

LINCO

Precision Machine Tools & Accessories

Catalog



www.lincoprecision.cn

Qualifrid • Efficient • Reliable

品質 • 時效 • 信賴

www.lincoprecision.cn

LINCO

1975



公司簡介

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我公司是台灣海納川精密工業(股)公司，成立於1975年，其前身為亞青工業(股)公司，2011年更名為海納川。于1993年2月設廠于中國深圳，同時也是最早在中國珠三角地區投資生產模具零配件的台資企業之一。我們專業生產模具零配件 (沖頭、頂針、司筒、導柱、導套等)、機床零附件 (各型磨床與銑床的輔助配件)。

我公司各類產品95%出口於歐美國家，多年來持續的發展與壯大，並得到了客戶的鼎力支援，已經具備與世界同行列產品競爭的實力，公司成立以來一直堅持向客戶快速、準確地提供高精密密度模具零配件，也得到廣大客戶的高度認可及信賴。

如今在完善的產品製造流程與品質管控之下，以及ISO9001品質管理體系的建立，讓公司不斷的精益求精及穩定成長。海納川精密工業(股)公司將與全球客戶一起攜手共同發展，並將以更優質的產品來回饋我們每一位產品使用者。



COMPANY PROFILE

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LINCO Precision Industrial Co.Ltd has been founded in 1975. Our former name was YCT and it was renamed in 2011. In February 1993 our subsidiary company SHEZHEN SANQING MOULD Co.Ltd. has been set up in China. In other words our head office is located in Taipei, Taiwan and our factory is in Shenzhen, China We are specialized in producing the mould components and accessories.(ex.punches, ejector pins, ejector sleeves, guide pillars and guide bushes.)As well manufacturing the machining tools (Auxiliary Parts of grinding and milling machines) is one of our strong points. LINCO can be said to be one of the earliest Taiwanese companies who started with mould components and accessories in Pearl Real Delta of China.

95% percent of our products have been exported to the West. Thanks for the support of our clients LINCO has kept growing in the past. Now we are competitive with the peers overseas. Since the establishment of LINCO our motto is "Efficiently providing our customer with high precision products." And this has helped us to earn recognition from the majority of the customers.

LINCO is now ISO9001 certificated. By the way the manufacturing process and quality are under the perfect control. We are now working on the goal of steady growth. We would like to develop with our clients worldwide together and feed back our customers with best quality.



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PRECISE & HONESTLY 創新, 務實 ▶

企業祇有不斷設計創新，才能有發展；企業祇有不斷開發新產品，才能拓展市場，我們正致力於不斷研究、開發、設計，為企業注入新的活力，開發出令客戶滿意的產品。

Enterprise has to invest in design innovation endlessly to gain continuous business scope; only by constantly developing new products to own higher the market share. We are committed to continuous research, development, design, new vitality for the enterprise, and deliver products that fulfill with customer satisfaction.

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PRODUCTION WORKSHOP

[生產車間] →

全面穩健的生產能力
Comprehensive and stable productivity

以客戶為中心，全員參與，持續改進，不斷為客戶提供優質的產品和滿意的服務。

Focus on customers, all the members work together on continuous improvement thus provide customers with excellent products and satisfactory services.

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人員

企業的教育訓練為人力資源管理的重要工作，訓練乃以公司的任務與發展需求為目標，增進上下員工達成執行力的專業能力，目的在於使企業能獲得更佳的競爭優勢。

海納川精密工業自1973年于台灣成立以來、長期堅持向客戶提供可靠的模具零件、機床附件、等各種高品質的產品。通過我們內部的培訓及對外的參訪和交流，累積其經驗培養出經驗豐富的員工及幹部，更創造出了低成本的經營模式。

而在長期推動的人員在職訓練工作當中，在了解常用機械工程材料的類別和用途，以及正確判別各類常用金屬材料的能力，和加工工藝應用範圍、和零件的常用加工方法，都是我們對於在職員工的培訓重點，藉以培養具有專業加工技術的員工，厚實公司的人力資源，進而應用和服務我們所有的客戶。

在我們40餘年的公司歷史中，由於我們對人員技術加工能力的重視，海納川精密工業的產品品質。始終得到國內外客戶的一致肯定。因為我們知道最大程度的達成客戶滿意是每一個企業存在的意義，所以品質不僅僅是產品是否符合客戶要求，更包括了客戶是否滿意。

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Staff

One important task of personal management in a company is "stafftraining" By this company can acquire a better advantage in competition.

Since 1973 LINCO maintain offering the clients products with good quality. By internal employee training and exchange of skills with peers we have gathered plent experience and cultivated talents. Therefore we are able to run our company with a low cost modus and our clients can benefit from this as well.

Leaming about the characteristics and us of the material, ability of distinguishing different materials, proceeding process e.t.c. are our focal points. Our staff is the main resource and property. With strong staff we are able to meet demand of our clients.



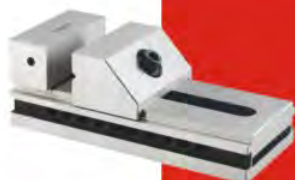
PRECISION TOOLS & ACCESSORIES

Precision Machine Tools & Accessories

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插梢式工具萬力
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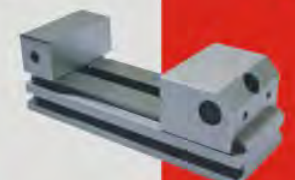
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PRECISION VISE OF STAINLESS STEEL



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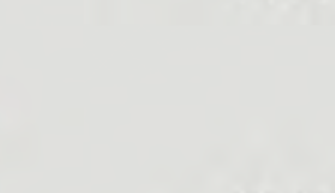
可調式搪孔器
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Precision Machine Tools & Accessories

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精密直角尺
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精密塊規
PRECISION GAUGE BLOCK



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PSP

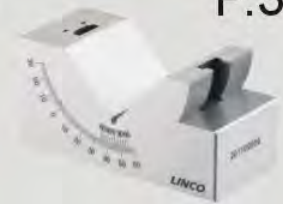
砂輪角度修整器
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APM

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APA

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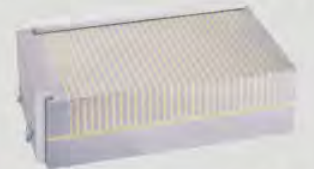
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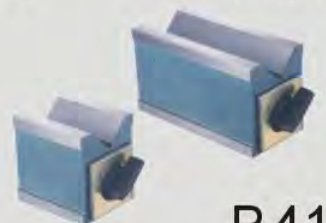
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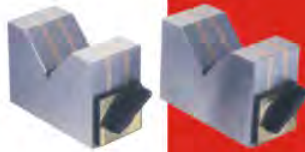


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GVC / GVD

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MAGNETIC V-BLOCK



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磁性V型台
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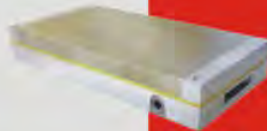
強力永磁細目夾盤
POWERFUL ANGULAR PERMA-NET
MAGNETIC CHUCK



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強力永磁細目夾盤
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粗目圓形磁盤
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回轉型永磁夾盤
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EDA

脫磁器
HANDY TYPE DE-MAGNE TIZER



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EDB

脫磁器
HANDY TYPE DE-MAGNE TIZER



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銑刀夾具組OZ型
OZ MILLING COLLET CHUCK SYSTEM



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BT銑刀夾頭柄
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角固式虎鉗
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TWO WAY HYDRAULIC MACHINE VISE

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BS



萬能分度頭
SEMI-UNIVERSAL DI-VIDING HEAD

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組合壓板
CLAMPING KIT

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BS



萬能分度頭
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160AH/160BH

工作器
WORK STOPPER

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橫立兩用分度盤
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CS

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偏心式尋邊器
MECHANICAL EDGE FINDER

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20TS / 32TS

光電式尋邊器
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精密切斷研磨機
RODS PRECISION CUTTING -OFF AND END
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ECEA/ECEB/ECEC

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精密外徑研磨機
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高速切斷機
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精密內徑研磨機
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精密平面研磨機
PRECISION GRINDING MACHINE

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K250

砂輪法蘭
FLANGE

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K350

砂輪法蘭
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K450

砂輪法蘭
FLANGE

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BW

滑輪式平衡台
WHEEL BALANCING STAND

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BL

水平式平衡台
LEVEL BALANCING STAND

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電極棒
ELECTRODE HOLDER

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電極棒
ELECTRODE HOLDER

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▼ **63601 / 63603**

插梢式工具萬力
TOOL MAKER VISE OF PLUGS TYPE

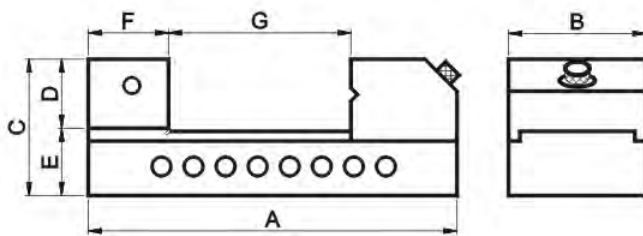
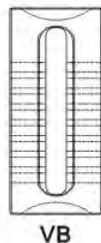


VA/VB

Parallelism: 0.005mm/100mm
Squareness: 0.005mm/100mm

- 工具萬力采用高碳鋼經熱處理硬化后精密研磨而成，使用此萬力無論橫立、直立、平放，皆可保持高度精密度。
- VA型工具萬力是利用插梢方式調整萬力與滑塊之夾持間距。
- VB型保有VA型之功能，還可在不拆解任何零件下調整萬力滑塊之夾持間距。
- The tool maker vise is made by high carbon steel, hardened by heat treatment and machined by precise grinding. It can maintain high precision either in horizontal and vertical position.
- VA-type tool maker vise applies pin to adjust the clipping distance between vise and slippery block.
- VB-type tool maker vise holds all functions of VA-type one, plus that it can adjust the clipping distance without disassembling any part from it.

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Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63601-15	VA 15	SK2	100	36	45	20	25	20	40	HRC56~58°	0.7
63601-20	VA20		150	48	58	30	28	30	75		1.7
63601-25	VA25		170	63	63	35	28	30	90		2.7
63601-30	VA30		190	73	67	35	32	35	100		3.9
63601-35	VA35		225	88	85	45	40	40	120		6.7
63601-40	VA40		235	98	85	45	40	40	125		8.0
63603-15	VB15	SK2	100	36	45	20	25	20	40	HRC56~58°	0.6
63603-20	VB20		150	48	58	30	28	30	75		1.6
63603-25	VB25		170	63	63	35	28	30	90		2.5
63603-30	VB30		190	73	67	35	32	35	100		3.7
63603-35	VB35		225	88	85	45	40	40	120		6.5
63603-40	VB40		235	98	85	45	40	40	125		7.8

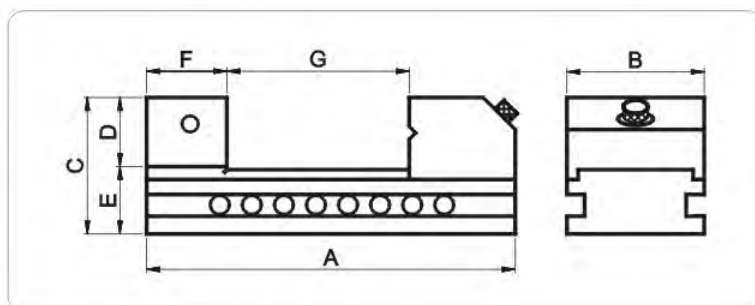
▼ 63605

插梢式大型工具萬力

TOOL MAKER VISE OF PLUGS & VBIG TYPE



Parallelism: 0.005mm/100mm
Squareness: 0.005mm/100mm



Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63605-50	VB50	S50C	287	125	100	50	50	50	150	HRC55~56°	13.5
63605-60	VB60		340	152	100	50	50	50	200		19.1

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▼ 63611

高級萬力

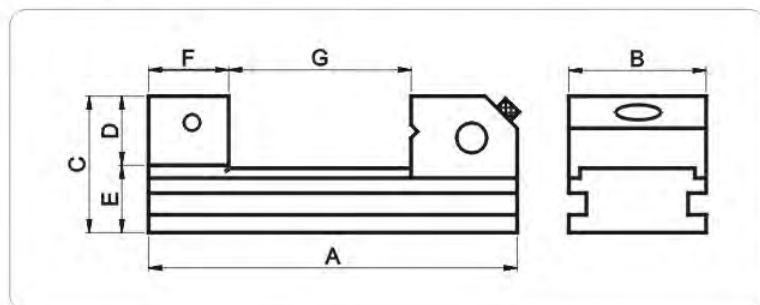
SUPER PRICISION TOOL MAKER VISE

萬力之材質採用SKS2. 長時間使用變形量少, 經久耐用, 能保證精度。

The VF tool maker vise applies new structure design that can hold certain angle of up-lifting force, easy to adjust the distance between vise and slippery block and facilitate to operation.



Parallelism: 0.005mm/100mm
Squareness: 0.005mm/100mm



Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63611-20	VC20	SKS2	135	48	42	20	22	23	62	HRC58~60°	0.9
63611-25	VC25		160	70	62	30	32	33	80		2.9
63611-30	VC30		170	73	65	32	33	35	90		3.2

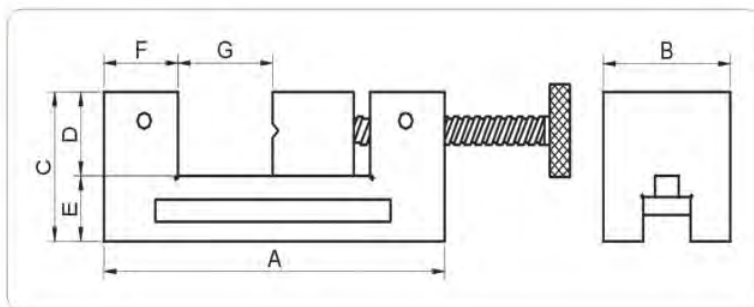
▼ **63613**

螺桿式工具萬力

TOOL MAKER VISE OF SCREW TYPE



Parallelism: 0.005mm/100mm
Squareness: 0.005mm/100mm



Unit: mm

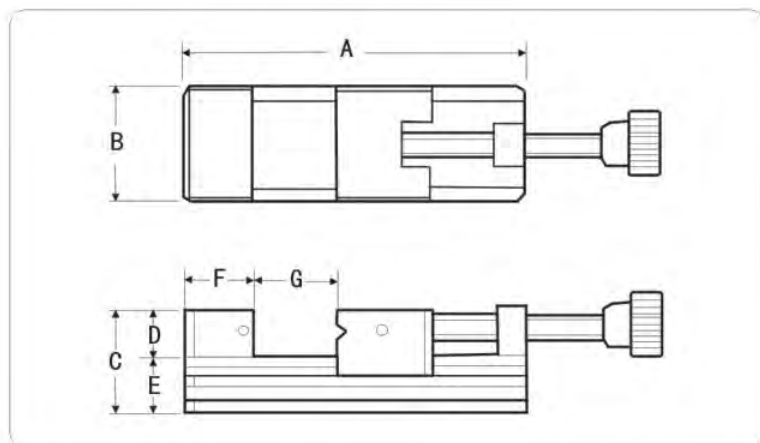
ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63613-20	VD20	SK2	155	48	54	25	29	25	60	HRC56~58°	1.9
63613-25	VD25		176	63	60	30	30	25	75		3.1
63613-30	VD30		181	73	70	30	40	30	75		4.7
63613-35	VD35		251	89	72	36	35	31	125		7.7
63613-40	VD40		250	98	73	38	35	35	125		8.9

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▼ **63615**

螺桿式工具萬力

TOOL MAKER VISE OF SCREW TYPE



Parallelism: 0.005mm/100mm
Squareness: 0.005mm/100mm

Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63615-20	VE20	SK2	90	60	50	25	25	25	30	HRC56~58°	1.5
63615-25	VE25		160	70	62	30	32	33	80		3.6
63615-30	VE30		175	73	65	32	33	35	95		4.3

▼ 63621

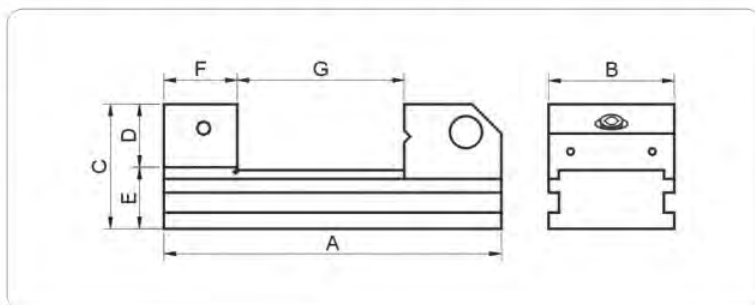
工具萬力 TOOL MAKER VISE



VF

VF工具萬力，採用新結構，使吊拉器在放鬆時仍保有一定角度的上仰力，從而可輕易的調整萬力與滑塊之間距，使操作方便。

The VF tool maker vise applies new structure design that can hold certain angle of up-lifting force, easy to adjust the distance between vise and slippery block and facilitate to operation.



Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63621-15	VF15	SK20	105	36	48	20	28	20		HRC56~58°	1.0
63621-20	VF20		150	48	53	25	35	25			2.0
63621-25	VF25		175	57	59	30	37	30			3.3
63621-30	VF30		190	73	68	35	33	35			4.6
63621-40	VF40		245	98	90	45	45	45			10.0

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▼ 63623

微型工具萬力 TOOL MAKER VISE OF SMALL TYPE

微型工具萬力適用於微小物件夾持，亦可輔助大型萬力，做雙向之夾持，確保工作夾持精度。

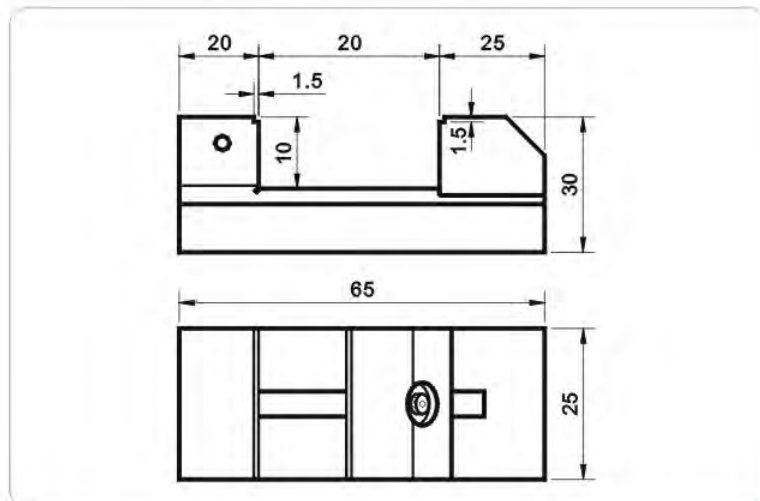
Micro tool maker vise is applied to clip tiny work pieces, or assist large vise to make two-way compound clipping and ensure the clipping precision.



V1

N. W : 0.3kg

Material: Sk2
Harden treatment up to: HRC 58°~60°
Parallelism: 0.004mm/100mm
Squareness: 0.004mm/100mm



▼ 63625

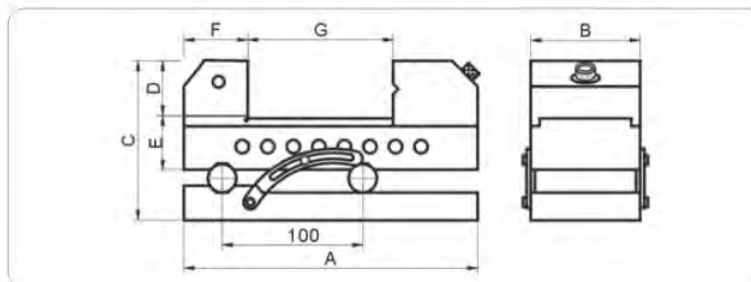
正弦萬力
SINE VISE

正弦萬力除具有工具萬力之優點外，並將正弦角之原理利用到萬力上，夾持工件可做為正弦的角度，檢查及研削加工。調整角度範圍0~46° 產品附有正弦快規換算表，隨時對照更換塊規，免除換算之麻煩。

Except holding the advantages of tool maker vise, the sine vise also can clip work piece by various angles under sine theory to check and cut the work piece; the adjustable angle range is 0~46° , sine gauge conversion table is attached to product for gauge selection.



Parallelism: 0.005mm/100mm
Squareness: 0.005mm/100mm



Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63625-20	SV20	SK2	155	48	95	30	32	30	65	HRC56~58°	3.0
63625-25	SV25		175	63	103	35	35	30	70		5.0
63625-30	SV30		180	73	103	30	33	30	75		6.0
63625-40	SV40		245	98	125	45	45	45	125		15.0

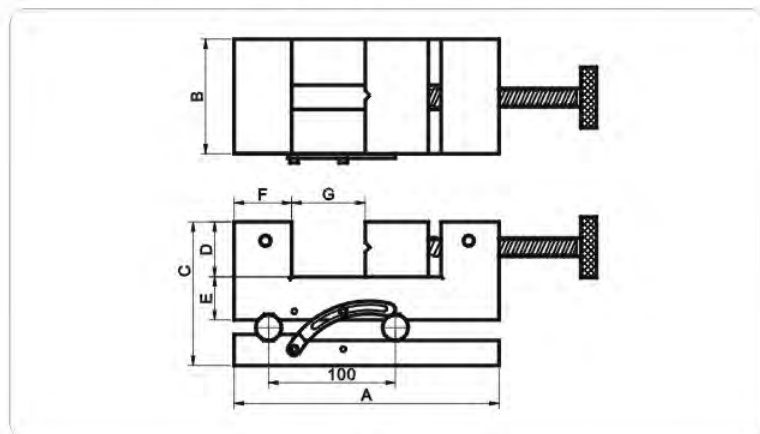
www.lincoprecision.cn

▼ 63631

螺桿式正弦萬力
SINE VISE OF SCREW TYPE



Parallelism: 0.005mm/100mm
Squareness: 0.005mm/100mm



Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63631-20	V200	SK2	155	48	93	25	35	25	60	HRC56~58°	3.5
63631-25	V250		175	63	96	30	33	25	70		5.0
63631-30	V300		180	73	103	30	40	30	75		7.0
63631-40	V400		250	98	107	38	35	35	125		15.0

▼ 63633

不銹鋼精密萬力

PRECISION VISE OF STAINLESS STEEL



VST10

N. W : 0.3kg

Material: SUS440

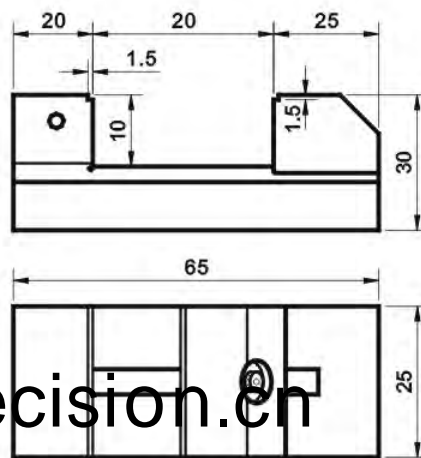
Harden treatment up to: HRC 56°~58°

Parallelism: within 0.004mm

Squareness: within 0.004mm

微型工具萬力適用於微小物件夾持，採用不銹鋼材質，所以易於保養，平行度，垂直度不超過 0.004mm 適合各種小型工件夾持加工。

The micro tool maker vise is applied to clip tiny work pieces; it is made by stainless steel, easy to maintain; the leveling and verticality are lower than 0.004mm, suitable to clip tiny work pieces of various sorts.



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▼ 63635

不銹鋼精密萬力

PRECISION VISE OF STAINLESS STEEL

採用不銹鋼材質，不生銹，保養容易，精度高。

The vise is made by stainless steel, rust-free, easy to maintain and with high precision.



VST25

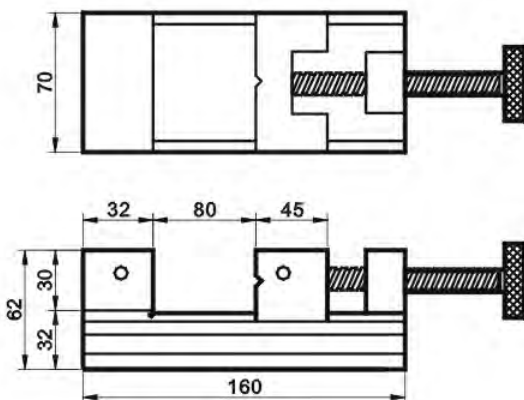
N. W : 4kg

Material: SUS440

Harden treatment up to: HRC 56°

Parallelism: within 0.005mm

Squareness: within 0.005mm



▼ **63641**

不銹鋼精密萬力

PRECISION VISE OF STAINLESS STEEL

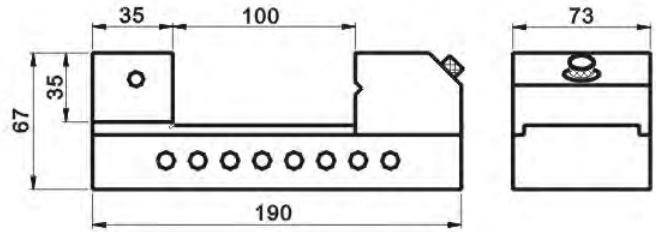
主體與滑塊採用不銹鋼脫臘鑄造，經熱處理硬化研磨后，具有高度抗氧化特性，精度高，保養容易。

The stainless-steel vise and slippery block are formed by de-wax casting process, proceeded by hardening and grinding process; anti-corrosion, high precision and easy to maintain it.



VBST30 N.W : 4kg

Material: SUS440
Harden treatmnt up to: HRC 56°~58°
Parallelism: 0.005mm/100mm
Squareness: 0.005mm/100mm



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▼ **63643**

不銹鋼精密萬力

PRECISION VISE OF STAINLESS STEEL

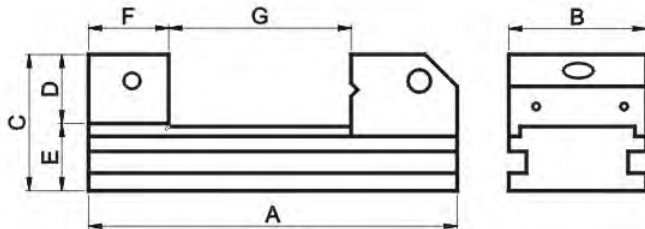
採用不銹鋼材質，不生銹，保養容易，精度高。

The vise is made by stainless steel, rust-free, easy to maintain and with high precision.



VBST200/300

N.W : 4kg
Parallelism: 0.005mm/100mm
Squareness: 0.005mm/100mm



Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63643-20	VBST200	SUS440	140	50	53	25	28	25	75	HRC55°~56°	1.8
63643-40	VBST300		180	72	62	30	32	35	100		3.8

▼ 63645

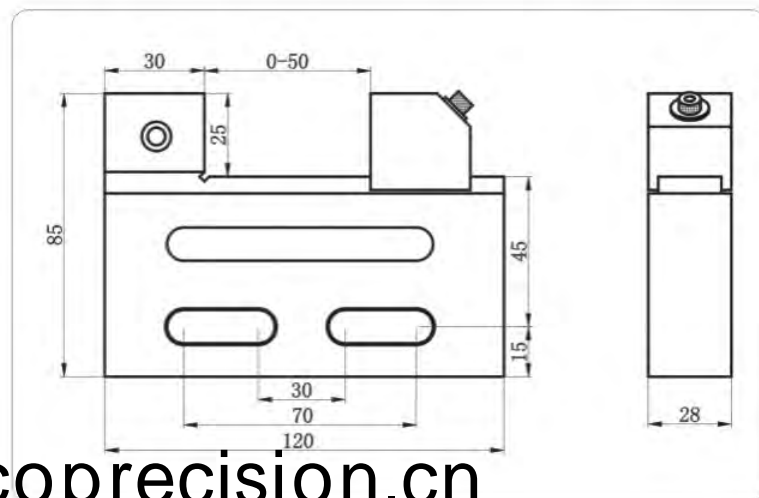
線切割萬力

TOOL MAKER VISE-EDW TYPE



零件及主體均採用不銹鋼製造，具高度抗氧化特性質。

Both vise and slippery block are made by stainless steel, good anti-corrosion capability.



WST50

N. W : 1.4kg

Material: SUS440

Harden treatmnt up to: HRC 55°

Parallelism: 0.005mm/100mm

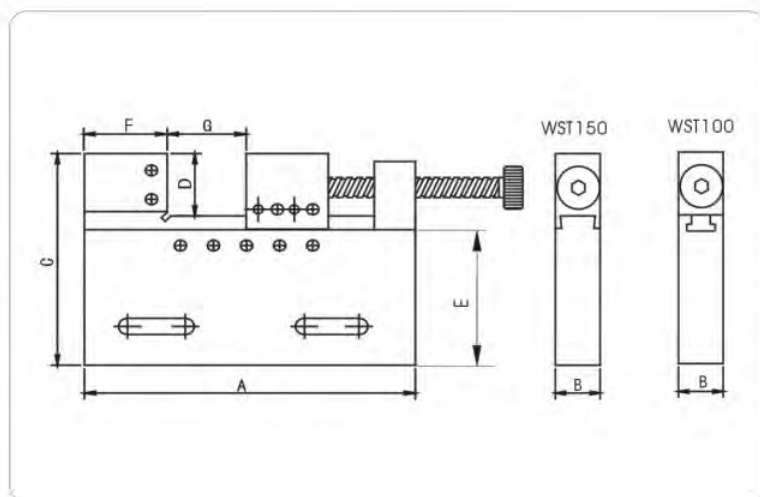
Squareness: 0.005mm/100mm

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▼ 63651

線切割萬力

TOOL MAKER VISE-EDW TYPE



WST100/150

Parallelism: 0.008mm/100mm

Squareness: 0.008mm/100mm

Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	E	F	G	HARDNESS	N.W (kg)
63651-10	WST100	SUS420	235	25	135	50	85	50	100	HRC55°	4.7
63651-15	WST150		320	25	145	60	85	60	150		6.2

▼ **63653**

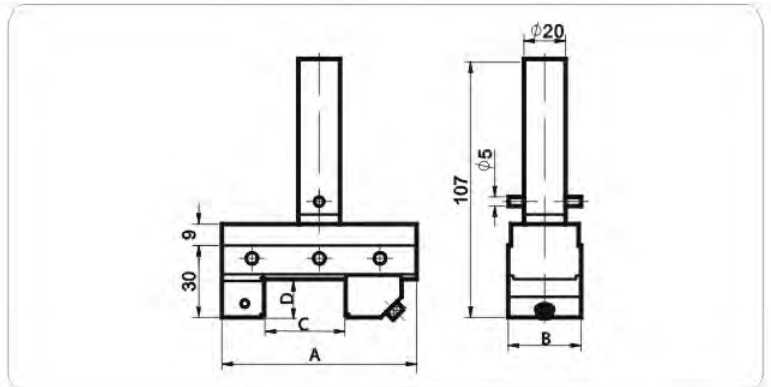
電極精密萬力
ELECTRODE HOLDERS STAINLESS



全部採用不銹鋼材質，易保養，萬力可作水平或垂直的方向改變，方便夾持電極銅，工作精度高。
The entire vise set is made by stainless steel, easy to maintain it; vise can change to either horizontal or vertical work direction, facilitate to clip pole copper. High working precision preserved.

