70								4.4
081480H			80								5.1
081490H			90								5.8
0814100H			100								6.4

型號 Model	C1	C2	C3	C4	C6	C7	C12	D	M	毛重 Gross Weight Kg/set
081438H -	95	35	38	14	24	25	20.5	2	M12	2.6
081450H -			50							3.3
081460H -			60							3.9
081470H -			70							4.5
081480H -			80							5.3
081490H -			90							6
0814100H -			100							6.6

型號 Model	C1	C2	C3	C4	C6	C7	M	毛重 Gross Weight Kg/set
0814110H -	95	35	110	14	24	25	M12	7.2
0814120H -			120					7.9
0814150H -			150					9.8
0814180H -			180					11.7
0814200H -			200					13
0814250H -			250					16.6





北川用

CH-08 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C

KITAGAWA

CH-08 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

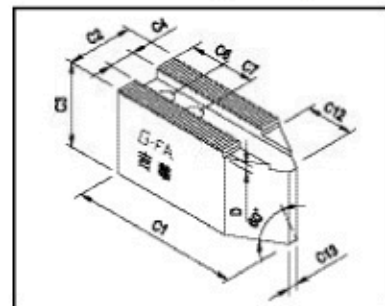
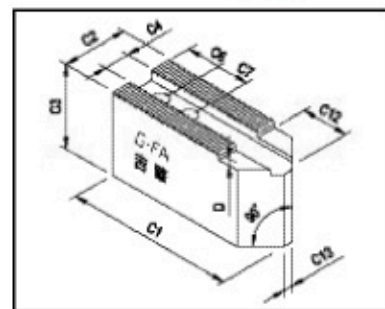
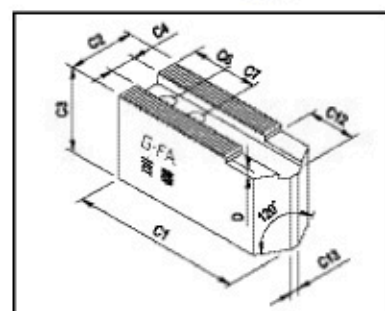
CHUCK φ 210

單位/UNIT:mm

型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
081438H*120	95	35	38	14	14	25	20.5	3	2	M12	2.5
081450H*120			50								3.2
081460H*120			60								3.8
081470H*120			70								4.4
081480H*120			80								5.1
081490H*120			90								5.8
0814100H*120			100								6.4

型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
081438H*90	95	35	38	14	14	25	20.5	5	2	M12	2.3
081450H*90			50								3
081460H*90			60								3.6
081470H*90			70								4.2
081480H*90			80								4.8
081490H*90			90								5.5
0814100H*90			100								6

型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
081438H*60	95	35	38	14	14	25	31	5	2	M12	2.1
081450H*60			50								2.8
081460H*60			60								3.4
081470H*60			70								4
081480H*60			80								4.5
081490H*60			90								5.2
0814100H*60			100								5.6

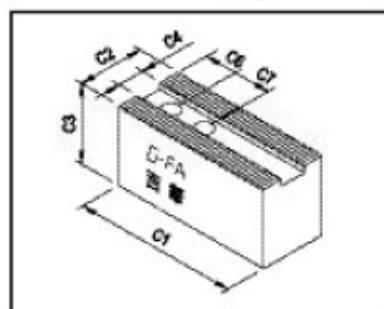
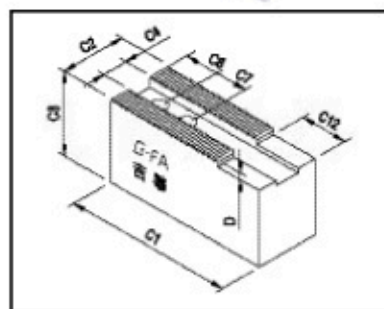
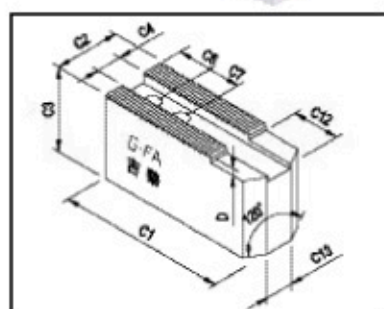


北川用

CH-10 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C



KITAGAWA

CH-10 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

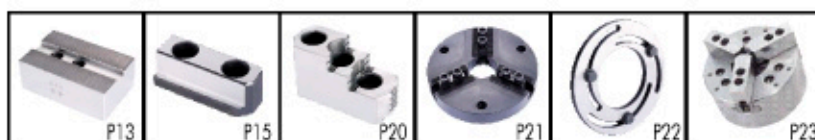
CHUCK φ 254

單位/UNIT:mm

型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
101642H	110	40	42	16	30	30	20.5	18	2	M12	3.7
101650H			50								4.2
101660H			60								5.3
101670H			70								6.1
101680H			80								7.1
101690H			90								8
1016100H			100								8.8

型號 Model	C1	C2	C3	C4	C6	C7	C12	D	M	毛重 Gross Weight Kg/set
101642H -	110	40	42	16	30	30	20.5	2	M12	3.7
101650H -			50							4.2
101660H -			60							5.3
101670H -			70							6.1
101680H -			80							7.1
101690H -			90							8.2
1016100H -			100							8.9

型號 Model	C1	C2	C3	C4	C6	C7	M	毛重 Gross Weight Kg/set
1016110H -	110	40	110	16	30	30	M12	9.9
1016120H -			120					10.9
1016150H -			150					13.6
1016180H -			180					16.4
1016200H -			200					18.2
1016250H -			250					22.8





北川用

CH-10 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C

KITAGAWA

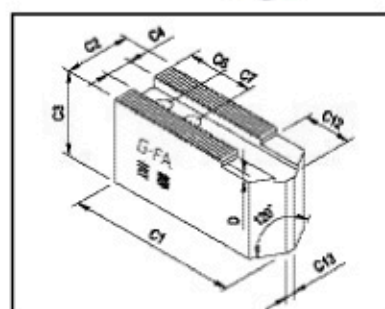
CH-10 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

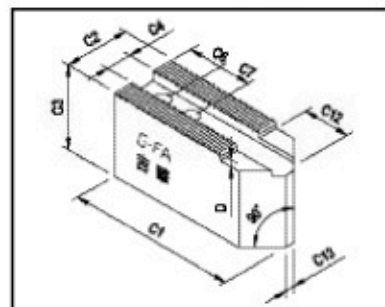
CHUCK φ 254

單位/UNIT:mm

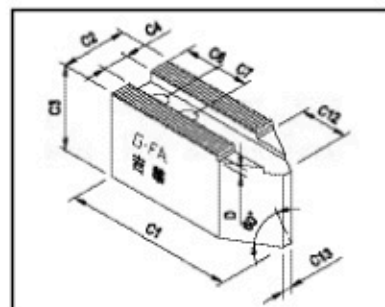
型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
101642H*120	110	40	42	16	20	30	20.5	3	2	M12	3.7
101650H*120			50								4.3
101660H*120			60								5.1
101670H*120			70								6.1
101680H*120			80								6.9
101690H*120			90								7.7
1016100H*120			100								8.5



型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
101642H*90	110	40	42	16	20	30	20.5	5	2	M12	3.5
101650H*90			50								4.1
101660H*90			60								4.9
101670H*90			70								5.9
101680H*90			80								6.7
101690H*90			90								7.5
1016100H*90			100								8.2



型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
101642H*60	110	40	42	16	20	30	35.5	5	2	M12	3.4
101650H*60			50								4
101660H*60			60								4.8
101670H*60			70								5.8
101680H*60			80								6.6
101690H*60			90								7.4
1016100H*60			100								8.1

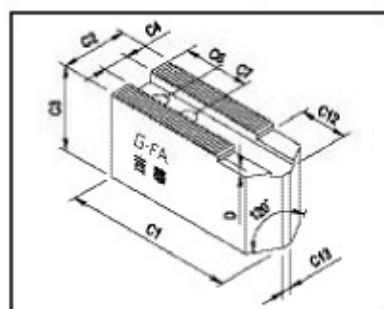
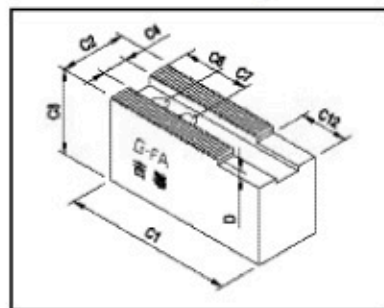
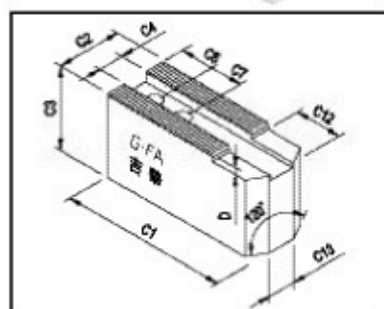


北川用

CH-12 油壓生爪 (中實夾頭18溝)

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C



KITAGAWA

CH-12 SOLID POWER CHUCKS (18R)

Serration Pitch 1.5mm × 60°

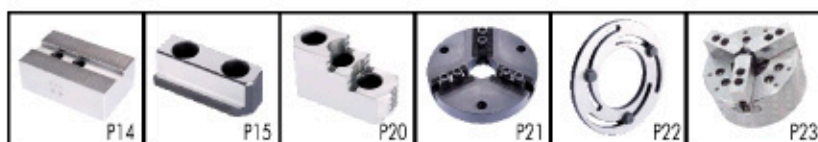
CHUCK φ 304

單位/UNIT:mm

型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
121850H	129	50	50	18	39	30	20	22	2	M14	6.5
121860H			60								7.8
121870H			70								9.1
121880H			80								10.5
1218100H			100								12.9

型號 Model	C1	C2	C3	C4	C6	C7	C12	D	M	毛重 Gross Weight Kg/set
121850H -	129	50	50	18	39	30	20	2	M14	6.1
121860H -			60							8.1
121870H -			70							9.6
121880H -			80							10.7
1218100H -			100							13.5

型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
121850H*120	129	50	50	18	16	30	20	5	2	M14	6.3
121860H*120			60								7.5
121870H*120			70								8.8
121880H*120			80								10.1





北川用

CH-12 油壓生爪(中空夾頭21溝)

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C

KITAGAWA

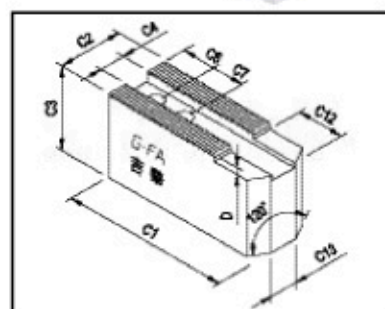
CH-12 HIGH SPEED HOLLOW POWER CHUCKS (21R)

Serration Pitch 1.5mm × 60°

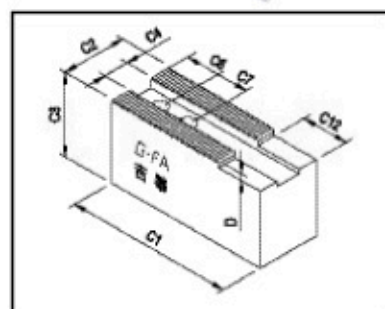
CHUCK φ 304

單位/UNIT:mm

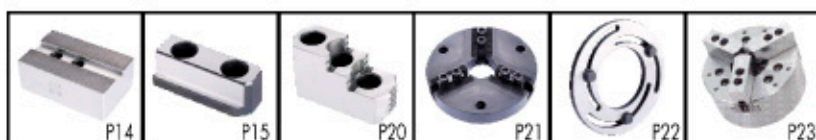
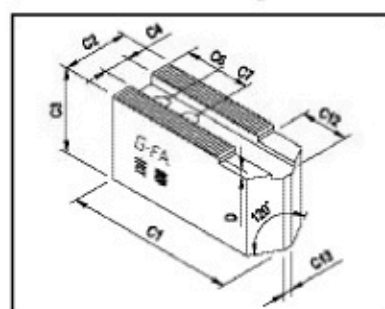
型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
122150H	129	50	50	21	39	30	20	22	2	M16	6.2
122160H			60								7.5
122170H			70								8.7
122180H			80								10
122190H			90								11.2
1221100H			100								12.5



型號 Model	C1	C2	C3	C4	C6	C7	C12	D	M	毛重 Gross Weight Kg/set
122150H -	129	50	50	21	39	30	20	2	M16	6.3
122180H -			80							10.1
122190H -			90							11.5
1221100H -			100							12.8



型號 Model	C1	C2	C3	C4	C6	C7	C12	C13	D	M	毛重 Gross Weight Kg/set
122150H*120	129	50	50	21	18	30	20	5	2	M16	6
122160H*120			60								7.2
122170H*120			70								8.4
122180H*120			80								9.5

