

SUNZUANT (CE) 

Quick Die 冲床专用快速换模系统 >>>>
Change System

For Mechanical Presses



分鐘換模

尚品臻至 川壘為澤 <http://www.sunchina168.cn>

尚川精機[®]
SUNZUANT
PRECISION MACHINERY



TX型夾模器 (直拉式) Tx Die Clamp

※ 具体型号详述请参阅P11



TY型夾模器 (壓板式) Ty Die Clamp

※ 具体型号详述请参阅P12



舉模器 Die Lifter Series

※ 具体型号详述请参阅P19~24



移模臂 Bolster Extension Series

※ 具体型号详述请参阅P25~28



氣動油壓泵浦單元 Air Drive Hydraulic Pump Unit

※ 具体型号详述请参阅P06~10



換模台車 Quick Mold Exchange Cart

※ 具体功能类别详述请参阅P32~34

尚川簡介 COMPANY PROFILE

東莞市尚川精密機械有限公司是一家專業製造和銷售沖床、注塑機、壓鑄機、油壓機等並已取得CE、ISO9001認證的全自動換模設備廠家，其產品包括：全自動換模台車，氣動泵浦組合、夾模器、舉模器、移模臂、電氣控制系統、超負荷保護系統以及滑塊鎖固系統等產品。

公司自2008年成立以來，全體員工秉承“尚品臻至，川壟為澤”的企業文化，以精湛的研發實力，科學的管理模式，誠信的經營態度、完整的售後服務獲得業界的認可，同時以優質的產品質量贏得了客戶和社會的高度評價。

尚川精機的主導產品為：換模台車、氣動泵單元、舉模器、移模臂、電控操作系統、超負荷保護裝置及滑塊鎖固泵等，普遍運用於各種沖床、射出機、壓鑄機等行業。

公司以顧客至上，客戶滿意，質量第一，持續改進為宗旨，通過提供優質的產品和服務，最大限度滿足客戶的需求！

Dongguan SUNZUANT precision machinery co., LTD is a professional manufacture and sale of punching machine, injection molding machine, die-casting machine, hydraulic press and have achieved CE, ISO9001 certification of automatic mold changing equipment manufacturers, its products include: automatic pallet of the mould, pneumatic pump combination, die, die for, moving die arm, electric control system, overload protection system and slider locking system, etc.

Since our company established, All our employees adhering to the corporate culture of "Value quality, respect humanity" We gain recognized by the industry with excellent R & D strength, scientific management mode, honesty business operations of attitude and complete after-sale service, Besides, our high quality product gain highly regarded from clients and society.

Leading products of SUNZUANT is Exchange Cart, Pneumatic pump unit, TX Die Clamp, TY Die Clam, Die Lifter Series, Electronic Control Operation Panel, Overload Pump and Slide Lock etc. Those acts press, Injection molding machine and Quick Die Change System For Mechanical Press.

The company is customer-oriented, customer satisfaction, quality first, continuous improvement to the purpose, by providing quality products and services to meet the customers' needs

▼ 尚川衝床專用快速換模系統元件組成

SUNZUANT Q.D.C.S. UNIT INTRODUCTION

▼ TY型夾模器[壓板式]

TY DIE CLAMP [Lever Type]

- ▲ 取代傳統用螺絲鎖模方式。
- ▲ 利用台盤T型槽將模具直接固定於台盤。
- ▲ Replace the traditional method which used the screw to fix the mold.
- ▲ Use the T-slot of the plate to fix or fix directly on the plate.

▼ 電控操作箱

ELECTRONIC CONTROL OPERATION PANEL

- ▲ 具有與機台連線控制開關。
- ▲ 具有防止錯誤操作之安全控制。
- ▲ It is equipped with interlock control-switch of which its cable is interlocked the machine.
- ▲ It is equipped with one safety-control device in which is for preventing any wrong operation.

▼ TX型夾模器[直拉式]

TX DIE CLAMP [Piston Type]

▼ 舉模器

DIE LIFTER Modle: DL• DB

- ▲ 油壓式 / Hydraulic Type
- ▲ 裝置於台盤T型槽或U槽 / Install in the T-slot or U-slot.
- Modle: DS• DLS
- ▲ 彈簧式 / Spring Type
- ▲ 裝置於台盤T型槽或U槽 / Install in the T-slot or U-slot.
- ▲ 平均分散於台盤上 / Spread equally and install in the plate.
- 油壓與彈簧式有滾輪 ↔ 滾珠供選擇 / Hydraulic & Spring Type have roller and ball to choice.

▼ 氣動油壓泵浦單元

AIR DRIVE HYDRAULIC PUMP UNIT

- ▲ 具檢知功能可與機台連線。
- ▲ 各配備之間的動作亦可互相牽制，以確保最佳操作安全。
- ▲ 模組化設計，服務支援迅速，維修更便利。
- ▲ It has the function of inspection pressure and can be interlocked with the machine.
- ▲ The movement between each equipment will be pinned down mutually in order to insure the safety of operation.
- ▲ Module design, service-support speedy, maintain easy.

▼ 移模臂

BOLSTER EXTENSION SERIES

- ▲ 可使模具輕易從台盤拉出或推入。
- ▲ 不用時配合操作方便，有四種存放方式供選擇。
- ▲ Can pull out and push in the die from the plate easily.
- ▲ There are 4 easy operative ways for the storage when it is not used.

▼ 組件選用基準

SELECTION OF SYSTEM COMPONENTS

SUNZUANT Q.D.C.S.提供了最大適用性與多樣性產品，以獨特化的系列化設計理念，求取與沖床模具的最佳搭配，您所需求的最佳系統元件組合，可參照下列說明：

The SUNZUANT QDCS provides maximum flexibility to accommodate diversification in presses and dies with its unique serialized design concept of components and equipment. For the system configuration best suited to your needs. Refer to the following:

◎ 標準油壓回路規劃 / Standard Hydraulic Circuits 【性能規格詳閱P6~11 For details, refer to pages 6~11】

回路數 Number of Circuit	回路型式 Circuits Code	回路分配使用情形	System Configuration
1	C	回路使用於夾持上模 回路使用於夾持下模 回路使用於同時夾持上下模	One circuit for clamping the upper die. One circuit for clamping the lower die. One circuit for simultaneously clamping the upper and lower dies.
	D	回路使用於舉模器	One circuit for the LIFTER.
2	2C	一個回路使用於夾持上模且另一個回路使用於下模	One circuit for upper die. One circuit for lower die.
	CD	一個回路使用於同時夾持上下模且另一個回路使用於舉模器	One circuit for simultaneously clamping the upper and lower dies. One circuit for the LIFTER.
3	2CD	一個回路使用於夾持上模且另一個回路使用於下模且第三個回路使用於舉模器	One circuit for clamping the upper die. One circuit for the lower die. One circuit for the LIFTER.
4	3CD	二回路使用於夾持上模交叉方式另一個回路使用於夾持下模且第四個回路使用於舉模器	Two circuits for clamping the upper die in a criss-cross manner. Another one circuit is for clamping the lower die. The 4th circuit is for the LIFTER.

※ 以上表根據回路數與回路的閥型，規劃回路的分配使用情形，其中回路型式C為常開閥，D為常閉閥。
The above list is planned according to the number of circuit and value plan to the necessity of the usage. In between the circuit type "C" means ON at all time and "D" means OFF at all time

◎ 選擇夾模器 / Selection of Clamps 【性能規格詳閱P12,13 For details, refer to pages 12&13】

基本型式之選定

模具邊沿有 "U" 溝設計 採用TX型
模具邊沿無 "U" 溝設計 採用TY型

Selection the basic types of clamps

The die is provided with U-cuts -TX Clamp

The die is not provided with U-cuts -TY Clamp

夾模器數量

根據模具的大小與沖床出力的噸數來決定

Determining the number of clamps required

Determine the number of clamps according to

the dimensions and configuration of the dies

and the T-slot arrangement on the press.