EH20
N.W : 1.4kg

Parallelism: 0.004mm/100mm
Squareness: 0.004mm/100mm



Unit: mm

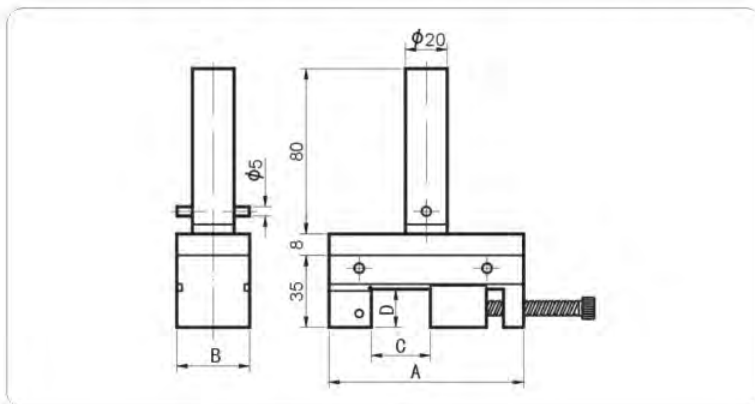
ORDER NO.	MODEL	MATERIAL	A	B	C	D	HARDNESS	N.W (kg)
63653	EH20	SUS440	65	25	20	10	HRC56~58°	0.8

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▼ **63655**

電極精密萬力
ELECTRODE HOLDERS STAINLESS

採用不銹鋼材質，螺桿式設計，更方便使用，萬力可作水平及垂直之方向夾持。
Made by stainless steel, screw design as easier to operate; can clip work piece in both horizontal and vertical directions.



EH50

Parallelism: 0.004mm/100mm
Squareness: 0.004mm/100mm

Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	HARDNESS	N.W (kg)
63655	EH50	SUS440	103	35	50	17	HRC56~58°	1.2

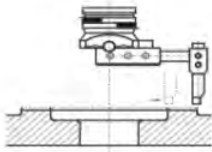
BAM



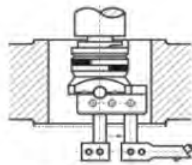
▼ 63661

全自動可調式搪孔器 UNIVERSAL FACING AND BORING HEAD

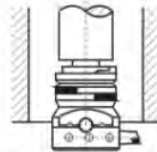
全自動可調式搪孔器包括特別的附件，可自由選擇使用性能增加，以及可自動進刀，自動退刀，自動停止，工作範圍從5mm至250mm。It is construction with precision parts, freedom of selection feeding quantity, auto feed and stop, it can move forward and backward Processing range from 5mm to 250mm.



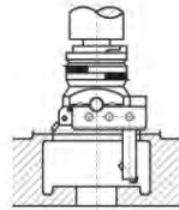
Facing of large ϕ with long boringbar holder, reinforced by rings and draw in screw.



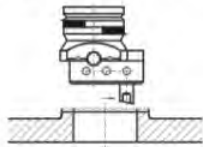
Facing of the reverse side by using boringbar holders contained in attachment.



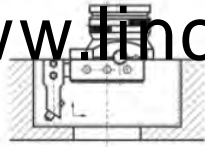
Because of the small construction of the facing and boring heads deep bores can be made. In this case the boring bit is fixed directly in the slide.



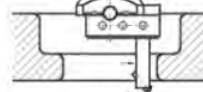
Facing in two areas with one boringbar and a boringbar holder.



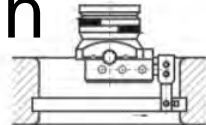
Facing with bit fixed directly in slide.



Boring and facing with short boringbar holder and a boringbar.



Boring with long boringbar

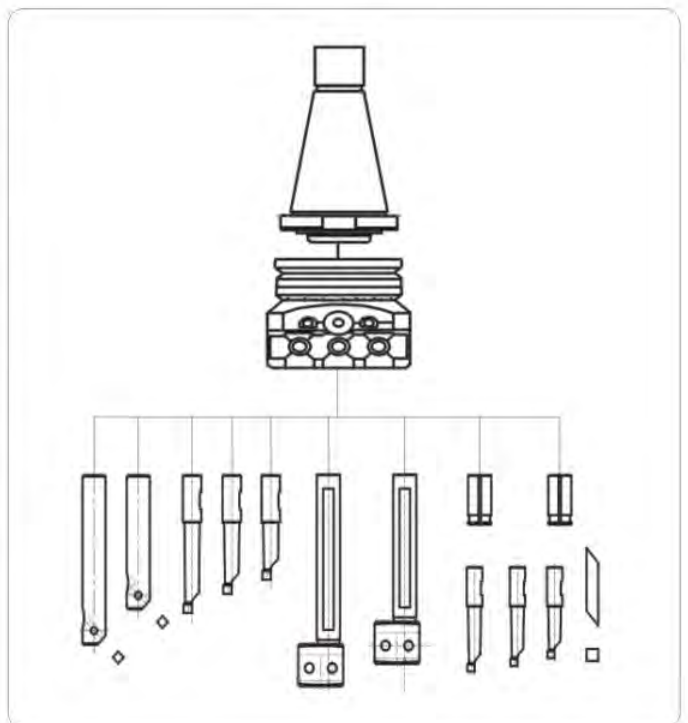


Recessing with short boringbar holder and a boringbar.

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- 套裝刀具附件如右圖：
- 可搭配多種推拔柄如下表：
- Tool kit is shown in the right figure:
- It can accommodate to many taper stems as listed below:

ORDER NO.	MODEL	SPECIFICATION	N.W (kg)
63661-02	BAM	WITHOUT SHANK	3.6
63661-04	BAM-BT40	M16×2	5.5
63661-06	BAM-BT50	M24×3	7.6
63661-08	BAM-R8	7/16"×20UNF	4.2
63661-10	BAM-NT30	M12×1.75	4.2
63661-12	BAM-NT30	1/2"×12UNC	4.2
63661-14	BAM-NT40	M16×2	4.6
63661-16	BAM-NT40	5/8"×11UNC	4.6
63661-18	BAM-NT50	M24×3	6.8
63661-20	BAM-NT50	1"×8UNC	6.8
63661-22	BAM-MT3	M12×1.75	4
63661-24	BAM-MT3	1/2"×12UNC	4
63661-26	BAM-MT4	M16×2	4.4
63661-28	BAM-MT4	5/8"×11UNC	4.4
63661-30	BAM-MT5	M24×3	5.5
63661-32	BAM-MT5	1"×8UNC	5.5



BAH



▼ **63663**

半自動可調式搪孔器

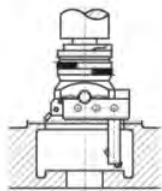
UNIVERSAL BORGING AND FACING MASTER HEAD

全自動可調式搪孔器包括特別的附件，可自由選擇使用性能增加，以及可自動進刀，自動停止，工作範圍從5mm至250mm。

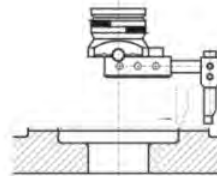
It is construction with precision parts, freedom of selection feeding quantity, auto feed and stop, Processing range from 5mm to 250mm.



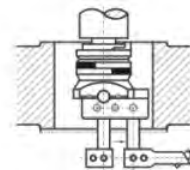
Because of the small construction of the facing and boring heads deep bores can be made. In this case the boring bit is fixed directly in the side.



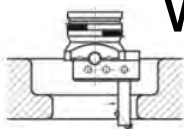
Facing in two areas with one boringbar holder.



Facing of large ϕ with long boringbar holder, reinforced by rings and draw in screw.



Facing of the reverse side by using boringbar holders contained in attachment.



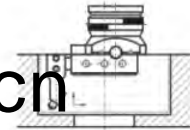
Boring with long boringbar



Recessing with short boringbar holder and boringbar.



Facing with bit fixed directly in slide.

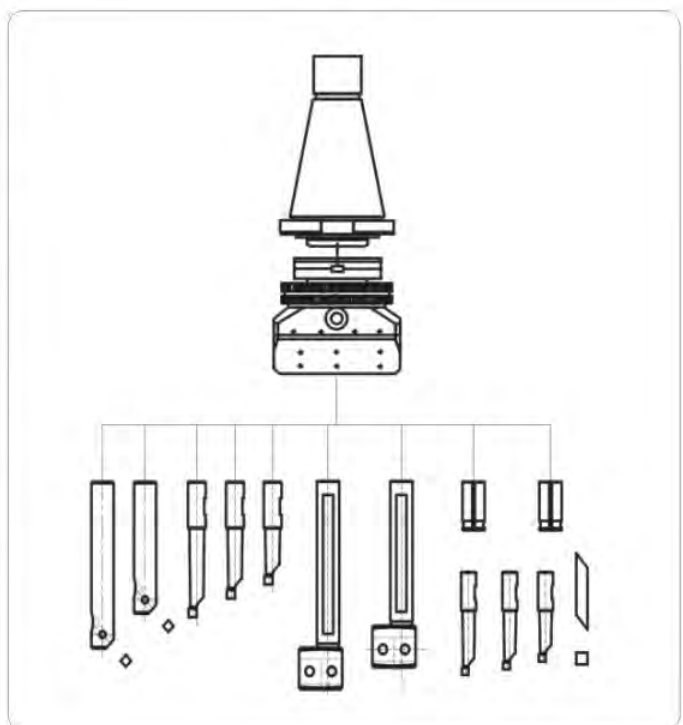


Boring and facing with short boringbar holder and a boringbar.

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- 套裝刀具附件如右圖：
- 可搭配多種推拔柄如下表：
- Tool kit is shown in the right figure:
- It can accommodate to many taper stems as listed below:

ORDER NO.	MODEL	SPECIFICATION	N.W (kg)
63663-02	BAH	WITHOUT SHANK	3.9
63663-04	BAH-BT40	M16×2	5.8
63663-06	BAH-BT50	M24×3	7.9
63663-08	BAH-R8	7/16"×20UNF	4.5
63663-10	BAH-NT30	M12×1.75	4.5
63663-12	BAH-NT30	1/2"×12UNC	4.5
63663-14	BAH-NT40	M16×2	4.9
63663-16	BAH-NT40	5/8"×11UNC	4.9
63663-18	BAH-NT50	M24×3	7.1
63663-20	BAH-NT50	1"×8UNC	7.1
63663-22	BAH-MT3	M12×1.75	4.3
63663-24	BAH-MT3	1/2"×12UNC	4.3
63663-26	BAH-MT4	M16×2	4.7
63663-28	BAH-MT4	5/8"×11UNC	4.4
63663-30	BAH-MT5	M24×3	5.8
63663-32	BAH-MT5	1"×8UNC	5.8





▼ 63665

可調式搪孔器 BORING HEAD

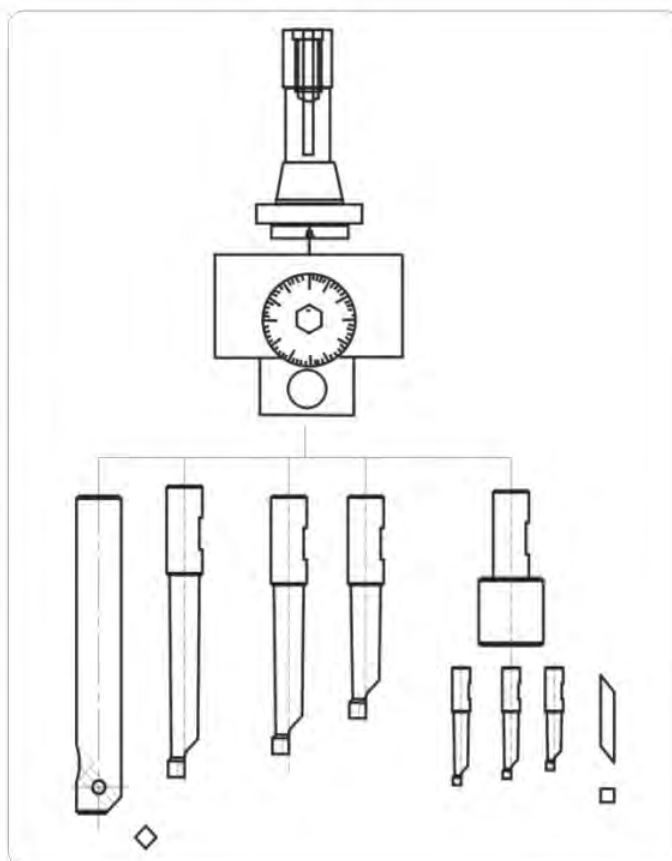


- BA型搪孔頭功能尺寸：
- 最小搪孔直徑 $\varnothing 10\text{mm}$
- 最大搪孔直徑 $\varnothing 250\text{mm}$
- 最大搪孔深度120mm
- 游標尺每刻畫為0.01mm
- Easily operate convenient use push handle can be replaced at any moment suitable to any type of drilling machine, rotary armed drill, boring machine and complex machines etc.
- Processing range: minimum boring diameter of hole 10mm maximum boring diameter hole 250mm.
- Feeding quantity cutter of every scale of 0.01mm. Will proceed 0.02mm.
- Quality guarantee, teeth or screw are finished with SCM steel rubbed after heat treatment.
- Absolutely guarantee the durability for wearing and the accuracy.

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- 套裝刀具附件如右圖：
- 可搭配多種推拔柄如下表：
- Tool kit is shown in the right figure:
- It can accommodate to many taper stems as listed below:

ORDER NO.	MODEL	SPECIFICATION	N.W (kg)
63665-02	BA	WITHOUT SHANK	3
63665-04	BA-BT40	M16×2	4.9
63665-06	BA-BT50	M24×3	7
63665-08	BA-R8	7/16"×20UNF	3.6
63665-10	BA-NT30	M12×1.75	3.6
63665-12	BA-NT30	1/2"×12UNC	3.6
63665-14	BA-NT40	M16×2	4
63665-16	BA-NT40	5/8"×11UNC	4
63665-18	BA-NT50	M24×3	6.2
63665-20	BA-NT50	1"×8UNC	6.2
63665-22	BA-MT3	M12×1.75	3.4
63665-24	BA-MT3	1/2"×12UNC	3.4
63665-26	BA-MT3	BORINGBAR	3.4
63665-28	BA-MT4	M16×2	3.8
63665-30	BA-MT4	5/8"×11UNC	3.8
63665-32	BA-MT4	BORINGBAR	3.8
63665-34	BA-MT5	M24×3	4.9
63665-36	BA-MT5	1"×8UNC	4.9
63665-38	BA-MT5	BORINGBAR	4.9
63665-40	BA- $\varnothing 20$	$\varnothing 20 \times 60$	3.4





▼ **63671**

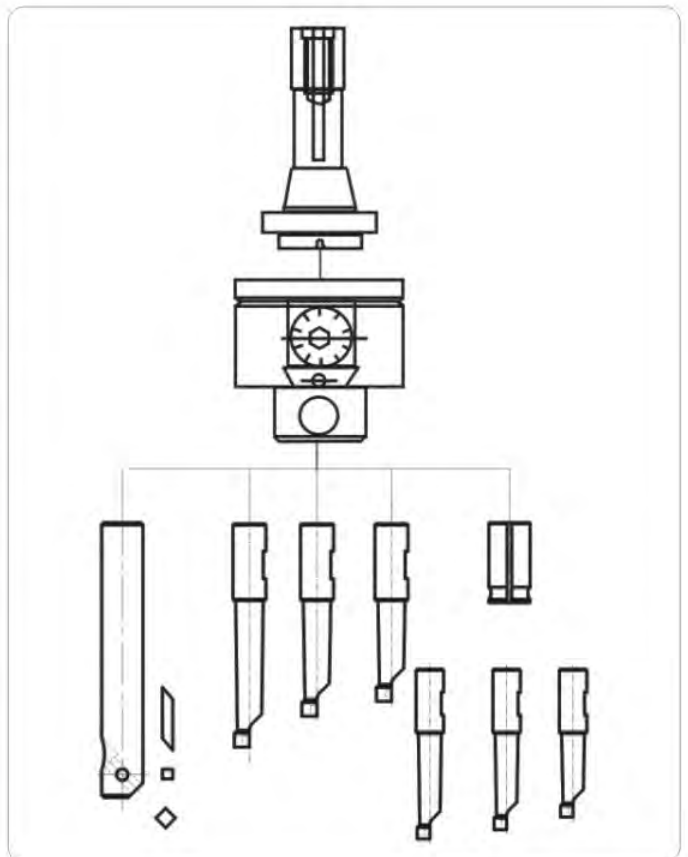
可調式搪孔器
BORING HEAD

- BB型搪孔頭功能尺寸：
- 最小搪孔直徑 $\varnothing 10\text{mm}$
- 最大搪孔直徑 $\varnothing 250\text{mm}$
- 最大搪孔深度120mm
- 游標尺每刻畫為0.01mm
- Easily operate convenient use push handle can be replaced at any moment suitable to any type of drilling machine, rotary armed drill, boring machine and complex machines etc.
- Processing range: minimum boring diameter of hole 10mm maximum boring diameter hole 250mm.
- Feeding quantity cutter of every scale of 0.01mm. Will proceed 0.02mm.
- Quality guarantee, teeth or screw are finished with SCM steel rubbed after heat treatment.
- Absolutely guarantee the durability for wearing and the accuracy.

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- 套裝刀具附件如右圖：
- 可搭配多種推拔柄如下表：
- Tool kit is shown in the right figure:
- It can accommodate to many taper stems as listed below:

ORDER NO.	MODEL	SPECIFICATION	N.W (kg)
63671-02	BB	WITHOUT SHANK	3.5
63671-04	BB-BT40	M16×2	5.2
63671-06	BB-BT50	M24×3	7.8
63671-08	BB-R8	7/16"×20UNF	4.2
63671-10	BB-NT30	M12×1.75	4
63671-12	BB-NT30	1/2"×12UNC	4
63671-14	BB-NT40	M16×2	4.4
63671-16	BB-NT40	5/8"×11UNC	4.4
63671-18	BB-NT50	M24×3	7.3
63671-20	BB-NT50	1"×8UNC	7.3
63671-22	BB-MT3	M12×1.75	4
63671-24	BB-MT3	1/2"×12UNC	4
63671-26	BB-MT3	BORINGBAR	4.1
63671-28	BB-MT4	M16×2	4.4
63671-30	BB-MT4	5/8"×11UNC	4.4
63671-32	BB-MT4	BORINGBAR	4.4
63671-34	BB-MT5	M24×3	5.8
63671-36	BB-MT5	1"×8UNC	5.8
63671-38	BB-MT5	BORINGBAR	5.8
63671-40	BB- $\varnothing 20$	$\varnothing 20 \times 60$	4.2



BC3

63673

可調式搪孔器 BORING HEAD

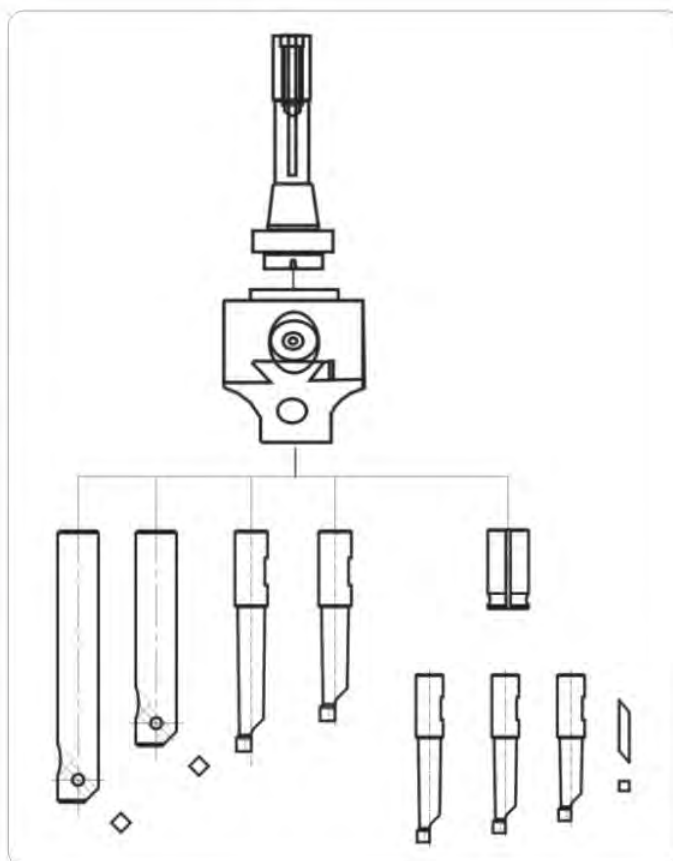


- BC3型搪孔頭功能尺寸:
- 最小搪孔直徑 $\varnothing 10\text{mm}$
- 最大搪孔直徑 $\varnothing 250\text{mm}$
- 最大搪孔深度120mm
- 游標尺每刻畫為0.01mm
- Easily operate convenient use push handle can be replaced at any moment suitable to any type of drilling machine, rotary armed drill, boring machine and complex machines etc.
- Processing range: minimum boring diameter of hole 10mm maximum boring diameter hole 250mm.
- Feeding quantity cutter of every scale of 0.01mm. Will proceed 0.02mm.
- Quality guarantee, teeth or screw are finished with SCM steel rubbed after heat treatment.
- Absolute guarantee the durability for wearing and the accuracy.

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- 套裝刀具附件如右圖:
- 可搭配多種推拔柄如下表:
- Tool kit is shown in the right figure:
- It can accommodate to many taper stems as listed below:

ORDER NO.	MODEL	SPECIFICATION	N.W (kg)
63673-02	BC3	WITHOUT SHANK	2.7
63676-04	BC3-BT40	M16×2	4.6
63673-06	BC3-BT50	M24×3	6.7
63673-08	BC3-R8	7/16"×20UNF	3.3
63673-10	BC3-NT30	M12×1.75	3.3
63673-12	BC3-NT30	1/2"×12UNC	3.3
63673-14	BC3-NT40	M16×2	3.9
63673-16	BC3-NT40	5/8"×11UNC	3.9
63673-18	BC3-NT50	M24×3	6
63673-20	BC3-NT50	1"×8UNC	6
63673-22	BC3-MT3	M12×1.75	3.2
63673-24	BC3-MT3	1/2"×12UNC	3.2
63673-26	BC3-MT3	BORINGBAR	3.2
63673-28	BC3-MT4	M16×2	3.6
63673-30	BC3-MT4	5/8"×11UNC	3.6
63673-32	BC3-MT4	BORINGBAR	3.6
63673-34	BC3-MT5	M24×3	4.8
63673-36	BC3-MT5	1"×8UNC	4.8
63673-38	BC3-MT5	BORINGBAR	4.9
63673-40	BC3- $\varnothing 20$	$\varnothing 20 \times 60$	3.1



BC2



▼ 63675

**可調式搪孔器
BORING HEAD**

- BC2型搪孔頭功能尺寸：
- 最小搪孔直徑 $\varnothing 10\text{mm}$
- 最大搪孔直徑 $\varnothing 180\text{mm}$
- 最大搪孔深度120mm
- 游標尺每刻畫為0.01mm
- WORK RANGE:
- Mini boring diameter 10mm
- Maxi boring diameter $\varnothing 180\text{mm}$
- Maxi boring depth 50mm

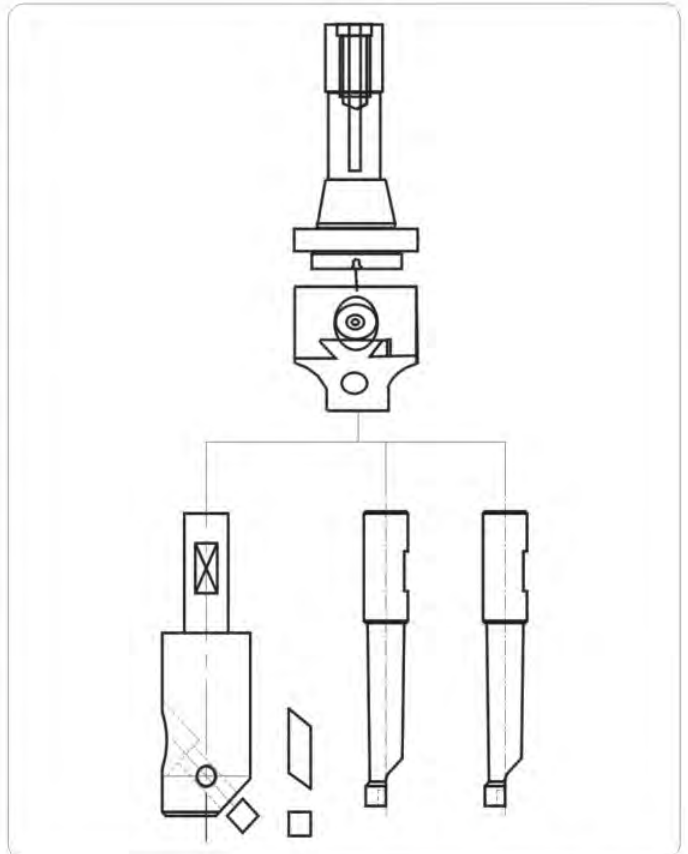
BC2型搪孔頭可搭配多種推拔柄使用，但就裝配，操作之便利性，首推 $\varnothing 20$ 直柄為最佳配備

The type B02 boring head can cooperate with taper stem of many sorts; for easier assembly and convenient operation, the best option is $\varnothing 20$ straight-stem taper.

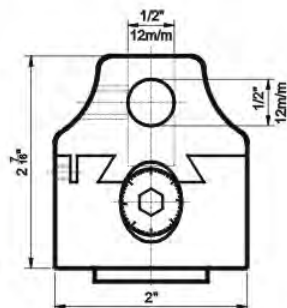
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- 套裝刀具附件如右圖：
- 可搭配多種推拔柄如下表：
- Tool kit is shown in the right figure:
- It can accommodate to many taper stems as listed below:

ORDER NO.	MODEL	SPECIFICATION	N.W (kg)
63675-02	BC2	WITHOUT SHANK	0.7
63675-04	BC2-BT40	M16×2	2.6
63675-06	BC2-BT50	M24×3	4.7
63675-08	BC2-R8	7/16"×20UNF	1.3
63675-10	BC2-NT30	M12×1.75	1.3
63675-12	BC2-NT30	1/2"×12UNC	1.3
63675-14	BC2-NT40	M16×2	1.9
63675-16	BC2-NT40	5/8"×11UNC	1.9
63675-18	BC2-NT50	M24×3	2
63675-20	BC2-NT50	1"×8UNC	2
63675-22	BC2-MT3	M12×1.75	1.2
63675-24	BC2-MT3	1/2"×12UNC	1.2
63675-26	BC2-MT3	BORINGBAR	1.2
63675-28	BC2-MT4	M16×2	1.6
63675-30	BC2-MT4	5/8"×11UNC	1.6
63675-32	BC2-MT4	BORINGBAR	1.6
63675-34	BC2-MT5	M24×3	2.8
63675-36	BC2-MT5	1"×8UNC	2.8 </td
63675-38	BC2-MT5	BORINGBAR	2.9
63675-40	BC2- $\varnothing 20$	$\varnothing 20 \times 60$	1.0



BC2



▼ 63681

可調式搪孔頭 BORING HEAD

搪孔最大孔徑 $\varnothing 180\text{mm}$
公制游標尺每一刻畫為0.005mm

Here is a small boring head that will be in constant demand in any shop. Note the wide base bearing surface that assures maximum rigidity even when the bar holder is in an off-set position. This wide base design is a recent criterion. Innovation that increases bearing surfaces by 50% over the older models.

A choice of 1/2" double hole bar holder with a 1/2" cross hole is available. The unit has a 7/8-20 threaded back and also features a direct reading dial screw.

ORDER NO.	MODEL	ACTUAL SIZE	OVERALL LENGTH	BORING BAR HOLE SIZE	CENTER DIST BETWEEN HOLES	CROSS HOLEDIA	OFFSET	N.W (kg)
63681-01	BC2 inch	2"	2-7/16"	1/2"	5/8"	1/2"	5/8"	0.5
63681-03	BC2 mm	50	62	12	15	12	15	0.5

▼ 63683

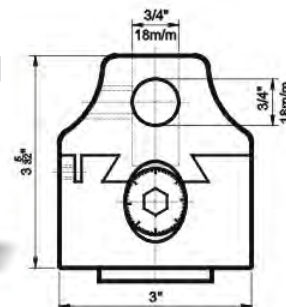
可調式搪孔頭 BORING HEAD

搪孔最大孔徑 $\varnothing 250\text{mm}$
公制游標尺每一刻畫為0.01mm

Here is a sturdy unit of extended boring range capable of peeling off heavy roughing cuts as well as a tool extreme sensitivity. The use of a wide base bar holder, resting securely on the body, eliminates the need for a separate side plate. You will note this has now become an integral part of the body.