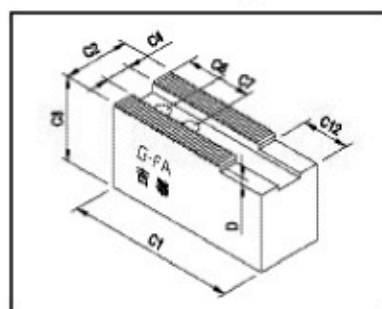


北川用

CH-15 CH-18 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C



KITAGAWA

CH-15 CH-18 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

CHUCK φ 381

單位/UNIT:mm

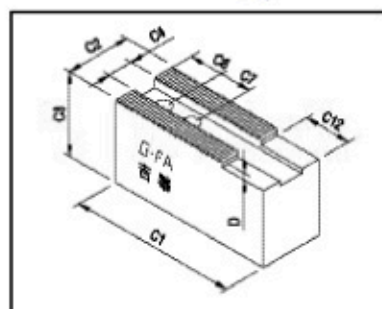
規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	C12	D	M	毛重 Gross Weight Kg/set
CH-15	152262H	165	62	62	22	37	43	18.5	2	M20	12.8
	1522100H			100							20
	1522120H			120							25.1
	1522150H			150							31.1
	152262HK	165	62	62	22	21	43	18.5	2	M20	12.8
	1525.562H	165	62	62	25.5	37	43	18.5	2	M20	12.6
	1525.5100H			100							19.8
	1525.5120H			120							24.8
	1525.5150H			150							28.5
CH-18	1825.560H	135	50	60	25.5	26	43	-	2	M20	8.3
	1825.5100H			100							12.4

北川用

CH-21 CH-24 油壓生爪

鋸齒狀規格 3mm × 60°

Ma. 材質：中碳鋼 S50C



KITAGAWA

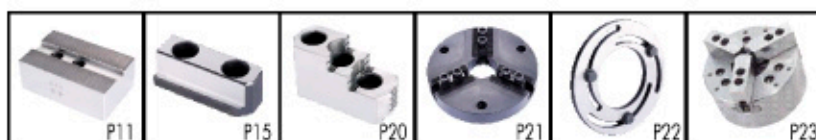
CH-21 CH-24 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 3mm × 60°

CHUCK φ 450 φ 530

單位/UNIT:mm

規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	C12	D	M	毛重 Gross Weight Kg/set
CH-21	212570H	180	62	70	25	40	60	50	3	M20	14.7
	2125100H			100							22.9
CH-24	242570H	180	62	70	25	40	60	50	3	M20	14.7
	2425100H			100							22.9





北川用

CH-06 特殊 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C

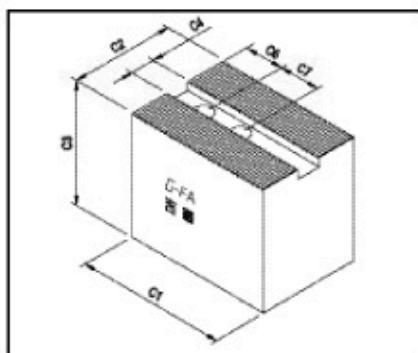
KITAGAWA

CH-06 SPECIAL SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

CHUCK φ 169

單位/UNIT:mm



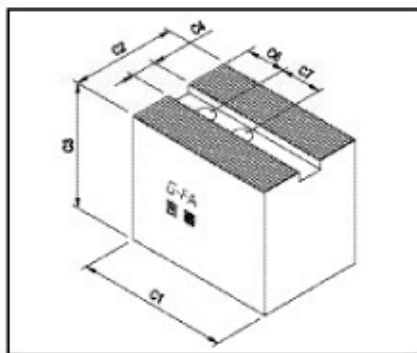
規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	M	毛重 Gross Weight Kg/pcs
CH-06	0673L50W50H	73	50	50	12	15	20	M10	1.2
	0673L50W60H	73	50	60					1.5
	0673L50W70H	73	50	70					1.8
	0673L50W80H	73	50	80					2
	0673L60W30H	73	60	30					0.9
	0673L60W50H	73	60	50					1.5
	0673L60W60H	73	60	60					1.8
	0673L60W80H	73	60	80					2.5
	0673L70W50H	73	70	50					1.8
	0673L70W90H	73	70	90					3.3
	0673L80W50H	73	80	50					2
	0673L80W80H	73	80	80					3.3
	0680L31W36H	80	31	36					0.6
	06110L31W60H	110	31	60					1.4
	06150L31W50H	150	31	50					1.6

北川用

CH-08 特殊 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C



KITAGAWA

CH-08 SPECIAL SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

CHUCK φ 210

單位/UNIT:mm

規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	M	毛重 Gross Weight Kg/pcs
CH-08	0880L50W35H	80	50	35	14	24	25	M12	1.3
	0895L50W50H	95	50	50					1.6
	0895L50W60H	95	50	60					1.9
	0895L50W70H	95	50	70					2.3
	0895L50W80H	95	50	80					2.6
	0895L50W100H	95	50	100					3.3
	0895L50W120H	95	50	120					4
	0895L50W150H	95	50	150					5
	0895L60W35H	95	60	35					1.5
	0895L60W50H	95	60	50					2.1
	0895L60W60H	95	60	60					2.5
	0895L60W100H	95	60	100					4.1
	0895L70W35H	95	70	35					1.7
	0895L70W50H	95	70	50					2.3
	0895L80W35H	95	80	35					1.9
	0895L80W50H	95	80	50					2.9
	0895L100W35H	95	100	35					2.2
	0895L100W50H	95	100	50					3.6
	08120L35W50H	120	35	50					1.5
	08120L35W60H	120	35	60					1.9
	08130L35W60H	130	35	60					2
	08150L35W50H	150	35	50					2
	08180L35W60H	180	35	60					2.8
	08200L35W50H	200	35	50					2.6
	08200L35W70H	200	35	70					3.7

特殊尺寸填寫表 P32
SPECIAL SIZE



北川用

CH-10 特殊 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C

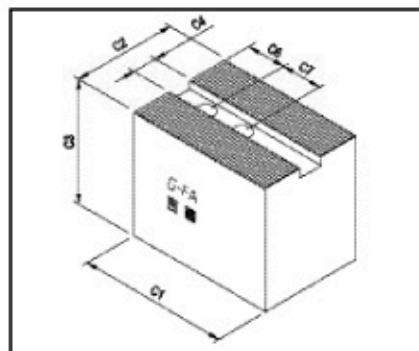
KITAGAWA

CH-10 SPECIAL SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

CHUCK φ 254

單位/UNIT:mm



規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	M	毛重 Gross Weight Kg/pcs
CH-10	10110L50W50H	110	50	50	16	30	30	M12	1.9
	10110L50W60H	110	50	60					2.3
	10110L50W70H	110	50	70					2.7
	10110L50W80H	110	50	80					3.1
	10110L50W100H	110	50	100					3.8
	10110L60W50H	110	60	50					2.4
	10110L60W70H	110	60	70					3.4
	10110L60W80H	110	60	80					3.9
	10110L60W100H	110	60	100					4.7
	10110L80W50H	110	80	50					3.3
	10110L100W40H	110	100	40					3.2
	10110L100W50H	110	100	50					4.1
	10150L40W46H	150	40	46					2
	10150L40W60H	150	40	60					2.6
	10150L40W80H	150	40	80					3.5
	10160L40W60H	160	40	60					2.8
	10160L40W80H	160	40	80					3.8
	10180L50W60H	180	50	60					4
	10200L40W60H	200	40	60					3.5
	10230L40W60H	230	40	60					4.1

北川用

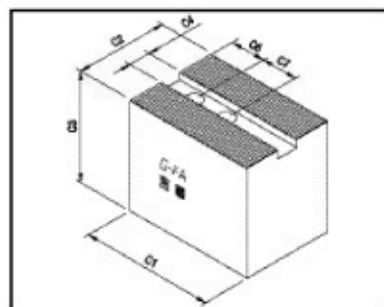
CH-12 (中空夾頭21溝)

CH-15 (中空夾頭22溝)

特殊 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C



KITAGAWA

CH-12 HIGH SPEED HOLLOW POWER CHUCKS (21R)

CH-15 HIGH SPEED HOLLOW POWER CHUCKS (22R)

SPECIAL SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

CHUCK φ 304 φ 381

單位/UNIT:mm

規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	M	毛重 Gross Weight Kg/pcs
CH-12	1221150L50W60H	150	50	60	21	39	30	M16	3
	1221180L50W60H	180	50	60					3.7
	1221200L50W60H	200	50	60					4.2
	1221250L50W60H	250	50	60					5.3
CH-15	1522200L62W100H	200	62	100	22	37	43	M20	8.6
	1522200L62W120H	200	62	120					10.4
	1522250L62W60H	250	62	60					6.3

北川用

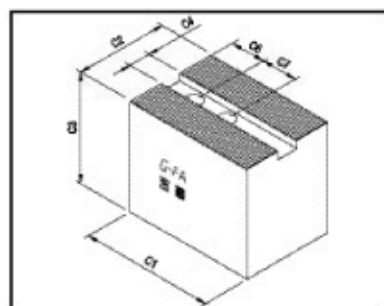
CH-12 (中實夾頭18溝)

CH-15 (中實夾頭25.5溝)

特殊 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C



KITAGAWA

CH-12 SOLID POWER CHUCKS (18R)

CH-15 SOLID POWER CHUCKS (25.5R)

SPECIAL SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

CHUCK φ 304 φ 381

單位/UNIT:mm

規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	M	毛重 Gross Weight Kg/pcs
CH-12	12150L50W60H	150	50	60	18	39	30	M14	3.1
	12180L50W60H	180	50	60					3.8
	12150L50W80H	180	50	80					5.2
	12250L50W60H	250	50	60					5.4
CH-15	15180L62W75H	180	62	75	25.5	37	43	M20	5.5
	15200L62W120H	200	62	120					10.7

特殊尺寸填寫表 P32
SPECIAL SIZE



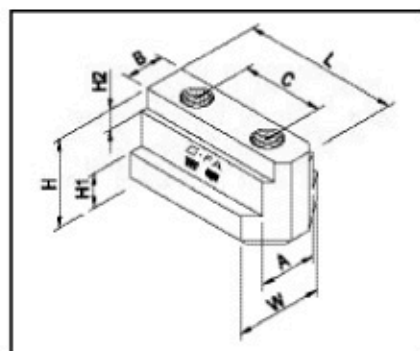
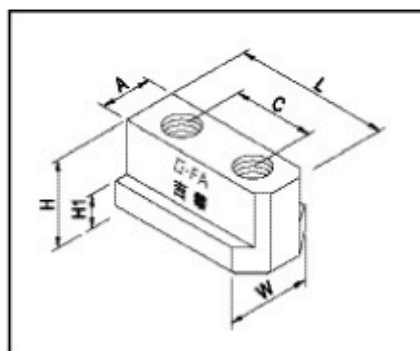
T型塊

北川標準
(中空夾頭專用)

TEENUT SET

KITAGAWA SOFT JAW
HOLLOW POWER CHUCKS

單位/UNIT:mm

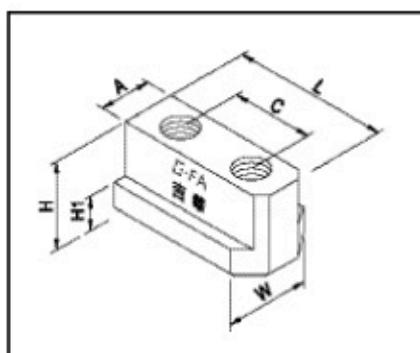


規格 Size	型號 Model	A	B	C	L	W	H	H1	H2	M	毛重 Gross Weight Kg/set	參考圖 Reference Drawing
5"	TA05B205	10	-	14	26	15	15	5.4	-	M8	0.10	(一)
6"	TA06B206	12	-	20	36.5	17.5	18.5	7.5	-	M10	0.15	
8"	TA08B208	14	-	25	48	20.5	20	8.5	-	M12	0.28	
10"	TA10B210	16	-	30	51	22.5	21.5	8.5	-	M12	0.36	
12"	TA12B212	21	-	30	55	29.3	28	11	-	M16	0.6	
15"	TA15B215	24	22	43	80	33.5	46	16	8	M20	1.0	(二)

北川標準
(中實夾頭專用)

KITAGAWA SOFT JAW TEENUT SET
SOLID POWER CHUCKS

單位/UNIT:mm

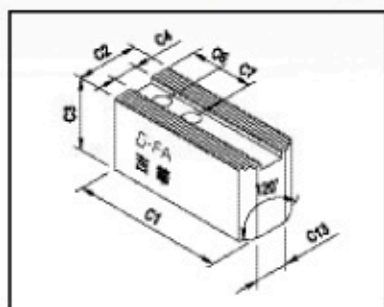


規格 Size	型號 Model	A	C	L	W	H	H1	M	毛重 Gross Weight Kg/set
6"	TA06B06	12	20	36.5	17.5	22.5	7.5	M10	0.19
8"	TA08B08	14	25	47	20.5	22.8	8.5	M12	0.33
10"	TA10B10	16	30	51	22.5	25.5	8.5	M12	0.48
12"	TA12B12	18	30	55	27	33.5	13.5	M14	0.70
15"	TA15B15	25.5	43	80	33.5	39	16	M20	1.5

特殊尺寸填寫表 P32
SPECIAL SIZE

豐和用

HOWA



HO-05 HO-06 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C

HO-05 HO-06 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

CHUCK φ 135 φ 168

單位/UNIT:mm

規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	C13	M	毛重 Gross Weight Kg/set
HO-05	051630H	62	25	30	11	10	16	3	M8	0.9
	051650H			50						1.5
HO-06	061236H	73	31	36	12	15	20	14	M10	1.5
	061250H			50						2

HO-08 HO-10 HO-12

油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C

HO-08 HO-10 HO-12

SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 1.5mm × 60°

CHUCK φ 210 φ 254 φ 304

單位/UNIT:mm

規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	C13	M	毛重 Gross Weight Kg/set
HO-08	081638H	95	35	38	16	24	25	16	M12	2.4
	081650H			50						3.2
HO-10	101842H	110	40	42	18	30	30	18	M14	3.7
	101850H			50						4
HO-12	122150HF	129	50	50	21	39	35	22	M16	6.2
	122180HF			80						10