夾模器夾持力的計算

(夾模器總夾持力) = (沖床沖壓能力20%)

上下模所需夾持力的分配

(上模夾持力) : (下模夾持力) = 3 : 2

(單一夾模器夾持力) =

(上模或下模夾持力) ÷ 夾模器數量

若依所使用螺栓之規格推算夾持力，如下表

Determine the clamping force(model)

Determine the clamping force (force of a clamp × the number) to 20% or more of the press tonnage for each of the upper and lower dies.

(clamping the upper die) : (clamping the lower die)=3:2

(single die clamping force)=(upper or lower dies clamping force)

Clamps number

螺栓規格Screw Bolt	M16	M18	M20	M24	M30	M38
夾持力(tf)Clamping Force	4	4	6	10	16	20



※ 上列夾模器夾持力與其數量應依實際作業需要修正，並且供夾模之模具邊沿厚度需標準化，以利配合夾模器之使用

The above list for the clamping force and quantities of the die clamping should be used according to the actual operation.

The thickness of the mould base (bottom plate for die clamping to clamp) should be standardized.

▼ 尚川快速換模商業效益

BENEFITS OF SUNZUANT Q.D.C.S

SUNZUANT Q.D.C.S.提供給各式沖床模具多樣性的快速換模專用元件，此系統的使用，不僅降低了沖床的閒置時間，並且大大的促進了產能的提升，使用生產管理更為合理化。

The SUNZUANT Q.M.E.C not only reduces press downtime dut to die changes, but also greatly improves productivity and streamlines corporate management.



▼ 組件選用基準

SELECTION OF SYSTEM COMPONENTS

◎ 選擇舉模器 / Selection of Lifting Rollers

【性能規格詳閱P14~18 For details, refer to pages 14~18】

» 彈簧式或油壓式之選定

依據沖床噸位選擇 DL 型（油壓式）或 DR 型（彈簧式），此外並需將模具重量與所需舉器之長度一並考量

Selection spring-loaded or hydraulic type

Selection spring-loaded (DR DU) or hydraulic (DL) roller according to the press tonnage, die weight, and the die positioning accuracy required.



▽ 選用參考基準

- 舉模器長度
- 最大承載重量
- 配管配件
- 舉模能力
- U槽尺寸

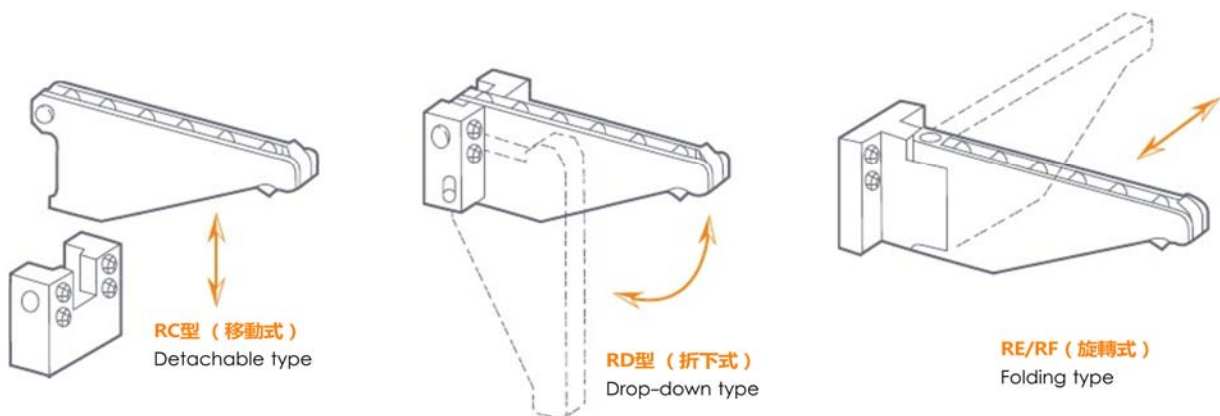
Selection criteria

- Roller length
- Maximum roller load weight
- Accessories
- Lift capacity
- U-cuts size