The direct reading adjusting screw is ground after hardening and a have threaded backs for use with a variety of shanks. This model takes reading and adjustments of .0005 or less. All Criterion Boring Heads plainly marked dial face in nonreflecting satin chrome allows easy a 1-1/2"-18 threaded shank.

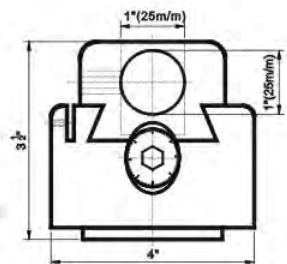
BC3



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ORDER NO.	MODEL	ACTUAL SIZE	OVERALL LENGTH	BORING BAR HOLE SIZE	CENTER DIST BETWEEN HOLES	CROSS HOLEDIA	OFFSET	N.W (kg)
63683-01	BC3 inch	3"	3-5/32"	3/4"	15/16"	3/4"	1"	2
63683-03	BC3 mm	75	80	18	23	18	25	2

BC4



▼ 63685

可調式搪孔頭 BORING HEAD

使用160mm長的搪孔杆，搪孔直徑可達 $\varnothing 480\text{mm}$
公制游標尺每一刻畫為0.01mm

This is a bigger boring head which can be put on a large machine to process more as you want. The radius of boring hold can reach on about $\varnothing 400\text{mm}$ long by a boring bar of 160mm.

ORDER NO.	MODEL	ACTUAL SIZE	OVERALL LENGTH	BORING BAR HOLE SIZE	CENTER DIST BETWEEN HOLES	CROSS HOLEDIA	OFFSET	N.W (kg)
63685-01	BC4 inch	4"	3-1/2"	1"	1-1/4"	1"	1"	4
63685-03	BC4 mm	100	90	25	32	25	25	4

▼ 63691

搪孔器刀具
BORING TOOL

搪孔刀 / BORING CUTTE

ORDER NO.	D	C	B	L	N.W (kg)	USE
63691-01	10	30	Ø9	77	0.036	For. BC3. BB. BAM. BAH. BA
63691-03	10	30	Ø9	70	0.032	
63691-05	10	30	Ø9	62	0.03	
63691-07	12	28	Ø11	70	0.043	For. BC2
63691-09	16	45	Ø14	120	0.143	FOR. BA
63691-11	16	45	Ø14	95	0.1	
63691-13	16	45	Ø14	85	0.091	
63691-15	18	45	Ø15	120	0.18	For. BC3. BB. BAM. BAH
63691-17	18	45	Ø15	95	0.14	
63691-19	18	45	Ø15	85	0.11	

搪孔杆 / BORING STEM

ORDER NO.	D	B	A	L	N.W (kg)	USE
63691-21	12	6.4	30	70.0	0.096	For.BC2
63691-23	16	6.4	120		0.187	For.BA
63691-25	18	6.4	120		0.227	For.BC3.BB.BAM.BAH

搪孔刀套 / BORING CUTTER SHEAT

ORDER NO.	D	H	d	B	L	N.W (kg)	USE
63691-27	16	24	10	30	50	0.095	For.BA

搪孔刀筒夾 / BORING CUTTER SLEEVE CLI

ORDER NO.	D	h	L	N.W (kg)	USE
63691-29	18	8	35	0.049	For.BAM.BAH
63691-31	18	10	35	0.045	For.BC3.BB.BAM.BAH
63691-33	18	12	35	0.037	For.BAM.BAH
63691-35	18	14	35	0.026	For.BAM.BAH

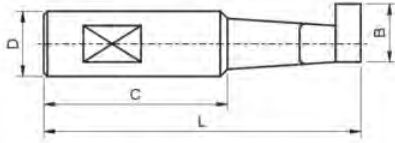
白車刀 / WHITE TURNING TOO

ORDER NO.	N.W (kg)	USE
63691-37	0.012	For.BC2.BC3.BA.BB.BAM.BAH

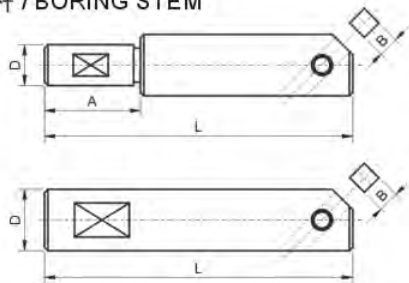
搪孔杆 / BORING STEM

ORDER NO.	L1	L	N.W (kg)	USE
63691-39	80	110	0.2	For.BAM.BAH
63691-41	120	150	0.3	For.BAM.BAH

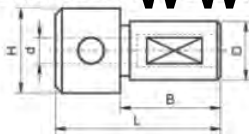
搪孔刀 / BORING CUTTE



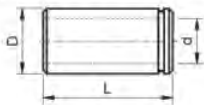
搪孔杆 / BORING STEM



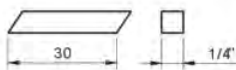
搪孔刀套 / BORING CUTTER SHEAT



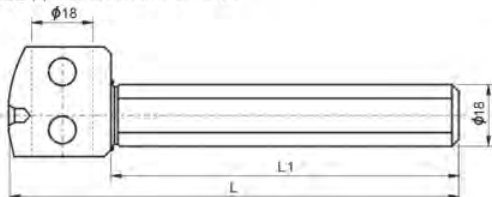
搪孔刀筒夾 / BORING CUTTER SLEEVE CLI



白車刀 / WHITE TURNING TOO



搪孔杆 / BORING STEM



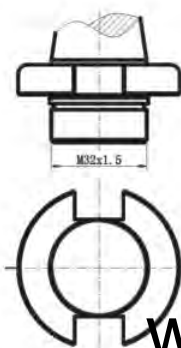
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63693

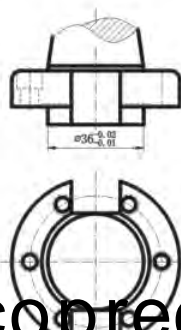
推拔柄 BORING HEAD SHANK



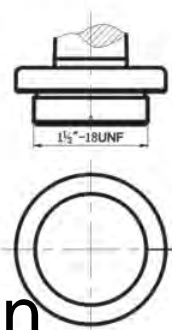
- A型推拔柄用於BA型搪孔頭
- B型推拔柄用於BB.BAM.BAH型搪孔頭
- C型推拔柄用於BC2.BC3.BC4型搪孔頭
- Type-A taper stem is applied to type-BA boring heads.
- Type-B taper stem is applied to type-BB, BAM & BAH boring heads.
- Type-C taper stem is applied to type-BC2, BC3 & BC4 boring heads.



A-TYPE



B-TYPE



C-TYPE

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Unit: mm

ORDER NO.			MODEL	SPECIFICATION	N.W (kg)		
A-TYPE	B-TYPE	C-TYPE			A-TYPE	B-TYPE	C-TYPE
63693-01	63693-26	63693-51	BT-40	M16×2	1.9	1.7	1.9
63693-02	63693-27	63693-52	BT-40	M24×3	4.0	4.3	4.0
63693-03	63693-28	63693-53	R8	7/16"×20UNF	0.6	0.7	0.6
63693-04	63693-29	63693-54	NT30	M12×1.75	0.6	0.5	0.6
63693-05	63693-30	63693-55	NT30	1/2"×12UNC	0.6	0.5	0.6
63693-06	63693-31	63693-56	NT40	M16×2	1.0	0.9	1.2
63693-07	63693-32	63693-57	NT40	5/8"×11UNC	1.0	0.9	1.2
63693-08	63693-33	63693-58	NT50	M24×3	3.2	3.8	3.3
63693-09	63693-34	63693-59	NT50	1"×8UNC	3.2	3.8	3.3
63693-10	63693-35	63693-60	MT2	M10×1.5	0.3	0.4	0.4
63693-11	63693-36	63693-61	MT2	3/8"×16UNC	0.3	0.4	0.4
63693-12	63693-37	63693-62	MT3	M12×1.75	0.4	0.5	0.5
63693-13	63693-38	63693-63	MT3	1/2"×12UNC	0.4	0.5	0.5
63693-14	63693-39	63693-64	MT3	BORING BAR	0.4	0.6	0.5
63693-15	63693-40	63693-65	MT4	M16×2	0.8	0.9	0.9
63693-16	63693-41	63693-66	MT4	5/8"×11UNC	0.8	0.9	0.9
63693-17	63693-42	63693-67	MT4	BORING BAR	0.8	0.9	0.9
63693-18	63693-43	63693-68	MT5	M24×3	1.9	2.3	2.1
63693-19	63693-44	63693-69	MT5	1"×8UNC	1.9	2.3	2.1
63693-20	63693-45	63693-70	MT5	BORING BAR	1.9	2.3	2.2
63693-21	63693-46	63693-71	Ø 20	Ø 20×60	0.4	0.7	2.4

▼ 63695

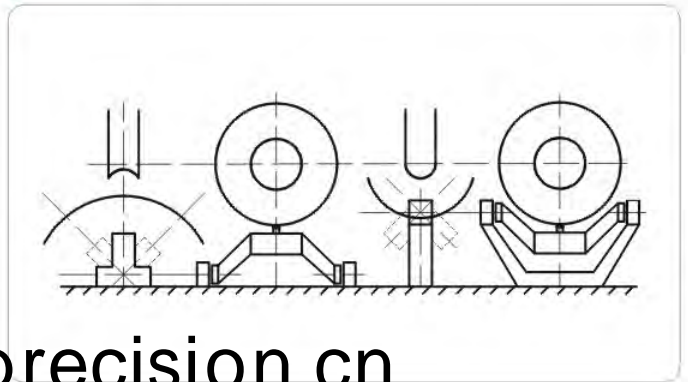
砂輪R型修整器

TANGIMTIC DRESSER



TDA
N. W :6kg

- R型修整器用於平面磨床上，直徑8英寸以下之砂輪R成型，工作範圍：
- 凸R=0-40R
- 凹R=0-90R
- Type-R trimmer is applied to plane grinder to trim type-R grinding wheel in a diameter of 8" and smaller; the work scope includes:
- Raised type: R=0-40R
- Concaved type: R=0-90R



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▼ 63711

砂輪成型器

RADIUS AND ANGLE DRESSER

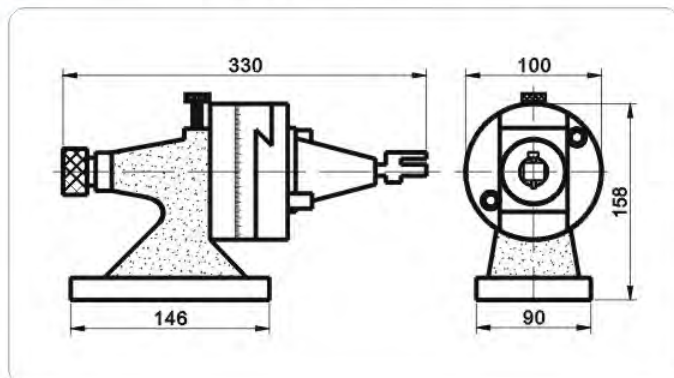
- 砂輪成型器適用於平面磨床上，砂輪直徑10英寸以下的任何角度及凸凹R成型工作範圍：
- 修整凸R範圍0.8-40R
- 修整凹R範圍0-40R
- 左右行程各40mm

The trimmer is applied to plane grinder to trim grinding wheels, 10" \varnothing and smaller, under any angle, and form raised/concaved R; the work scope is:

- Trim raised R in the range of 0.8-40R
- Trim raised R in the range 0-40R
- 40mm stroke in both left/right directions.



TDB
N. W :10.5kg





TDC
N. W :6kg

計算公式(Calculation Formulars)

$H=L=0R$ ($H=L=0R$)

修整凸圓弧: $H=L+R$ (To dress convex arc surface: $H=L+R$)

修整凹圓弧: $H=L-R$ (To dress concave arc surface: $H=L-R$)

H-量準梢外母綫間的距離 (H-distance between outer generating lines of two locating pins.)

R-所需修整圓弧之半徑 (R-Radius of the arc surface to be dressed.)

L-金鋼刀刀尖至基準板的距離 (L-distance from tip of diamond cutter to base plate.)

主要參數(Main parameters)

中心高(Center height)	165mm
測量準梢直徑(Measuring quast-plndia)	Ø10mm
金鋼刀擺動最大距離(Max. swingdistanceofdiamondcutor)	± 20mm
修整砂輪最大直徑(Max. wheel diameter)	Ø 200mm
轉盤刻度讀數精度(Reading accuracy of turret index)	5°
進給最大移動量(Max. translation of feed)	20mm
推給手柄刻度每格(Feed per dvlvelon of handle ecale)	0.02mm

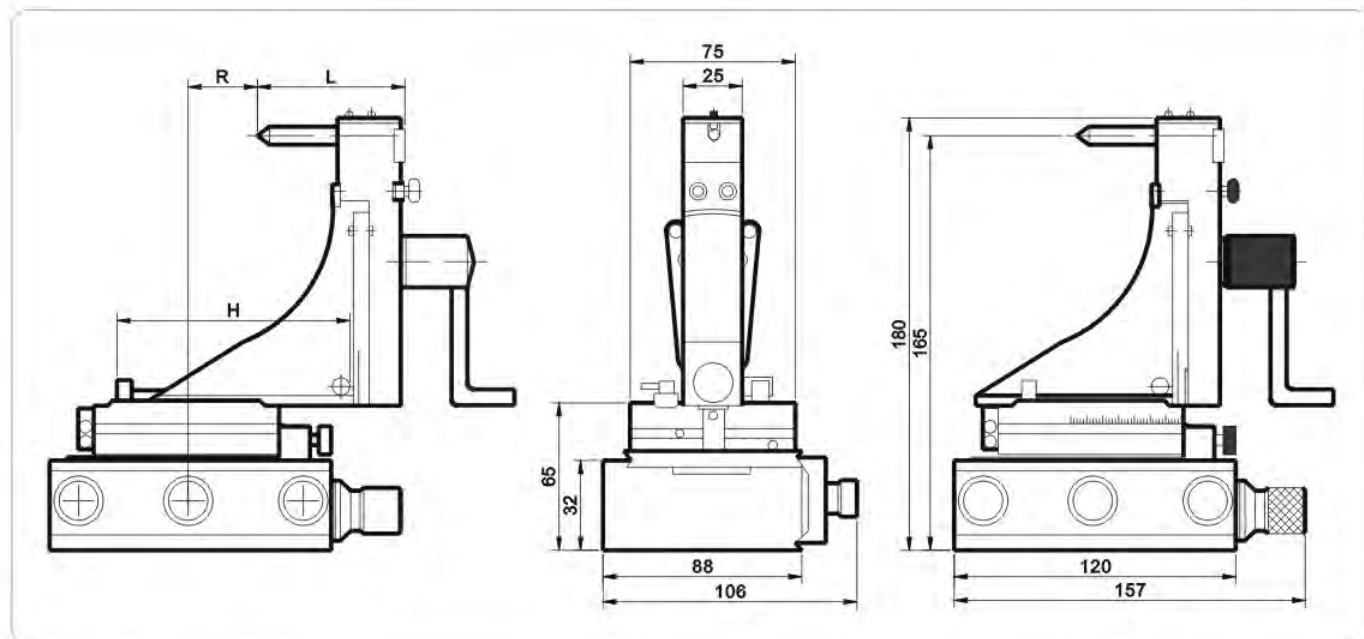
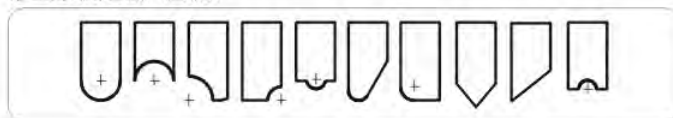
▼ **63713**

萬能砂輪R型修整器 UNIVERSAL WHEEL DRESSER

- 這是一個極精密的砂輪修整器，可作砂輪任何角度、任何凸凹之修整，且更可用於圓筒磨床上之砂輪修整。
- 不需要移動標準頭來修角度。
- 角度是由修好圓弧后，持續推動手把而成。
- 精度、迅速重復修整。
- 可做出幹淨、精密的砂輪外型，免去重復記號，沒有此一設備，無法修出完美的復合角度及圓弧。
- 精密、鋒利的輪廓。
- 凹R或凸R在180度內可以有0.003mm精度取得。
- 凸R的範圍-0R~76.2R
- 凹R的範圍-0.8R~88.9R
- Extremely precise grinding wheel trimmer, applied to trim any angle or uneven of grinding wheel; or trim the grinding wheel installed in cylinder grinder.
- No need to move the standard head to adjust trimming angle.
- The angle is formed by constantly pushing the handle after round arc is fixed.
- Can trim precisely, rapidly and repeatedly.
- Can make clean and precise trim to grinding wheel outline, no repeat mark required; no perfect compound angle and arc can be made without using this equipment.
- Precise and sharp filing scheme.
- 0.003 precision can be acquired within 180 degrees of both raised / concaved R.
- Range of raised R: 0R~76.2R
- Range of concaved R: 0.8R~88.9R

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修整砂輪之截面圖例:



▼ 63715

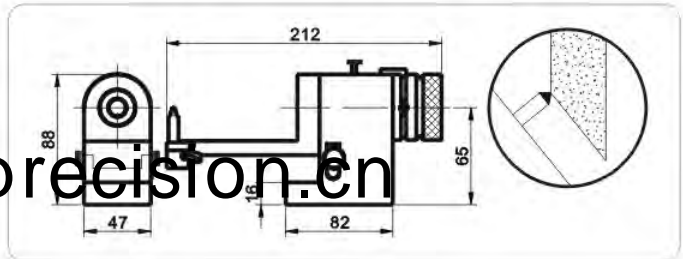
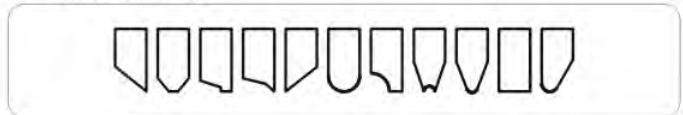
光學透視萬能砂輪修整器
VISUAL RADIUS ANGLE DRESSER



TDD N. W : 3.2kg

- 光學透視萬能砂輪修整器，主要用於平面磨床和萬能工具磨床砂輪的角度和圓弧的組合修整，通過四倍的光學透鏡，可觀察到金剛筆尖與砂輪表面的接觸情況，配合塊規與YCT的磁性正弦規更可以達到無比精準。
- The optic-transparency universal grinding wheel trimmer is mainly applied to trim the combination of angle and arc of grinding wheels equipped to plane grinder and universal tool grinder; by means of 4X optic lens, operator can observe the contacting status of cutting pen tip and grinding wheel surface; and by using blocking gauge and YCT magnetic sine gauge, the trimming precision is extraordinarily outstanding.

修整砂輪之截面圖例：



主要參數(Main parameters)

中心高(Center height)	65mm
最大修整砂輪直徑(Max. wheel diameter)	Ø 205mm
最大凸弧半徑(Max. convex radius)	R13mm
最大凹弧半徑(Max. concave radius)	R15.4mm
修整角度(Dressing angle)	95° -0° -95°
滑塊行程(Tangential travel)	22.5mm

www.lincoprecision.cn

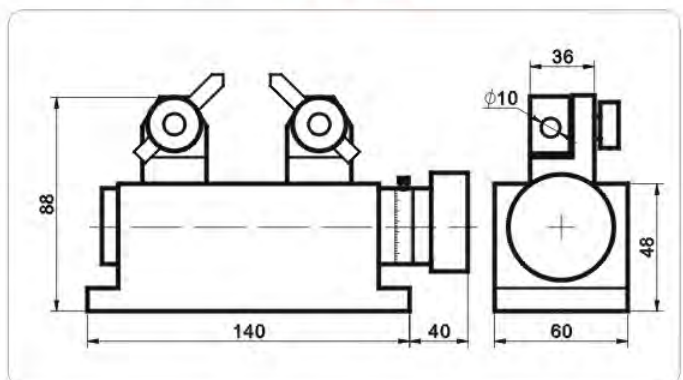
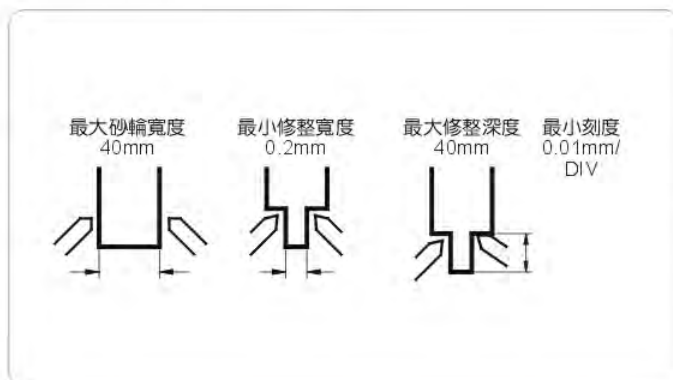
▼ 63721

雙邊砂輪修整器
PRECISION DUPLEX DRESSER

- 砂輪雙邊修整器，利用正反螺桿的設計，轉動單一的調整手輪，便能執行砂輪兩面的同步進刀修整。選擇優良的鑽石修刀，及適當砂輪，砂輪最薄修整厚度0.2mm。
- The two-side trimmer has applied the two-direction turning design to trim both sides of grinding wheel by concurrent feeding. It has applied excellent diamond cutter and suitable trimming wheel to work; the thinnest trimming thickness of grinding wheel is 0.2mm.



TDE N. W : 2.2kg



▼ 63723

鑽石砂輪修整器

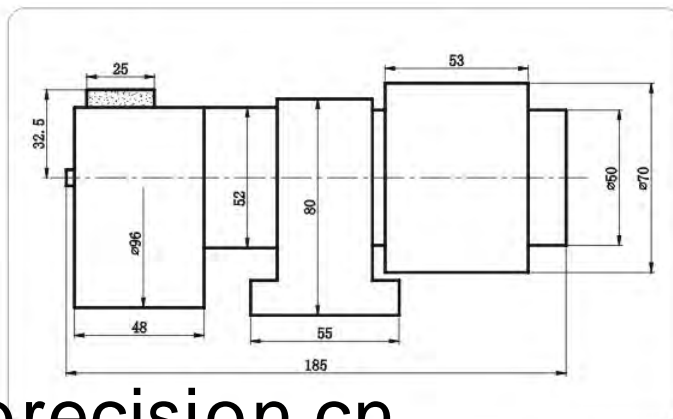
DIAMONDA CBN FLAT WHEEL TRUER



- 利用鑽石砂輪與修整器的樹脂砂輪，結合轉動差，進行修整砂輪，可獲得高精度穩定的修整結果。
- The resin grinding wheel uses diamond grinding wheel and trimmer and combines turning difference to trim grinding wheel work piece; it can acquire precise and stable trimming result in response.



N. W : 4.2kg



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▼ 63733

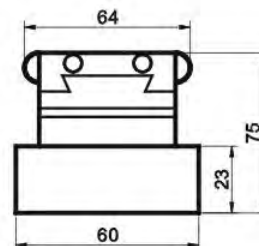
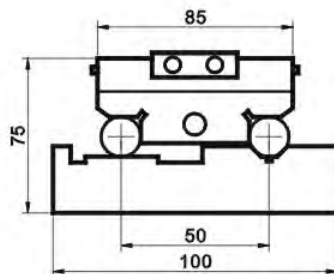
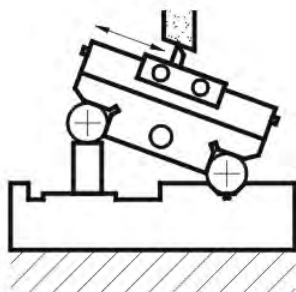
砂輪角度修整器

ANGLE SINE DRESSER

- 從0~60° 皆可任意修整，最大行程65mm。結構可靠，精準度高，取下滑塊，并可做為正弦規使用。
- The trimming range is for any angle within 0~60° , the maximum moving stroke is 65mm. Reliable structure and high precision; after the slippery block is removed, the trimmer can be applied as a sine gauge.



N. W : 1.8kg



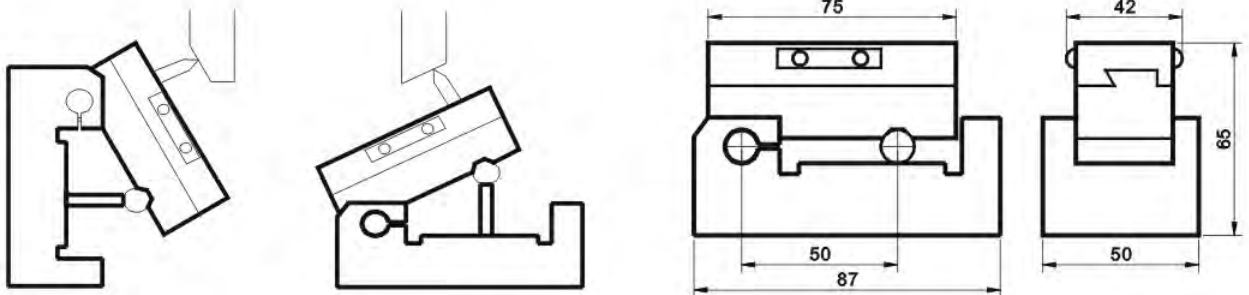


▼ **63731**

砂輪角度修整器
ANGLE SINE DRESSER

50B
N. W : 1.1kg

- 砂輪角度修整器，改良定位鎖緊裝置，方便使用，最大行程60mm取下滑塊，并可做為正弦規使用。
- Grinding wheel angle trimmer; the improved positioning locking device is convenient in operation; the maximum moving stroke is 60mm; after the slippery block is removed, the trimmer can be applied as a sine gauge.



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▼ **63733**

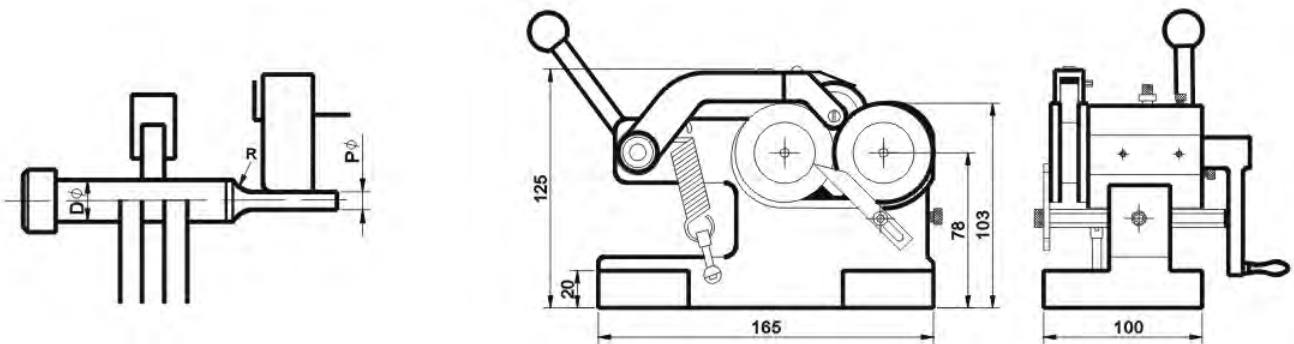
沖子研磨器
PUNCH GRINDER

- 沖子研磨器是修改或生產沖頭的利器。
- 在平面磨床上工作，無需調整，即可獲得0.005mm以內的同軸度。
- 夾持研磨範圍 $\phi 3 \sim \phi 30$ ，伸出研磨長度35mm以內。
- The punch grinder is the convenient tool to revise or produce punch head.
- 0.005mm or less coaxial offset can be reached in plane grinder work without and adjustment required.
- The available clipping & grinding range is $\phi 3 \sim \phi 30$, the extruded grinding length is within 35mm.

N. W : 5.2kg



PG



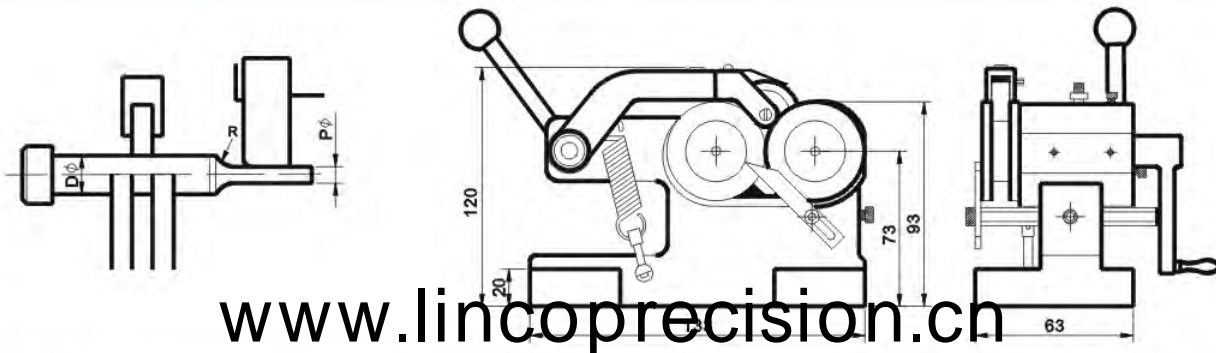


PGS
N. W : 3.2kg

▼ **63735**

冲子研磨器
PUNCH GRINDER

- 小型的冲子研磨器，適用於 $\phi 1.5 \sim \phi 8$ 直徑的冲子夾持研磨，夾持圓棒精度 0.005mm 以內。
- Grinder for small punches; applied to clip and grind $\phi 1.5 \sim \phi 8$ punch products; the clipping precision is within 0.005mm.