HO-15 油壓生爪

鋸齒狀規格 3.0mm × 60°

Ma. 材質：中碳鋼 S50C

HO-15 SOFT JAWS FOR HYDRAULIC CHUCKS

Serration Pitch 3.0mm × 60°

CHUCK φ 381

單位/UNIT:mm

規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	C13	M	毛重 Gross Weight Kg/set
HO-15	152660H	135	50	60	26	37	42	-	M20	9.5
	1526100H			100						17.2



豐和用

HOWA

豐和標準夾頭 T 型塊共用表

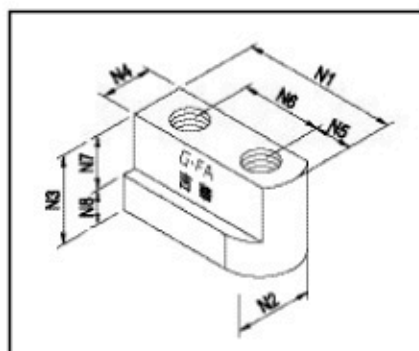
HOWA COMPATIBILITY OF JAW NUT

夾頭 型號 Chunk number		共用夾頭型號 Compatible Chunk number								
HO1MA	4				HO24M5					
	6	(HO7MA6)	HO22M6	HO23M8	HO24M6	(HO27M6)	HO34M6	HO37M6	HO5M6	HO32M8
	8	(HO7MA8)								
	15	HO1MA18~24								
HO5M	8	(HO7MA10)	HO22M8	HO23M10	HO24M8	(HO27M8)	HO34M8	HO37M8	HO32M10	
	10	(HO7MA12)	HO22M10	HO23M12	HO24M10	(HO27M10)	HO34M10	HO37M10	HO32M12	
	12	(HO7MA15)	HO22M12	HO23M15	HO24M12					
HO27M	4					HO27M5			HO32M6	
HO37M	12					(HO27M12)	HO34M12			

豐和標準 T 型塊

HOWA SOFT JAW TEENUT SET

單位/UNIT:mm



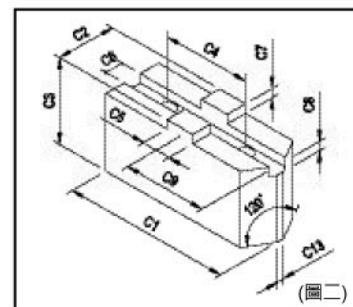
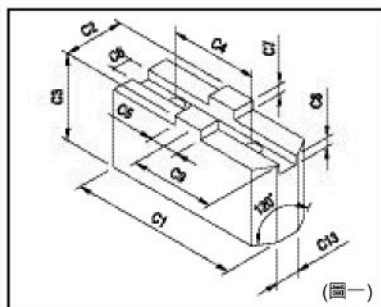
夾頭 型號 Chunk number		N1	N2	N3	N4	N5	N6	N7	N8	M	毛重 Gross Weight Kg/set
HO1MA	4	25.5	15	16.5	10	5.5	14	11	5.5	M8	0.09
	5	30.5	15	16.5	10	5.5	19	11	5.5	M8	0.1
	6	37	17	21.5	12	8	20	14	7.5	M10	0.18
	8	46	20	23.5	14	10	25	15	8.5	M12	0.29
	10	51	23	23.5	16	10	30	15	8.5	M12	0.42
	12	53	28	33	18	11	30	19	14	M14	0.79
	15	82	34	40	26	16	50	23	17	M20	1.68
HO5M	8	45	22	26.5	16	10	25	18	8.5	M12	0.36
	10	52	24	27.5	18	11	30	18	9.5	M14	0.48
	12	65	27	29	21	12	40	18.5	10.5	M16	0.76
HO27M	4・5	29	16	16.5	11	6.5	16	10	6.5	M8	0.11
HO37M	12	60	27	29	21	12	35	18.5	10.5	M16	0.73
HO27M	15	74	34	40	26	16	42	23	17	M20	1.60

強力生爪

TONGUE & GROOVED SOFT JAW

Ma. 材質：中碳鋼 S50C

單位/UNIT:mm



規格 Size	型號 Model	C1	C2	C3	C4	C5	C6	C7	C8	C9	C13	M	毛重 Gross Weight Kg/set	參考圖 Reference Drawing
SK-06 (M8)	SK0637-8	73	26	37	38.1	12.68	7.94	3	3.5	36.5	5	M8	1.3	(一)
	SK0650			50									1.8	
	SK0660			60									2.2	
	SK0680			80									3.1	
SK-06 (M10)	SK0637-10	73	26	37	38.1	12.68	7.94	3	3.5	36.5	5	M10	1.2	
SK-07 (SK-08)	SK0748	95	31	48	44.45	12.68	7.94	3	3.5	47.5	10	M10	2.7	(一)
	SK0760			60									3.4	
	SK0770			70									4	
	SK0748*120	95	31	48	44.45	12.68	7.94	3	3.5	57.5	3	M10	2.6	(二)
	SK0760*120			60									3.3	
	SK0770*120			70									3.9	
SK-09 (SK-10)	SK0950	110	37	50	54	19.03	12.7	3	3.5	55	14	M12	4	(一)
	SK0960			60									5.1	
	SK0970			70									5.4	
	SK0950*120	110	37	50	54	19.03	12.7	3	3.5	65	3	M12	3.8	(二)
	SK0960*120			60									4.9	
	SK0970*120			70									5.2	
SK-12	SK1250	125	40	50	63.5	19.03	12.7	3	3.5	62.5	17	M12	5	(一)
	SK1260			60									6	
	SK1270			70									7	
	SK1250*120	125	40	50	63.5	19.03	12.7	3	5.5	72.5	3	M12	4.9	(二)
	SK1260*120			60									5.9	
SK-16 (SK-15)	SK1670	160	50	70	76.2	19.03	12.7	6	5.5	80	50	M16	10.7	(一)
	SK16100			100									15.3	
SK-20	SK2070	160	50	70	76.2	19.03	12.7	6	5.5	80	50	M20	10.5	(一)





強力生爪

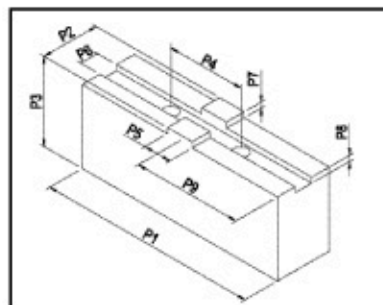
特殊

Ma. 材質：中碳鋼 S50C

TONGUE & GROOVED SOFT JAW

SPECIAL

單位/UNIT:mm



規格 Size	型號 Model	C1	C2	C3	C4	C5	C6	C7	C9	M	毛重 Gross Weight Kg/set
SK-06	SK06110L31W32	110	31	32	38.1	12.68	7.94	3	73.5	M8	0.6
	SK06110L31W60	110	31	60							1.3
SK-07 (SK-08)	SK07130L40W50	130	40	50	44.45	12.68	7.94	3	82.5	M10	1.6
	SK07150L40W50	150	40	50					102.5		2
	SK07150L40W60	150	40	60					102.5		2.5
SK-09 (SK-10)	SK09150L40W50	150	40	50	54	19.03	12.7	3	95	M12	2.1
	SK09150L40W60	150	40	60					95		2.5
	SK09180L40W60	180	40	60					125		3
	SK09180L40W60	180	40	60					125		3.5
	SK09200L40W60	200	40	60					145		3.3
	SK09230L40W70	230	40	70					175		4.6
SK-12	SK12150L40W50	150	40	50	63.5	19.03	12.7	3	87.5	M12	2
	SK12150L40W60	150	40	60					87.5		2.5
	SK12180L40W60	180	40	60					117.5		3
	SK12200L40W60	200	40	60					137.5		3.3
	SK12220L50W75	220	50	75					157.5		5.8
	SK12280L50W60	280	50	60					217.5		6
	SK12290L50W70	290	50	70					227.5		7.3
SK-16 (SK-15)	SK16250L50W70	250	50	70	76.2	19.03	12.7	6	170	M16	5.9
	SK16300L50W70	300	50	70					220		7.5

特殊尺寸填寫表 P32
SPECIAL SIZE

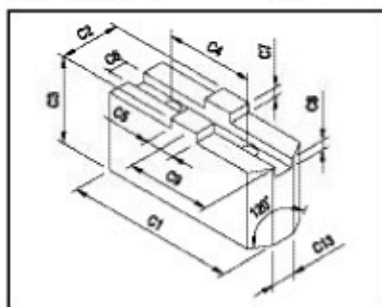
* 以上尺寸僅供參考 *

強力生爪

TONGUE & GROOVED SOFT JAW

■材質：1015 1 1/4 S 光四角

單位/UNIT:mm



規格 Size	型號 Model	C1	C2	C3	C4	C5	C6	C7	C8	C9	C13	M	毛重 Gross Weight Kg/set
SK-06	SK0611/4-8	73	31	32	38.1	12.68	7.94	3	3.5	36.5	5	M8	1.4
	SK0611/4-10											M10	1.3
SK-07	SK0711/4	95	31	32	44.45	12.68	7.94	3	3.5	47.5	10	M10	1.5
SK-09	SK0911/4	110	31	32	54	19.03	12.7	3	3.5	55	14	M12	1.8

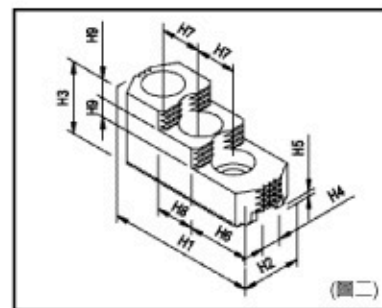
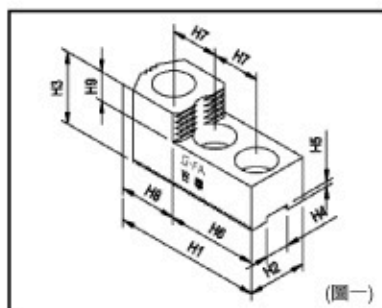
油壓硬爪

HARD JAWS FOR HYDRAULIC CHUCK

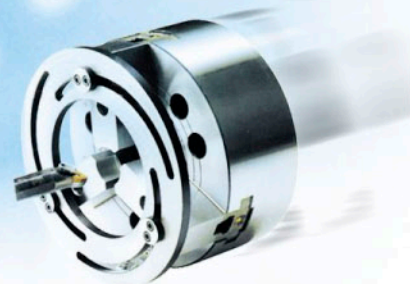
鋸齒狀規格 1.5mm × 60°

Serration Pitch 1.5mm × 60°

單位/UNIT:mm



規格 Size	型號 Model	H1	H2	H3	H4	H5	H6	H7	H8	H9	M	毛重 Gross Weight Kg/set	參考圖 Reference Drawing
5"	CHJ05	53	23	28	10	4	29	14	24	10	M8	0.4	(一)
6"	CHJ06	67	31	36	12	5	39	20	28	12	M10	0.95	
8"	CHJ08	87	35	51	14	5	29.5	25	18	12	M12	1.9	(二)
10"	CHJ10	101	40	54	16	5	45.5	30	18	13	M12	2.8	
12"	CHJ12	108	50	67	21(18)	4(5)	49	30	20	16	M16	3.5	
15"	CHJ15	143	62	86	22(25.5)	8(5)	55	43	38	20	M20	9.5	



成型盤

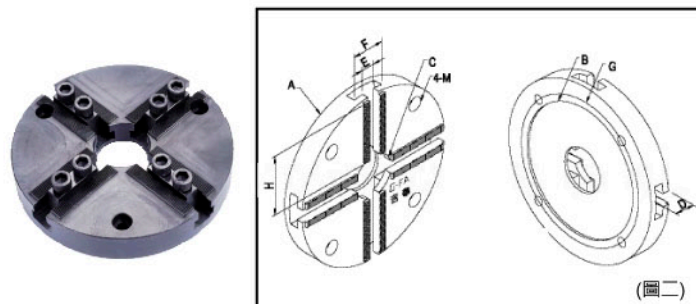
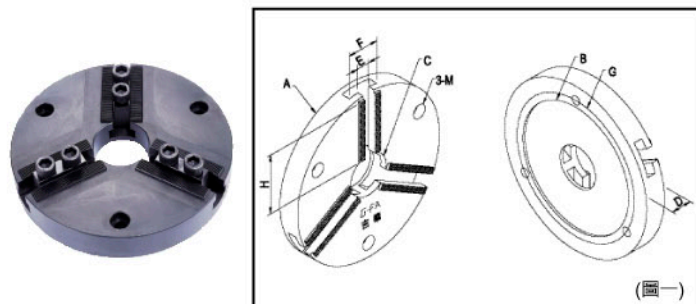
鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C