◎ 選擇移模臂 / Selection of Bolster Extensions

【性能規格詳閱P19~22 For details, refer to pages 19~22】

» 基本型式之選定 Select the basic type



▽ 選用參考基準

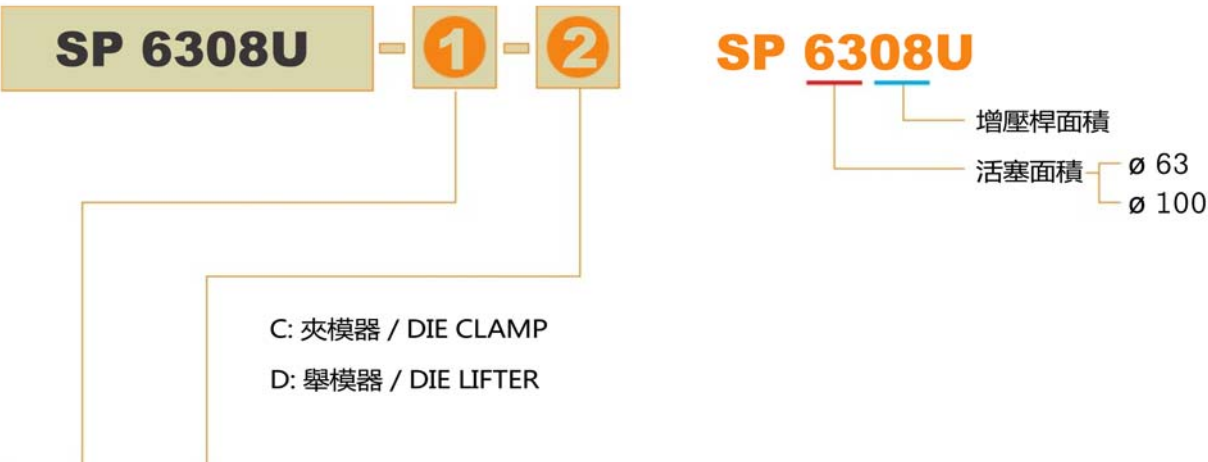
- 模具尺寸
- 移模臂最大承載重量
- 型式

Selection criteria

- Die dimensions
- Maximum roller load weight
- Type



◎ 形式表示法 / Hydraulic Schematics



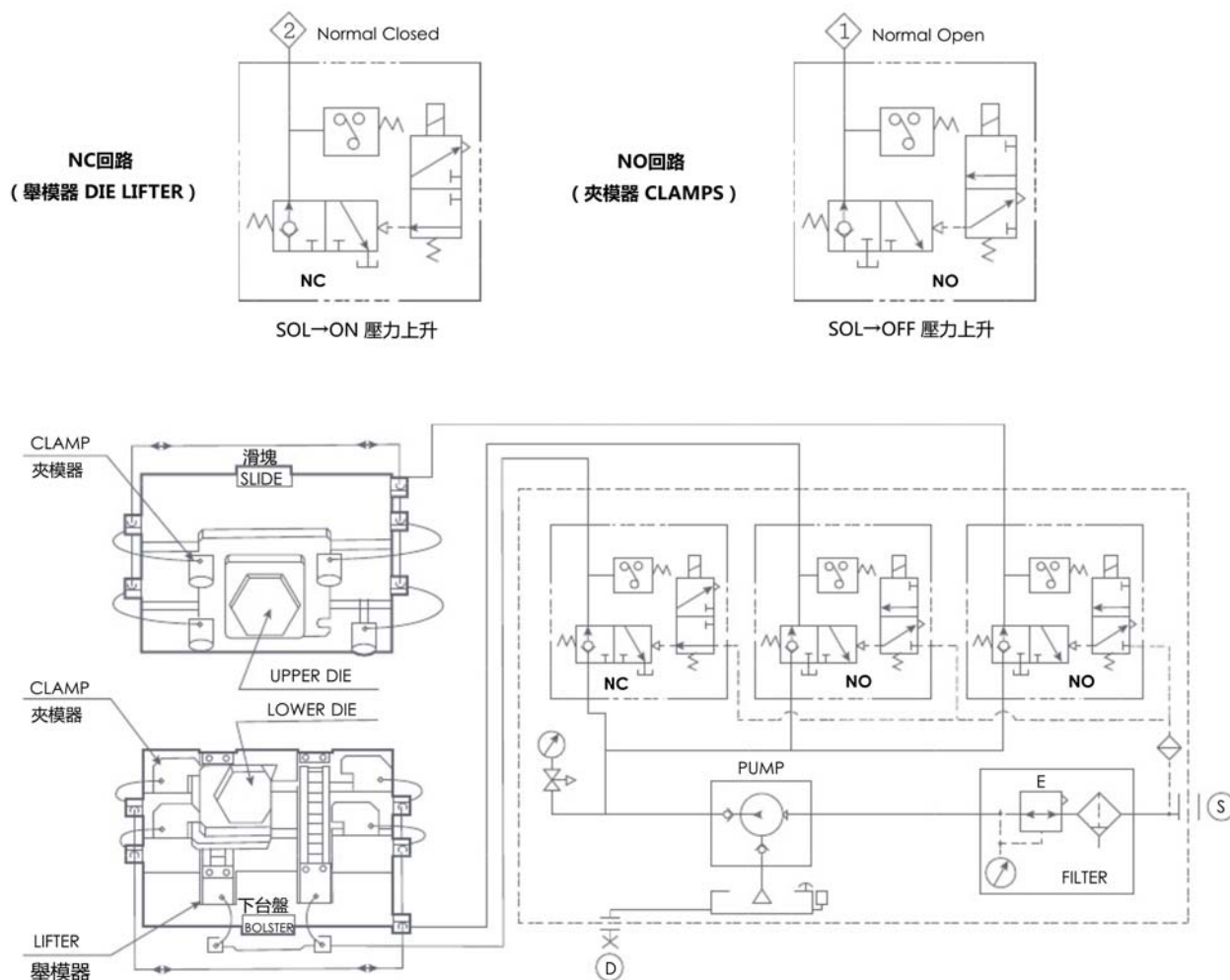
回路數 Number of Circuit	回路型式 Circuits Code	回路分配使用情形	System Configuration
1	C	回路使用於夾持上模 回路使用於夾持下模 回路使用於同時夾持上下模	One circuit for clamping the upper die. One circuit for clamping the lower die. One circuit for simultaneously clamping the upper and lower dies.
	D	回路使用於舉模器	One circuit for the LIFTER.
2	2C	一個回路使用於夾持上模且另一個回路使用於下模	One circuit for upper die. One circuit for lower die.
	CD	一個回路使用於同時夾持上下模且另一個回路使用於舉模器	One circuit for simultaneously clamping the upper and lower dies. One circuit for the LIFTER.
3	2CD	一個回路使用於夾持上模且另一個回路使用於下模且第三個回路使用於舉模器	One circuit for clamping the upper die. One circuit for the lower die. One circuit for the LIFTER.
4	3CD	二回路使用於夾持上模交叉方式另一個回路使用於夾持下模且第四個回路使用於舉模器	Two circuits for clamping the upper die in a criss-cross manner. Another one circuit is for clamping the lower die. The 4th circuit is for the LIFTER.



▼ 尚川快速換模系統之選擇氣動泵組合

BENEFITS OF SUNZUANT Q.D.C.S

◎ 油壓系統回路圖 / Hydraulic Schematics (Typical)



※ 訂貨時請指定電磁閥 (SOL) 使用電壓 (DC 24V, AC110V, AC220V)

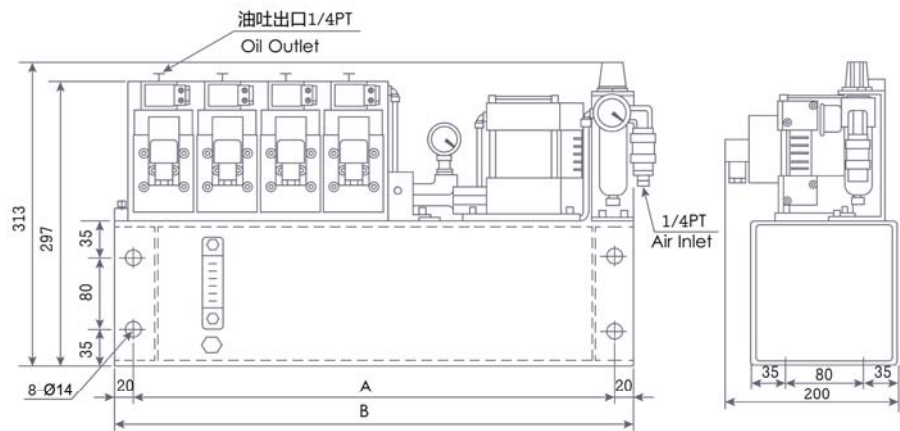
SP63	空氣壓力5kg/cm ² 時出力 (AIR AT 5kg/cm ²)	增壓比
06	420 (kg/cm ²)	1:84
07	300 (kg/cm ²)	1:60
08	250 (kg/cm ²)	1:50
09	200 (kg/cm ²)	1:40
10	150 (kg/cm ²)	1:30
12	100 (kg/cm ²)	1:20
14	80 (kg/cm ²)	1:16
16	50 (kg/cm ²)	1:10
20	40 (kg/cm ²)	1:8
24	26 (kg/cm ²)	1:5



▼ 氣動泵之外型尺寸

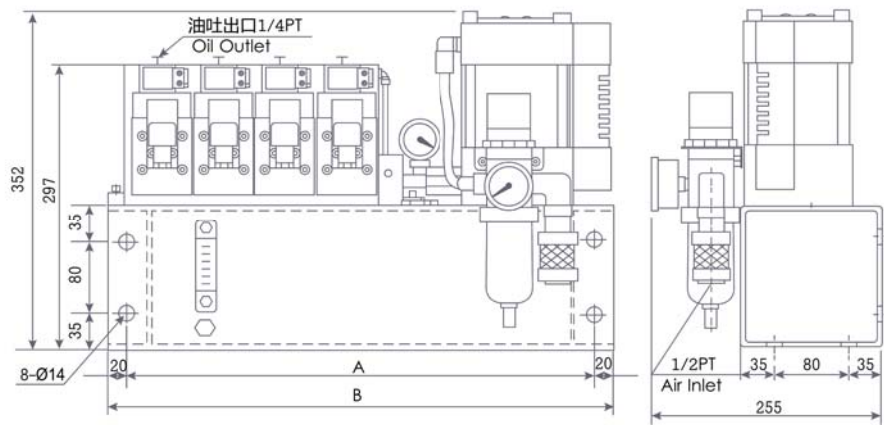
HYDRAULIC POWER UNITS OUTLINE DIMENSIONS

◎ 型号 / Model: sp63 Pump



型號 Model	回路數 Total Circuits	A	B	油箱全容量(ℓ) Available Capacity	可用容量(ℓ) Available Lubricant	重量 Weight(kg)	使用油 Lubricant
SP63□□U	1	353	393	6	4.7	23	一般液壓作動油 ISO VG32-VG68
SP63□□U	2	353	393	6	4.7	27	
SP63□□U	3	423	463	7.5	5.9	35	
SP63□□U	4	493	533	9	7.1	43	

◎ 型号 / Model: sp100 Pump

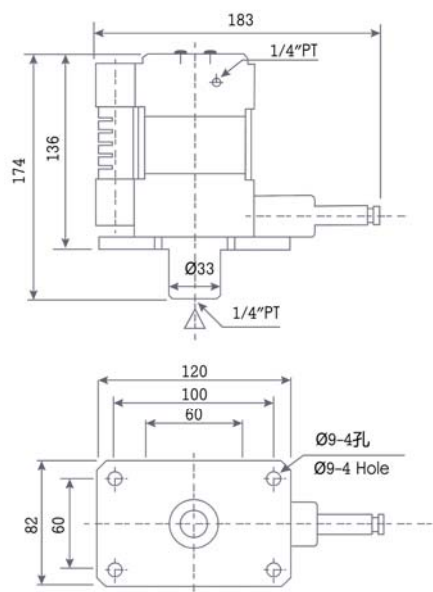


型號 Model	回路數 Total Circuits	A	B	油箱全容量(ℓ) Available Capacity	可用容量(ℓ) Available Lubricant	重量 Weight(kg)	使用油 Lubricant
SP10□□U	1	353	393	6	3.8	30	一般液壓作動油 ISO VG32-VG68
SP10□□U	2	353	393	6	3.8	34	
SP10□□U	3	423	463	7.5	4.8	42	
SP10□□U	4	493	533	9	5.8	50	

▼ 快速換模系統氣動泵組合之選用

HYPOWER UNIT – BENEFITS OF SUNZUANT Q.D.C.S.