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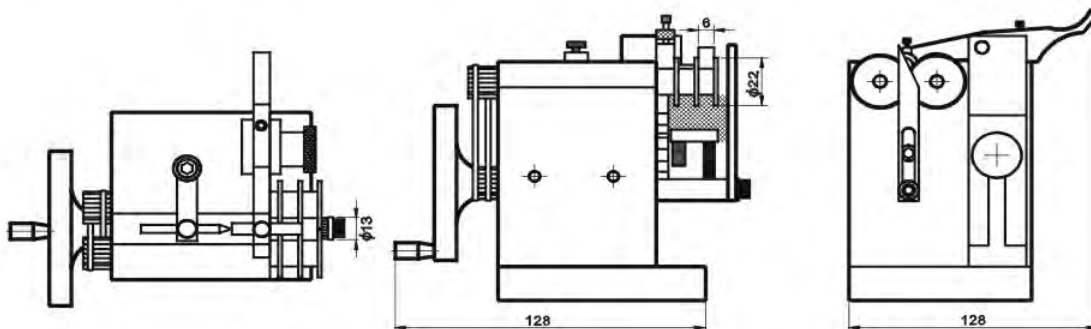
▼ **63741**

冲子研磨器
PUNCH GRINDER

- 微型的冲子研磨機，特別為微小的冲子外徑加工所設計的。
- 并因本身結構的精細及精準，如配合相應的量具，既可做為一台真圓度、同心度的檢測儀。
- 研磨最小外徑 $\phi 0.5\text{mm}$
- The mini punch grinder is exclusively designed to machine the outer diameter of tiny punches.
- Since the configuration is precise and accurate, therefore, if working with suitable measuring elements, it can be a tester of coaxial offset and roundness.
- Minimum outer diameter under grinding is $\phi 0.5\text{mm}$



PGSS
N. W : 2kg



▼ **63743**

電動沖子研磨器
MOTOR PUNCH GRINDER



- 馬達帶動滾輪，操作輕易。可專心操作砂輪進刀。
- 不須校正中心，沖子壓置於滾輪中，無須調整即可獲得同心圓。
- 砂輪成型后可加工各種特殊形狀的沖針。
- 可做較長的射梢，沖子之研磨。
- Motor-driven roller, easy in operation. Operator can pay attention to operate the feeding of grinding wheel.
- No need to calibrate center position; punch is inserted in roller and thus the concentric circles can be derived without any adjustment made.
- After grinding wheel is formed, it can machine punch pins of any special forms.
- Can grind long injection pins and punches.

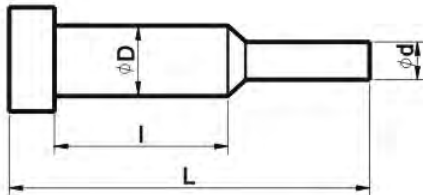
PGM

N. W : 7.1kg

主要參數(Main parameters)

工作長度(Length of Workpiece)	20mm-120mm
伸出研磨長度(Outside Grinding Length)	5mm-35mm
研磨外徑(Grinding Diameter)	2mm-25mm
研磨精度(Accuraoy)	0.008mm
馬達 110V/60HZ (Roller driving motor 110V/60HZ)	129rpm
馬達 220V/50HZ (Roller driving Motor 220V/50HZ)	108rpm

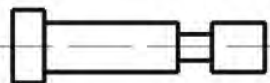
www.lincoprecision.cn



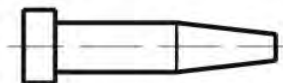
D.....2-25mm
d.....1.5-25mm
L.....Max 120mm
(Double roller 260mm)
l.....Max 22mm

FOR EXAMPLE:

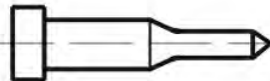
1.圓筒研削



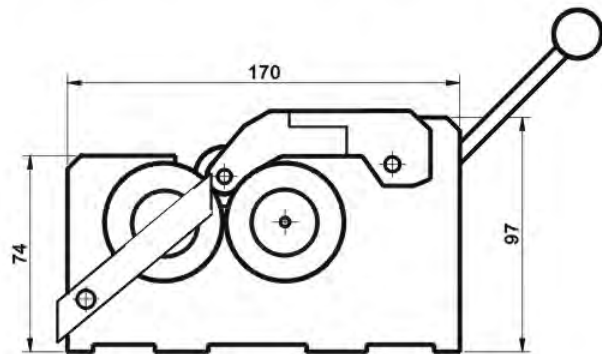
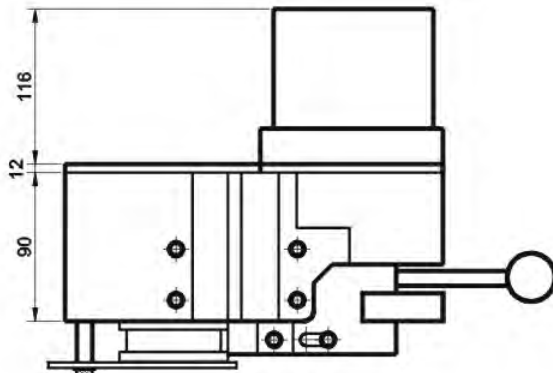
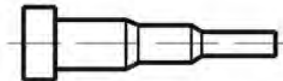
2.錐度研削



3.R型研削



4.多段研削



▼ 63745

單向沖子成型器 PUNCH FORMER (ONE-WAY)



PS
N. W : 6.2kg

- 沖子成型器適用於平面磨床上，是將規格沖頭研磨成型為異形沖頭最佳利器。
- 本機型機體中心貫穿，適合較長的沖子及射梢研磨成型加工。
- 附有R成型杆，可做砂輪凹R，凸修整。
- 本機型可做24等分(15等分)角度固定，分割公差±10秒內，尚可利用正弦原理，隨意組合塊規設定任意角度。
- 主體一體成型，不變形，精度可靠。
- PSP為選購配件，可做砂輪角度修整。
- Punch former is suitable to be applied in plane grinder by forming standard punch head to desired shape, the best tool for machining punch heads of various shapes.
- Centrally penetrated to the machine body; suitable to machine punches or injection pins of long length.
- R-type forming rod is attached to perform concaved-R or raised-R trim of grinding wheel.
- Can make 24 partition equally (15-degree dividing), angle is fixed, and the partition tolerance is within ±10 second; also, it can apply the sine theorem to set up any angle by associating different block gauges.
- Main body is integrated into one piece with reliable precision.
- PSP is optional parts, applied to trim the angle of grinding wheels.

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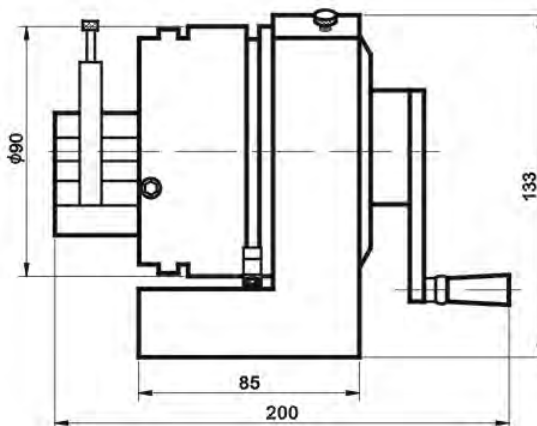
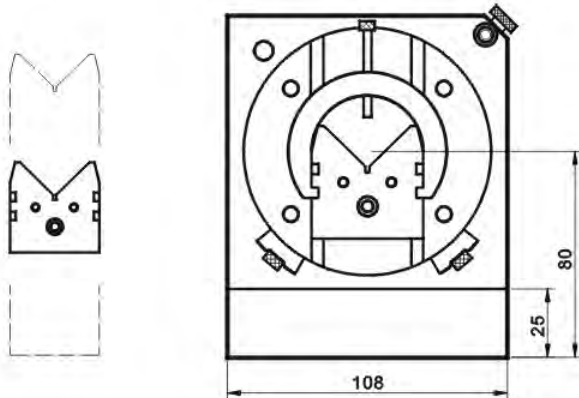
修整砂輪之截面圖例：



主要參數(Main parameters)

V型槽可夾直徑(V-block can clip the outer diameter)	∅4-30mm
V型塊上下調動量(Vertical adjustable distance of V-block)	25mm
角度固定分割(Equally partition angle into 24 parts)	24等分
最大修整直徑(Maximum available trimming diameter)	∅205mm
修整凹R範圍(Allowable range to trim raised R)	100mm
修整凸R範圍(Allowable range to trim concaved R)	48mm

加工成型沖頭之範例：



▼ **63751**

雙向沖子成型器
PUNCH FORMER (TWO-WAY)



PB
N. W : 7.5kg

- 沖子成型器適用於平面磨床上，是將規格沖頭研磨成型為異形沖頭的最佳利器。
- 本機型可做上下、左右雙向調整，各種複雜型狀皆可調整設定。
- 附有R成型杆，可做砂輪凹R，凸修整。
- 本機型可做24等分(15等分)角度固定，分割公差±10秒內，尚可利用正弦原理，隨意組合塊規設定任意角度。
- 主體一體成型，不變形，精度可靠。
- Punch former is suitable to be applied in plane grinder by forming standard punch head to desired shape, the best tool for machining punch heads of various shapes.
- Can make both horizontal and vertical adjustment, able to adjust and set up all sorts of complicate shapes.
- R-type forming rod is attached to perform concaved-R or raised-R trim of grinding wheel.
- Can make 24 partition equally (15-degree dividing), angle is fixed, and the partition tolerance is within ± 10 second; also, it can apply the sine theorem to set up any angle by associating different block gauges.
- Main body is integrated into one piece with reliable precision.

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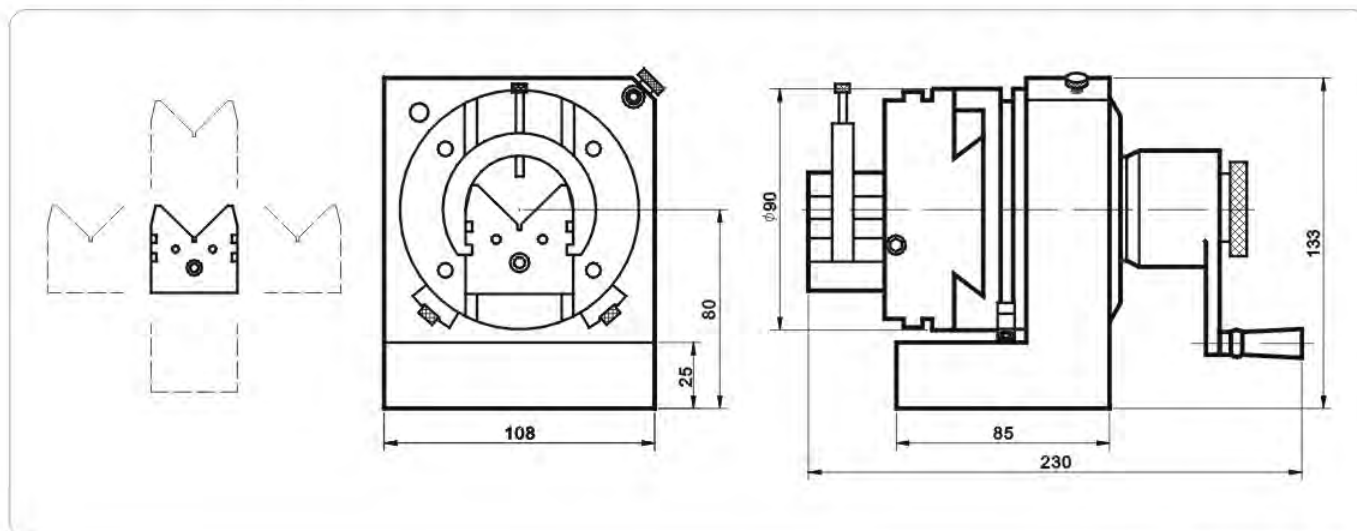
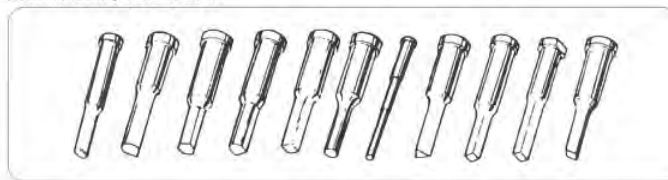
修整砂輪之截面圖例：



主要參數(Main parameters)

V型槽可夾直徑(V-block can clip the outer diameter) \varnothing 4-30mm
 V型塊上下調動量(Vertical adjustable distance of V-block) 25mm
 V型塊左右調動量(Horizontal adjustable distance of V-block) 各12mm
 角度固定分割(Equally partition angle into 24 parts) 24等分
 最大修整直徑(Maximum available trimming diameter) \varnothing 205mm
 修整凹R範圍(Allowable range to trim raised R) 100mm
 修整凸R範圍(Allowable range to trim concaved R) 48mm

加工成型沖頭之範例：



▼ 63753

三爪沖子成型器

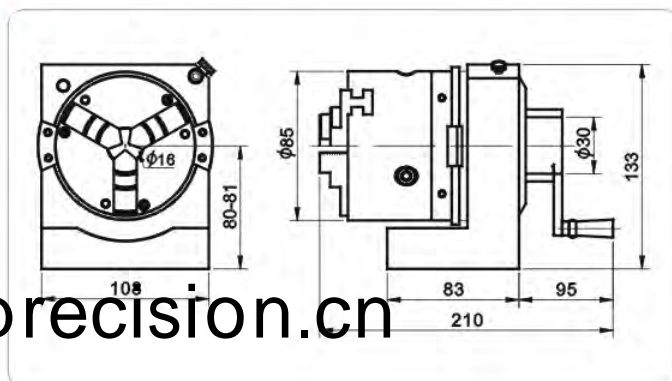
3-JAWS PUNCH FORMER



PSA

N. W : 8.5kg

- 三爪式沖子成型器特別為尺寸多樣化的圓件加工所設計。
- 三爪夾頭主體穿過孔徑最大 $\phi 16$
- 正爪是持直徑 $\phi 2- \phi 30\text{mm}$ 。
- 反爪平持直徑 $\phi 30- \phi 70\text{mm}$ 。
- Three-piece type of punch maker is designed particularly for round pieces with diverse dimensions.
- The maximum hole size for the main body of three-piece clipping head to go through is $\phi 16$.
- Allowable holding size of positive claw is $\phi 2- \phi 30\text{mm}$.
- Allowable holding size of negative claw is $\phi 30- \phi 70\text{mm}$.



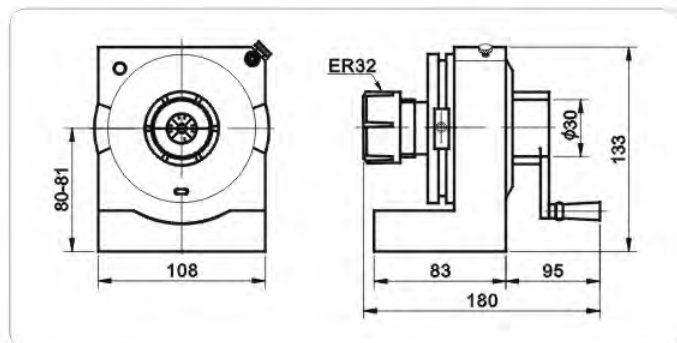
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▼ 63755

筒夾式沖子成型器

ER COLLET PUNCH FORMER

- 筒夾式沖子成型器特別為單一尺對，數量較多的圓件加工所設計。
- 機體筒夾頭使用ER32型，內附 $\phi 4$ 、6、8、10、12、16、20共7祇筒夾。
- 筒夾式沖子成型器可快而穩定的夾持工件，中心自動定位，方便使用。
- The cylinder-type punch maker is designed exclusively to machine round work pieces in unity size and massive quantities.
- Use type ER32 cylinder clipping head, which is attached with 7 different pieces of cylinder clips ($\phi 4$, 6, 8, 10, 12, 16 & 20).
- The cylinder-type punch maker can fast and stably to clip work piece; auto center-positioned, easy to operate.



PSB

N. W : 7.6kg

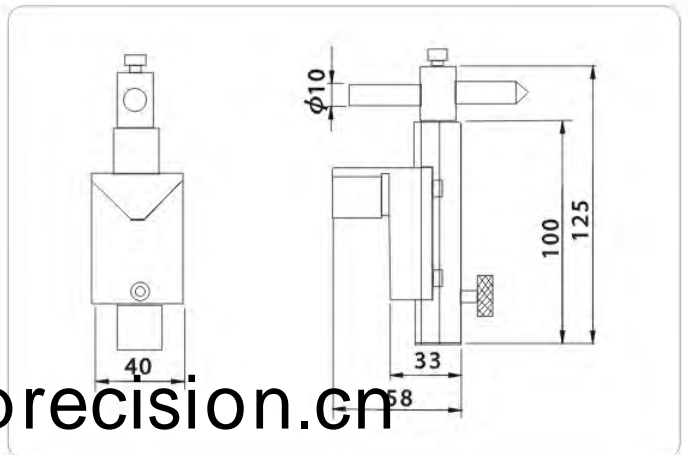
▼ 63761

砂輪角度修整器
MATCO SIENE DRESSER



PSP
N. W : 1kg

- 專為單向沖子成型器所設計，使該機有修整砂輪角度之功能。
- Specifically designed for unidirectional punch maker, enable to trim the angle of grinding wheel.



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▼ 63763

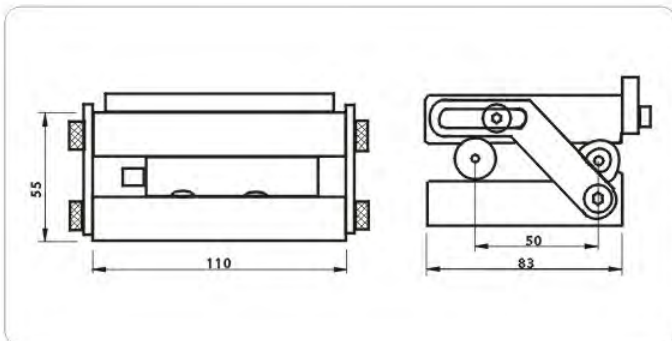
正弦台
SINE PLATES

- SPS50正弦台是特別為PS、PB、PSA、PSB沖子成型器所設計。
- 正弦台利用正弦角度的原理，使結合它的沖子成型器加工角度，達到無比的精準。
- SPS50 sine table is designed on particular for PS, PB, PSA & PSB punch makers.
- The sine table applies sine angle theorem to combine the machining angle of punch maker, reaching the best precision level.



SPS50
N. W : 3.5kg

Harden: HRC55°
Accuracy: 0.005mm/100mm



▼ 63765

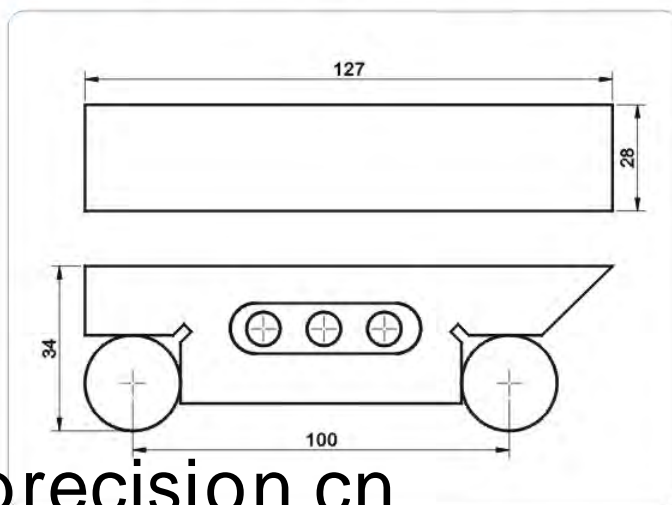
公制正弦規
SINE BAR-MERTIC

- 成型磨床設定角度的必備量具。
- 正弦規精度保證在0.005mm以內。
- Essential measuring gauge to the angle setting of forming grinder.
- Guaranteed accuracy of sine gauge is within 0.005mm.



S100

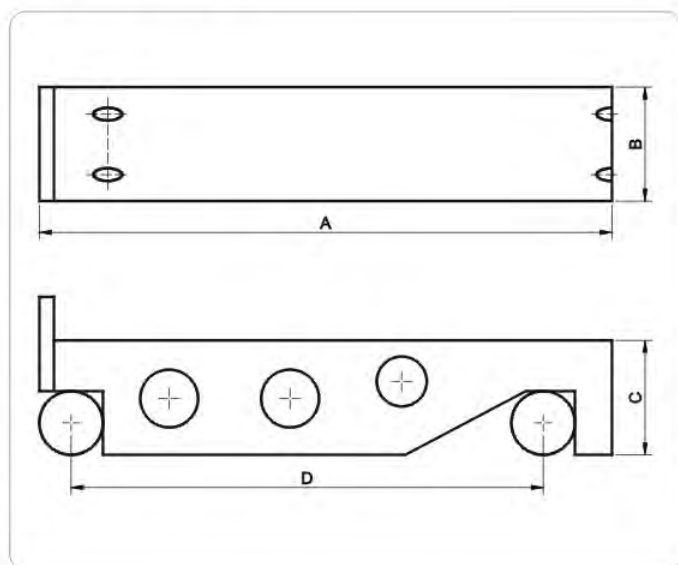
N. W :1kg



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▼ 63771

英制正弦規
SINE BAR-INCH



S25/50

Unit: mm

ORDER NO.	MODEL	A	B	C	D	N.W (kg)
63771-25	S25	6 3/8"	1"	1 1/4"	5"	1
63771-50	S50	6 3/8"	2"	1 1/4"	5"	1.9

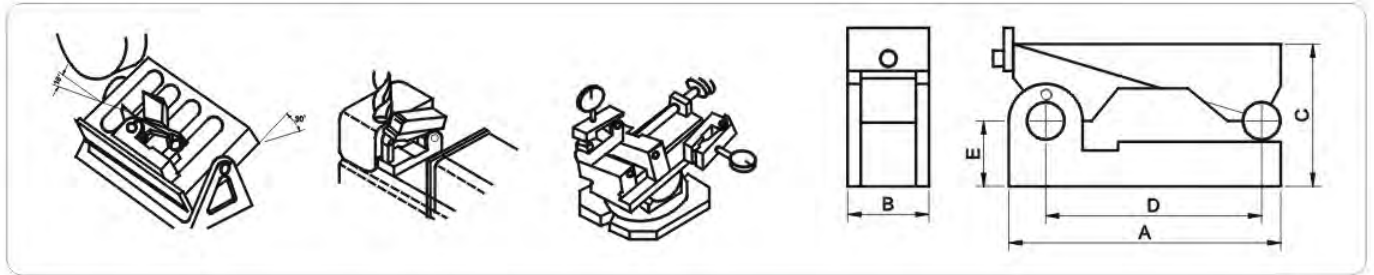


▼ **63773**

磁性正弦規
MAGNETIC SINE BAR

- 正弦規底部裝埋永久磁鐵，磁性特強，適合在各種機床，工件上使用，能準確的定位出各種角度。
- Install permanent magnet at bottom of sine gauge with dense magnetic flux density; applied to operate at machining tools and work pieces of various sorts; can precisely position any angle specified.

MS50/100



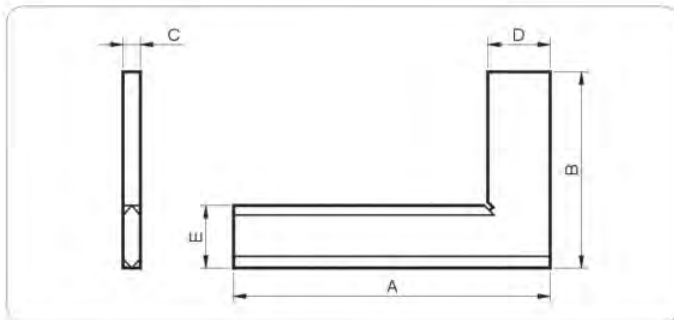
Unit: mm

ORDER NO.	MODEL	A	B	C	D	E	N.W (kg)
63773-5	MS50	75	22	34	50	17	0.3
63773-10	MS100	150	34	68	100	34	1.9

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▼ **63775**

精密直角尺
PRECISION SQUARE



Unit: mm

ORDER NO.	MODEL	A	B	C	D	E	N.W (kg)
63775-5	LS50	50	40	4	13	13	0.03
63775-7	LS75	75	50	4	15	15	0.05
63775-10	LS100	100	70	5	19	19	0.11
63775-15	LS150	150	100	6	28	28	0.26
63775-20	LS200	200	130	6	32.5	32.5	0.42
63775-25	LS250	250	165	8	34	34	0.74
63775-30	LS300	300	200	8	39	39	1.00

▼ 63781

精密塊規 PRECISION GAUGE BLCOK



- 塊規是長度計量的基準，用於調整、校正或檢驗測量儀器、量具和精密工件。
- 塊規材質使用優質合金鋼製造，硬度不低於HRC64°，具有良好的耐磨性。
- 經特殊加工，尺寸精度具有良好的穩定性。
- Block gauge is the measuring datum of length, applied to adjust, calibrate or inspect other measuring instruments, gauges or precise work pieces.
- Apply alloy steel to produce block gauges, the surface hardness is no less than HRC64° , good wear-resisted ability is preserved.
- Under special machining process, dimension accuracy is good and stable.

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Unit: mm

ORDER NO.	MODEL	CLASS	TOTAL BLOVKS	NOMINAL DIMENSION	STEPS	NO.OF BLOCKS	N.W (kg)
63781-1120	B1120	0	112	1.005	-	1	3.7
63781-1120	B1120	0	112	1.001~1.009	0.001	9	3.7
63781-1121	B1121	1	112	1.01~1.49	0.01	49	3.7
63781-1122	B1122	2	112	0.5~24.5	0.5	49	3.7
63781-1122	B1122	2	112	25~100	25	4	3.6
63781-1030	B1030	0	103	1.005	-	1	3.6
63781-1031	B1031	1	103	1.01~1.49	0.01	49	3.6
63781-1031	B1031	1	103	0.5~24.5	0.5	49	3.6
63781-1032	B1032	2	103	25~100	25	4	2.9
63781-870	B870	0	87	1.001~1.009	0.001	9	2.9
63781-871	B871	1	87	1.01~1.49	0.01	49	2.9
63781-871	B871	1	87	0.5~9.5	0.5	19	2.9
63781-872	B872	2	87	10~100	10	10	2.9
63781-830	B830	0	83	1.005	-	1	2.9
63781-830	B830	0	83	1.01~1.49	0.01	49	2.9
63781-831	B831	1	83	1.6~1.9	0.1	4	2.9
63781-832	B832	2	83	0.5~9.5	0.5	19	2.9
63781-832	B832	2	83	10~100	10	10	2.9

AP

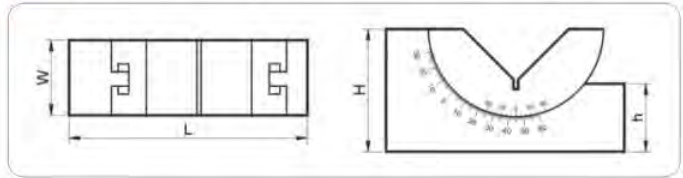


Parallelism: within 0.005mm/100mm
Squareness: within 0.005mm/100mm

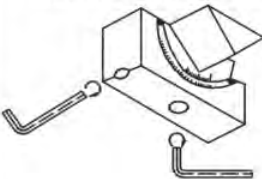
63783

可調式角度墊規
ADJUSTABLE ANGLE PLATES

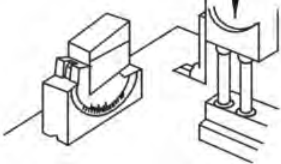
- 角度可任意調整0~60°
- Anqufar measures from 0~ 60°



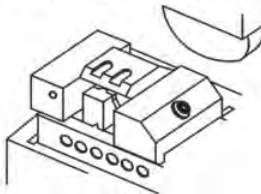
角度設定后，底部螺絲鎖緊
IT CAN BE LOCKED AT DESIRED
ANGLE FROM THE BOTTOM.



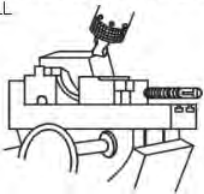
畫綫
TO MARK OUT ON A WORKPIECE



研磨加工
USING ON THE GRINDING MACHINE



銑刀
TO PROCESS WITH AN END
MILL



Unit: mm

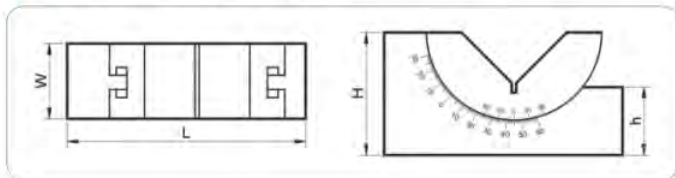
ORDER NO.	MODEL	MATERIAL	HARDNESS	H	W	L	h	Angle tol	N.W (kg)
63783-1	AP1	YK30	50~54°	47	46	102	29	± 10	1.3
63783-2	AP2	YK30	50~54°	47	30	102	29	± 10	0.9
63783-3	AP3	YK30	50~54°	32	25	75	21.5	± 10	0.3

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63785

微調式角度墊規
MICRO-ADJUSTABLE ANGLE PLATE

- 角度可任意調整0~60°
- Anqufar measures from 0~ 60°

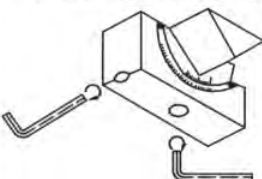


APM

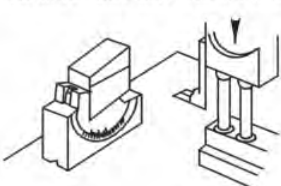


Parallelism: within 0.005mm/100mm
Squareness: within 0.005mm/100mm

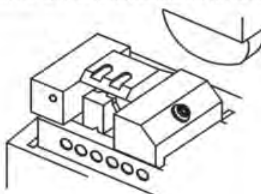
角度設定后，底部螺絲鎖緊
IT CAN BE LOCKED AT DESIRED
ANGLE FROM THE BOTTOM.