FORMING DISC

Serration Pitch 1.5mm × 60°

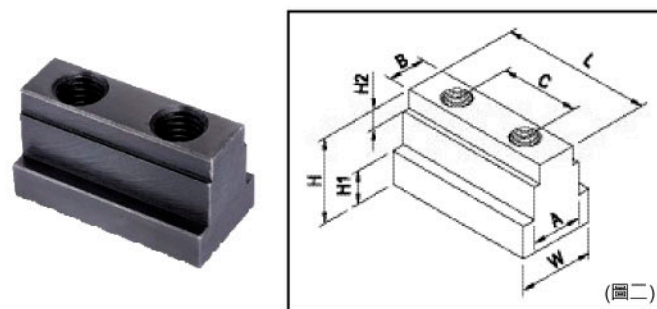
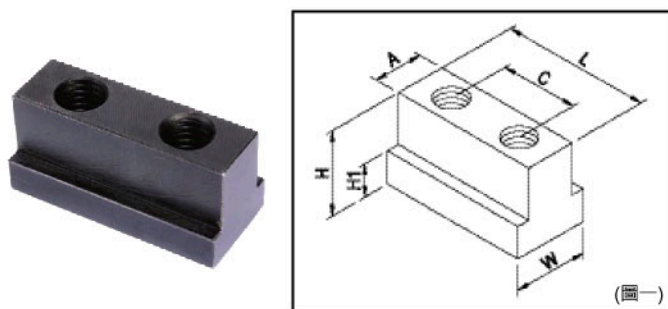
單位/UNIT:mm



型號 Model	A	B	C	D	E	F	G	H	M	毛重 Gross Weight Kg/set	參考圖 Reference Drawing
FP06	φ208	φ155	φ52	37	16	25.5	φ172	73	M10	7.7	(一)
FP08	φ208	φ155	φ52	37	16	25.5	φ172	73	M10	7.8	
FP10	φ254	φ190	φ52	37	18	28.5	φ210	94	M12	11.4	
FP12	φ310	φ260	φ70	37	21	32	φ285	113	M12	23.7	
FP15	φ378	φ260	φ80	46	22	36	φ285	137	M12	33	
FP08-4	φ208	φ155	φ52	37	16	25.5	φ172	73	M10	6.9	(二)
FP10-4	φ254	φ190	φ52	37	18	28.8	φ210	94	M12	11	

成形盤專用 T 型螺母

Ma. 材質：中碳鋼 S50C

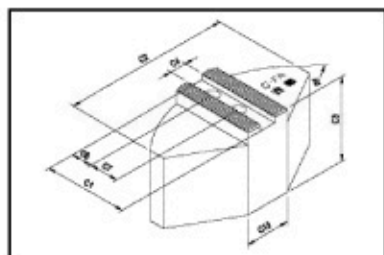


規格 Size	型號 Model	A	B	C	L	W	H	H1	H2	M	參考圖 Reference Drawing
6"-12R	FP06-12R	16	12	20	48	24	27	10.5	6	M10 - 25L	(二)
8"-14R	FP08-14R	16	14	25	48	24	27	10.5	6	M12 - 30L	
8"-16R	FP08-16R	16	-	25	48	24	27	10.5	-	M12 - 30L	(一)
10"-16R	FP10-16R	18	16	30	52	26	27	9.5	6	M12 - 30L	(二)
10"-18R	FP10-18R	18	-	30	52	26	27	9.5	-	M14 - 30L	(一)
12"-18R	FP12-18R	18	-	30	52	26	27	9.5	-	M14 - 35L	
12"-18R*	FP12-18R*	21	18	30	55	29	27	9.5	6	M14 - 35L	(二)
12"-21R	FP12-21R	21	-	30	55	29	27	9.5	-	M16 - 35L	(一)
15"-22R	FP15-22R	22	-	43	80	33.5	33	12	-	M20 - 45L	

扇型 油壓生爪

鋸齒狀規格 1.5mm × 60°

Ma. 材質：中碳鋼 S50C



WRAPPED SOFT JAWS

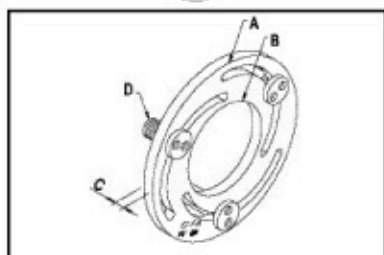
Serration Pitch 1.5mm × 60°

單位/UNIT:mm

規格 Size	型號 Model	C1	C2	C3	C4	C6	C7	C13	M	φ	毛重 Gross Weight Kg/set
CH-05	05115W30H	62	115	30	10	12	14	25	M8	φ125	3.2
CH-06	06130W44H	73	130	44	12	15	20	31	M10	φ165	6.1
	06130W50H			50							6.7
	06130W62H			62							8.4
CH-08	08180W44H	95	180	44	14	24	25	35	M12	φ210	12.4
	08180W54H			54							15.5
	08180W64H			64							18.5
CH-10	10210W54H	110	210	54	16	30	30	40	M12	φ254	22.6
	10210W64H			64							31.5

成形圈 三爪

Ma. 材質：白十字 SCM21



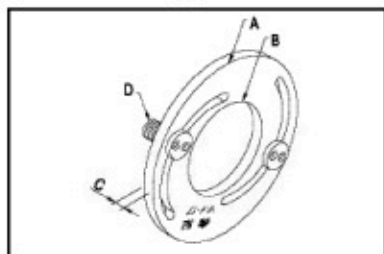
FORMING RING (3-JAW)

單位/UNIT:mm

規格 Size	A	B	C	D	毛重 Gross Weight Kg/set
FM05	φ135	φ75	10	φ13	0.8
FM06	φ167	φ85	10	φ16.5	3.1
FM08	φ217	φ115	12	φ18.5	2.4
FM10	φ257	φ150	12	φ18.5	3
FM12-18	φ310	φ190	15	φ22.5	5.1
FM12-21	φ310	φ190	15	φ25.5	5.2
FM15	φ380	φ230	19	φ31.5	9.6

成形圈 二爪

Ma. 材質：白十字 SCM21



FORMING RING (2-JAW)

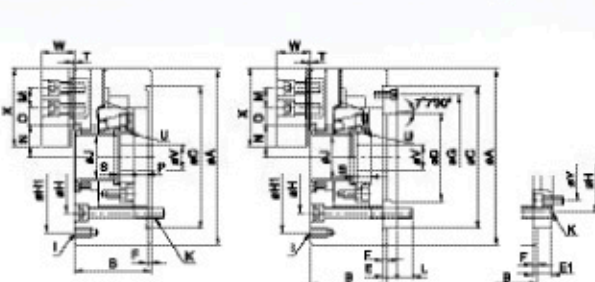
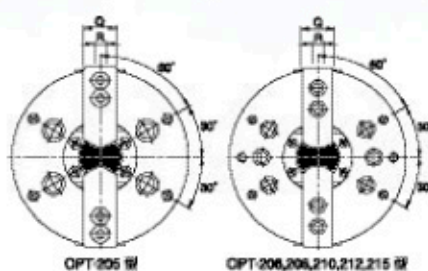
單位/UNIT:mm

規格 Size	A	B	C	D	毛重 Gross Weight Kg/set
FM08-2	φ217	φ115	12	φ18.5	2.8
FM10-2	φ257	φ150	12	φ18.5	3.7



二爪高速中空油壓夾頭

2-JAW HIGH SPEED HOLLOW POWER CHUCKS



單位/UNIT:mm

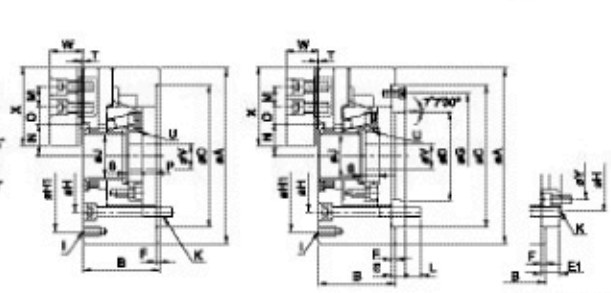
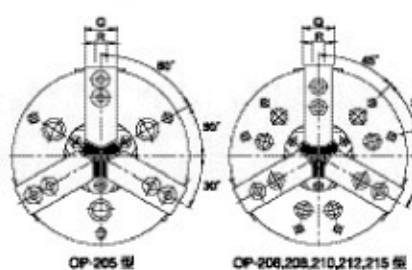
型式/規格 MODEL / SPEC.	主軸鼻端直徑 Nose Of Spindle	A	B	C (mm)	D	E	E1	F	G	H	H1	I	J	K	L
OPT-205	A-4	135	80	110	83.513	20	-	4	98	82.8	PCDa118	4-M8x1.25P	33	4-M10x1.5P	15
OPT-206	A-5	169	81	140	82.563	15	-	5	116	104.8	PCDa145	6-M10x1.5P	45	6-M10x1.5P	16
OPT-208	A-6(A-5)	210	91	170	105.375	17	23	5	150	133.4	PCDa180	6-M10x1.5P	52	6-M12x1.75P	18
OPT-210	A-8(A-6)	254	100	220	139.719	18	28	5	190	171.4	PCDa225	6-M12x1.75P	75	6-M16x2P	19
OPT-212	A-8	304	110	220	139.719	18	-	6	190	171.4	PCDa250	6-M12x1.75P	91	6-M16x2P	25
OPT-215	A-11(A-8)	361	133	300	195.669	22	33	6	260	235	PCDa324	6-M12x1.75P	117.5	6-M20x2.5P	26

型式/規格 MODEL / SPEC.	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y	通孔直徑 Thru-Hole [Diameter] (mm)	往復行程 Puncher Stroke (mm)
OPT-205	14	26.5	23.8	19	6	1	-9	25	10	20	2	M40x1.5P	12	31.5	62	-	33	10
OPT-206	20	32	29.25	24	7	11	-1	31	12	19	2	M55x2P	20	37	73	-	45	12
OPT-208	25	38.7	35	30	10	14.5	-1.5	35	14	20.5	2	M60x2P	30	39	95	104.8	52	16
OPT-210	30	51	46.6	34	12	8.5	-10.5	40	16	25	2	M85x2P	40	43	110	133.4	75	19
OPT-212	30	61.3	56	46	12	8	-15	50	21	28	2	M100x2P	50	51	129	-	91	23
OPT-215	43	82.7	77.4	46	13	8	-15	62	22	42.5	5	M130x2P	60	66	166	171.4	117.5	23

型式/規格 MODEL / SPEC.	爪行程 (mm) Jaw Stroke [Diameter] (mm)	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force kgf (KN)	最大抓夾力 Max. Gripping Force kgf (KN)	最大設定 油壓壓力 Max. Hydr. Pressure kgf/cm ² (Mpa)	淨重 Weight (kg)	油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
OPT-205	5.4	7000	1120 (11)	2340 (23)	19.5 (1.9)	6.5	P1036	ø10-ø135
OPT-206	5.5	6000	1420 (14)	3770 (37)	18.5 (1.8)	13.1	P1246	ø13-ø169
OPT-208	7.4	4800	2240 (22)	5710 (56)	17 (1.7)	23.0	P1552	ø13-ø210
OPT-210	8.6	4200	2850 (28)	7440 (73)	16 (1.6)	35.9	P1875	ø30-ø254
OPT-212	10.6	3300	3670 (36)	9690 (95)	16 (1.6)	56.5	P2091	ø35-ø304
OPT-215	10.6	2500	4790 (47)	12130 (119)	15 (1.5)	103.2	P2511	ø35-ø361

三爪高速中空油壓夾頭

3-JAW HIGH SPEED HOLLOW POWER CHUCKS



單位/UNIT:mm

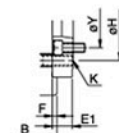
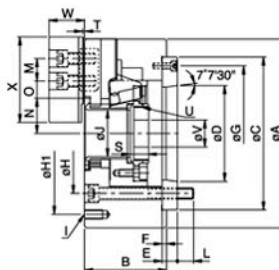
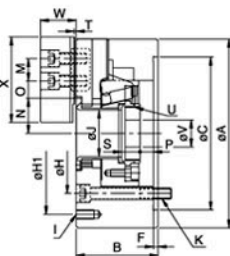
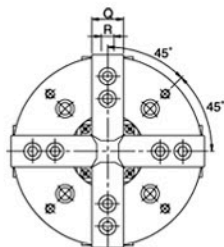
型式/規格 MODEL / SPEC.	主軸鼻端直徑 Nose Of Spindle	A	B	C (mm)	D	E	E1	F	G	H	H1	I	J	K	L
OP-205	A-4	135	80	110	83.513	20	-	4	98	82.8	PCDa118	3-M8x1.25P	33	3-M10x1.5P	15
OP-206	A-5	169	81	140	82.563	15	-	5	116	104.8	PCDa145	6-M10x1.5P	45	6-M10x1.5P	16
OP-208	A-6(A-5)	210	91	170	105.375	17	23	5	150	133.4	PCDa180	6-M10x1.5P	52	6-M12x1.75P	18
OP-210	A-8(A-6)	254	100	220	139.719	18	28	5	190	171.4	PCDa225	6-M12x1.75P	75	6-M16x2P	19
OP-212	A-8	304	110	220	139.719	18	-	6	190	171.4	PCDa250	6-M12x1.75P	91	6-M16x2P	25
OP-215	A-11(A-8)	361	133	300	195.669	22	33	6	260	235	PCDa324	6-M12x1.75P	117.5	6-M20x2.5P	26

型式/規格 MODEL / SPEC.	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y	通孔直徑 Thru-Hole [Diameter] (mm)	往復行程 Puncher Stroke (mm)
OP-205	14	26.5	23.8	19	6	1	-9	25	10	20	2	M40x1.5P	12	31.5	62	-	33	10
OP-206	20	32	29.25	24	7	11	-1	31	12	19	2	M55x2P	20	37	73	-	45	12
OP-208	25	38.7	35	30	10	14.5	-1.5	35	14	20.5	2	M60x2P	30	39	95	104.8	52	16
OP-210	30	51	46.6	34	12	8.5	-10.5	40	16	25	2	M85x2P	40	43	110	133.4	75	19
OP-212	30	61.3	56	46	12	8	-15	50	21	28	2	M100x2P	50	51	129	-	91	23
OP-215	43	82.7	77.4	46	13	8	-15	62	22	42.5	5	M130x2P	60	66	166	171.4	117.5	23