◎ SP63規格特性 / Specifications



驅動流體 Drive Fluid	空氣 Air
空氣使用壓力範圍 Air Pressure	2~6 kg / cm ² (2~6 bar)
使用溫度範圍 Operating Temperature	-5°~60°C
使用油 Lubricant	一般液壓作動油 (ISO VG32-VG68) Standard hydraulic oil
單一重量 Weight	4 kg

※ 本表為壓力・流量特性表提供參考

Pressure: Flow characteristics tables provided below for your reference.

(一) 空氣消耗量為 MAX=0.35Nm³ / min.

Air consumption MAX=0.35Nm³ / min.

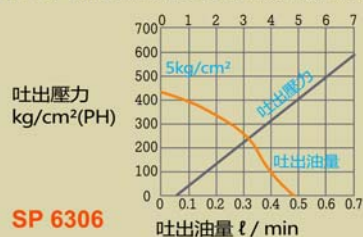
(二) 需大流量請指示說明。

Please refer to instructions for large flow.

(三) 因為品質不斷改良，使用前煩請電話查詢確認。

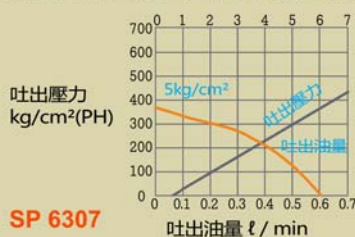
Specifications are subject to change, please phone to confirm values.

0.45 ℓ / min, 增壓比 1 : 84, 壓力 kg/cm²(PA)



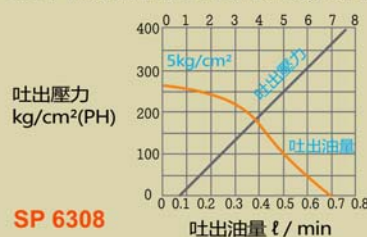
SP 6306

0.6 ℓ / min, 增壓比 1 : 60, 壓力 kg/cm²(PA)



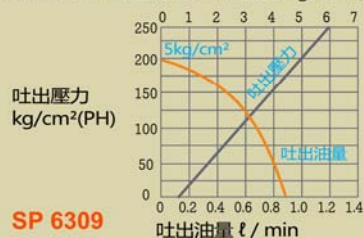
SP 6307

0.7 ℓ / min, 增壓比 1 : 50, 壓力 kg/cm²(PA)



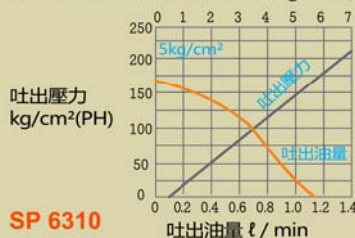
SP 6308

0.9 ℓ / min, 增壓比 1 : 40, 壓力 kg/cm²(PA)



SP 6309

1.1 ℓ / min, 增壓比 1 : 30, 壓力 kg/cm²(PA)



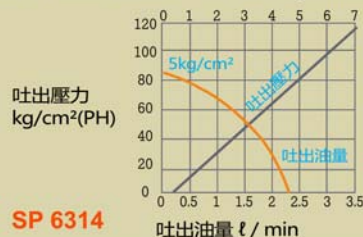
SP 6310

1.7 ℓ / min, 增壓比 1 : 20, 壓力 kg/cm²(PA)



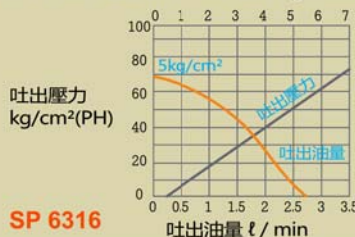
SP 6312

2.2 ℓ / min, 增壓比 1 : 16, 壓力 kg/cm²(PA)



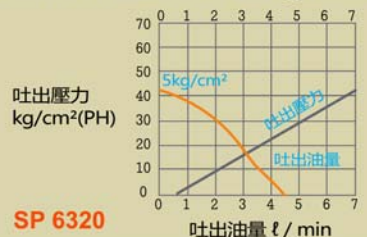
SP 6314

2.7 ℓ / min, 增壓比 1 : 10, 壓力 kg/cm²(PA)



SP 6316

4.5 ℓ / min, 增壓比 1 : 8, 壓力 kg/cm²(PA)

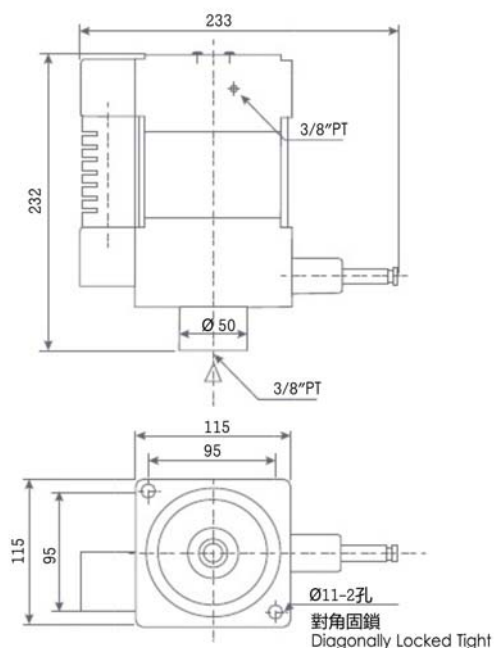


SP 6320

▼ 尚川快速換模系統氣動泵組合之選用

POWER UNIT – BENEFITS OF SUNZUANT Q.D.C.S.

◎ SP100規格特性 / Specifications



本表為壓力：流量特性表提供參考 »

Pressure: Flow characteristics tables provided below for your reference.

(一) 空氣消耗量為 MAX=0.8Nm³ / min.

Air consumption MAX=0.8Nm³ / min.

(二) 需大流量請指示說明。

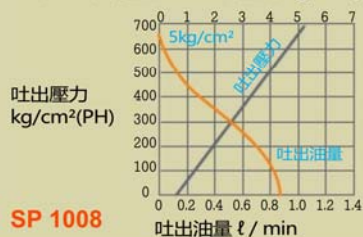
Please refer to instructions for large flow.

(三) 因為品質不斷改良，使用前煩請電話查詢確認。

Specifications are subject to change, please phone to confirm values.