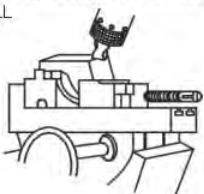
畫綫
TO MARK OUT ON A WORKPIECE



研磨加工
USING ON THE GRINDING MACHINE



銑刀
TO PROCESS WITH AN END
MILL



Unit: mm

ORDER NO.	MODEL	MATERIAL	HARDNESS	H	W	L	h	Angle tol	N.W (kg)
63785-1	APM1	YK30	50~54°	47	46	102	29	± 10	1.3
63785-2	APM2	YK30	50~54°	47	30	102	29	± 10	0.9
63785-3	APM3	YK30	50~54°	32	25	75	21.5	± 10	0.3

▼ 63791

多功能角度水平儀 ANGLE LEVEL



A600

- 采雙環刻度，雙向位讀取角度，精確度高。
- 可立即測量水平與任何傾斜角度。
- 可調整設定假水平，以立即測量角度與水平差。
- 底座附磁軌，可減磁、消磁，也可加長測量寬度。
- Apply double ring scale, allows reading out data at opposite direction, high accuracy is secured.
- Can immediately measure level grade or any angle inclined.
- Can adjust the temporary level setting and measure the angle & level deviation immediately.
- Magnetic rail is attached to bottom seat, able to demagnetize or reduce its field strength and elongate the applicable measuring length.



A800

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A500



A300



A100



A200

Unit: mm

ORDER NO.	MODEL	L×W×H	BASE	ACU
63791-02	A100	78×62×14mm	ABS	0.2°
63791-0204	A300	93×79×15mm	ABS	0.1°
63791-0206	A500	93×79×16mm	METAL	0.83°
63791-0208	A600	140×130×14mm	METAL	0.05°
63791-0210	A200	70×65×30mm	ABS	0.2°
		13mm/1/2"×3M/10"	13mm/1/2"×3M/10"	13mm/1/2"×3M/10"
63791-0212	A800	335×73×30mm	ABS	0.2°
		13mm/1/2"×3M/10"	13mm/1/2"×3M/10"	13mm/1/2"×3M/10"

▼ 63793

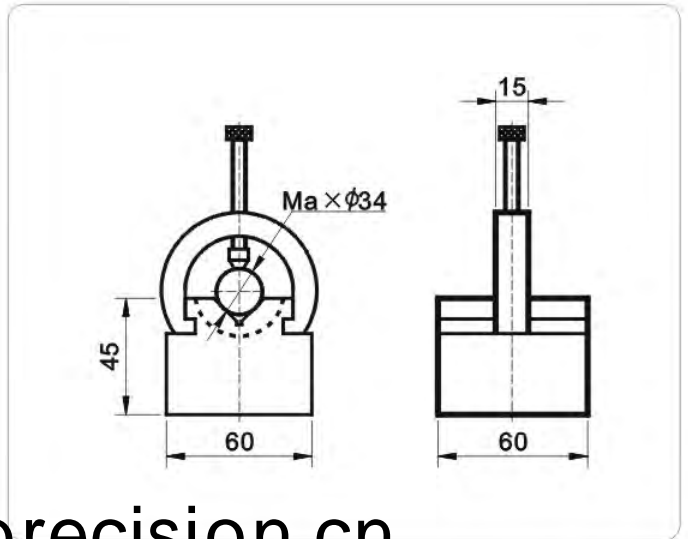
V型台
A PAIR OF V BLOCKS



APV

N. W : 0.3kg

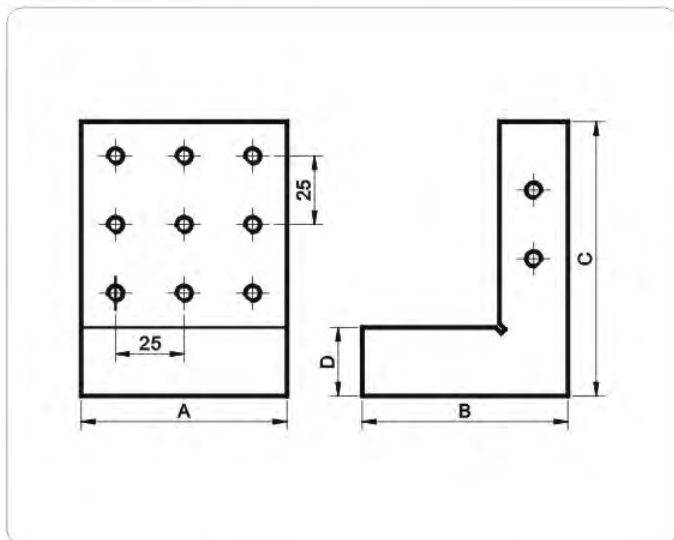
Material: YK30
Harden treatmnt up to: 5RC 56°~58°
Parallelism: within 0.004mm/100mm
Squareness: within 0.005mm/100mm



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▼ 63795

精密直角座
PRECISION ANGLE PLATE



LAP

Parallelism: within 0.003mm/100mm
Squareness: within 0.005mm/100mm

Unit: mm

ORDER NO.	MODEL	MATERIAL	A	B	C	D	HARDNESS	N.W (kg)
63795-5	LAP75	YK30	73	73	100	25	HRC56~58°	2.5
63795-10	LAP100	YK30	100	100	100	25		3.7
63795-15	LAP150	YK30	100	100	150	25		4.5



▼ 63811

精密角度規 PRECISION ANGLE BLOCK SET

Precision Angle Blocks

A simplified, accurate and quick method for angle set-ups in tooling. Production and in specion.

- Accuracy $\pm 0.00001''$ per inch.
- Lightly magnetized for better holding.
- Size 3" long \times 1/4" thick.
- Ten blockset complete with certification in fitted case.

Unit: mm

ORDER NO.	MODEL	ANGLE DEGREES	N.W(kg)
63811-10	APA10	1° 2° 3° 4° 5° 10° 15° 20° 25° 30°	0.9
63811-12	APA12	1/4° 1/2° 1° 2° 3° 4° 5° 10° 15° 20° 25° 30°	1.0

▼ 63813

精密角度塊規 PRECISION GAUGE BLOCK

- Material S50C
- ± 10 Second Tolerance
- Hardness HRC50~55°
- All Ground Finish

www.lincoprecision.cn



Unit: mm

ORDER NO.	MODEL	ANGLE DEGREES	N.W(kg)
63815	APB	1/2° 1° 2° 3° 4° 5° 10° 15° 30°	1.8



▼ 63815

平行墊規 PRECISION PARALLELS SET

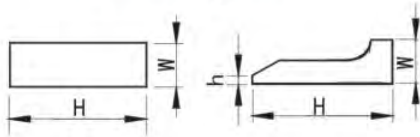
- Material S50C
- Hardness HRC50~55°
- Precision: $W \times H \pm 0.01L \pm 0.5$
- Accuracy: 0.01mm

Unit: mm

ORDER NO.	MODEL	W×H×L×PCS	N.W(kg)
63815	PPA	10×14×150×20CS	9.5
		10×16×150×20CS	
		10×18×150×20CS	
		10×20×150×20CS	
		10×22×150×20CS	
		10×24×150×20CS	
		10×26×150×20CS	
		10×28×150×20CS	
		10×30×150×20CS	
		10×32×150×20CS	
		10×35×150×20CS	
		10×40×150×20CS	
		10×45×150×20CS	
10×50×150×20CS			



PPB



▼ **63821**

平行墊規
PRECISION PARALLELS SET

- Hardness HRC 50~ 55°
- Precision: $W \times H \pm 0.01L \pm 0.5$
- Accuracy: 0.01m/m
- Process: Four-side grinding.
- 1 set includes 18pcs.
- Packed by plastic case.

Unit: mm

MODEL	W	H	L	h	pcs	N.W(kg)
PPB	5	16	100	-	2	10
	6	18	100	-	2	10
	8	24	100	-	2	10
	10	30	100	-	2	10
	12	36	150	-	2	10
	14	48	150	-	2	10
	18	60	150	-	2	10
	22	62	150	-	2	10
	31	15	200	2.5	2	10

▼ **63823**

平行墊規
PRECISION PARALLELS SET

- Hardness HRC 50~ 55°
- Precision: $W \times H \pm 0.01L \pm 0.5$
- Accuracy: 0.01m/m

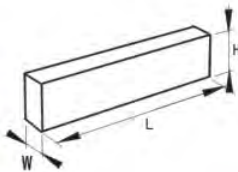
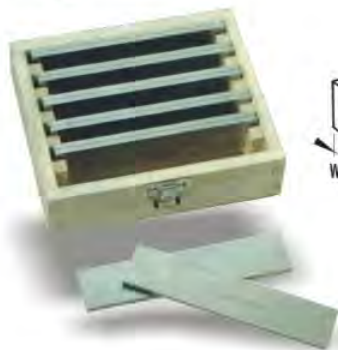
Unit: mm

MODEL	W	H	L	pcs	N.W(kg)
PPC	8.5	14	150	2	5.5
	8.5	16	150	2	5.5
	8.5	20	150	2	5.5
	8.5	24	150	2	5.5
	8.5	30	150	2	5.5
	8.5	32	150	2	5.5
	8.5	36	150	2	5.5
	8.5	40	150	2	5.5
	8.5	44	150	2	5.5

PPC



PPD



▼ **63825**

平行墊規
PRECISION PARALLELS SET

- Hardness HRC 50~ 55°
- Precision: $W \times H \pm 0.01L \pm 0.5$
- Accuracy: 0.01m/m

Unit: mm

MODEL	W	H	L	pcs	N.W(kg)
PPD	4.6	32	150	2	2.8
	4.6	34	150	2	2.8
	4.6	36	150	2	2.8
	4.6	38	150	2	2.8
	4.6	40	150	2	2.8
	4.6	44	150	2	2.8

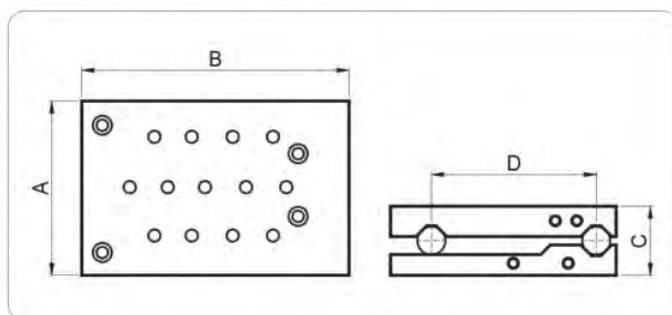
▼ 63831

正弦台 SINE PLATES



47/66/612

- 以正弦原理的設定精準，來做角度研削的治具。
- 面板上有多個螺孔，可供固定工件。
- 本體硬度HRC56~58°，并精密研磨而成。平行精度在±0.005mm內。
- 角度工作範圍0~46°
- Use sine theorem to make precision setting, applied to be a cutting fixture.
- Lots of holes made on panel to fix work pieces.
- Body surface hardness is HRC56~58° and fine grinded, the plane precision is within ±0.005mm.
- Allowable angle working range is 0~46°



ORDER NO.	MODEL	A	B	C	D	N.W (kg)
63831-47	47	100	175	55	75	6
63831-66	66	150	150	55	100	8
63831-612	612	300	150	55	100	16

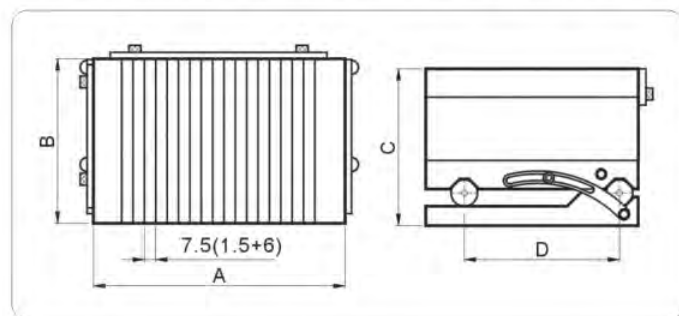
Unit: mm

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▼ 63833

粗目正弦磁台 MAGNETIC SINE PLATES (COARSE)

- 粗目正弦磁台其磁力綫間隔為7.5(1.5+6)，能提供經濟且簡易的使用性，其精度在±0.005mm內。
- The magnetic line interval of coarse sine magnetic table is 7.5 (1.5+6), providing economic and easy usability, the precision is within ±0.005mm.



47/66M

ORDER NO.	MODEL	A	B	C	D	N.W (kg)
63833-47	47M	175	100	103	75	15
63833-66	66M	150	150	103	100	17

Unit: mm

▼ **63835**

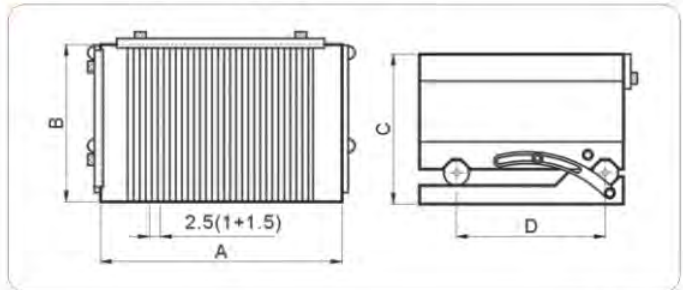
細目正弦磁台

MAGNETIC SINE PLATES (FINE)

- 細目正弦磁台，所配給的永久磁鐵，其磁力綫間隔為2.5(1+1.5)。
- 能提供強大密集的磁力，特別適合細小工件吸磁加工。
- 角度工作範圍0~ 46°
- The magnetic line interval of permanent magnet installed to fine sine magnetic table is 2.5 (1+1.5).
- Can supply powerful and dense magnetic force, on particular suitable to fine work piece under machining process.
- Allowable angle working range is 0~ 46°



47/66MS



Unit: mm

ORDER NO.	MODEL	A	B	C	D	N.W (kg)
63835-47	47MS	75	100	75	75	2.2
63835-66	66MS	150	150	105	100	2.0

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▼ **63841**

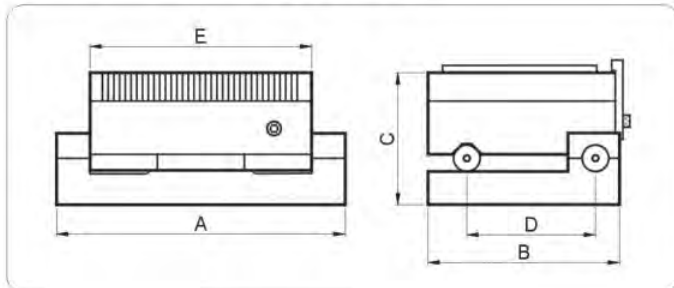
超薄正弦磁台

SINE PLATE WITH FINE MAGNETIC CHUCK

- 高度低於一般正弦台，使用更方便。
- 磁力綫間隔2.5(1+1.5)，能提供強大密集的磁力。
- 鎖緊裝置直接對整輪加壓，固定角度時精度不受影響。
- Height is lower than ordinary sine table, convenient in use.
- 2.5 (1+1.5) dense magnetic line interval provides strengthened and concentrated magnetic force.
- The locking device can exert compression force to wheel directly; precision isn't influenced while fixing operation angle.



47/66/612MSS



Unit: mm

ORDER NO.	MODEL	A	B	C	D	E	N.W (kg)
63841-47	47MSS	225	100	85	75	175	11.5
63841-66	66MSS	200	150	85	100	150	15.0
63841-612	612MSS	350	152	85	100	300	28.0

▼ 63843

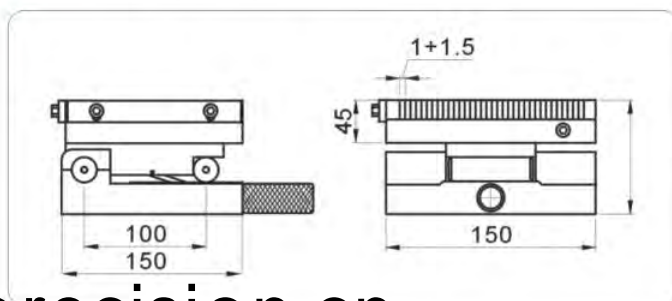
微調式正弦磁台

FINE ADJUSTMENT SINE PLATE WITH MAGNETIC CHUCK



N. W : 17.5kg

- 使用方便，僅憑微調把手即可調整角度固定角度。
- 磁力綫間隔2.5(1+1.5)，能提供強大密集的磁力。
- 具有高精度及穩定性，0~ 60° 精度均在0.003mm內。
- Easy to operate, merely turn the fine-tuning handle to adjust and fix operation angle.
- 2.5 (1+1.5) dense magnetic line interval provides strengthened and concentrated magnetic force.
- Have high precision and stability, precision is controlled within 0.003mm while operating within 0~60°



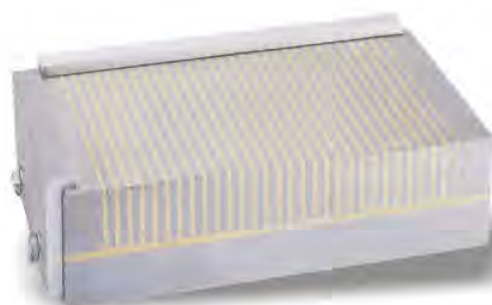
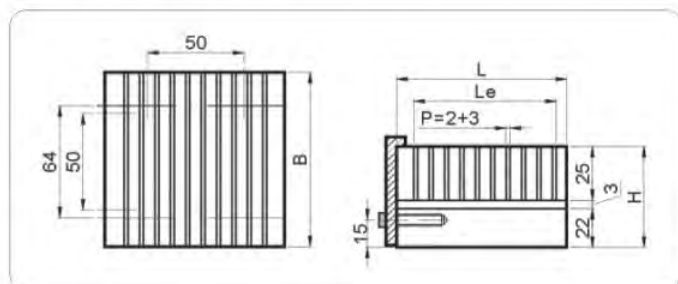
www.lincoprecision.cn

▼ 63845

碳化鎢用強力永久磁夾盤

POWERFUL ANGULAR PERMANENT MAGNETIC CHUCK WITH CARBIDE

- 以磁場性較弱的工作物質為對象，如碳化鎢。
- 可與大型永磁、電磁夾盤互相配合使用。
- Select work substance with weaker magnetic feature, for instance: tungsten carbonized.
- Can work with large-scale clipping disc owning permanent magnetic or electromagnetic force.



Unit: mm

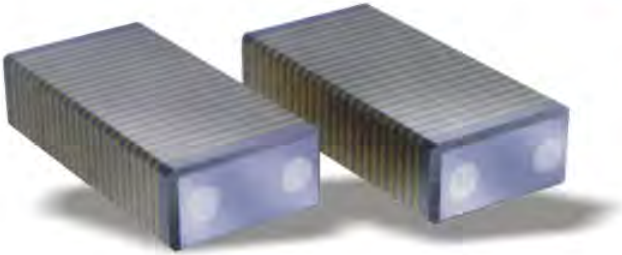
ORDER NO.	MODEL	DIMENSION	CHUCKING FACE			POLE PITCH	HEIGHT	N.W (kg)
			B	L	Le	P	H	
63845-10	1010H	100×100	100	100	72	5(2+3)	50	3.9
63845-18	1018H	100×180	100	180	152	5(2+3)	50	7.1
63845-25	1025H	100×250	100	250	222	5(2+3)	50	10

▼ 63851

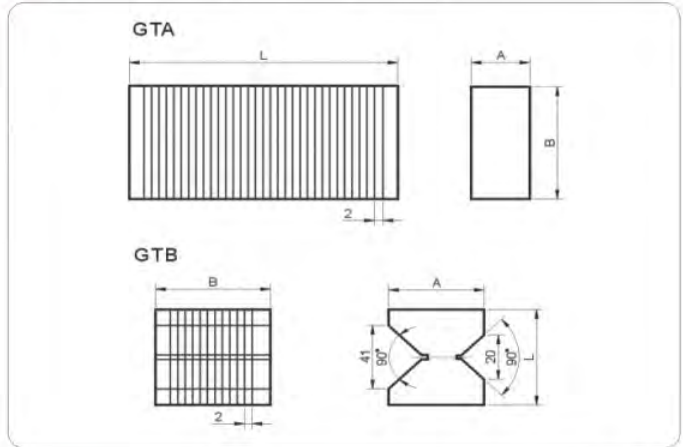
導磁塊

MAGNETIC INDUCTION BLOCK

- 無磁性的GTA、GTB可以使用在任何磁碟上，導磁后即有磁性。
- Magnetism-free GTA & GTB can be applied in any disk to generate magnetism after magnetic field is permeated.



GTA/GTB



Unit: mm

ORDER NO.	MODEL	A	B	L	PCS	N.W (kg)
63851-25	GTA	40	30	60	2	2.2
63851-46	GTB	49	49	58	2	2.0

▼ 63853

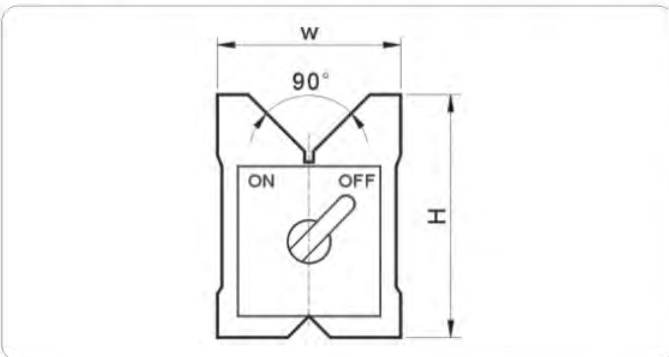
磁性V型台

MAGNETIC V-BLOCK

- V型台內裝有永久性磁鐵，可吸磁平面及圓柱型的工件，用於磨床及檢驗平台上。
- Permanent magnet is inserted in V slit that can attract plane or cylindrical work piece; this product is applied on grinding machine or inspection bench.



GVA/GVB



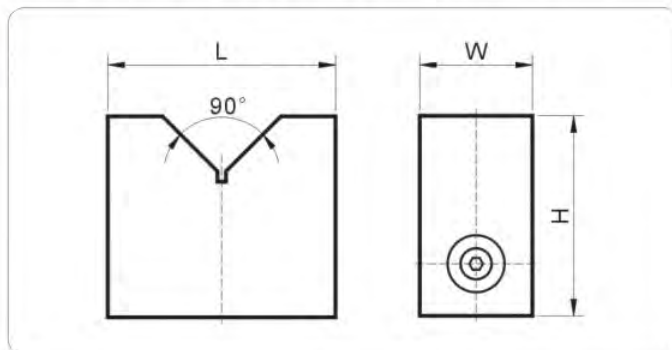
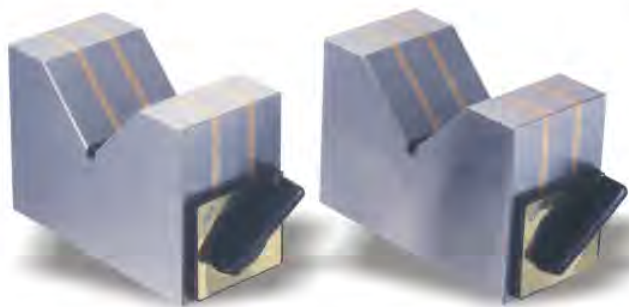
Unit: mm

ORDER NO.	MODEL	HOLDWG POWER		DIMENSION			N.W (kg)
		V-FACE	SURFACE	W	H	L	
63853-56	GVA	55kgf	70kgf	56kgf	72kgf	80kgf	2.0
63853-76	GVA	90kgf	110kgf	76kgf	100kgf	115kgf	5.5

▼ 63855

磁性V型台 MAGNETIC V-BLOCK

一組兩件，可單獨使用或合并使用，可供較長工件吸磁使用。
Two pieces in one set that can be separately in use or combined together; applied to long work piece with magnetic capability.



GVC/GVD

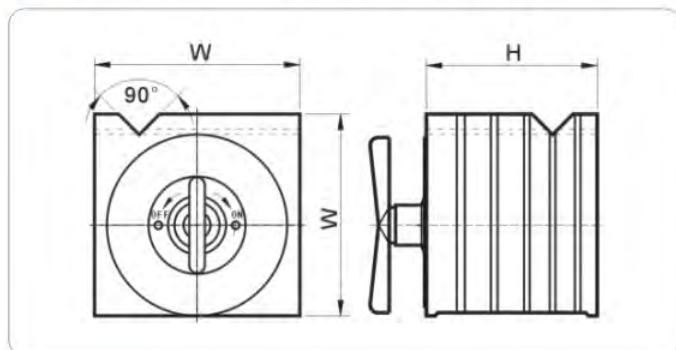
ORDER NO.	MODEL	HOLDING POWER	APPLICABLE DIAMETER	DIMENSION			N.W (kg)
				A	B	L	
63855-40	GVC	15kgf	50	40	70	50	2
63855-50	GVD	20kgf	80	50	100	80	5

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▼ 63861

磁性V型台 MAGNETIC V-BLOCK

- 方型設計，上面、側面及V型面均有磁性。垂直度精準，可平放、側放可作。
- 為固定治具，測量或畫綫使用。
- V型面可供圓形或長條工作吸磁使用
- Square shape design, magnetic force exerts on top, side and V-slut surface. Precise verticality made; workable on horizontal or vertical position.
- Applied to f x jig/xture, perform measurement or draw line.
- V-slut surface can hold round or rod piece by magnetic force.



GVE/GVF

ORDER NO.	MODEL	HOLDING POWER		DIMENSION		N.W (kg)
		V-FACE	SURFACE	W	H	
63861-10	GVE	25kgf	50kgf	100	100	8
63861-15	GVF	50kgf	140kgf	150	150	22

▼ **63863**

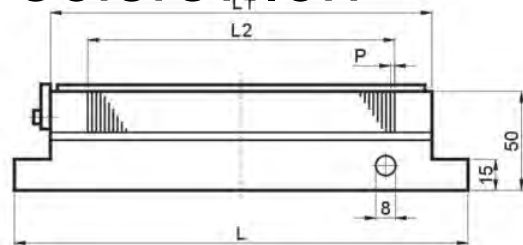
強力永磁粗目夾盤

POWERFUL ANGULAR PERMANENT MAGNETIC CHUCK



- 厚度50mm，較一般永磁鐵還薄，吸磁加工空間最大。
- 面板金屬接合處理，耐腐蝕。
- 精度高，不易變形適合高精度加工作業。
- 50mm in thickness that is thinner than ordinary permanent magnet, the machining space is larger.
- Panel metal is connected together, anti-corrosion secured.
- High precision, hard to deform, applied to high-precision machining work.

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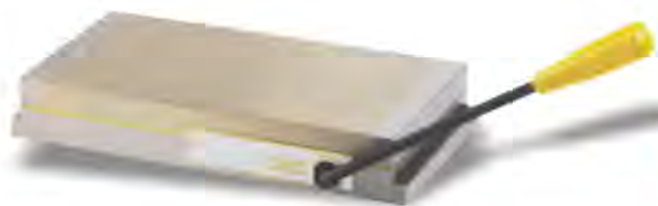
Unit: mm

ORDER NO.	MODEL	DIMENSION	DIMENSION				POLE PITCH	N.W (kg)
			B	L1	L2	L	P	
63863-02	1018A	100×175	100	175	143	195	8(2+6)	7
63863-04	1025A	100×250	100	250	202	270	8(2+6)	10
63863-06	1030A	100×300	100	300	255	320	8(2+6)	12
63863-08	1325A	125×250	125	250	202	270	8(2+6)	13
63863-10	1530A	150×300	150	300	255	320	8(2+6)	18
63863-12	1535A	150×350	150	350	299	370	8(2+6)	21
63863-14	1540A	150×400	150	400	365	420	8(2+6)	24
63863-16	1545A	150×450	150	450	409	470	8(2+6)	27
63863-18	2035A	200×350	200	350	299	370	8(2+6)	27
63863-20	2040A	200×400	200	400	365	420	8(2+6)	31
63863-22	2045A	200×450	200	450	409	470	8(2+6)	35
63863-24	2050A	200×500	200	500	455	520	8(2+6)	38
63863-26	2060A	200×600	200	600	555	620	8(2+6)	46
63863-28	2550A	250×500	250	500	455	520	8(2+6)	50

▼ 63865

強力永磁細目夾盤

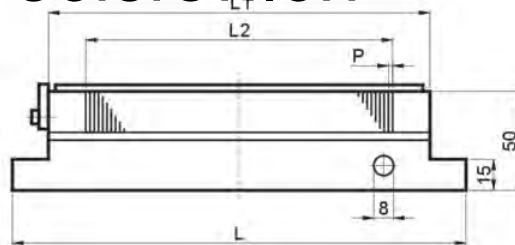
POWERFUL ANGULAR PERMANENT MAGNETIC CHUCK



- 厚度50mm，較一般永磁鐵還薄，吸磁加工空間最大。
- 磁距2.5(1+1.5)，磁力分布均勻，適合小型及薄的工件。
- 面板金屬接合處理，耐腐蝕。
- 精度高，不易變形適合高精度加工作業。

- 50mm in thickness that is thinner than ordinary permanent magnet, the machining space is larger.
- The magnetic line interval is 2.5 (1+1.5), magnetic field distribution is uniform, suitable to small and thin work pieces.
- Panel metal is connected together, anti-corrosion secured.
- High precision, hard to deform, applied to high-precision machining work.