型式/規格 MODEL / SPEC.	爪行程 (mm) Jaw Stroke [Diameter] (mm)	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force kgf (KN)	最大抓夾力 Max. Gripping Force kgf (KN)	最大設定 油壓壓力 Max. Hydr. Pressure kgf/cm ² (Mpa)	淨重 Weight (kg)	油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
OP-205	5.4	7000	1730 (17)	3570 (35)	29 (2.9)	6.1	P1036	ø10-ø135
OP-206	5.5	6000	2140 (21)	5710 (56)	28 (2.7)	12.5	P1246	ø13-ø169
OP-208	7.4	4800	3360 (33)	8360 (82)	28 (2.6)	21.9	P1552	ø13-ø210
OP-210	8.6	4200	4280 (42)	11010 (108)	27 (2.6)	33.7	P1875	ø30-ø254
OP-212	10.6	3300	5500 (54)	14380 (141)	27 (2.6)	56.3	P2091	ø35-ø304
OP-215	10.6	2500	7240 (71)	18260 (179)	23 (2.3)	106.8	P2511	ø35-ø361

四爪高速中空油壓夾頭

4-JAW HIGH SPEED HOLLOW POWER CHUCKS



單位/UNIT:mm

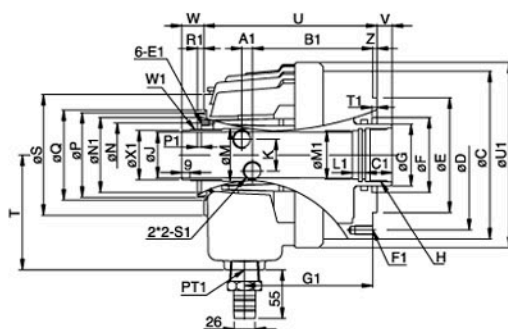
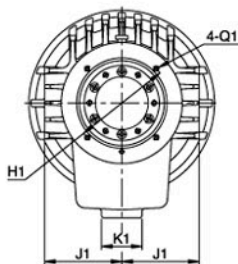
型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (H)	D	E	E1	F	G	H	H1	I	J	K	L
OPF-206	A-5	169	81	140	82.563	15	--	5	116	104.8	PCDø145	4-M10x1.5P	45	6-M10x1.5P	16
OPF-208	A-6(A-5)	210	91	170	106.375	17	23	5	150	133.4	PCDø180	4-M10x1.5P	52	6-M12x1.75P	18
OPF-210	A-8(A-6)	254	100	220	139.719	18	28	5	190	171.4	PCDø225	4-M12x1.75P	75	6-M16x2P	19
OPF-212	A-8	304	110	220	139.719	18	--	6	190	171.4	PCDø250	4-M12x1.75P	91	6-M16x2P	25
OPF-215	A-11(A-8)	381	133	300	196.869	22	33	6	260	235	PCDø324	4-M12x1.75P	117.5	6-M20x2.5P	28

型式/規格 MODEL / SPEC.	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y	通孔直徑 Thru-Hole [Diameter] (mm)	柱塞行程 Plunger Stroke (mm)
OPF-206	20	32	29.25	24	7	11	-1	31	12	19	2	M55x2P	20	37	73	--	45	12
OPF-208	25	38.7	35	30	10	14.5	-1.5	35	14	20.5	2	M60x2P	30	39	95	104.8	52	16
OPF-210	30	51	46.6	34	12	8.5	-10.5	40	16	25	2	M85x2P	40	43	110	133.4	75	19
OPF-212	30	61.3	56	46	12	8	-15	50	21	28	2	M100x2P	50	51	129	--	91	23
OPF-215	43	82.7	77.4	46	13	8	-15	62	22	42.5	5	M130x2P	60	66	165	171.4	117.5	23

型式/規格 MODEL / SPEC.	爪行程 [Diameter] Jaw Stroke (mm)	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force kgf (KN)	最大靜夾持力 Max. Gripping Force kgf (KN)	最大設定 油壓壓力 Max. Hydr. Pressure kgf/cm ² (Mpa)	淨重 Weight (kg)	搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
OPF-206	5.5	4500	1630 (16)	4180 (41)	21 (2.1)	14.2	P1246	ø22~ø169
OPF-208	7.4	3600	2440 (24)	6010 (59)	19 (1.9)	24.5	P1552	ø25~ø210
OPF-210	8.8	3200	3160 (31)	8050 (79)	20 (2.0)	38.1	P1875	ø26~ø254
OPF-212	10.6	2500	4080 (40)	10400 (102)	20 (2.0)	60.5	P2091	ø35~ø304
OPF-215	10.6	1800	5400 (53)	13600 (134)	17 (1.7)	111.5	P2511	ø63~ø381

高速中空油壓迴轉缸

SUPER HIGH SPEED HOLLOW ROTARY HYDRAULIC CYLINDERS



單位/UNIT:mm

型式/規格 MODEL / SPEC.	A1	B1	C	C1	D	E	E1	F	F1	G	G1	H	H1	J	J1	K	K1	L1	M
P1036	11	120	136	25	115	100	M5x0.8P	65	6-M10x1.5P	48	126	M42x1.5P	88	36	68	32	46	15	44.6
P1246	11.5	126.5	155	30	130	100	M6x1P	80	12-M10x1.5P	65	134	M55x2P	98	46	76	36	46	15	52.9
P1552	12	136	190	30	170	130	M6x1P	85	12-M10x1.5P	70	145	M60x2P	110	52	87.5	36	46	15	59.6
P1875	17.5	154.5	215	35	190	160	M6x1P	125	12-M10x1.5P	95	162	M85x2P	155	75	101	36	46	15	84.6
P2091	21	168	240	35	215	180	M6x1P	140	12-M12x1.75P	110	183	M100x2P	165	91	110	36	46	15	99.6
P2511	27	191	310	45	275	230	M6x1P	166	12-M16x2P	140	218	M130x2P	206	117	135	40	46	15	134.6

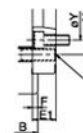
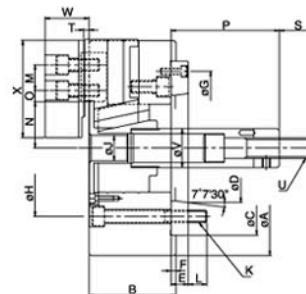
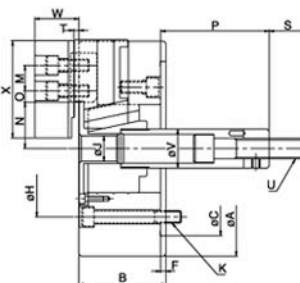
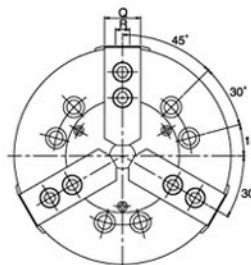
型式/規格 MODEL / SPEC.	M1	N	N1	P	P1	Q	Q1	R1	S	S1	T	T1	U	U1	V max.	V min.	W max.	W1	W min.	X1	Z
P1036	38	55	64	73	6	80	M5x0.8P	5	105	PT3/8	115	6	179	154	10	-5	39	M44x1.5P	24	42	5
P1246	50	64	76	85	4	90	M5x0.8P	6	116	PT1/2	115	6	184	170	10	-5	40	M52x1.5P	25	50	5
P1552	55	73	85	96	4	102	M6x1P	7	135	PT1/2	130	6	196	210	17	-5	47	M58x1.5P	25	56	5
P1875	80	98	108	121	4	131	M6x1P	7	164	PT1/2	160	4	230	235	20	-5	50	M84x2P	25	81	5
P2091	95	108	120	138	4	147	M6x1P	7	180	PT1/2	185	6	253	260	25	-5	55	M99x2P	25	96	5
P2511	125	148	160	178	5	184	M6x1P	7	230	PT1/2	210	7	304	302	24	-6	55	M134x2P	25	130	6

型式／規格 MODEL / SPEC.	活塞行程 Piston Stroke (mm)	最高迴轉速 Max. Speed r.p.m.(min ⁻¹)	GD* (kgf·m ²)	活塞直徑 Piston Dia(mm)	流量 Oil Leakage Rate (L/min)	最高 使用壓力 Max. Pressure kgf/cm ² (Mpa)	活塞面積 Piston Area (cm ²)		拉塞最大推(拉)力 Max. Operating Force				淨重 Weight (kg)
							推力側 Push Side	拉力側 Pull Side	推力 kgf	Push Side (kN)	拉力 kgf	Push Side (kN)	
P1036	15	8000	0.044	105	3.0	40 (3.9)	71	68	2500 (24.5)	2400 (23.5)		9.0	
P1246	15	7000	0.078	125	3.0	40 (3.9)	100	89	3700 (36.2)	3200 (31.3)		11.9	
P1552	22	6200	0.21	155	3.9	40 (3.9)	160	150	5800 (57.8)	5500 (53.9)		17.3	
P1875	25	4700	0.38	180	4.2	40 (3.9)	198	183	7200 (70.5)	6700 (65.6)		26.4	
P2091	30	3800	0.61	205	4.5	40 (3.9)	252	234	9200 (90.1)	8600 (84.3)		37.0	
P2511	30	2800	1.5	250	7.0	40 (3.9)	348	336	12400 (121.5)	12000 (117.6)		63.0	



三爪中實油壓夾頭

3-JAW SOLID POWER CHUCKS



單位/UNIT:mm

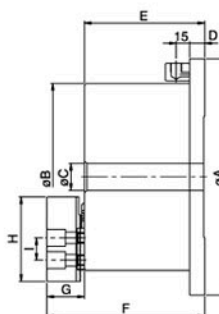
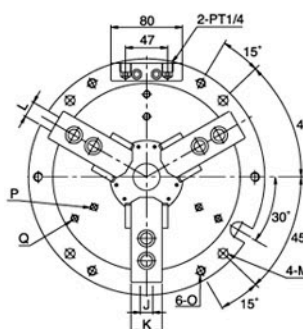
型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	E1	F	G	H	J	K	L	M	N max.
CL-06	A ₂ -5	165	74	140	82.563	15	--	5	116	104.8	21	6-M10x1.5P	14	20	37.8
CL-08	A ₂ -6(A ₂ -5)	210	85	170	106.375	17	23	5	150	133.4	25	6-M12x1.75P	18	25	46.3
CL-10	A ₂ -8(A ₂ -6)	254	89	220	139.719	18	28	5	190	171.4	34	6-M16x2P	25	30	51.4
CL-12	A ₂ -8	304	106	220	139.719	18	--	6	190	171.4	34	6-M16x2P	25	30	60.7
CL-15	A ₂ -11	381	114	300	196.869	22	--	6	260	235	--	6-M20x2.5P	33	43	77.5

型式/規格 MODEL / SPEC.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y	柱塞行程 Plunger Stroke (mm)	爪行程 Jaw Stroke [Diameter] (mm)
CL-06	33.25	18	7.5	101.5	81.5	31	12	36	4	M16x2P	34	39	73	--	20	8.5
CL-08	41.9	22.5	9	127	106	35	14	36	5	M20x2.5P	38	42	95	104.8	21	8.8
CL-10	47	37.5	10.5	158	133	40	16	36	5	M20x2.5P	45	46	110	133.4	25	8.8
CL-12	55.45	47	11	163	133	50	18	36	5	M20x2.5P	50	54	130	--	30	10.5
CL-15	69.5	50.25	23.25	104	69	62	25.5	55	2	M30x3.5P	60	63	165	--	35	16

型式/規格 MODEL / SPEC.	最高迴轉速 Max. Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force kgf (KN)	最大靜夾持力 Max. Gripping Force kgf (KN)	最大設定 油壓壓力 Max. Hydr. Pressure kgf/cm ² (Mpa)	淨重 Weight (kg)	搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
CL-06	5000	1730 (17)	5200 (51)	27 (2.6)	11.4	L1020	ø18~ø165
CL-08	4600	2440 (24)	7440 (73)	25 (2.5)	21.9	L1225	ø12~ø210
CL-10	4000	2850 (28)	10810 (106)	29 (2.8)	33.4	L1225	ø16~ø254
CL-12	3200	4080 (40)	15500 (152)	29 (2.8)	58.5	L1530	ø18~ø304
CL-15	2800	8260 (81)	25290 (248)	32.5 (3.2)	100.6	L2035	ø68~ø381

內藏式中空(氣)油壓三爪夾盤

3-JAW HOLLOW POWER CHUCK FIXTURES



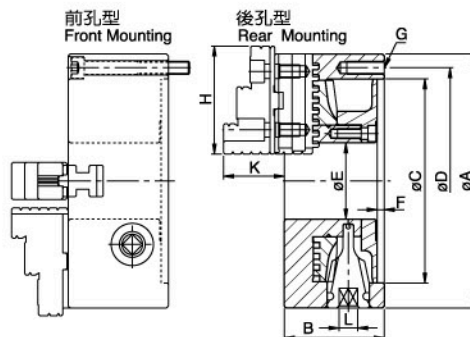
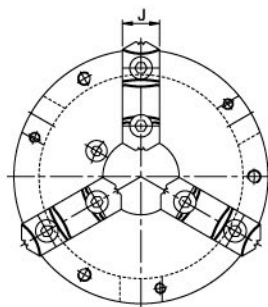
單位/UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	K	L	M	O	P	Q
MO-05	185	135	--	15	95	128	33	62	14	10	25	13	ø9 (PCD ø165)	M8x1.25P	3-M8x1.25P(PCDø100)	--
MO-06	224	169	25	16	118	158	40	73	20	12	31	18	ø11 (PCD ø202)	M10x1.5P	3-M8x1.25P(PCDø134)	--
MO-08	265	210	30	20	138	180	42	95	25	14	35	18	ø11 (PCD ø243)	M10x1.5P	3-M10x1.5P(PCDø136)	3-M10x1.5P(PCDø186)
MO-10	315	254	52	23	150	196	46	110	30	16	40	18	ø13 (PCD ø285)	M12x1.75P	3-M12x1.75P(PCDø170)	3-M12x1.75P(PCDø230)