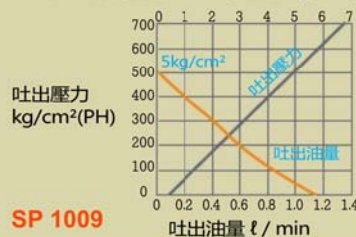
驅動流體 Drive Fluid	空氣 Air
空氣使用壓力範圍 Air Pressure	2~6 kg / cm ² (2~6 bar)
使用溫度範圍 Operating Temperature	-5°~60°C
使用油 Lubricant	一般液壓作動油 (ISO VG32-VG68) Standard hydraulic oil
單一重量 Weight	11 kg

0.9 ℓ / min, 增壓比 1 : 130, 壓力 kg/cm²(PA)



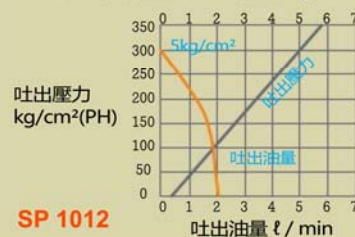
SP 1008

1.15 ℓ / min, 增壓比 1 : 100, 壓力 kg/cm²(PA)



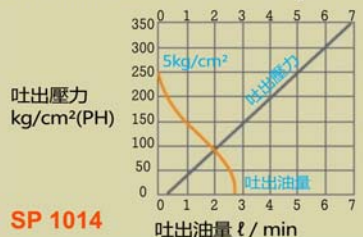
SP 1009

2.04 ℓ / min, 增壓比 1 : 60, 壓力 kg/cm²(PA)



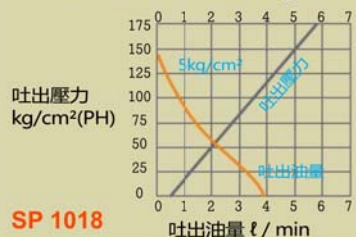
SP 1012

2.8 ℓ / min, 增壓比 1 : 50, 壓力 kg/cm²(PA)



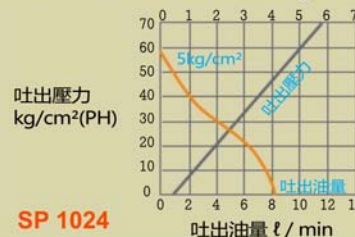
SP 1014

4 ℓ / min, 增壓比 1 : 25, 壓力 kg/cm²(PA)



SP 1018

8.14 ℓ / min, 增壓比 1 : 12, 壓力 kg/cm²(PA)



SP 1024

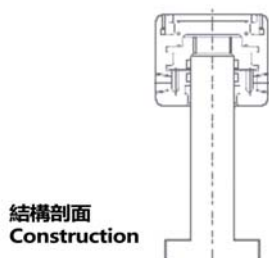
▼ 尚川快速換模系統之TX型夾模器

SUNZUANT Q.D.C.S. TX DIE CLAMP

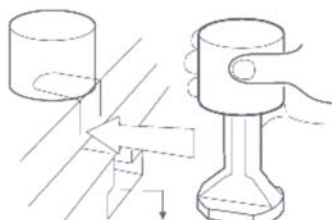
此型夾模器具節省空間的好處，但模沿須有“U”溝供其夾持，其底部被制成適合在台盤“T”槽滑動

This compact piston-type clamp is space-efficient. It requires U-cuts on the die shoe, The leg of the clamp is machined to fit the T-slot on the bolster. The automatic slider model makes remote control possible.

◎ 規格特性 / Specifications



結構剖面
Construction



“T槽” T-slot
模沿 “U” 形溝 U-cut

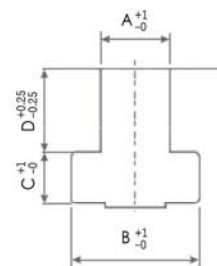
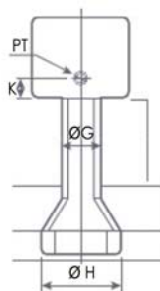


※ 安全行程為全部行程與夾模行程之差值，為特別的安全預留量。

Extra Stroke is the difference value between full stroke and clamping stroke with the extra space for safe operation.

型號 Model	TX-2	TX-4	TX-6	TX-10	TX-16	TX-25
夾持力(於油壓250Kg/cm ²)tons Clamping Force(at 250Kg/cm ²)	2	4	6.3	10	16	25
全部行程(X)mm Full Stroke mm	8	8	8	8	8	8
夾模行程(Y)mm Clamping Stroke mm	4	3	3	3	3	3
安全行程(Z)mm Extra Stroke mm	4	5	5	5	5	5
夾模器缸體容量(全行程)cc Cylinder Capacity at Full Stroke cc.	6.5	13	21	32	54	84

◎ 外型尺寸 / Outline Dimensions



型號 Model	E	F	G	H	K	MIN.C	PT
TX-2	49	52	18	38	12	8	1/8
TX-4	68	60	25	59	15	10	1/4
TX-6	78	65	30	64	16	14	1/4
TX-10	98	71	40	79	16	17	1/4
TX-16	127	78	50	88	16	20	1/4
TX-25	148	100	60	98	15	23	1/4

型號 Model	A	B	C	D
TX-2	22	37	16	24
TX-4	22	37	16	24
TX-6	28	48	20	28
TX-10	28	48	20	28
TX-16	28	48	23	28
TX-25	36	56	25	28

選用泵浦 Power units model
SP6308U-□-□
SP1014U-□-□

※ 註：模沿厚度(h)及T槽(A.B.C.D.)尺寸如為既有(特殊)尺寸，請於訂購時確認之。

before purchase, please verify mold edge thickness (h) and T Slot (A.B.C.D.) as standard or special dimensions.

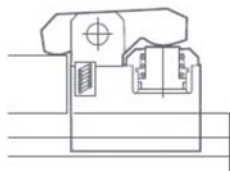
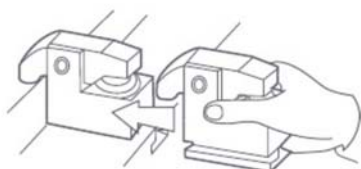
▼ 尚川快速換模系統之TY型夾模器

SUNZUANT Q.D.C.S. TY DIE CLAMP

此型夾模器以杠桿原理作用，夾持模沿，並不需“U”溝，因此有更寬廣的適用範圍。

Because this lever-type clamp does not require a U-cut on the die shoe, it may be used in a wide range of applications. The base of the clamp is machined to fit the T-slot on the bolster. The flange-mount model clamp may be bolted onto the bolster. The automatic slider model makes remote control possible.

◎ 規格特性 / Specifications



結構剖面 Construction

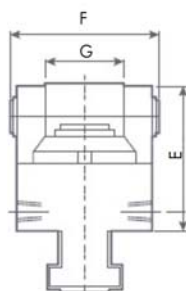
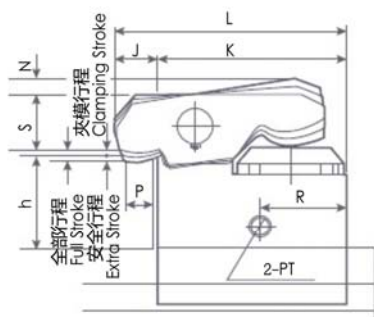


※ 安全行程為全部行程與夾模行程之差值，為特別的安全預留量。

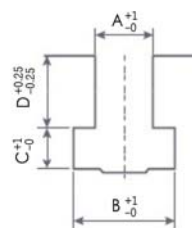
Extra Stroke is the difference value between full stroke and clamping stroke with the extra space for safe operation.

型號 Model	TY-2	TY-4	TY-6	TY-10	TY-16	TY-25
夾持力(於油壓250Kg/cm ²)tons Clamping Force(at 250Kg/cm ²)	2	4	6.3	10	16	25
全部行程(X)mm Full Stroke mm	7	7	8	8	8	8
夾模行程(Y)mm Clamping Stroke mm	2	3	4	3	3	3
安全行程(Z)mm Extra Stroke mm	5	4	4	5	5	5
夾模器缸體容量(全行程)CC Cylinder Capacity at Full Stroke cc	6.5	13.2	22.3	37	61	93

◎ 外型尺寸 / Outline Dimensions



“T” 槽尺寸



型號 Model	MIN.E	F	G	J	K	L	MAX.N	P	R	MIN.S	PT	MIN.C
TY-2	59	65	28	22	85	107	10	12.5	48	27	1/8	9.5
TY-4	85	87	40	30	120	150	10	16	58	33	1/4	12
TY-6	94	97	44	34.5	133	167.5	11	20	68	40	1/4	14
TY-10	105	110	50	30	165	195	11	20	82	53	1/4	16.5
TY-16	120	125	60	35	200	235	12	20	96	67	1/4	19
TY-25	133	155	73	35	240	275	13	20	110	81	1/4	22

型號 Model	A	B	C	D
TY-2	22	37	16	24
TY-4	22	37	16	24
TY-6	28	48	20	28
TY-10	28	48	20	28
TY-16	28	48	23	28
TY-25	36	56	25	28

選用泵浦 Power units model
SP6308U-□-□
SP1014U-□-□

※ 註：模沿厚度(h)及T槽(A.B.C.D.)尺寸如為既有(特殊)尺寸，請於訂購時確認之。

before purchase, please verify mold edge thickness (h) and T Slot (A.B.C.D.) as standard or special dimensions.