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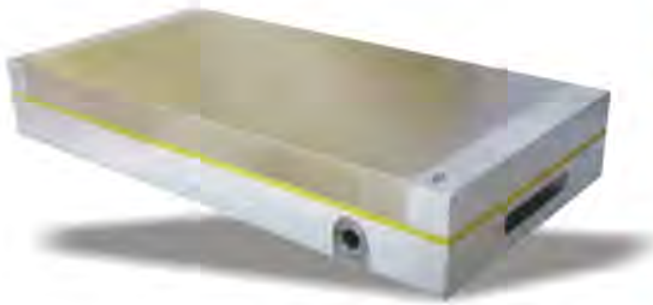
Unit: mm

ORDER NO.	MODEL	DIMENSION	DIMENSION				POLE PITCH	N.W (kg)
			B	L1	L2	L	P	
63865-01	1018B	100×175	100	175	143	195	2.5(1+1.5)	7
63865-03	1025B	100×250	100	250	202	270	2.5(1+1.5)	10
63865-05	1030B	100×300	100	300	255	320	2.5(1+1.5)	12
63865-07	1325B	125×250	125	250	202	270	2.5(1+1.5)	13
63865-09	1530B	150×300	150	300	255	320	2.5(1+1.5)	18
63865-11	1535B	150×350	150	350	299	370	2.5(1+1.5)	21
63865-13	1540B	150×400	150	400	365	420	2.5(1+1.5)	24
63865-15	1545B	150×450	150	450	409	470	2.5(1+1.5)	27
63865-17	2035B	200×350	200	350	299	370	2.5(1+1.5)	27
63865-19	2040B	200×400	200	400	365	420	2.5(1+1.5)	31
63865-21	2045B	200×450	200	450	409	470	2.5(1+1.5)	35
63865-23	2050B	200×500	200	500	455	520	2.5(1+1.5)	38
63865-25	2060B	200×600	200	600	555	620	2.5(1+1.5)	46
63865-27	2550B	250×500	250	500	455	520	2.5(1+1.5)	50

▼ **63871**

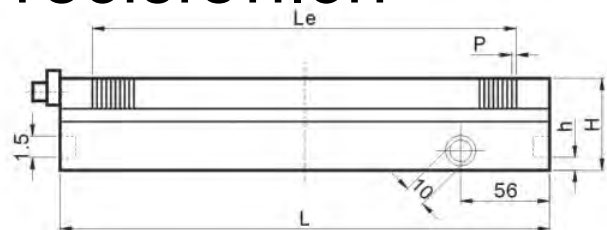
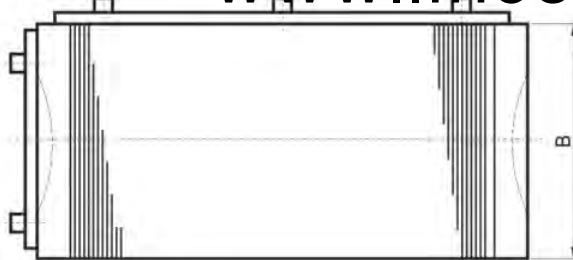
強力永磁細目夾盤

POWERFUL ANGULAR PERMANENT MAGNETIC CHUCK



- 磁盤開關切換時，磁力面之平面精度不變。
 - 磁距2(1+1)，磁力分布均勻，適用於小型及薄形物件。
 - 面板金屬接合處理，可耐切削液腐蝕。
 - 使用高性能磁石，具有強力，殘留磁氣少。
 - 精度高，變化小，符合高精度加工作業。
- While switching over magnetic disc switch, the plane precision on the magnetic plane is unchanged.
 - The magnetic line interval is 2 (1+1), magnetic field distribution is uniform, suitable to small and thin work pieces.
 - Panel metal is connected together, able to withstand any corrosion made from cutting liquid.
 - Apply high-performance magnetite that can create powerful magnetic force and with small magnetic residual coefficient.
 - High precision and tiny deviation; conforming to high-precision machining operation requirement.

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Unit: mm

ORDER NO.	MODEL	DIMENSION	CHUCKING FACE			POLE PITCH	HEIGHT		N.W (kg)
			B	L	Le	P	H	h	
63871-02	1018C	100×175	100	175	140	2(1+1)	52	10	7
63871-04	1015C	100×150	150	150	115	2(1+1)	57	10	9
63871-06	1325C	125×250	125	250	210	2(1+1)	57	10	13
63871-08	1530C	150×300	150	300	258	2(1+1)	63	15	22
63871-10	1535C	150×350	150	350	308	2(1+1)	63	15	24
63871-12	1545C	150×450	150	450	408	2(1+1)	63	15	31
63871-14	2040C	200×400	200	400	358	2(1+1)	63	15	37
63871-16	2045C	200×450	200	450	408	2(1+1)	63	15	41
63871-18	2050C	200×500	200	500	458	2(1+1)	63	15	45

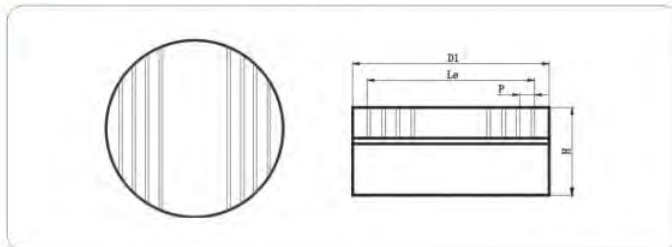
▼ 63873

粗目圓形磁盤

ROUND PERMANENT MAGNETIC CHUCK



- 適合一般的工作做精密研磨加工。
- 可安裝在旋轉研磨機器上使用。
- Suitable to normal work pieces making precise grinding process.
- Can be installed on rotary grinding machine.



Unit: mm

ORDER NO.	MODEL	DIMENSION	CHUCKING FACE		POLE PITCH	HEIGHT	N.W (kg)
			D1	Le	P	H	
63873-02	125UD	125	125	80	11(2+9)	58	6.2
63873-04	160UD	160	160	115	11(2+9)	58	9.5
63873-06	200UD	200	200	155	11(2+9)	58	15.0
63873-08	250UD	250	250	205	15(3+12)	58	23.0
63873-10	300UD	300	300	255	5(3+1)	63	36.0

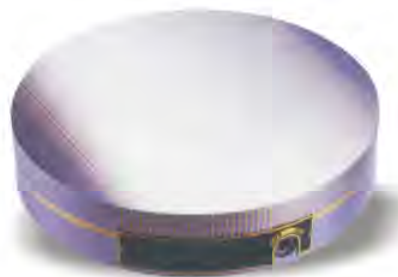
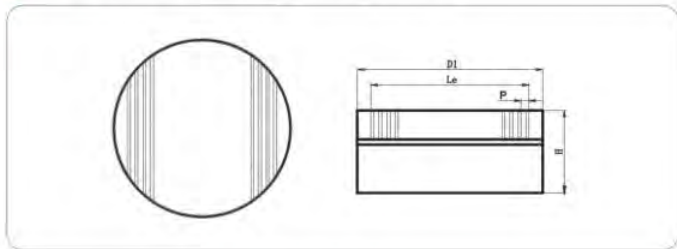
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▼ 63875

細目圓形磁盤

ROUND FINE POLE PERMANENT MAGNETIC CHUCK

- 適合較小較薄的工作，精密研磨加工作業。
- 可安裝在旋轉研磨機器上使用。
- Suitable to tiny or thinner work pieces performing precise grinding process.
- Can be installed on rotary grinding machine.



Unit: mm

ORDER NO.	MODEL	DIMENSION	CHUCKING FACE		POLE PITCH	HEIGHT	N.W (kg)
			D1	Le	P	H	
63875-02	100UE	100	100	67	2(1+1)	58	3.7
63875-04	125UD	125	125	80	2(1+1)	58	6.2
63875-06	160UD	160	160	115	2(1+1)	58	9.5
63875-08	200UD	200	200	155	2(1+1)	58	15.0
63875-10	250UD	250	250	205	2(1+1)	58	23.0
63875-12	300UD	300	300	255	2(1+1)	63	36.0

▼ **63881**

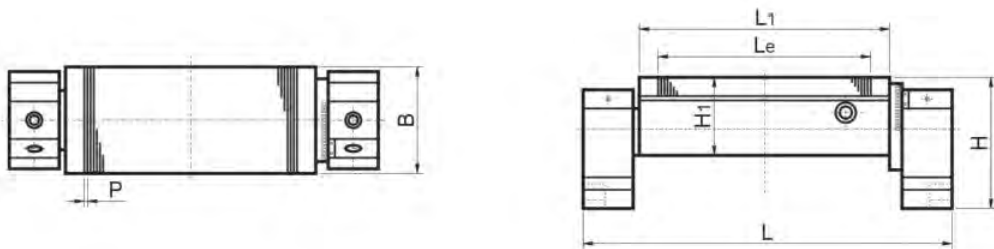
回轉形永磁夾盤

ROTRAY PERMANENT MAGNETIC CHUCK



- 本體與旋轉主軸一體成型，回轉定位精度準確。
 - 面板金屬接合處理，可耐切削液腐蝕。
 - 雙磁距設計可使用於厚薄大小，不同加工物使用。
 - 粗目夾盤磁距11.2 (1.6+2+1.6+6)。
 - 細目夾盤磁距2(1+1)。
-
- Main body and rotary spindle are integrated into one piece, the rotation positioning is precise.
 - Panel metal is connected together, able to withstand any corrosion made from cutting liquid.
 - Bi-magnetic-line-interval design that can be applied to work pieces having varied size and thickness.
 - The magnetic line interval of coarse clipping disc is 11.2 (1.6+2+1.6+6).
 - The magnetic line interval of fine clipping disc is 2 (1+1).

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Unit: mm

ORDER NO.	MODEL	DIMENSION	CHUCKING FACE				POLE PITCH	HEIGHT		N.W (kg)
			B	L	Le	H1	P	H	h	
63881-02	1018UD	100×175	100	175	125	78	11.2	283	145	17.5
63881-04	1018UE	100×175	100	175	125	78	2	283	145	17.5
63881-06	1325UD	125×250	125	250	200	78	11.2	368	145	24.5
63881-08	1325UE	125×250	125	250	200	78	2	368	145	24.5
63881-10	1530UD	150×300	150	300	246	78	11.2	418	145	27.2
63881-12	1530UE	150×300	150	300	246	78	2	418	145	27.2
63881-14	1535UD	150×350	150	350	296	78	11.2	468	145	30.4
63881-16	1535UE	150×350	150	350	296	78	2	468	145	30.4
63881-18	1545UD	150×450	150	450	396	78	11.2	568	145	35.4
63881-20	1545UE	150×450	150	450	396	78	2	568	145	35.4

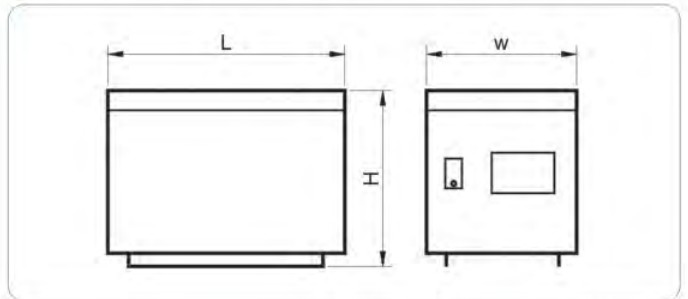
EDA



▼ 63883

脫磁器 HANDY TYPE DEMAGNETIZER

- 置平使用或手持使用均可，慣用性高。
- 連續使用90分鐘須開機10分鐘再可使用。
- 有自動溫度保護裝置。
- Operation condition is common; can be applied by putting on plane or by handhold.
- Turn off 10 minutes after operating 90 minutes continually.
- Auto thermal protection device preserved.



Unit: mm

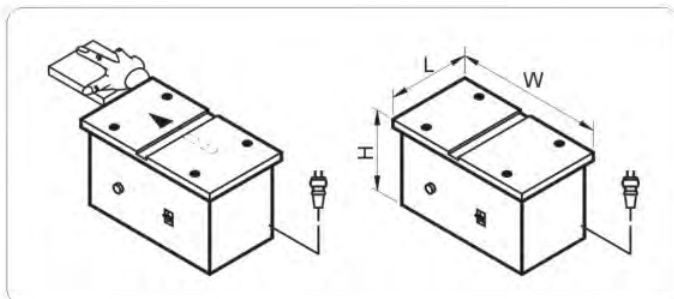
ORDER NO.	MODEL	POWER SOURCE	CAPACITY	DUTY CYCLE	DIMENSION			N.W (kg)
					L	W	H	
63883-11	EDA	AC/110V	110VA	90%	128	83	83	1.8
63883-22	EDA	AC/220V	110VA	90%	128	83	83	1.8

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▼ 63885

脫磁器 HANDY TYPE DEMAGNETIZER

- 固定置平使用，適合一般零組件加工后之殘磁消除。
- 可長時間連續使用。
- Put the product on a plane and fix it in operation; applied to remove residual magnetic force of normal parts after machining process.
- Can work continuously for a long time.



EDB

Unit: mm

ORDER NO.	MODEL	POWER SOURCE	CAPACITY	DUTY CYCLE	DIMENSION			N.W (kg)
					L	W	H	
63885-11	EDB	AC/110V	330VA	100%	150	200	100	8.5
63885-22	EDB	AC/220V	330VA	100%	150	200	100	8.5

▼ **63891**

銑刀夾具組OZ型

OZ MILLING COLLET CHUCK SYSTEM



- 盒裝組合，內有刀柄，扳手一件，彈性筒夾一組。
- 可選擇英制或公制螺紋，搭配7至16個筒夾組。
- 符合DIN6388精度制造。
- The box contains one cutter stem, one spanner and a set of spring cylinder clip.
- Can select metric or British screw and collocate to 7 to 16 cylinder clip set.
- Conform to the production precision defined in DIN6388

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Unit: mm

ORDER NO.	MODEL	CHUCKING FACE	CHUCKING FACE	N.W (kg)
63891-02	MT3-OZ 25-7	1/2" W12 or M12×1.75	6. 8. 10. 12. 16. 20. 25mm	3.8
63891-04	MT4-OZ 25-7	5/8" W11 or M16×2.0		4.0
63891-06	R8-OZ 25-7	7/16"×20UNF		3.4
63891-08	NT30-OZ 25-7	1/2" W12 or M12×1.75		3.5
63891-10	NT40-OZ 25-7	5/8" W11 or M16×2.0		3.8
63891-12	NT50-OZ 25-7	1" W8 or M24×3.0		6.2
63891-14	MT3-OZ 25-15	1/2" W12 or M12×1.75	3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 16. 18. 20. 25mm	5.2
63891-16	MT4-OZ 25-15	5/8" W11 or M16×2.0		5.7
63891-18	R8-OZ 25-15	7/16"×20UNF		5.3
63891-20	NT30-OZ 25-15	1/2" W12 or M12×1.75		5.0
63891-22	NT40-OZ 25-15	5/8" W11 or M16×2.0		5.4
63891-24	NT50-OZ 25-15	1" W8 or M24×3.0		7.6
63891-26	MT4-OZ 32-8	5/8" W11 or M16×2.0	6. 8. 10. 12. 16. 20. 25. 32mm	6.5
63891-28	MT5-OZ 32-8	1" W8 or M24×3.0		9.1
63891-30	NT40-OZ 32-8	5/8" W11 or M16×2.0		6.5
63891-32	NT50-OZ 32-8	1" W8 or M24×3.0		9.5
63891-34	MT4-OZ 32-16	5/8" W11 or M16×2.0	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 18. 20. 25. 32mm	10.7
63891-36	MT5-OZ 32-16	1" W8 or M24×3.0		13.2
63891-38	NT40-OZ 32-16	5/8" W11 or M16×2.0		10.8
63891-40	NT50-OZ 32-16	1" W8 or M24×3.0		12.7

▼ 63893

銑刀夾具組ER型

ER MILLING COLLET CHUCK SYSTEM



- 盒裝組合，內有刀柄，扳手一件，彈性筒夾一組。
- 可選擇英制或公制螺紋，搭配6至23個筒夾組。
- The box contains one cutter stem, one spanner and a set of spring cylinder clip.
- Can select metric or British screw and collocate to 6 to 23 cylinder lip set.

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Unit: mm

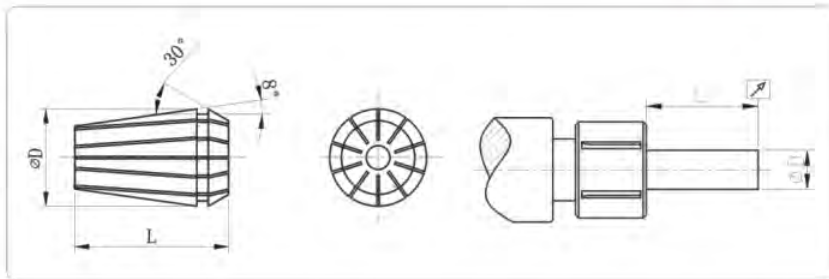
ORDER NO.	MODEL	CHUCKING FACE	CHUCKING FACE	N.W (kg)
63893-02	MT3-ER 32-6	1/2" W12 or M12×1.75	6. 8. 10. 12. 16. 20mm	2.5
63893-04	MT4-ER 32-6	5/8" W11 or M16×2.0		2.7
63893-06	R8-ER 32-6	7/16"×20UNF		2.6
63893-08	NT30-ER 32-6	1/2" W12 or M12×1.75		2.4
63893-10	MT3-ER 40-7	1/2" W12 or M12×1.75	6. 8. 10. 12. 16. 20. 25mm	4.1
63893-12	MT4-ER 40-7	5/8" W11 or M16×2.0		4.0
63893-14	R8-ER 40-7	7/16"×20UNF		3.9
63893-16	NT30-ER 40-7	1/2" W12 or M12×1.75		3.8
63893-18	NT40-ER 40-7	5/8" W11 or M16×2.0	3.9	
63893-20	MT3-ER 32-18	1/2" W12 or M12×1.75	3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20mm	4.0
63893-22	MT4-ER 32-18	5/8" W11 or M16×2.0		4.2
63893-24	R8-ER 32-18	7/16"×20UNF		4.0
63893-26	NT30-ER 32-18	1/2" W12 or M12×1.75		4.0
63893-28	NT40-ER 32-18	5/8" W11 or M16×2.0	4.3	
63893-30	MT4-ER 40-23	5/8" W11 or M16×2.0	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26mm	8.5
63893-32	R8-ER 40-23	7/16"×20UNF		8.3
63893-34	NT30-ER 40-23	1/2" W12 or M12×1.75		8.0
63893-36	NT40-ER 40-23	5/8" W11 or M16×2.0		8.5
63893-38	NT50-ER 40-23	1" W8 or M24×3.0	11.3	
63893-40	NT40-ER 50-17	5/8" W11 or M16×2.0	6. 7. 8. 9. 10. 11. 12. 14. 16. 18. 20. 22. 24. 26. 28. 30. 32. 34mm	9.2
63893-42	NT50-ER 50-17	1" W8 or M24×3.0		12.0
63893-44	MT3-ER 40-15	1/2" W12 or M12×1.75	4. 5. 6. 8. 10. 12. 13. 15. 16. 18. 20. 21. 23. 25. 26mm	6.2
63893-46	MT4-ER 40-15	5/8" W11 or M16×2.0		6.5
63893-48	R8-ER 40-15	7/16"×20UNF		6.3
63893-50	NT30-ER 40-15	1/2" W12 or M12×1.75		6.0
63893-52	NT40-ER 40-15	5/8" W11 or M16×2.0		6.5
63893-54	NT50-ER 40-15	1" W8 or M24×3.0		9.3

▼ **63895-70/900**

ER彈性筒夾
ER SPRING COLLET



- 符合DIN6499精度制造。
- 軸承鋼制造，有較高的彈性和使用壽命。
- ER11有0.5mm的伸縮彈性空間。
- ER11、ER16、ER20、ER25、ER30、ER40有1mm的縮彈性空間。
- Conform to the production precision defined in DIN6499
- Made by bearing steel with higher elasticity and operation lifetime.
- ER11 has an expansion allowance of 0.5mm.
- ER11, ER16, ER20, ER25, ER30 & ER40 commonly have an expansion allowance of 1mm.



TYPE	ER11	ER16	ER20	ER25	ER30	ER40
D	11.5	17	21	26	33	41
L	18	27	31	35	40	46

Unit: mm

L	D	精度
6	1.0-1.6	0.015
10	1.6-3.0	0.015
16	3.0-7.0	0.015
25	7.0-10.0	0.015
30	10.0-18.0	0.020
50	18.0-24.0	0.020
60	24.0-34.0	0.020

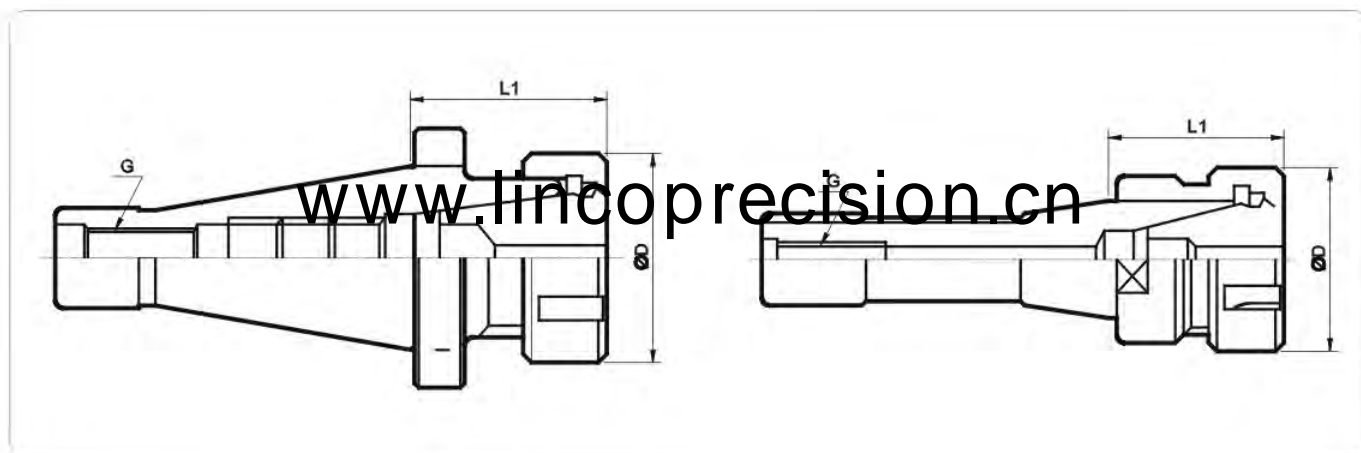
ER11(mm)		ER16(mm)		ER20(mm)		ER25(mm)		ER30(mm)		ER40(mm)	
Order NO	Range	Order NO	Range	Order NO	Range	Order NO	Range	Order NO	Range	Order NO	Range
63895-10	1-0.5	63896-05	1-0.5	63897-04	2-1	63898-05	2-1	63899-05	3-2	63900-04	4-3
63895-15	1.5-1	63896-10	2-1	63897-08	3-2	63898-10	3-2	63899-10	4-3	63900-08	5-4
63895-20	2-1.5	63896-15	3-2	63897-12	4-3	63898-15	4-3	63899-15	5-4	63900-12	6-5
63895-25	2.5-2	63896-20	4-3	63897-16	5-4	63898-20	5-4	63899-20	6-5	63900-16	7-6
63895-30	3-2.5	63896-25	5-4	63897-20	6-5	63898-25	6-5	63899-25	7-6	63900-20	8-7
63895-35	3.5-3	63896-30	6-5	63897-24	7-6	63898-30	7-6	63899-30	8-7	63900-24	9-8
63895-40	4-3.5	63896-35	7-6	63897-28	8-7	63898-35	8-7	63899-35	9-8	63900-28	10-9
63895-45	4.5-4	63896-40	8-7	63897-32	9-8	63898-40	9-8	63899-40	10-9	63900-32	11-10
63895-50	5-4.5	63896-45	9-8	63897-36	10-9	63898-45	10-9	63899-45	11-10	63900-36	12-11
63895-55	5.5-5	63896-50	10-9	63897-40	11-10	63898-50	11-10	63899-50	12-11	63900-40	13-12
63895-60	6-5.5			63897-44	12-11	63898-55	12-11	63899-55	13-12	63900-44	14-13
63895-65	6.5-6			63897-48	13-12	63898-60	13-12	63899-60	14-13	63900-48	15-14
						63898-65	14-13	63899-65	15-14	63900-52	16-15
						63898-70	15-14	63899-70	16-15	63900-56	17-16
						63898-75	16-15	63899-75	17-16	63900-60	18-17
								63899-80	18-17	63900-64	19-18
								63899-85	19-18	63900-68	20-19
								63899-90	20-19	63900-72	21-20
										63900-76	22-21
										63900-80	23-22
										63900-84	24-23
										63900-88	25-24
										63900-92	26-25

▼ 63111

銑刀夾頭柄ER型 MILL COLLET CHICK-ER TYPE



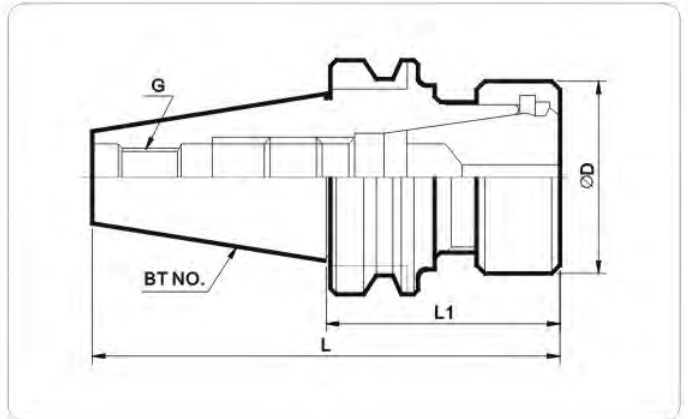
- 本體採用SCM-415鋼材制成，經過熱處理后再精密研磨。
- 拉頭螺紋有公制、英制，可供選擇。
- Main body is made by SCM-415 steel with heat treatment and precisely grinded.
- Screw has two options: metric and British screw.



ORDER NO.	MODEL	L1	L	D	G	N.W (kg)
63111-02	NT30-ER 16-43	43	111.4	28	1/2"×W12 or M12×1.75	0.5
63111-04	NT30-ER 20-45	45	113.4	34		0.6
63111-06	NT30-ER 25-55	55	123.4	42		0.7
63111-08	NT30-ER 32-60	60	128.4	50		0.8
63111-10	NT30-ER 40-75	75	143.4	63		0.9
63111-12	NT40-ER -16-45	45	138.4	28	5/8"×W11 or M16×2.0	1.0
63111-14	NT40-ER 20-45	45	138.4	34		1.2
63111-16	NT40-ER 25-55	55	148.4	42		1.3
63111-18	NT40-ER 32-60	60	453.4	50		1.3
63111-20	NT40-ER 40-70	70	163.4	63		1.4
63111-22	NT40-ER 50-80	80	473.4	78		2.0
63111-24	NT50-ER 32-75	75	201.8	50	1"×W8 or M24×3.0	3.2
63111-26	NT50-ER 40-80	80	206.8	63		3.4
63111-28	NT50-ER 50-80	80	206.8	78		3.7
63111-30	R8-ER 16-38	38	135.0	28	7/16"×20UNF	0.7
63111-32	R8-ER 32-60	60	162.0	50		0.9
63111-34	R8-ER 40-65	65	168.0	63		1.0

▼ 63113/63115

BT銑刀夾頭柄ER型
BT MILL COLLET CHICK-ER TYPE



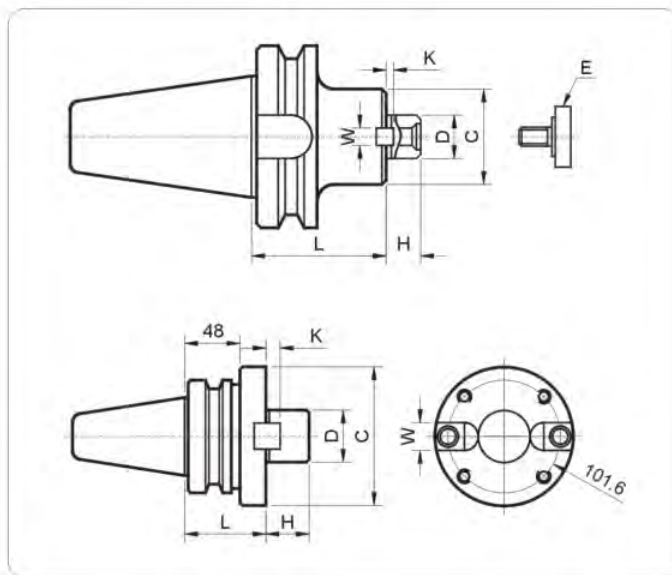
Unit: mm

ORDER NO.	MODEL	L1	L	D	DRAW BAR	N.W.(kg)	
63113-02	BT30-ER 16-70	70	118.4	28	M12×1.75	0.5	
63113-04	BT30-ER 16-100	100	148.4	28		0.6	
63113-06	BT30-ER 16-120	120	168.4	28		0.7	
63113-08	BT30-ER 20-70	70	118.4	34		0.8	
63113-10	BT30-ER 20-135	135	183.4	34		0.9	
63113-12	BT30-ER 25-70	70	118.4	42		1.0	
63113-14	BT30-ER 25-135	135	183.4	42		1.2	
63113-16	BT30-ER 32-70	70	118.4	50		1.3	
63113-18	BT30-ER 32-100	100	148.4	50		1.3	
63113-20	BT30-ER 40-100	80	128.4	63		1.4	
63113-22	BT40-ER 16-70	70	135.4	28		2.0	
63113-24	BT40-ER 16-100	100	165.4	28		3.2	
63113-26	BT40-ER 16-125	125	190.4	28	3.4		
63113-28	BT40-ER 16-150	150	215.4	28	3.7		
63113-30	BT40-ER 20-70	70	135.4	34	0.7		
63113-32	BT40-ER 20-100	100	155.4	34	0.9		
63113-34	BT40-ER 20-135	135	190.4	34	1.0		
63113-36	BT40-ER 20-150	150	215.4	34			
63113-38	BT40-ER 25-70	70	135.4	42			
63113-40	BT40-ER 25-90	90	165.4	42	M16×2.0		
63113-42	BT40-ER 25-125	125	215.4	42			
63113-44	BT40-ER 25-150	150	145.4	42			
63113-46	BT40-ER 32-70	70	165.4	50			
63113-48	BT40-ER 32-100	100	185.4	50			
63113-50	BT40-ER 32-150	150	215.4	50			
63113-52	BT40-ER 40-80	80	145.4	63			
63113-54	BT40-ER 40-100	100	165.4	63			
63113-56	BT40-ER 40-120	120	185.4	63			
63113-58	BT40-ER 40-150	150	215.4	63			
63113-60	BT40-ER 50-85	85	145.4	78		M24×3.0	
63113-62	BT40-ER 50-100	100	165.4	78			