型式/規格 MODEL / SPEC.	活塞面積 Piston Area (cm ²)	柱塞行程 Plunger Stroke (mm)	爪行程(直徑) Jaw Stroke (Diameter) (mm)	最大靜夾持力 Max. Gripping Force kgf (KN)	最大設定油壓壓力 Max. Hydr. Pressure kgf/cm ² (Mpa)	空壓夾持力 Gripping Force At Air Pressure 7 kgf/cm ² (0.7Mpa) kgf (KN)	淨重 Weight (kg)	夾持範圍 Gripping Range
MO-05	74	10	5.4	3285 (32.2)	20 (2.0)	1300 (12.7)	11.4	ø12~ø135
MO-06	97	12	5.5	5040 (49.4)	20 (2.0)	2000 (19.6)	21.5	ø15~ø169
MO-08	156	16	7.4	8100 (79.4)	20 (2.0)	3300 (32.3)	37.6	ø20~ø210
MO-10	235	19	8.8	12210 (119.7)	20 (2.0)	4800 (47.0)	57.5	ø33~ø254

強力型三爪夾頭

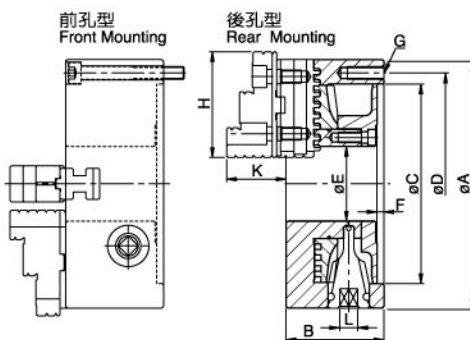
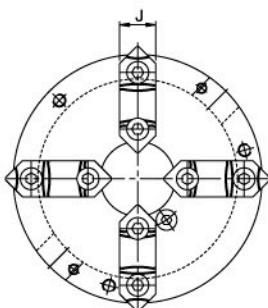
3-JAW POWERFUL TYPE SCROLL CHUCKS



型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
													外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
SK-06	167	66	130	147	45	5	3-M10x1.5P	68	26	39	10	2000	ø8-ø160	ø55-ø150	8.6
SK-07	193	76	155	172	58	5	3-M10x1.5P	82	28	43	11	2000	ø8-ø180	ø62-ø170	12.8
SK-08	203	76	160	176	58	5	3-M10x1.5P	82	28	43	11	2000	ø8-ø180	ø62-ø170	14.1
SK-09	233	84	190	210	70	5.5	3-M12x1.75P	93	32	50	12	2000	ø11-ø220	ø70-ø210	20.4
SK-10	273	86	230	250	89	5.5	3-M12x1.75P	93	32	50	12	1800	ø12-ø260	ø80-ø250	26.7
SK-12	310	96	260	285	105	7	3-M12x1.75P	118	40	56	14	1800	ø15-ø300	ø90-ø290	39.3
SK-16	405	122	345	375	160	8	6-M14x2P	150	45	75.5	15	1500	ø30-ø400	ø110-ø380	82.3

強力連動型四爪夾頭

4-JAW POWERFUL TYPE SCROLL CHUCKS

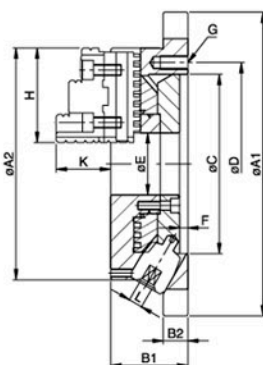
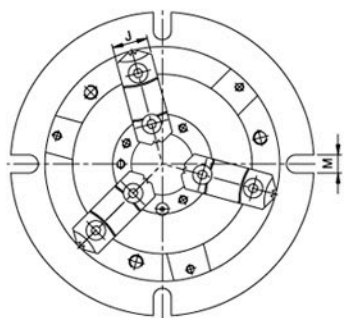
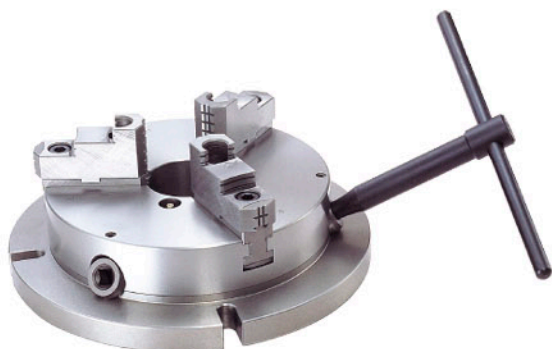


型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
													外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
PSK-07	193	76	155	172	58	5	3-M10x1.5P	82	28	43	11	2000	ø8-ø180	ø62-ø170	12.7
PSK-09	233	84	190	210	70	5.5	3-M12x1.75P	93	32	50	12	2000	ø11-ø220	ø70-ø210	20.8
PSK-12	310	96	260	285	105	7	3-M12x1.75P	118	40	56	14	1800	ø15-ø300	ø90-ø290	43
PSK-16	405	122	345	375	160	8	6-M14x2P	150	45	75.5	15	1500	ø30-ø400	ø110-ø380	86.7



強力超薄型夾盤

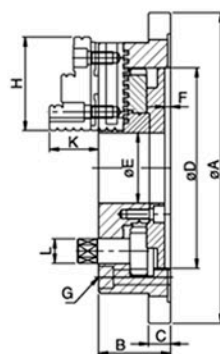
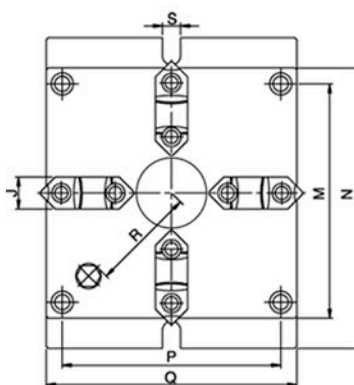
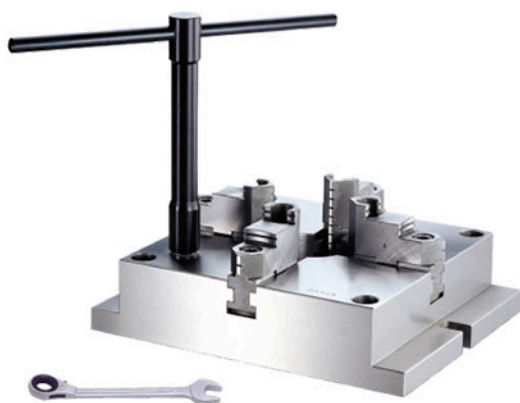
POWERFUL TYPE SUPER THIN CHUCKS



型式／規格 MODEL / SPEC.	A1	A2	B1	B2	C	D	E	F	G	H	J	K	L	M	把握範圍 Max.Gripping Diameter		淨重 Weight (kg)
															外徑把握 O.D.Clamping (mm)	內徑把握 I.D.Clamping (mm)	
NBK-06	220	170	58	18	130	147	45	6	3-M10x1.5P	68	26	40	10	13	ø8~ø160	ø48~ø150	10.6
NBK-08	270	210	65	20	155	172	60	6	3-M10x1.5P	82	28	43	11	13	ø11~ø200	ø62~ø190	18.1
NBK-10	315	255	73	20	190	210	80	6	3-M12x1.75P	93	32	52	12	16	ø12~ø250	ø72~ø240	27.9
NBK-12	370	305	80	22	250	285	105	5	3-M12x1.75P	118	40	59	14	18	ø15~ø300	ø86~ø290	42.9

方型超薄夾盤

SUPER THIN SQUARE CHUCKS

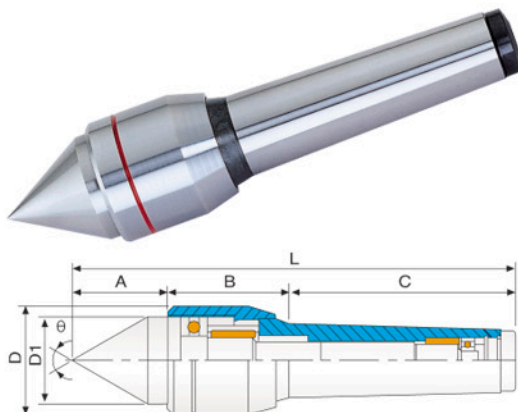


型式／規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	把握範圍 Max.Gripping Diameter		淨重 Weight (kg)
																		外徑把握 O.D.Clamping (mm)	內徑把握 I.D.Clamping (mm)	
MC-06	215	57	18	130	40	5.5	4-M10x1.5P	68	26	39	14	144	165	144	165	66	18	ø4-ø128	ø55-ø128	11.4
MC-08	250	65	20	160	55	6	4-M12x1.75P	82	28	43	17	174	200	174	200	83	18	ø5-ø162	ø62-ø162	18.6
MC-10	310	72	22	200	70	6	4-M14x2P	93	32	50	21	218	250	218	250	104	18	ø6-ø200	ø72-ø200	31.6
MC-12	380	85	25	260	100	7	4-M16x2P	118	40	56	23	274	310	274	310	135	22	ø10-ø265	ø90-ø265	56.6

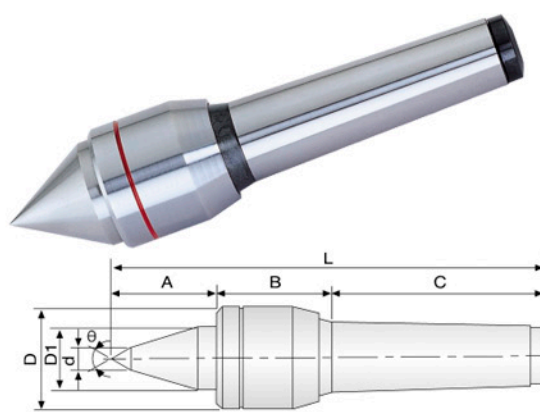
迴轉頂針

ROLLING TYPE

A TYPE

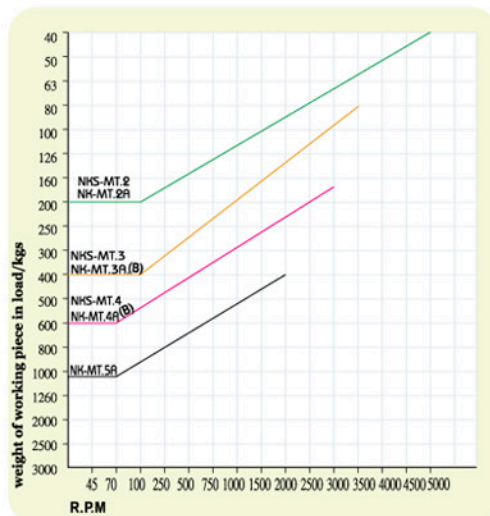
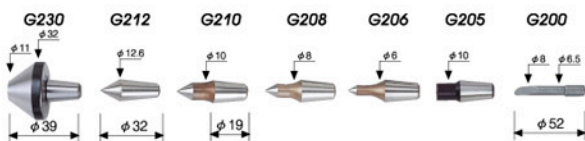
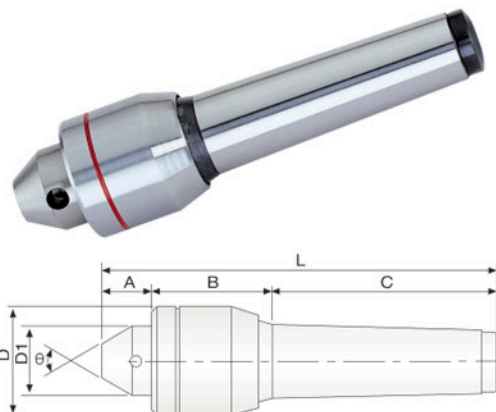
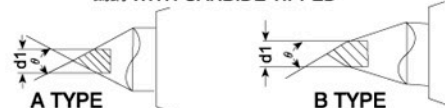


B TYPE



特殊規格 SPECIAL ORDER

鑄鋼 WITH CARBIDE TIPPED



1. 心軸及本體使用軸承鋼之材質，經適當熱處理為[HRC60°±1°]。
2. 此頂針使用止推軸承，針狀軸承及滾針軸承，滾珠軸承之組合。
3. 適用中、高速之車床，及中負載使用。

※NK-B型：適合中小工作物之加工切削。

- 1.Center shaft and main body are made of alloy steel and hardened to HRC60°±1°.
- 2.Center is assembled with thrust bearing, needle bearing & ball bearing.
- 3.Applicable to medium & high speed lathes with heavy load.