▼ 自動夾模器系列之TAX自走式夾模器

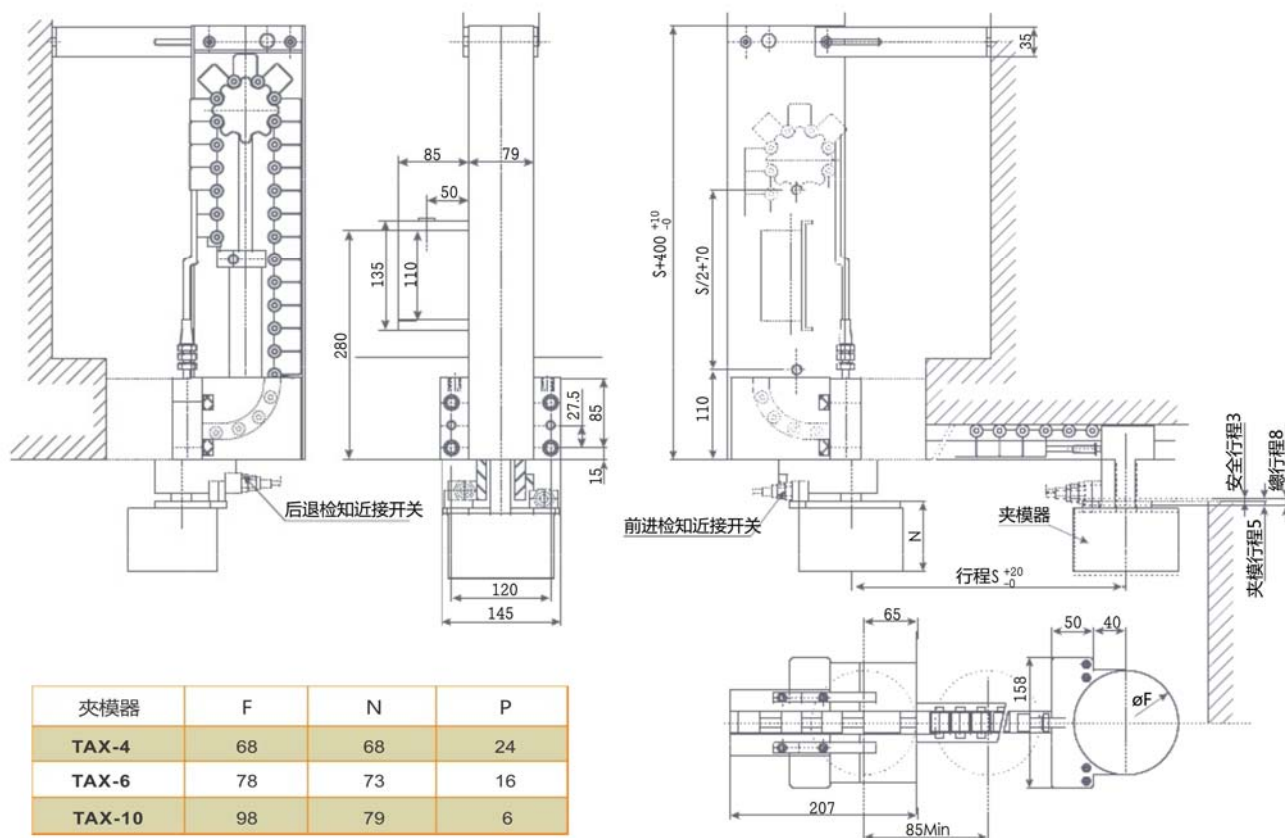
SUNZUANT Q.D.C.S. TAX AUTO MOVING DIE CLAMP

此型夾模器功能為：夾緊模具，特色：利用氣壓機構作動，使夾模器獨立進行夾持，適合大型油壓機上模使用。

Function: Clamp die

Characters: Self-traveling clasper exclusive for the upper dies driven by the air type actuator.

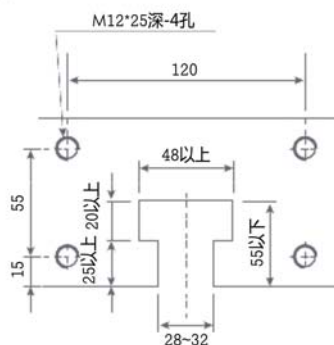
◎ 外型尺寸 / Outline Dimensions



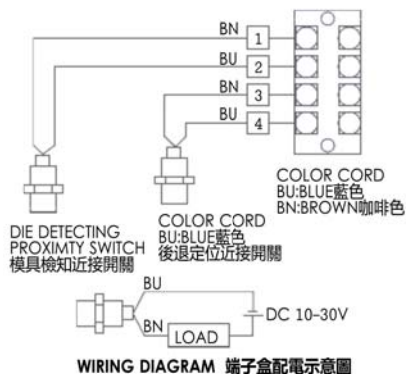
TAX-□-□-□

L: 左
R: 右
行程 S (mm)
夾模能力 (ton)