ORDER NO.	MODEL	L1	L	D	DRAW BAR	N.W.(kg)
63115-01	BT50-ER 16-70	70	171.8	28	M24×3.0	4.2
63115-03	BT50-ER 16-90	90	191.8	28		4.1
63115-05	BT50-ER 16-105	105	206.8	28		4.3
63115-07	BT50-ER 16-135	135	236.8	28		4.4
63115-09	BT50-ER 16-150	150	251.8	28		4.5
63115-11	BT50-ER 16-165	165	266.8	28		4.5
63115-13	BT50-ER 20-70	70	171.8	34		4.2
63115-15	BT50-ER 20-90	90	191.8	34		4.3
63115-17	BT50-ER 20-105	105	206.8	34		4.3
63115-19	BT50-ER 20-135	135	236.8	34		4.6
63115-21	BT50-ER 20-150	150	251.8	34		4.7
63115-23	BT50-ER 20-165	165	266.8	34		4.8
63115-25	BT50-ER 20-200	200	301.8	34	4.9	
63115-27	BT50-ER 25-70	70	171.8	42	4.2	
63115-29	BT50-ER 25-105	105	206.8	42	4.4	
63115-31	BT50-ER 25-135	135	236.8	42	4.7	
63115-33	BT50-ER 25-165	165	266.8	42	5.0	
63115-35	BT50-ER 32-80	80	181.8	50	4.7	
63115-37	BT50-ER 32-100	100	201.8	50	4.8	
63115-39	BT50-ER 32-120	120	221.8	50	4.9	
63115-41	BT50-ER 32-150	150	251.8	50	5.3	
63115-43	BT50-ER 32-200	200	301.8	50	5.5	
63115-45	BT50-ER 40-80	80	181.8	63	4.3	
63115-47	BT50-ER 40-100	100	201.8	63	4.4	
63115-49	BT50-ER 40-120	120	221.8	63	5.2	
63115-51	BT50-ER 40-135	135	236.8	63	5.5	
63115-53	BT50-ER 50-90	90	191.8	78	4.6	
63115-55	BT50-ER 50-120	120	221.8	78	5.1	
63115-57	BT50-ER 50-165	165	266.8	78	6.1	

▼ 63121

BT平面銑刀柄 BT FACE MILL ARBOR



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Unit: mm

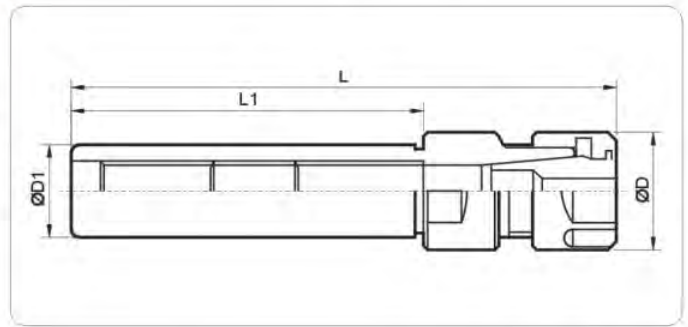
ORDER NO.	MODEL	D	L	C	E	H	K	W	N.W (kg)
63121-02	BT40-FMB 22-45	22	45	48	26	18	4.8	10	1.5
63121-04	BT40-FMB 22-60	22	60						1.7
63121-06	BT40-FMB 22-100	22	100						2.2
63121-08	BT40-FMB 22-150	22	150						3.1
63121-10	BT40-FMB 22-200	22	200						3.1
63121-12	BT40-FMB 27-45	27	45	60	31.5	20	5.8	12	1.6
63121-14	BT40-FMB 27-60	27	60						2.0
63121-16	BT40-FMB 27-90	27	90						2.3
63121-18	BT40-FMB 27-105	27	105						2.5
63121-20	BT40-FMB 32-45	32	45						78
63121-22	BT40-FMB 32-60	32	60	2.1					
63121-24	BT40-FMB 40-60	40	60	80	48	25	8.3	16	2.8
63121-26	BT50-FMB 22-45	22	45	48	26	18	4.8	10	4.5
63121-28	BT50-FMB 22-90	22	90						5.1
63121-30	BT50-FMB 22-150	22	150						6.8
63121-32	BT50-FMB 22-200	22	200						7.0
63121-34	BT50-FMB 27-50	27	50						60
63121-36	BT50-FMB 27-90	27	90	5.4					
63121-38	BT50-FMB 27-150	27	150	7.5					
63121-40	BT50-FMB 27-200	27	200	9.5					
63121-42	BT50-FMB 32-50	32	50	78	41	22	6.8	14	
63121-44	BT50-FMB 32-90	32	90						5.8
63121-46	BT50-FMB 40-50	40	50	89	18	25	8.3	16	5.2
63121-48	BT50-FMB 40-90	40	90						6.0
63121-50	BT50-FMB 40-105	40	105						98
63121-52	BT50-FMB 40F-75	40	75	110	-	26	8.3	16	6.0
63121-54	BT50-FMB 60F-75	60	75	140	-	25	12.5	25.4	8.5

▼ **63123**

直柄ER銑刀夾頭柄
STRAIGHT SHANK COLLET



- 直筒型柄身，適用夾持小型銑刀具。
- 外徑，錐度和螺紋經過精密研磨。
- 螺帽直接鎖緊，剛性大，夾持力大。
- Straight cylindrical stem suitable to clip small drilling or milling tools.
- Outer diameter, taper and screw are under precise grinding process.
- Nut is fastened directly, the rigidity and holding strength is outstanding.



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Unit: mm

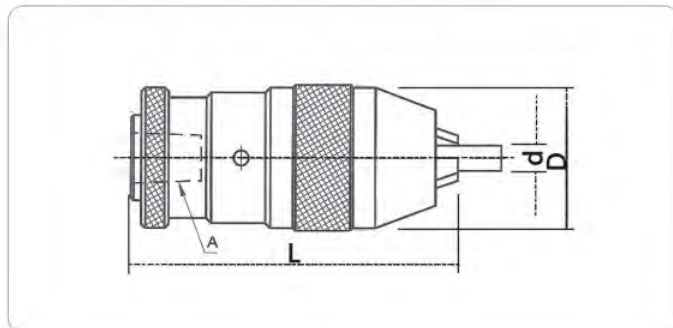
ORDER NO.	MODEL	D1	D	L1	L	N.W (kg)
63123-02	C16-ER16-50	16	28	50	85	0.2
63123-04	C16-ER16-100	16	28	100	135	0.2
63123-06	C16-ER16-150	16	28	150	185	0.3
63123-08	C20-ER16-50	20	28	50	85	0.3
63123-10	C20-ER16-100	20	28	100	135	0.4
63123-12	C20-ER16-150	20	28	150	185	0.4
63123-14	C20-ER20-60	20	34	60	100	0.4
63123-16	C20-ER20-120	20	34	120	160	0.4
63123-18	C20-ER20-140	20	34	135	175	0.5
63123-20	C20-ER20-180	20	34	180	220	0.6
63123-22	C20-ER25-50	20	42	50	101	0.4
63123-24	C20-ER25-100	20	42	100	151	0.5
63123-26	C20-ER32-50	20	50	50	101	0.4
63123-28	C20-ER32-100	20	50	100	151	0.6
63123-30	C25-ER25-50	25	42	50	101	0.4
63123-32	C32-ER25-100	32	42	50	101	0.6
63123-34	C25-ER25-100	25	42	50	101	0.5
63123-36	C25-ER25-50	25	50	50	101	0.6
63123-38	C25-ER40-50	25	63	50	115	2.1
63123-40	C32-ER32-60	32	50	60	111	1.2
63123-42	C32-ER40-50	32	63	50	115	2.2

▼ 63125

自鎖式鑽夾頭 DRILL CHUCKS



- 握把可直接轉緊，操作方便，夾持力佳。
- 精度高，錐孔符合DIN規格
- Directly turn to fasten handle, easy to operate and holding strength good.
- High precision, taper hole can meet DIN spec.



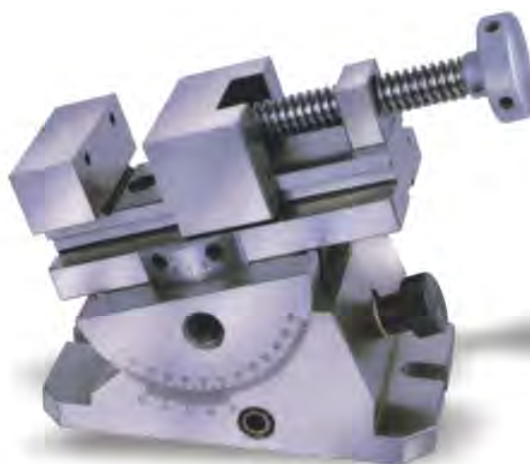
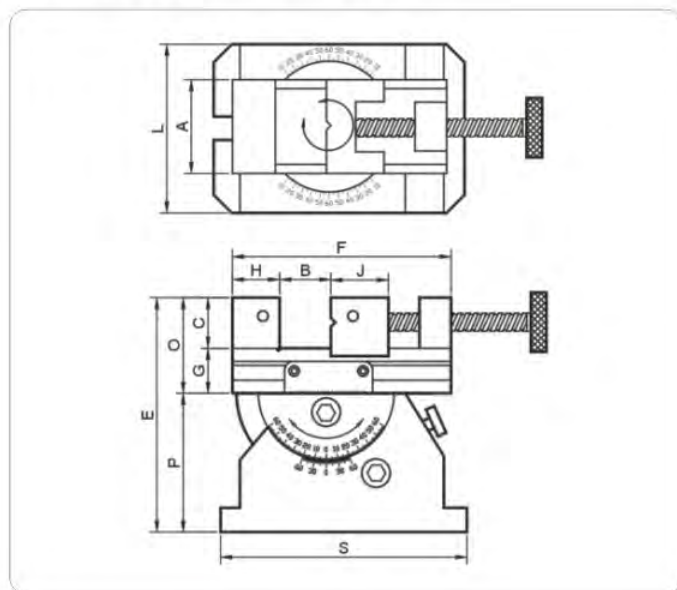
Unit: mm

ORDER NO.	MODEL	d	D	A	L	N.W (kg)
63125-02	PU08-J1	0-8	36	J1	61	0.3
63125-04	PU10-J2S	0-10	43	J2S	81	0.4
63125-06	PU16-J6	0-13	51.5	J6	132	1.1

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▼ 63131

萬向精密虎鉗 PRECISION UNIVERSAL VISE



VAP

Unit: mm

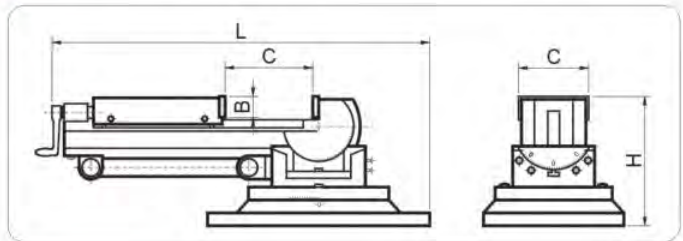
ORDER NO.	MODEL	A	B	C	E	F	G	H	J	L	O	P	S	N.W (kg)
63131-70	VAP70	70	80	30	137	160	32	33	45	110	62	75	180	12
63131-120	VAP120	120	150	40	210	270	50	55	70	160	90	120	270	43



▼ **63133**

萬能三向角度虎鉗
UNIVERSAL 3-WAY ANGLE MILLING VISE

- 虎鉗可作三個方向的角度設定。
- 底座可做360度任意定位。
- 上下可0度至90度任意定位。
- 左右可做各45度任意傾角。
- Vise can make angle setting on three directions.
- Seat can be positioned in 360° around.
- 0~90° positioned to perpendicular angle.
- 0~45° positioned to side angle.



Unit: mm

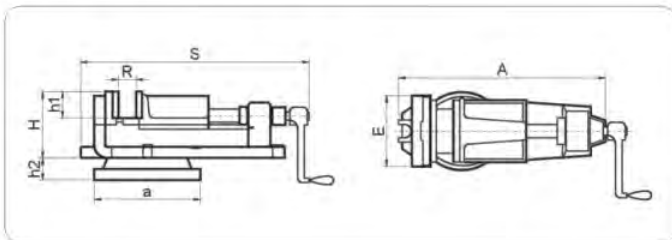
ORDER NO.	MODEL	A	B	C	H	L	VERTICAL HEIGHT	N.W (kg)
63133-03	AV3	90	30	80	150	236	356	17
63133-04	AV4	105	38	100	172	280	470	33
63133-05	AV5	140	40	132	205	625	590	45

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▼ **63135**

K型虎鉗
K-TYPE MILLING VISE

- 本體與固定虎口為一體成形，剛性強不易變形。
- 底座有度數刻劃，主體可平面360度旋轉固定使用。
- Body and V fixing slot is formed in one piece, the rigidity is large and hard to deform.
- Partition scale made at seat, main body can rotate 360° around on horizontal plane and fixed to operate.



VK

Unit: mm

ORDER NO.	MODEL	E	A	B	H	R	S	a	b	h1	h2	N.W (kg)
63135-04	VK4	100	267	106	75	65	295	160	114	30	25	10
63135-05	VK5	125	340	130	99	80	400	210	155	38	30	17
63135-06	VK6	150	421	160	105	114	462	245	175	40	40	27
63135-08	VK8	200	576	215	144	150	620	340	230	58	48	52



▼ 63141

角固式虎鉗 ANG-FIXED MILLING VISE

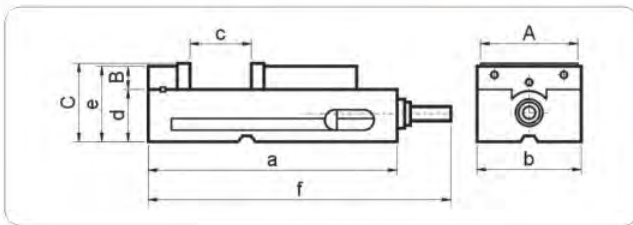
Here is the just right vise for use on all your tape controlled machine to tools.

What the vise doesn't have is a coolant through. This enables you to anchor a series of these vises snugly side-by-side on the machine bed. A number of similar parts can be clamped and machined at the same time.

With minimum center-to-center machining distance. Up goes your production rate, down goes costs.

Both sides are precision ground square to bottom and parallel with each other and so the vise can also be used at vertical position with its vise bed perfectly perpendicular to the machine table.

- Can be placed side-by-side on your N/C equipment.
- Permits fast accurate multiple machining
- Sides ground.
- The squareness of both sides within 0.01 mm and parallelism within 0.02 mm.
- Keyways on bottom to steady jaw plate.



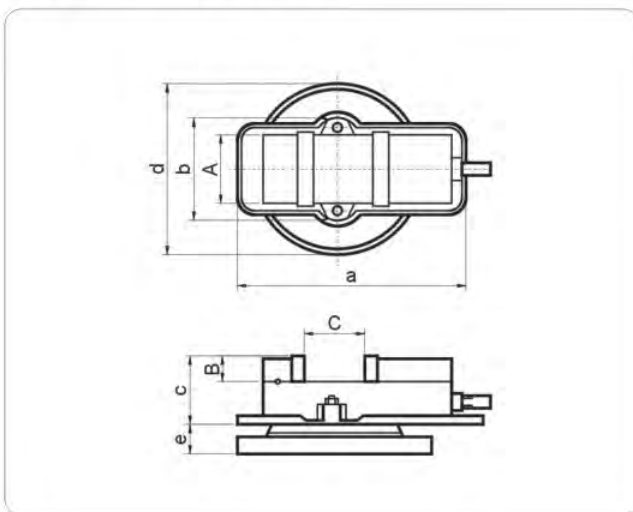
Unit: mm

ORDER NO.	MODEL	A	B	C	a	b	c	d	e	f	N.W (kg)
63141-04	VG4	102	40	120	332	105	108	68	100	372	20
63141-06	VG6	130	44	144	370	115	117	73	111	438	30

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▼ 63143

角固式虎鉗 ANG-FIXED MILLING VISE



Unit: mm

ORDER NO.	MODEL	A	B	C	a	b	c	d	e	N.W (kg)
63143-04	VL4	102	34	104	320	175	92	240	28	20
63143-05	VL5	130	36	130	360	212	100	254	35	31
63143-06	VL6	150	45	146	420	240	117	324	42	42
63143-08	VL8	200	58	200	550	296	141	380	48	97

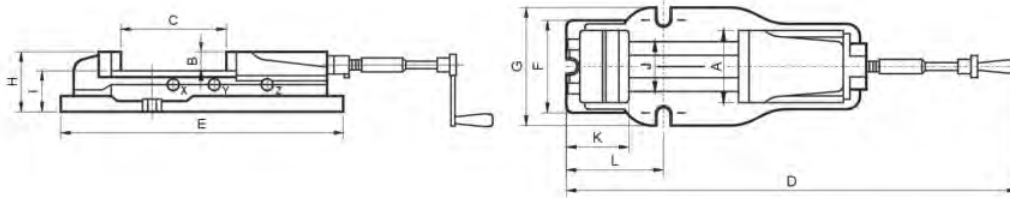
HVA



▼ **63145**

油壓虎鉗
HYDRAULIC MACHINE VISE

- 內藏式油壓、增壓設計，以瞬間之力輕敲把手即自動換成增壓進給，可發揮強而有力的夾持力。
- Built-in hydraulic and pressure-adding design, instantly knock handle will change to pressure-adding feed automatically and show powerful holding strength.



Unit: mm

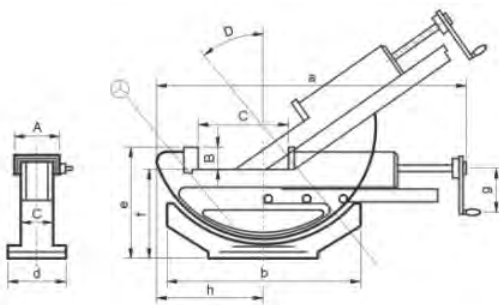
ORDER NO.	MODEL	A	B	C	D	E	F	G	H	I	J	K	L	GLAMPIN G FORCE	WEIGHT BODY	WEIGHT SWIVE BASE
63145-04	HVA4	100	36	170	525	430	130	160	94	60	78	100	155	2500kgf	16kg	6kg
63145-05	HVA5	125	46	220	670	540	165	185	118	72	97	127	185	3500kgf	33kg	7kg
63145-06	HVA6	150	56	270	800	620	200	230	142	82	116	155	240	4500kgf	54kg	16kg
63145-08	HVA8	200	62	300	900	700	225	280	160	100	160	150	265	8500kgf	90kg	20kg

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▼ **63151**

雙向油壓虎鉗
TWO WAY HYDRAULIC MACHINE VISE

- 油壓：增壓設計，可發揮強而有力的加持力。
- 可傾斜角度及平面旋轉角度使用。
- Hydraulic pressure: the pressure-adding design that can show powerful holding force.
- Can apply inclined angle and plane rotation angle.



HVB



Unit: mm

ORDER NO.	MODEL	A	B	C	D	a	b	c	d	e	f	g	h	GLAMPIN G FORCE	WEIGHT BODY	WEIGHT SWIVE BASE
63151-04	HVB4	100	36	170	50	505	325	65	160	177	141	80	170	2500kgf	23kg	6kg
63151-06	HVB6	150	51	300	50	775	410	95	240	237	186	100	200	3500kgf	60kg	7kg



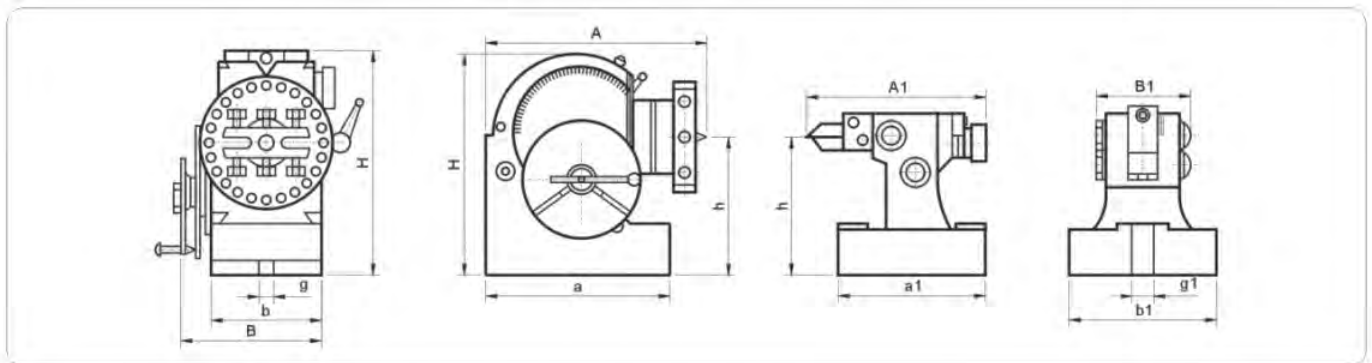
▼ 63153

萬能分度頭 SEMI-UNIVERSAL DIVIDING HEAD



- 采用高強度FC30鑄鐵製造。
- 適合銑床、鑽床或其它特殊機械作簡易快速分割使用。
- 直接分度盤可作2、3、4、6、8、12、24等份快速分割，配合蜂巢板也可作2至380不等份分割。
- 可調整傾斜角度從0至90度。
- 配合蜂巢板可做不等份分割使用。
- 配合銑床附加齒輪，可作運動加工。
- 可附加三爪夾頭，做軸心加工。
- 減速比1:40
- Made by FC30 high-strength casting iron.
- Suitable to driller, miller or other special machines making simple fast partition task.
- The direct partition disc can make fast partition to 2, 3, 4, 6, 8, 12 & 24 pieces equally, or 2~380 unequal partition as work with honeycomb plate. 0~90° adjust the inclined angle.
- Work with honeycomb plate to make uneven partition.
- Work with miller to add gear making kinetic machining process.
- Add three-piece clamping head to make spindle machining process.
- Speed reduction ratio: 1:40

www.lincoprecision.cn



Unit: mm

ORDER NO.	MODEL	A	B	H	h	a	b	g	A1	B1	H1	a1	b1	g1	TAPER OF CENTER	DIAMETER OF SPINDLE HOLE	N.W (kg)
63151-04	HVB4	189	140	173	100	160	91	13	167	80	107.5	130	92	13	B&S NO.7	18	24
63151-06	HVB6	283	156	220	128	207	114	16	191	80	137	150	108	16	B&S NO.9	20	36

STANDARD ACCESSORIES (附屬品規格)

Dividing plate A.B.C (蜂巢板A.B.C)

Numbers of holes of dividing plate (worm gear reduction ratio 1:40) (蜂巢板孔數量 (螺旋齒減速比: 1:40))

NUMBERS OF HOLE	Plate A	15	16	17	18	19	20
	Plate B	21	23	27	29	31	33
	Plate C	37	39	41	43	47	49



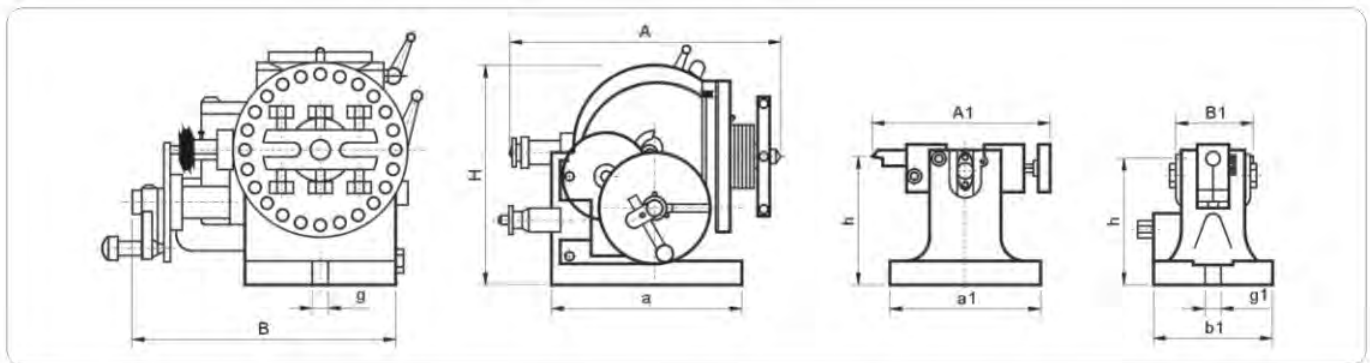
▼ 63155

萬能分度頭
UNIVERSAL DIVIDING HEAD



- 採用高強度FC30鑄鐵製造。
- 適合銑床、鑽床或其它特殊機械作簡易快速分割使用。
- 直接分度盤可作2、3、4、6、8、12、24等份快速分割，配合蜂巢板也可作2至380不等份分割。
- 可調整傾斜角度從0至90度。
- 配合蜂巢板可做不等份分割使用。
- 配合銑床附加齒輪，可作運動加工。
- 可附加三爪夾頭，做軸心加工。
- 減速比1:40
- Made by FC30 high-strength casting iron.
- Suitable to driller, miller or other special machines making simple fast partition task.
- The direct partition disc can make fast partition to 2, 3, 4, 6, 8, 12 & 24 pieces equally, or 2~380 unequal partition as work with honeycomb plate. 0~90° adjust the inclined angle.
- Work with honeycomb plate to make uneven partition.
- Work with miller to add gear making kinetic machining process.
- Add three-piece slipping head to make spindle machining process.
- Speed reduction ratio: 1:40

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Unit: mm

ORDER NO.	MODEL	A	B	B	h	a	a	g	A1	B1	H1	a1	b1	g1	TAPER OF CENTER	N.W (kg)
63155	BS2	365	272	236	132.7	213	134	16	205~255	88	139	175	124	16	B&S NO.10	76

STANDARD ACCESSORIES (附屬品規格)

Dividing plate A.B.C (蜂巢板A.B.C)

Numbers of holes of dividing plate (worm gear reduction ratio 1:40) (蜂巢板孔數量 (螺旋齒減速比: 1:40))

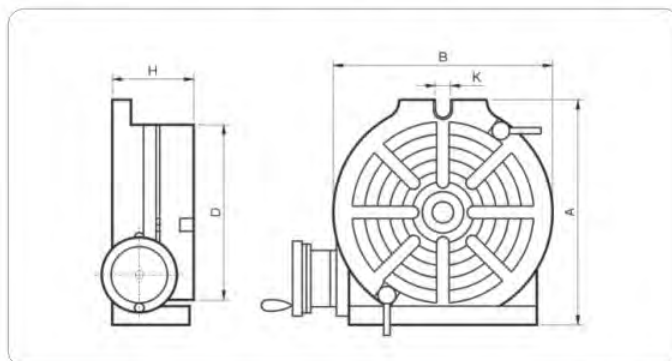
NUMBERS OF HOLE	Plate A	15	16	17	18	19	20
	Plate B	21	23	27	29	31	33
	Plate C	37	39	41	43	47	49



▼ 63161

橫立兩用分度盤

HORIZONTAL AND VERTICAL ROTARY TABLE



Unit: mm

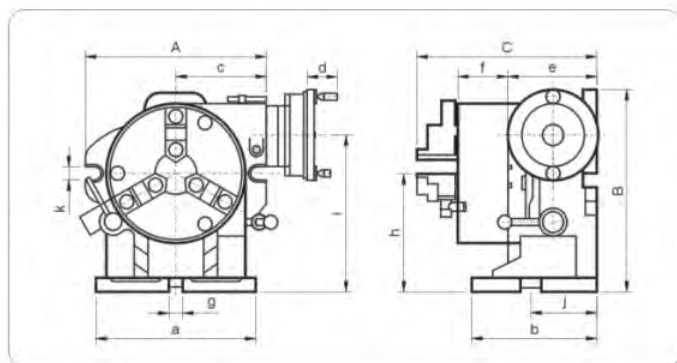
ORDER NO.	MODEL	BASE DIMENSION		TABLE		BOLT SLOTS	CENTER SLEEVE	WORM GEAR RATIO	N.W (kg)
		A	B	D	H	K			
63161-06	HV6	220	160	150	78	15	MT-2	90.:1	13.5
63161-08	HV8	310	225	200	110	17	MT-3		27.5
63161-10	HV10	320	280	250	110	17	MT-3		42
63161-12	HV12	410	325	300	140	17	MT-4		72
63161-14	HV14	490	380	350	170	17	MT-4		98
63161-16	HV16	510	435	400	180	17	MT-5		130

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▼ 63163

強力型快速分度盤

SUPER INDEX SPACER



Unit: mm

ORDER NO.	MODEL	DIVIDABLE NUMBER	CHUCK				FACE PLATE	
			OUTER DIAMETER	INNER DIAMETER	OUTER JAW	INNER JAW	OUTER DIAMETER	THICKNESS
63163-06	CS6	2,3,4,6	167	44	10~156	4~42	203	50
63163-08	CS8	8,12,24			10~180	4~62		

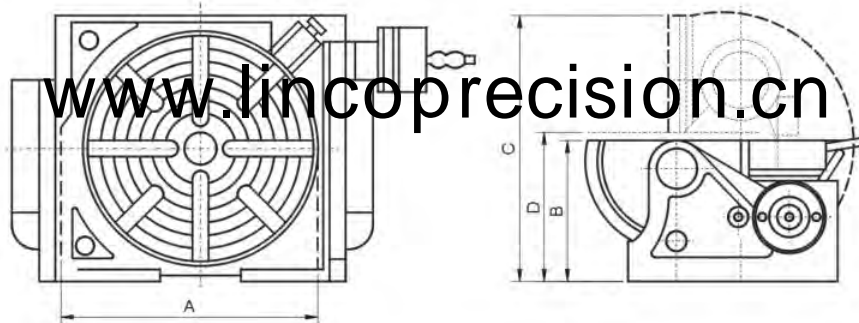
MODEL	A	B	C	a	b	c	d	e	f	g	h	i	j	k	N.W (kg)
CS6	250	221	221	220	150	184	82	112	66	16	130	186	80	18	35
CS8	310	285	243	225	160	201	82	125	75	16	150	232	90	18	70

▼ 63165

可傾式萬能分度盤
UNIVERSAL TILTING ROTARY TABLE

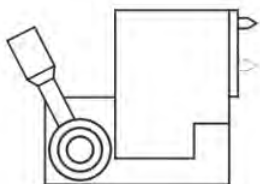


- 採用高強度FC30鑄鐵製造。
- 適合銑床、鑽床，或其它特殊機械作萬能傾斜分割使用，也可作(24等分)快速分割。
- 工作台傾斜角度從0至90度，分割角度0至360度。
- 可配合蜂巢板做不等份分割使用。
- 減速比1:90手輪轉一圈為4度。
- Made by FC30 high-strength casting iron.
- Suitable to make universal inclined partition to miller, driller or other special machines, or make (24-division) fast partition.
- The inclined angle of work bench is 0~90 degree, the partition angle is 0~360 degree.
- Can coordinate to honeycomb plate performing uneven partition.
- Speed reducing ratio is 1:90, 4 degrees per one turn of handwheel.