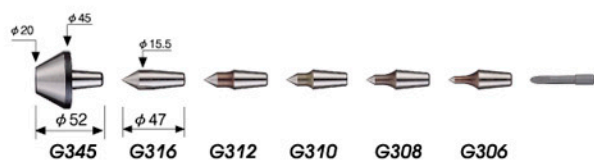
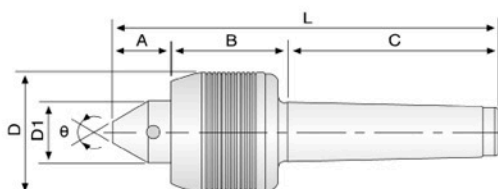
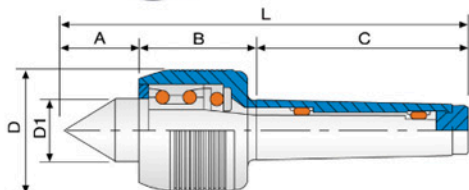
※NK-B model: long nose live centers are suitable for small workpiece.

ORDER NO.	MORES TAPER MT/MK	A	B	C	D	D1	d	L	d1	Co精度 Accuracy	Max R.P.M	θ	G.W. WEIGHT kgs	包裝尺寸 L x W x H
08040002	NK-MT.2A	28	35	69	32	23	-	132	-	0.003	5000R.P.M	60°	0.40 kgs	173 x 43 x 40
08040003	NK-MT.3A	36	44	86	41	35	-	166	12	0.003	3500R.P.M	60°	0.88 kgs	198 x 67 x 51
08040004	NK-MT.4A	41	51	108	47	40	-	200	12	0.003	3000R.P.M	60°	1.46 kgs	240 x 70 x 61
08040005	NK-MT.5A	54	72	136	65	52	-	262	18	0.003	2000R.P.M	60°	3.66 kgs	290 x 92 x 80
08040013	NK-MT.3B	46	44	86	41	25	10	176	12	0.003	3500R.P.M	60°	0.88 kgs	198 x 67 x 51
08040014	NK-MT.4B	55	51	108	47	32	12	214	12	0.003	3000R.P.M	60°	1.46 kgs	240 x 70 x 61
08040022	NKS-MT.2	22	36	69	32	25	-	127	-	0.005	5000R.P.M	60°	0.85 kgs	166 x 105 x 63
08040023	NKS-MT.3	23	44	86	41	30	-	153	-	0.005	3500R.P.M	60°	1.40 kgs	255 x 138 x 100
08040024	NKS-MT.4	23	51	108	47	32	-	182	-	0.005	3000R.P.M	60°	1.92 kgs	255 x 138 x 100

重負荷頂針

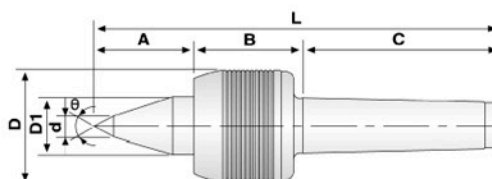
HEAVY-LOAD TYPE

A TYPE



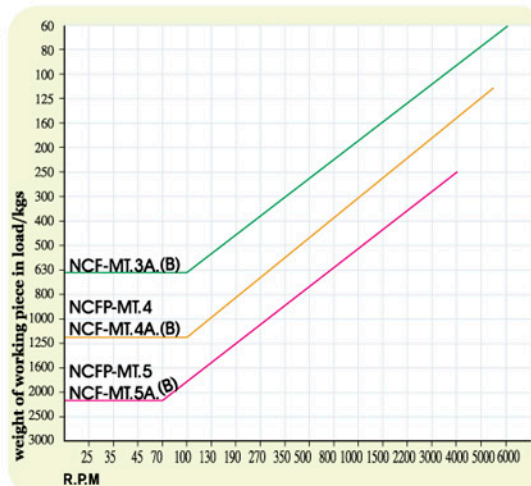
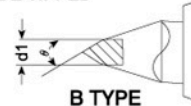
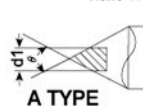
G345 G316 G312 G310 G308 G306

B TYPE



特殊規格 SPECIAL ORDER

錫銅 WITH CARBIDE TIPPED



1. 前端使用雙列斜角滾珠軸承及止推軸承，中段及後段使用滾針軸承之組合。

2. 此頂針適用於CNC車床，具高速及重負荷使用，具防水性。

※ NCF-B型：適合小工作物之加工切削。

1. Front end is fitted with angular contact ball bearing & thrust bearing.

Middle & Rear end are fitted with needle bearing.

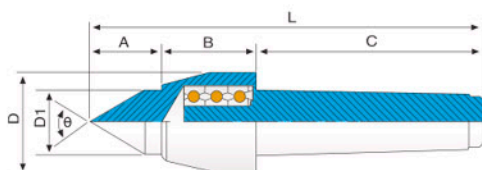
2. These centers are suitable for CNC lathes at high speed & heavy load operation with waterproof design.

※ NCF-B type: long nose live centers are suitable for small workpiece.

ORDER NO.	MORES TAPER MT/MK	A	B	C	D	D1	d	L	d1	Co精度 Accuracy	Max R.P.M	θ	G.W. WEIGHT kgs	包裝尺寸 L x W x H
08020003	NCF-MT.3A	38	50	86	53	30	-	174	12	0.003	6000R.P.M	60°	1.28 kgs	240 x 70 x 61
08020004	NCF-MT.4A	45	60	108	68	32	-	213	12	0.003	5500R.P.M	60°	2.45 kgs	253 x 92 x 80
08020005	NCF-MT.5A	52	70	136	87	40	-	258	18	0.003	4000R.P.M	60°	4.65 kgs	303 x 108 x 101
08020013	NCF-MT.3B	52	50	86	53	25	10	188	12	0.003	6000R.P.M	60°	1.30 kgs	240 x 70 x 61
08020014	NCF-MT.4B	55	60	108	68	32	12	223	12	0.003	5500R.P.M	60°	2.46 kgs	253 x 92 x 80
08020015	NCF-MT.5B	67	70	136	87	40	14	273	18	0.003	4000R.P.M	60°	4.70 kgs	303 x 108 x 101
08020024	NCFP-MT.4	29	64	108	68	32	-	201	-	0.005	5500R.P.M	30°	2.76 kgs	235 x 130 x 80
08020025	NCFP-MT.5	37	70	136	87	40	-	243	-	0.005	4000R.P.M	30°	5.00 kgs	275 x 147 x 97

普通型頂針

NORMAL TYPE



- 1.此頂針使用鉻鉬鋼之材質，經適當熱處理為 [HRC 58°~60°]具高鋼性。
- 2.此頂針為滾珠軸承之組合。
- 3.適用於中、高速車床及輕負載之使用。

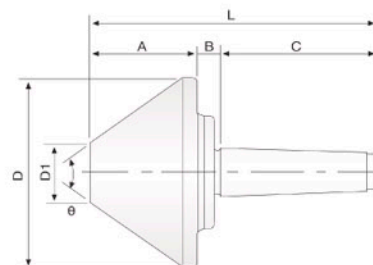
- 1.Center is made of Cr-Mo steel and haredened to HRC 58°~60°.
- 2.Center is assembled with ball bearings.
- 3.Applicable to medium & high speed lathes with light duty.

單位/Unit:mm

ORDER NO.	MORES TAPER MT/MK	A	B	C	D	D1	L	Co精度 Accuracy	Max R.P.M	θ	G.W. weight kgs	包裝尺寸 L x W x H
08080001	PC-MT.1	21	31	56	32	16	108	0.005	4500R.P.M	60°	0.25 kgs	115 x 36 x 38
08080002	PC-MT.2	26	37	69	40	22	132	0.005	3500R.P.M	60°	0.48 kgs	140 x 45 x 45
08080003	PC-MT.3	32	46	86	45	26	164	0.005	3000R.P.M	60°	0.83 kgs	170 x 50 x 52
08080004	PC-MT.4	34	46	108	48	30	188	0.005	2500R.P.M	60°	1.22 kgs	195 x 58 x 56
08080005	PC-MT.5	50	62	136	68	45	248	0.005	2000R.P.M	60°	3.30 kgs	268 x 86 x 77

傘型頂針

BULL NOSE CENTER TYPE



- 1.傘型頂針頭部使用鉻鉬鋼材質，經熱處理[HRC 60°±1°]。
- 2.內部使用滾錐軸承滾珠軸承之組合。
- 3.適用於較大之內孔徑之加工使用。

- 1.The tip of bull nose center uses Cr-Mo steel and hardened to HRC 60°±1°.
- 2.The center uses combination of taper roller bearing and ball bearing.
- 3.Applicable to pipes turning.

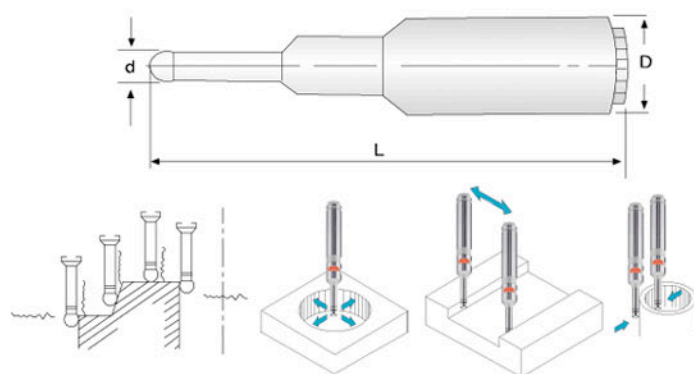
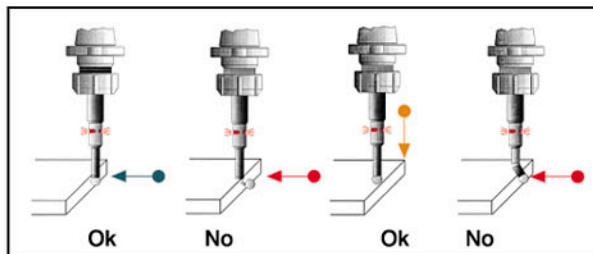
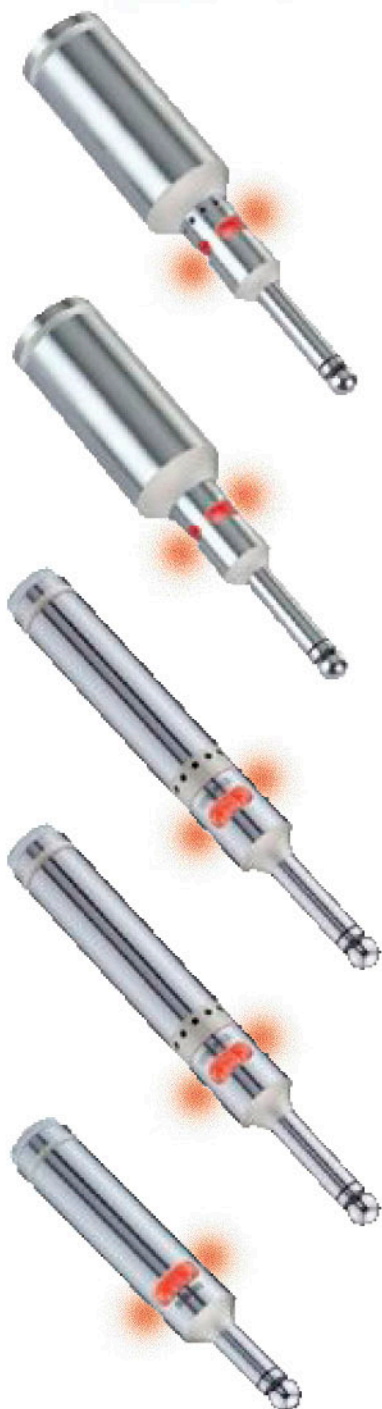
單位/Unit:mm

ORDER NO.	MORES TAPER MT/MK	A	B	C	D	D1	L	Co精度 Accuracy	Max R.P.M	Load weight	θ	G.W. weight kgs	包裝尺寸 L x W x H
08102063	BC 63-MT.2	46	17	69	63	12	132	0.005	4000R.P.M	RPM100=200kg	60°	0.90 kgs	198 x 85 x 85
08103063	BC 63-MT.3	46	17	86	63	12	149	0.005	4000R.P.M	RPM100=200kg	60°	1.00 kgs	198 x 85 x 85
08103078	BC 78-MT.3	52	18	86	78	15	156	0.005	3300R.P.M	RPM100=400kg	70°	1.30 kgs	198 x 85 x 85
08103106	BC106-MT.3	59	16	86	106	25	161	0.005	3000R.P.M	RPM100=500kg	70°	2.70 kgs	218 x 116 x 116
08104063	BC 63-MT.4	46	17	108	63	12	171	0.005	4000R.P.M	RPM100=200kg	60°	1.00 kgs	198 x 85 x 85
08104078	BC 78-MT.4	52	18	108	78	15	178	0.005	3300R.P.M	RPM100=400kg	70°	1.45 kgs	198 x 85 x 85
08104106	BC106-MT.4	59	16	108	106	25	183	0.005	3000R.P.M	RPM100=500kg	70°	3.00 kgs	218 x 116 x 116
08104128	BC128-MT.4	73	12	108	128	40	193	0.005	2000R.P.M	RPM100=650kg	70°	4.80 kgs	135 x 135 x 245
08104156	BC156-MT.4	88	12	108	156	45	208	0.008	1900R.P.M	RPM100=800kg	70°	7.60 kgs	166 x 166 x 258
08104206	BC206-MT.4	98	12	108	206	81	218	0.008	1500R.P.M	RPM100=1300kg	70°	17.00 kgs	292 x 292 x 347
08104258	BC258-MT.4	107	13	108	258	92	228	0.008	1200R.P.M	RPM100=2000kg	80°	27.00 kgs	292 x 292 x 347
08105128	BC128-MT.5	73	12	136	128	40	221	0.005	2000R.P.M	RPM100=650kg	70°	5.80 kgs	135 x 135 x 245
08105156	BC156-MT.5	88	12	136	156	45	236	0.008	1900R.P.M	RPM100=800kg	70°	8.50 kgs	166 x 166 x 258
08105206	BC206-MT.5	98	12	136	206	81	246	0.008	1500R.P.M	RPM100=1600kg	70°	18.00 kgs	292 x 292 x 347
08105258	BC258-MT.5	107	13	136	258	92	256	0.008	1200R.P.M	RPM100=2200kg	80°	28.00 kgs	292 x 292 x 347
08105306	BC306-MT.5	107	30	136	306	120	273	0.01	1000R.P.M	RPM100=3000kg	90°	37.50 kgs	343 x 332 x 357
08106206	BC206-MT.6	98	12	190	206	81	300	0.008	1500R.P.M	RPM100=2000kg	70°	20.60 kgs	292 x 292 x 347
08106258	BC258-MT.6	107	13	190	258	92	310	0.008	1200R.P.M	RPM100=2500kg	80°	30.60 kgs	292 x 292 x 347
08106306	BC306-MT.6	107	30	190	306	120	327	0.01	1000R.P.M	RPM100=3000kg	90°	40.00 kgs	343 x 332 x 357



光電式尋邊器

OPTICAL EDGE FINDER



- Not necessary to rotate while measuring.
- Quickly locate work edges.
- Save time to find positions, for milling machine, jig borers, and other machine tools.
- Accuracy 0.005mm

IS A HIGH SENSIBLE POSITION MEASURING

- Uses dry batteries to light the red lamp.
- The scope of application includes edge surface, inside and outside diameters and high efficiency.
- There is a safety spring puller which puts the ball precisely back to the positing when ball breaks away from ball seat.