客戶台盤固定孔位及T槽尺寸範圍
T-slot Dimensions



端子盒配電示意圖 Wiring Diagram



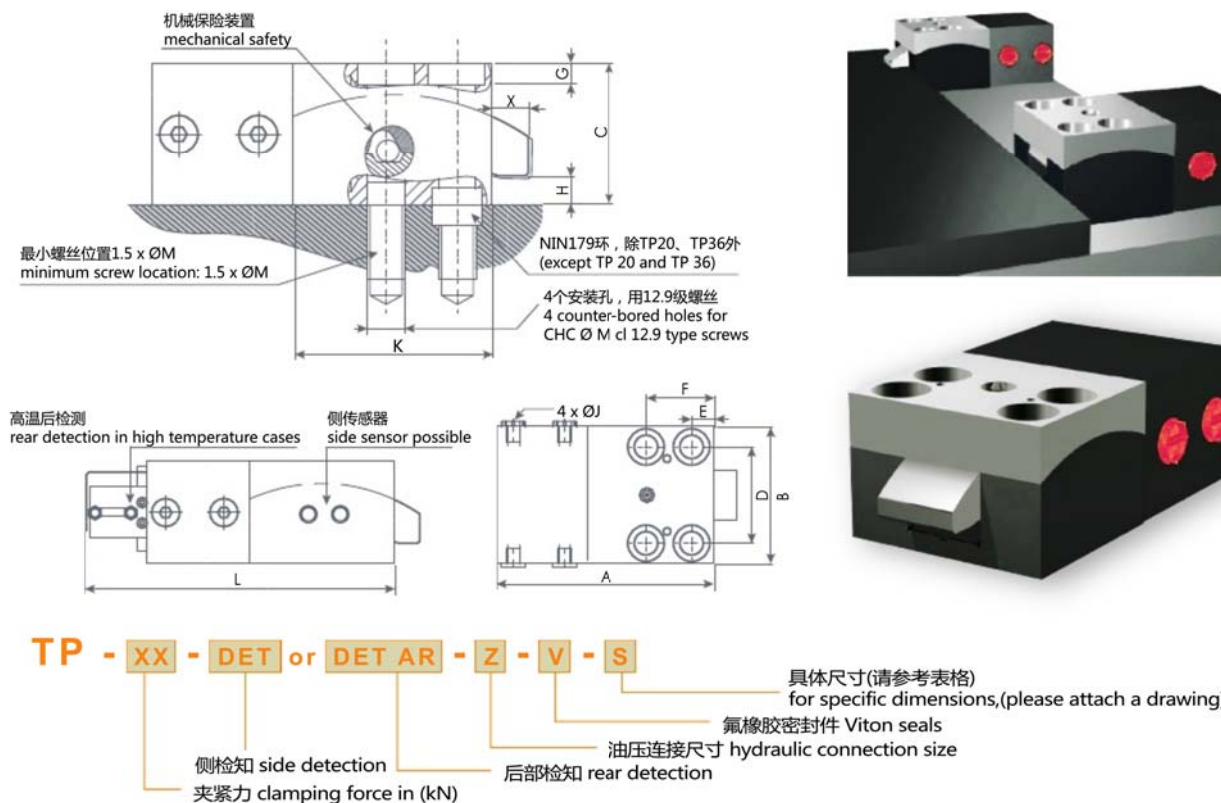
※ 註：選用氣動泵組合規格為SP1014U-□□

▼ 自動夾模器系列之TP伸縮弧型夾模器

SUNZUANT Q.D.C.S. TP ESCAPING ARC CLAMP

TP伸縮弧型夾模器，用于支撐及側邊夾緊模具；夾緊面為臥式，具可移動楔形圓弧結構和往來彎曲路徑的特點，其夾緊力不受溫度變化的干擾，可適用於熱成形等字密集型負載場合。產品型號範圍廣，最高出力可過630KN。
TP escaping arc clamps are used on bolsters or rams and clamp the die on the side. The clamping surface is horizontal. The arc shape of the wedge allows to move in and out on a curved path. As a result, the clamping force is vertical and jamming in high temperature situations is eliminated. The clamp is therefore also suitable for intensive load applications such as thermoforming.
The range of models is extensive and has clamps of a force that can reach 630 kN.

◎ 外型尺寸 / Outline Dimensions



規格尺寸 Specifications	TP 20	TP 36	TP 60	TP 100	TP 160	TP 250	TP 400	TP 630
夾緊力 clamping force (kN)	20	36	60	100	160	250	400	630
重量 weight (kg)	1,95	3,75	7,5	12,8	23	44	84	120
油容量 oil volume (cm³)	15	26,2	32	57	155	200	494.5	780
最大流量 max flow rate (l/min)	0,9	1,5	2,1	3,3	5,5	8,4	15,4	24,5
最大壓力 max. working pressure (bars)	200	200	200	200	200	200	200	200
A	106	133	161	189	239	290	325	395
B	63	80	98	120	150	198	240	280
C	45	56	66	80	100	128	160	190
D	43	55	65	85	106	140	180	210
E	10	12,5	16	20	25	26	32	38
F	30	37,5	46	58	75	78	95	108
G	7	9	10	20	25	30	36	44
M	M10	M12	M16	M20	M24	M30	M36	M42
J	2 X G1/8"	2 X G1/4"	G1/4"	G1/4"	G1/2"	G1/2"	G1/2"	G1/2"
	2 x UNF 7/16"	2 x UNF 9/16"	UNF 9/16"	UNF 9/16"	UNF 7/8"	UNF 7/8"	UNF 7/8"	UNF 7/8"
K	56	70	84	100	140	160	180	220
H	16	20	20	20	20	20	40	50
X	16	20	20	20	25	25	30	38
L	-	-	218	246	300	360	428	498

註：所有尺寸單位均為mm。All dimensions are in millimetres.

▼ 自動夾模器系列之TR旋轉夾模器

SUNZUANT Q.D.C.S. TR 90° ROTARY DIE CLAMP

此型夾模器功能為：夾緊模具，特色：利用氣壓作動使夾模器旋轉90度以油壓進行夾模動作。

Function: Clamp die

Characters: The clamp rod is rotated 90° collapsed and the clamped by hydraulic pressure.

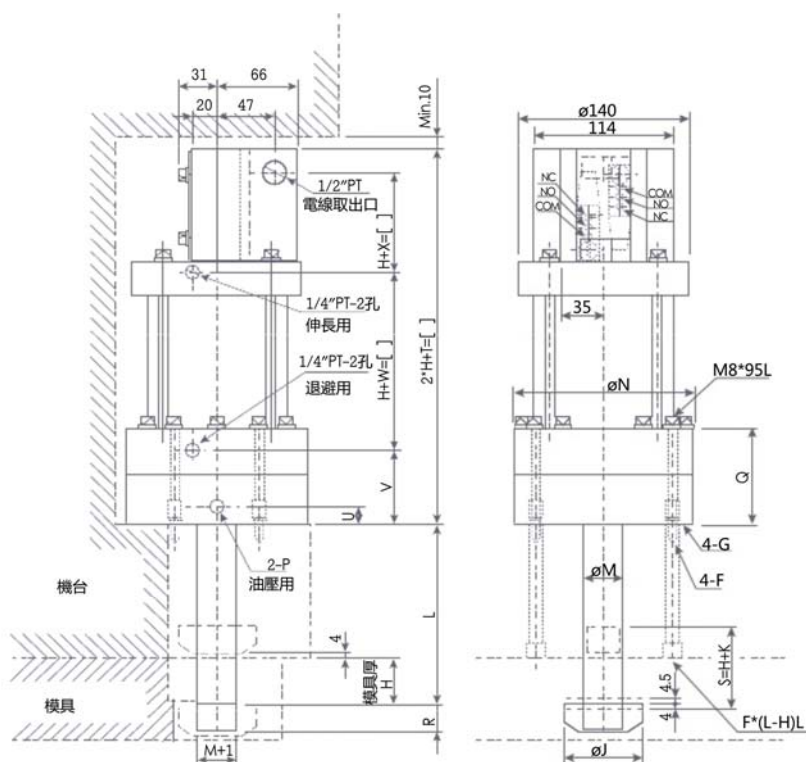
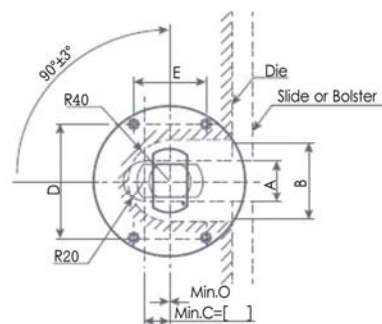


TR-

夾模能力(ton)

※ 註：選用氣動泵組合規格為SP1014U-□□

◎ 外型尺寸 / Outline Dimensions



耐壓 Proof Pressure	27.0MPa (275kgf/cm ²)
最大工作壓力 Max Working Pressure	18.1MPa (185kgf/cm ²)
使用空氣壓力範圍 Working Pneumatic Range	0.4-0.7 (4-7kgf/cm ²)
使用溫度範圍 Ambient Temperature Range	-5°~60°c
使用油 Hydraulic Fluid	ISO VG32- VG5656

型號 Model	夾持力 (油壓185kg/cm ² 時) Clamping Force (at 185kg/cm ²)	所需油量 (CC) Required Quantity	A±1	MIN.B	MIN.C	D	E	F	G	J	K	M	N	PT	Q	R	T	U	V	W	X	質量 (kg) Mass
TR-6	6	32.5	40	75	25	112	70	M8*深16	M12*深20	64	30	32	148	1/4	79	22	232	15	61	108	44	20
TR-10	10	52.5	50	95	30	116	70	M10*深25	M14*深30	84	35	40	158	3/8	89	27	252	16	74	110	49	25
TR-16	16	84.0	60	110	35	120	76	M10*深25	M14*深35	99	40	50	168	3/8	94	32	267	16	79	115	54	27