OPTIONAL ACCESSORIES

TALL STOCK



CENTER HIGHT:
Max.230mm
Min.113mm

DIVIDING PLATE SET

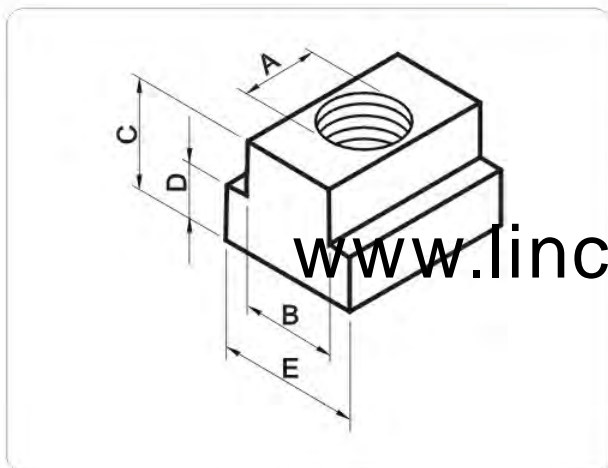
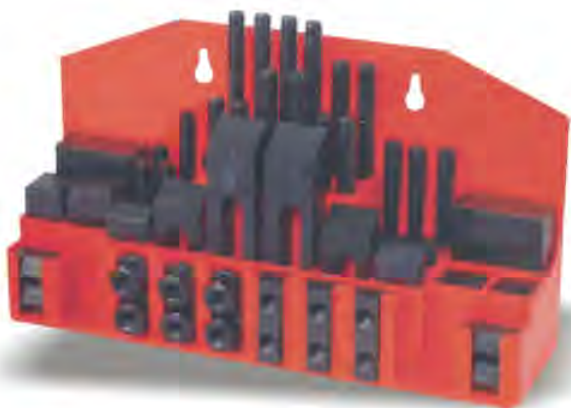
NUMBER OF HOLES,
A Plate: 9,28,34,41,47,10,29,35,43,49
B Plate: 21,31,37,44,53,26,32,38,46,59
C Plate: 61,71,77,83,91,67,73,79,89,97

Unit: mm

ORDER NO.	MODEL	TABLE DIAMETER A	TABLE HEIGHT HORIZONTAL B	TABLE O/A HEIGHT VERTICAL C	CENTER HOLE	CENTER HEIGHT	DIRECT INDEXING	GEAR RATIO
63165	VU300	300	105	370	MT50	208	24-DIV	90:1

▼ 63171

組合壓板 CLAMPING KIT



適用於各型機械工作台T型槽之規格，專為模具、治具板等固定使用。

*螺桿的螺紋兩邊各25mm長，共有如下24支：

公制螺桿長度各為75、100、125、150、175、200mm各4支。

英制螺桿長度各為3"、4"、5"、6"、7"、8"各4支。

*6個T型螺帽。

*6個接頭螺帽。

*6個接頭螺帽。

*6組齒型壓板。

*6組齒型墊塊。

Applied to the T-slot of various machine workbenches, on particular for the use of fixing mold or fixture plates.

*Screw length is 25mm on both end of screw bolt; 24 pieces in total:

Four pieces for 75, 100, 125, 150, 175 & 200mm (in metric unit), and 3", 4", 5", 6", 7" & 8" each (in British unit) each.

*Six nuts

*Six fange nuts

*Six connecting-head nuts

*Six teeth-shaped plates

*Six teeth-shaped pads

Unit: mm

ORDER NO.	MODEL	A	B	C	D	E	MEAS CFT	N.W (kg)
63171-02	103A	3/8"-16UNC	7/16"	1/2"	7/32"	11/16"	(C)0.8	8
63171-04	103B	3/8"-16UNC	1/2"	1/2"	9/32"	7/8"	(C)0.8	8
63171-06	104A	1/2"-13UNC	9/16"	5/8"	11/32"	7/8"	(C)1.0	11.7
63171-08	104B	1/2"-13UNC	5/8"	5/8"	11/32"	1"	(C)1.0	11.7
63171-10	104C	1/2"-12UNC	5/8"	5/8"	11/32"	7/8"	(C)1.0	11.7
63171-12	104D	1/2"-12UNC	5/8"	5/8"	11/32"	1"	(C)1.0	11.7
63171-14	105A	1/2"-11UNC	3/4"	3/4"	7/16"	1-1/8"	(C)1.5	14.5
63171-16	105B	1/2"-11UNC	3/4"	3/4"	15/32"	1-1/4"	(C)1.5	14.5

Unit: mm

ORDER NO.	MODEL	A	B	C	D	E	MEAS CFT	N.W (kg)
63171-18	08	M8×P1.25	10	12	6	16	(C)0.8	7.0
63171-20	10	M10×P1.5	12	14	7	18	(C)0.8	8.5
63171-22	12A	M12×P1.75	14	16	8	22	(C)1.0	11.0
63171-24	12B	M12×P1.75	16	16	8	25	(C)1.0	11.0
63171-26	14	M14×P2.0	16	16	8	25	(C)1.5	12.5
63171-28	16	M16×P2.0	18	20	11	28	(C)1.5	14.5
63171-30	18	M18×P2.5	20	24	12	32	(C)1.5	31.0

▼ 63173

定位器
WORK STOPPER



- 本體鋁合金材質，可裝配在普通型的機台上。
- 可任意調整高低、角度，任一方向的定位。
- Body is made by aluminum alloy that can be installed to ordinary machine.
- Able to freely adjust height and angle; and positioned in any direction.

160AH/BH

ORDER NO.	MODEL	APPLY TO	Unit: mm N.W (kg)
63173-02	160AH	All MACHINE	1.0
63173-04	160BH	MODELS	0.8

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▼ 63175

砂布輪倒角機
CHAMFERING & DEBURRING MACHINE

- 采用砂布輪做研磨切削，軟硬材質皆可倒角。
- 適合熱處理過的工作，機械零件倒角。
- 倒角面精細，不起毛邊。
- Use sand-cloth wheel to make grind cutting; can cut back-angle on soft/hard material.
- Applied to cut back-angle of hardened work pieces.
- The cutting surface is fine and free from burr.

規格 Specification

- 外型尺寸：380×320×310mm(長寬高)
- 砂輪尺寸：外徑 Ø165mm，內孔 Ø22mm
- 滑輪長度：500mm
- 倒角深度：0-3mm
- Outline dimension: 380Length (L)×320Width (W)×310Height (H)
- Grinding wheel size: Outer diameter Ø165mm
- Inner opening Ø22mm
- Pulley length
- Back-cut depth



1020TS



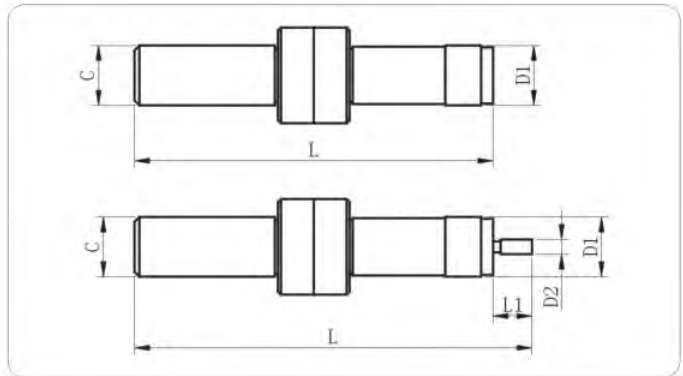
420TS



63181

偏心式尋邊器 MECHANICAL EDGE FINDER

- 可量測設定工件的X、Y軸座標。
- 有 $\varnothing 4\text{mm}$ 測頭，供小孔徑及窄槽使用。
- 須配合轉速400-600RPM使用。
- Applied to measure the X- & Y-axis coordinates of work piece.
- $\varnothing 4\text{mm}$ detector available to measure tiny hole and slot.
- Applied in 400-600 RPM of rotation.



Unit: mm

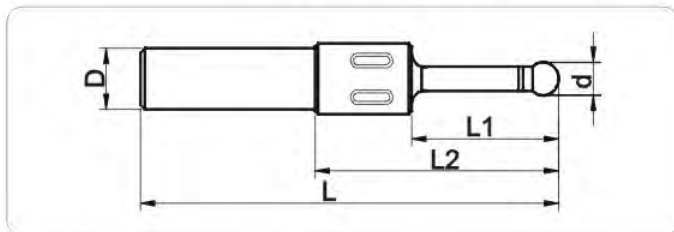
ORDER NO.	MODEL	D	d	L	L1	D2	N.W (kg)
63181-02	1020TS	10	10	82	-	10	0.14
63181-04	420TS	10	10	90	7	4	0.15

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63183

光電式尋邊器 OPTIACL EDGE FINDER

- 不須運轉即可量測。
- 可量測設定工件的X、Y軸座標。
- 探頭接觸工件時，有聲音及閃紅燈提示。
- 測柄和探頭中心的偏差精度0.005mm內。
- Can measure at stationary state.
- Applied to measure the X- & Y-axis coordinates of work piece.
- When detector touches work piece, alarm and red-light flash will arise.
- Tolerance between test stem and detector center is within 0.005mm.



Unit: mm

ORDER NO.	MODEL	D	d	L	L1	L2	N.W (kg)
63183-02	20TS	20	10	160	85	50	0.36
63183-04	32TS	32	10	160	85	50	0.61

32TS



20TS



ECEA



▼ **63185**

萬向磁性座
UNIVERSAL ARM MAGNETIC BASE

- 機械式制動，測頭可輕易的調整任何方向并隨意的固定。
- 機械式制動，性能可靠，沒有油壓式漏油損耗之缺點。
- Mechanical driving; the detector can be easily adjusted toward any direction and fixed as wish.

Mechanical driving, reliable performance, free from oil leak in hydraulic system.

FEATURES

- 1.New designed of arm, much more stable and accuracy.
- 2.Principle of Mechanical and Hydraulic arms.
- 3.Guaranteed firm and solid for joints by a tightening knob.
- 4.Multi nimble joints for instant fixation in any positions.
- 5.Eliminate vibration and movement from magnetic base.

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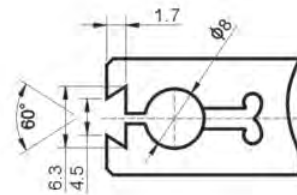
ECEB



ECEC



Accept dovetail and
Ø 8 mm indicator



Unit: mm

ORDER NO.	MODEL	HOLDING POWER	ARM LENGTH	BASE DIMENSION			N.W (kg)
				E	F	G	
63185-02	ECEA	80kgf	300	60	50	55	1.4
63185-04	ECEB	80kgf	345	60	50	55	1.6
63185-06	ECEC	80kgf	345	60	50	55	1.7

▼ 63191

高速切割機

EJECTOR PIN CUTTING OF MACHINE

- 適合模具、圓梢，不銹鋼之切斷等。
 - 熱處理材料切斷面美觀，不起毛邊。
 - 使用簡便，切削速度快，可縮短工作時間。
 - 不易故障，無振動，噪音小，灰塵少。
 - 體積小小，不占空間，砂輪片更換容易。
- Suitable to cut down mold, round pin and stainless steel products.
 - Cutting surface of heat-treated material is smooth without burr.
 - Easy to apply, fast cutting, operation time is short.
 - Hard to get disorder, no vibration, low noise and minor dust occurred.
 - Tiny volume, easy to change grinding wheel.

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Unit: mm

ORDER NO.	MODEL	最大切斷 範圍	切斷 公差	砂輪片尺寸			轉速	電壓	定位 長度	重量 (kg)
				外徑	厚度	內徑				
63191-11	TY110	Ø20 100mm(寬)	20±0.10mm	150mm	1mm	19.05mm	3600	1/2HP 110V單相	300mm	86
63191-22	TY220	Ø20 100mm(寬)	20±0.10mm	150mm	1mm	19.05mm	3600	1/2HP 200V單相	300mm	86

▼ 63193

精密切斷研磨機

RODS PRECISION CUTTING OFF AND END SURFACE GRINDING MACHINE



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- 適合模具、圓梢、不銹鋼等，要求精密切斷面之加工物。
 - 切斷、研磨一次完成，可縮短工作時間，切斷面角度精準。
 - 採用快速夾具設計，夾持方便快速。
 - 微調分厘卡尺，可快速定位尺寸。
 - 研磨砂輪，使用中可隨時微調修整，尺寸不變。
 - 穩定性高，磨損率低，使用壽命長。
- Suitable to work piece requiring precise cutting cross section such as mold, round pin or stainless steel piece.
 - Cut and grind the work piece in one step; the working time is short and cutting section angle is precise.
 - Apply fast-clipping jig, clipping process is fast and convenient.
 - Fine-tuned caliper to make quick dimension-positioning task.
 - To trim grinding wheel, able to timely fine-tune and dimension is unchanged.
 - High stability, low wearing rate and long operation lifetime.

Unit: mm

ORDER NO.	MODEL	切割精度	直角精度	砂輪片尺寸	轉速	電壓	定位長度	重量 (kg)
63193-01	TY300X110V	Ø25×300±0.01	Ø25×90°±0.01	WA46K×100×50×20	3600	3/4HP 110V電壓	300mm	87.5
63193-03	TY300X220V	Ø25×300±0.01	Ø25×90°±0.01			3/4HP 220V電壓	300mm	87.5
63193-05	TY300X380V	Ø25×300±0.01	Ø25×90°±0.01			3/4HP 380V電壓	300mm	87.5
63193-07	TY500X110V	Ø25×300±0.02	Ø25×90°±0.02			3/4HP 110V電壓	500mm	
63193-09	TY500X220V	Ø25×300±0.02	Ø25×90°±0.02			3/4HP 220V電壓	500mm	91.5
63193-11	TY500X380V	Ø25×300±0.02	Ø25×90°±0.02			3/4HP 380V電壓	500mm	
63193-13	TY600X110V	Ø25×300±0.03	Ø25×90°±0.03			3/4HP 110V電壓	600mm	93.5
63193-15	TY600X220V	Ø25×300±0.03	Ø25×90°±0.03			3/4HP 220V電壓	600mm	
63193-17	TY600X380V	Ø25×300±0.03	Ø25×90°±0.03			3/4HP 380V電壓	600mm	93.5

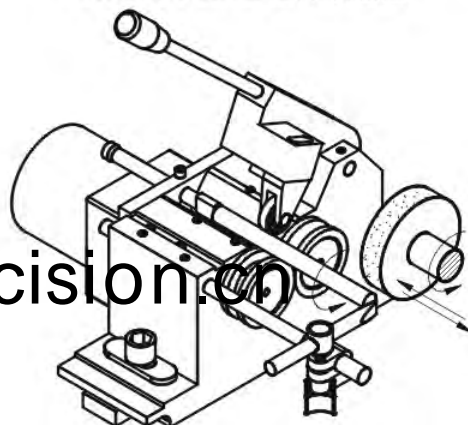
▼ 63195

LINCO精密外徑研磨機-PGAM型 PRECISION EXTERNAL GRINDING MACHINE



- 精密研磨機利用無心夾持結構，工件定位快，加工精度高。
- 雙滾輪裝置，可夾持研磨加工長形射梢、沖頭。
- LINCO-PGAM型可利用所附的砂輪成型器，修整砂輪角度圓弧，以加工各種特殊形狀。
- The high-precision grinding machine applies coreless clipping mechanism, fast to position and high machining precision derived.
- Twin-roller device to clip and grind long pin and punch head.
- Model LINCO-PGAM applies the attached grinding wheel former to trim wheel angle and arc into special shapes.

LINCO-PGAM 工作示意圖



www.lincoprecision.cn

規格spec	機型model	Linco-PGAM 外徑研磨機 External Grinding Machine	選購配件
夾持工件範圍 Damping range		Ø1.5~Ø25	<input type="checkbox"/> 光學數顯裝置 <input type="checkbox"/> 冷卻裝置 <input type="checkbox"/> 吸塵裝置 <input type="checkbox"/> 主軸變速 <input type="checkbox"/> 工作頭變速 <input type="checkbox"/> 工作頭大角度(±45度)機型
前段最大行程 max. movement (fron & back)		40mm	
左右最大行程 max. movement (left & right)		70mm	
工作頭轉速 work head rotation speed		180RPM	
工作頭旋轉角度 work head turning angle		±5°	
主軸轉速 spindle rotation speed		8000RPM	
主軸馬達 spindle motor power		1/2HP	
機械尺寸(L×W×H) dimensions		700mm×600mm×600mm	
機械重量 netweight		158kg	
加工範圍 working range		Ø0.5~Ø25	

▼ 63211

LINCO精密內徑研磨機-PGAMD型
PRECISION INTERNAL GRINDING MACHINE



- 精密研磨機利用無心夾持結構，工件定位快，加工精度高。
- 雙滾輪裝置，可夾持研磨加工長形射梢、沖頭。
- The high-precision grinding machine applies coreless clipping mechanism, fast to position and high machining precision derived.
- Twin-roller device to clip and grind long pin and punch head.



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規格spec	機型model	Linco-PGAM 外徑研磨機 External Grinding Machine	選購配件
夾持工件範圍 Damping range		Ø1.5~ Ø25	<input type="checkbox"/> 光學數顯裝置 <input type="checkbox"/> 冷卻裝置 <input type="checkbox"/> 吸塵裝置 <input type="checkbox"/> 工作頭變速 <input type="checkbox"/> 工作頭大角度(±45度)機型
前段最大行程 max. movement (fron & back)		40mm	
左右最大行程 max. movement (left & right)		70mm	
工作頭轉速 work head rotation speed		180RPM	
工作頭旋轉角度 work head turning angle		±5°	
主軸轉速 spindle rotation speed		0~30000RPM	
主軸馬達 spindle motor power		1/2HP	
機械尺寸(L × W × H) dimensions		700mm × 600mm × 735mm	
機械重量 netweight		158kg	
加工範圍 working range		Ø1.0~ Ø20	



▼ 63213

精密平面研磨機

PRECISION GRINDING MACHINE

- 低摩擦介面
- 鑄件內應力消除
- 標準的鏟花表面
- Low friction interface
- Stress relief to cast pieces
- Standard embossing surface

規格spec	機型model	LINCOP-618M	選購配件
最大行程(寬×長) Max movement (W×L)		180mm×485mm	
工作台面至主軸中心距離 Distance between spindle and workbench		400mm	
最大研磨面積(長×寬) Max Grinding range		160×470mm	
吸盤面積 Measure of magnet		150×400mm	
工作台尺寸 Size of workbench		156×420mm	
前後手輪一圈 Net weight		5mm	
前後手輪一刻度 Net weight		0.02mm	
上下手輪一圈 Rotation of vertical hand feed		0.005mm	
上下手輪一刻度 Scale of vertical hand feed		180×16×31.75mm	
砂輪尺寸(外徑×寬×內徑) Size of grinding wheel (outer dia.×W×inner dia.)		180×16×31.75mm	
主軸馬達 Spindle motor power		1KW/1.5HP	
砂輪轉速 Rotational speed of grinding wheel 50/60HZ		3000/3600RPM	
淨重 Net weight		720kg	
毛重 Gross weight		850kg	

- 光學數顯裝置
- 冷卻裝置
- 吸塵裝置
- 主軸變速裝置

K250

K250砂輪法蘭適用於建德磨床主軸
K250 grinding wheel fange can be applied to JIANDE grinding machine spindle



ORDER NO.	N.W(kg)
63215-25	0.8

K350

K350砂輪法蘭適用於大同磨床主軸
K350 grinding wheel fange can be applied to TATUNG grinding machine spindle



ORDER NO.	N.W(kg)
63215-35	1.0

K450

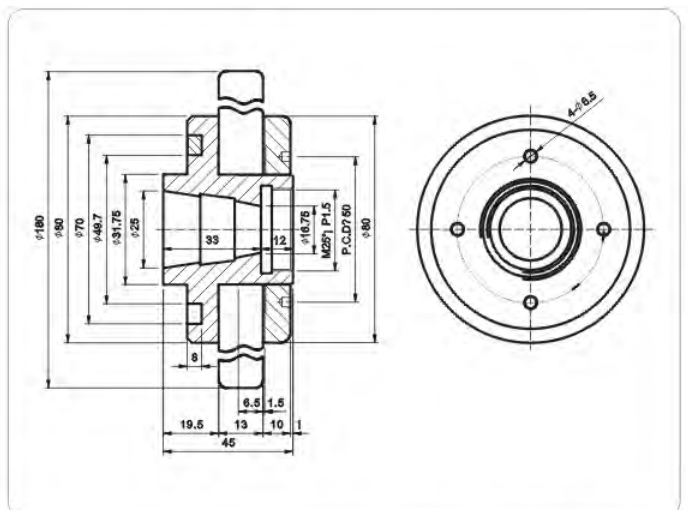
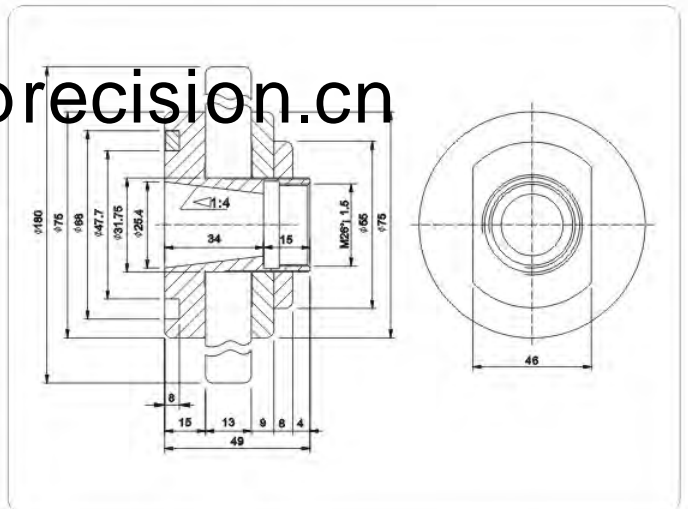
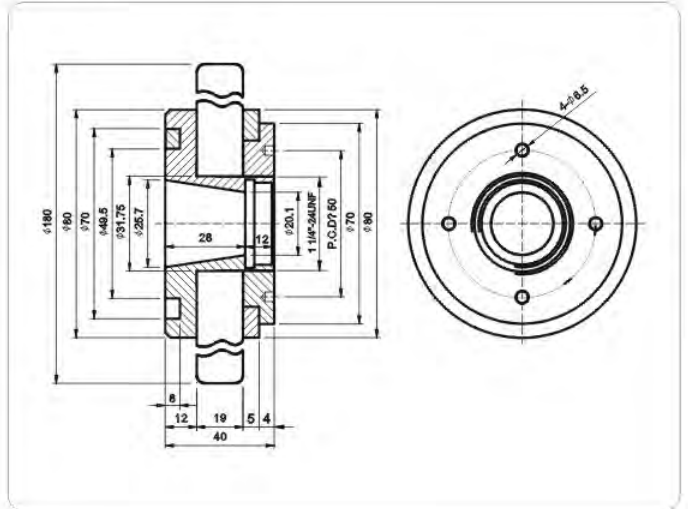
K350砂輪法蘭適用於美規磨床主軸
K450 grinding wheel fange can be applied to USA-standard grinding machine spindl



ORDER NO.	N.W(kg)
63215-45	0.8

63215

砂輪法蘭
FLANGE



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▼ 63221

滑輪式平衡台

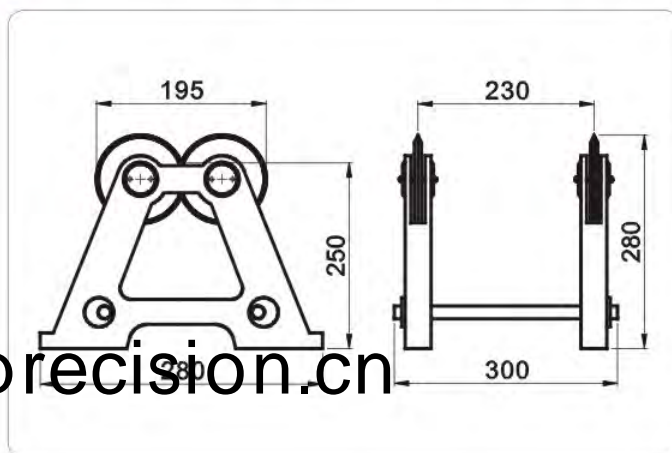
WHEEL BALANCING STAND



BW

N. W : 16.5Kg

- 滑輪軸心上裝置有精密軸承，敏感度在0.3g以內。
- 滑輪表面硬度HV620以上，并經同心研磨。
- 校正砂輪最大外徑16"。
- Precise bearing is equipped to pulley spindle; the sensitivity is within 0.3g
- Pulley's surface hardness is above HV620, with co-axial grinding made.
- The maximum outer diameter of grinding wheel under trim is 16"



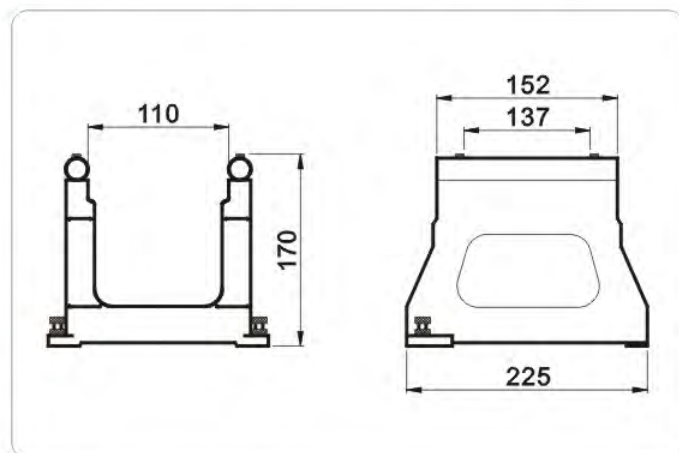
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水平式平衡台

LEVEL BALANCING STAND

- 主體裝置有精密水平儀，利用兩顆調節螺絲即可快速準確的調整水平。
- 校正砂輪最大外徑8"。
- Precise level gauge is equipped on main body; user can rapidly and precisely adjust level status merely by adjusting two screws
- The maximum outer diameter of grinding wheel under trim is 8".



BL

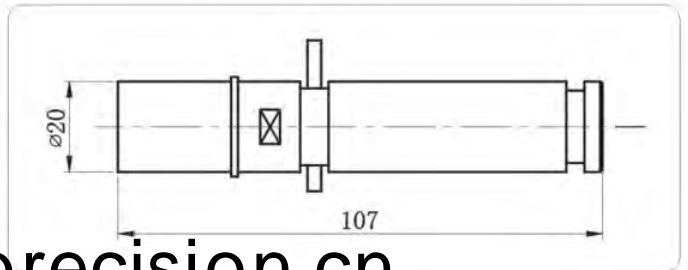
N. W : 7.5Kg

▼ 63225

電極棒
ELECTRODE HOLDER



- RA100是不附銅極的電極棒，使用者可依所需選擇銅極自行焊接。
- 柄部有除塵環，可保護3R接頭。
- 柄部高周波處理，耐磨性強。
- Ra 100 is a copper-free pole rod; user can weld up required copper pole into it and use.
- Dust-suppression ring is attached to the stem, guarantee for 3R connector.
- HF treatment on stem, high anti-erosion capability derived.



N. W : 0.26Kg

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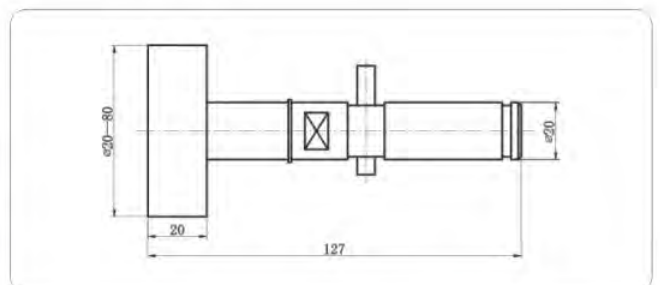
▼ 63231

電極棒
ELECTRODE HOLDER

- RA20-80是附銅極的電極棒，本身的銅極是高純度的紫銅，使用者可依適用的大小選擇所需，即可加工成型所需形狀之銅極，進行放電加工作業。
- 柄部有除塵環，可保護3R接頭。
- 柄部高周波處理，耐磨性強。
- RA20-80 is a copper pole rod; the pole is made by high-purity red copper; user can machine the pole to required shape and perform EDM operation.
- Dust-suppression ring is attached to the stem, guarantee for 3R connector.
- HF treatment on stem, high anti-erosion capability derived.



ORDER NO.	MODEL	N.W (kg)
63221-20	RA20	0.3
63221-30	RA30	0.31
63221-40	RA40	0.33
63221-50	RA50	0.34
63221-60	RA60	0.36
63221-70	RA70	0.37
63221-80	RA80	0.39



Precision Machine Tools & Accessories

精密機床附件

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