Battery type:

Um5#, 1.5V x 2pcs (SOE-20L, 32L)

Um5#, 23A x 12V x 1pcs (SOE-20S, 32 / 20LB)

● 特點:

- 1.不需迴轉測量。
- 2.精確度0.005m/m。
- 3.附2枚UM5#,1.5V鹼性乾電池。(20L,32L)
(32 / 20LB.20S附1枚UM5#,12V鹼性乾電池)

⚠ 請注意 / 光電式尋邊器不適合迴轉使用
Notice to use of optical edge finder, that is not suitably used for rotary.

單位/Unit:mm

ORDER NO.	TYPE	柄徑.D	長度.L	測頭.d	G.W. WEIGHT kgs	包裝尺寸 L x W x H
08420120	SOE-20S	20Ø	120	10Ø	0.35 kgs	198 x 75 x 44
08420020	SOE-20L	20Ø	158	10Ø	0.40 kgs	198 x 75 x 44
08420021	SOE-20LB	20Ø	158	10Ø	0.40 kgs	198 x 75 x 44
08420032	SOE-32L	32Ø	158	10Ø	0.70 kgs	198 x 75 x 54
08420033	SOE-32LB	32Ø	158	10Ø	0.70 kgs	198 x 75 x 54



陶瓷尋邊器

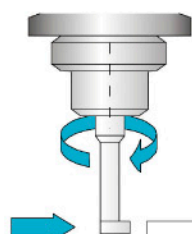
CERAMIC EDGE FINDER



CER-10
精度(ACCURACY): $\pm 0.002\text{mm}$

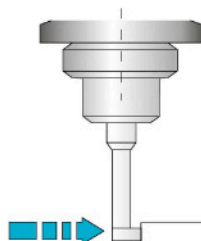


MEP-10



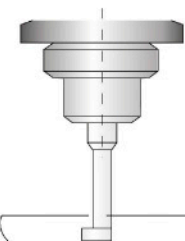
(側面) side

(1) 先把巡邊器回轉後，慢慢靠近測定物。



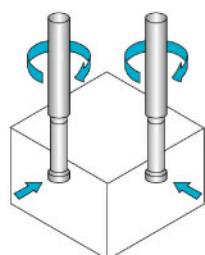
(側面) side

(2) 測定端子的振動到停下來時徐徐移動出去。



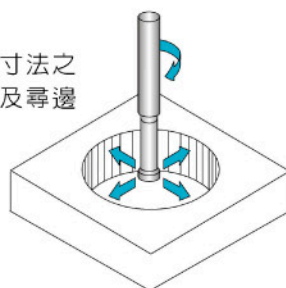
(正面) front-side

(3) 再細微的傳出時，急速的偏心的時點，就是測定值。移送測定端子(10m/m)的半徑5m/m時主軸與加工物之端面就一致。

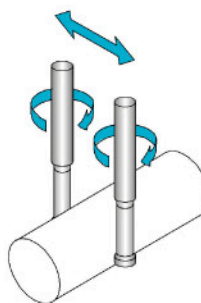


基準位置之設置
set up the standard position

內徑寸法之
測定及尋邊



measure the internal diameter



溝幅之測定

※MEP 型：具有不導磁之特性，前端使用全陶瓷之材質

※MEP TYPE: The mep type is nonmagnetic, and the front tip wholly made of ceramic.

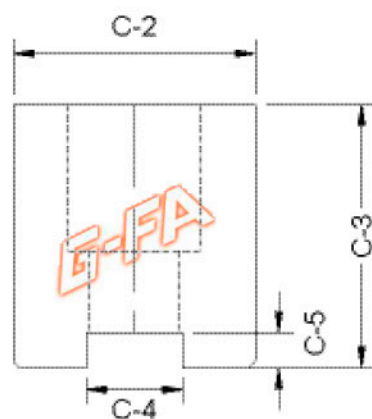
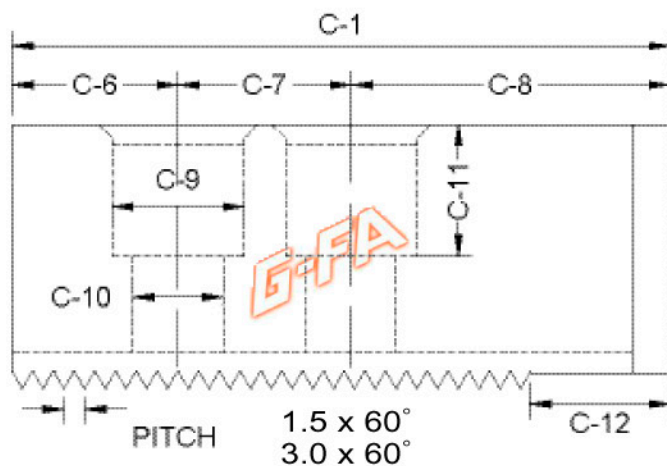
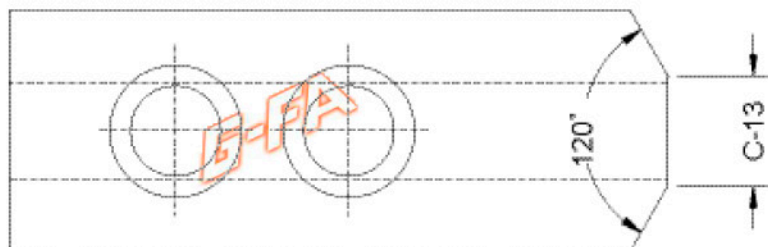
Ceramic[陶瓷] HV:1350°

單位/Unit:mm

ORDER NO.	TYPE	G.W. weight kgs		包裝尺寸 L x W x H
08420010	MEP-10	0.1 kgs		118 x 45 x 25
ORDER NO.	TYPE	外徑 Shank Dia.	全長 Length	測定子 Probe Dia.
08420011	CER-10	10	84	Ø10 X 4

客戶名稱(Company): _____ 聯絡人: _____

電話(Tel): _____ 傳真電話(Fax): _____ 日期: ____ / ____ / ____



《特殊尺寸填寫表》 PLEASE FILL THE BLANKS BELOW , IF YOU NEED SPECIFIC ONE(S)

C-1: _____ C-2: _____ C-3: _____ C-4: _____ C-5: _____ C-6: _____ C-7: _____

C-8: _____ C-9: _____ C-10: _____ C-11: _____ C-12: _____ C-13: _____ P: _____

吉華麗生爪尺寸對照表

PART. NO.	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	C-10	C-11	C-12	C-13
CH-05	62	25	30	10	4	12	14	36	13.5	8.5	21	—	3
CH-06	73	31	36	12	5	15	20	38	17	11	23	—	14
CH-08	95	35	38	14	5	24	25	46	19	13	23	20.5	16
CH-10	110	40	42	16	5	30	30	50	19	13	26	20.5	18
CH-12	129	50	50	18	6	39	30	60	23	16	30	20	22
CH-12*	129	50	50	(21)	6	39	30	60	(26)	(17)	30	20	22
CH-15	165	62	62	22	8	37	43	85	32	21	38	18.5	—

SUPER JAW INDUSTRY CO., LTD

24, LANE 157, YUNG FENG ROAD, TAIPING CITY TAICHUNG HSIEN, TAIWAN

TEL:886-4-22785378 FAX:886-4-22706809



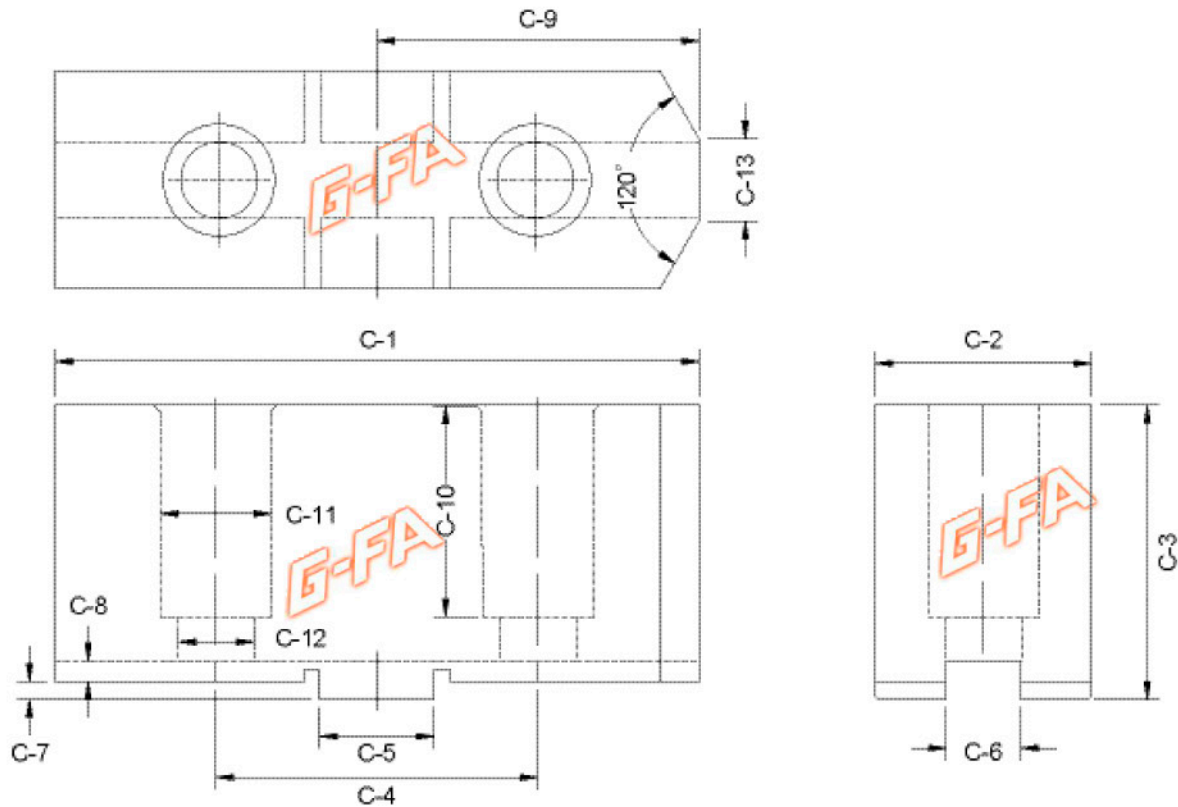
吉華麗精密實業股份有限公司

台中縣太平市永豐路157巷24號

營業項目：CNC車床用生爪\三爪強力生爪\特殊規格設計製造

客戶名稱(Company): _____ 聯絡人: _____

電話(Tel): _____ 傳真電話(Fax): _____ 日期: / /



《特殊尺寸填寫表》 PLEASE FILL THE BLANKS BELOW , IF YOU NEED SPECIFIC ONE(S)

C-1: _____ C-2: _____ C-3: _____ C-4: _____ C-5: _____ C-6: _____ C-7: _____

C-8: _____ C-9: _____ C-10: _____ C-11: _____ C-12: _____ C-13: _____

吉華麗生爪尺寸對照表

PART. NO.	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	C-10	C-11	C-12	C-13
SK-06	73	26	37	38.1	12.68	7.94	3	3.5	36.5	29	13.8	8.5	5
SK-07(SK-08)	95	31	48	44.45	12.68	7.94	3	3.5	47.5	35	17	11	10
SK-09(SK-10)	110	37	50	54	19.03	12.7	3	3.5	55	36	19	13	15
SK-12	125	40	50	63.5	19.03	12.7	3	3.5	62.5	36	19	13	17
SK-16(SK-15)	160	50	70	76.2	19.03	12.7	6	5.5	80	48	26	17	-
SK-20	160	50	70	76.2	19.03	12.7	6	5.5	80	48	32	21	-

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