▼ 自動夾模器系列之CE/CF搖擺夾模器

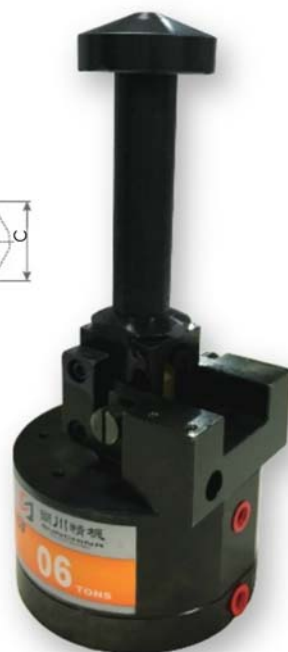
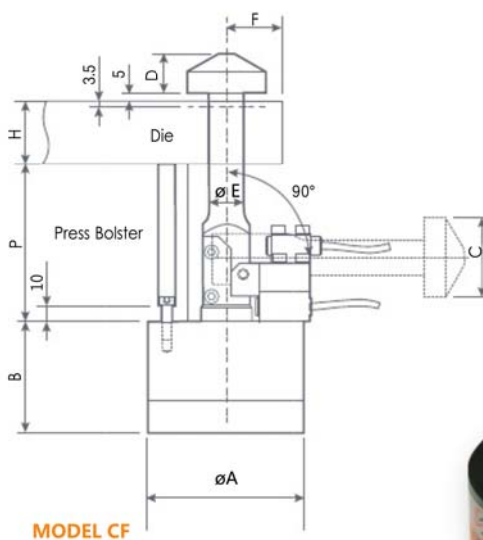
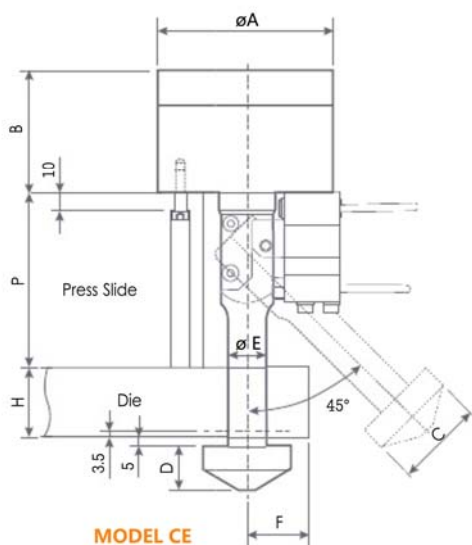
SUNZUANT Q.D.C.S. CE/CF SWING TYPE NOW-TOUCH CLAMP

此型夾模器功能為：夾緊模具，特色：油壓驅動使夾模器擺開換上模具後，即擺入進行夾模。

Function: Clamp die

Characters: Swing clasper, which is hydraulically driven to clamp dies and plates.

◎ 外型尺寸 / Outline Dimensions

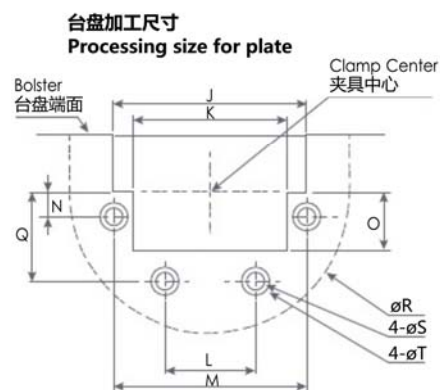
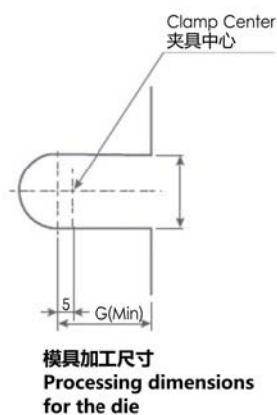


CE/CF -

夾模能力(ton)

※ 註：選用氣動泵組合規格為SP1014U-□□

型 式 Model		C□ - 4	C□ - 6	C□ - 10
夾力 Capacity Of Clamp	tons	4	6	10
油壓壓力 Hydraulic Pressure	kg /cm ²	250	250	250
氣壓壓力 Pneumatic Pressure	kg /cm ²	3~5	3~5	3~5
油缸總行程 Total Stroke Of Cylinder	mm	19	19.5	24.5
夾具行程 Stroke Of Clamp	mm	5	5	5
預留行程 Preserved Stroke	mm	3.5	3.5	3.5

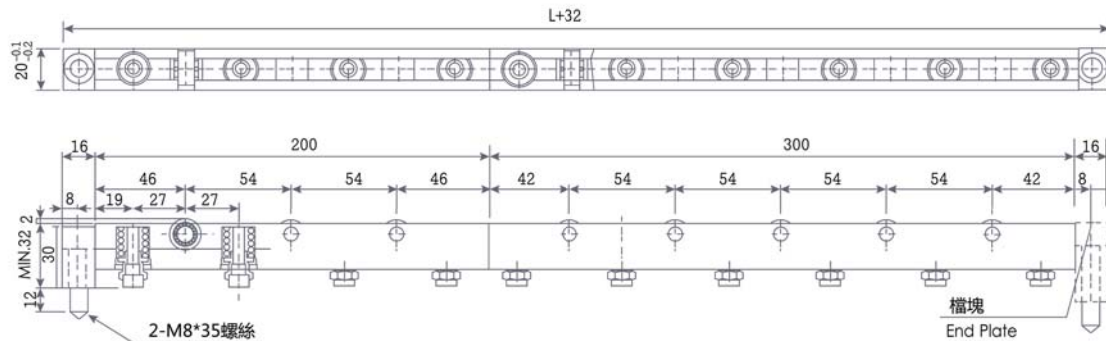


型號 Model	A	B	C	D	E	F	G	I	J	K	L	M	N	O	Q	R	S	T
C□ - 4	Ø102	70	Ø50	25	Ø22	25	30	Ø24	83	66	39	83	10.5	25	38	Ø120	Ø7	Ø12
C□ - 6	Ø125	73	Ø60	25	Ø28	30	35	Ø30	93	70	49	93	10.5	30	43	Ø145	Ø7	Ø12
C□ - 10	Ø145	93	Ø75	30	Ø34	37.5	43	Ø36	130	80	59	120	10.5	35	50	Ø165	Ø9	Ø16

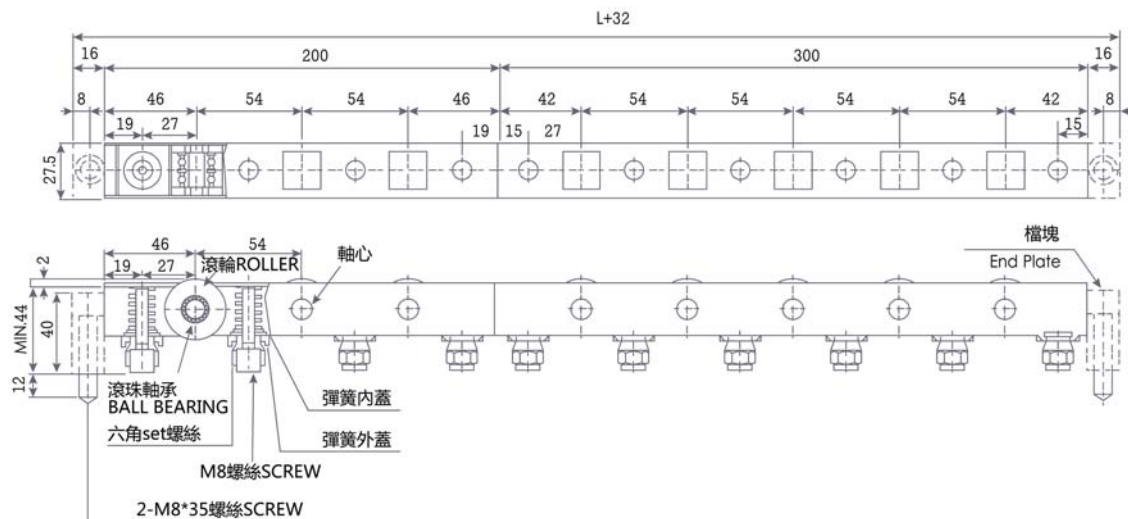
▼ 快速換模系統之DR/DU型彈簧式舉模器

SUNZUANT Q.D.C.S. DR / DU DIE LIFTER

◎ DR-22/ Model



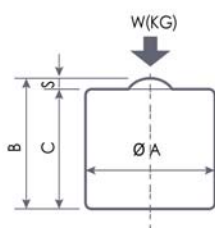
◎ DR-28/ Model



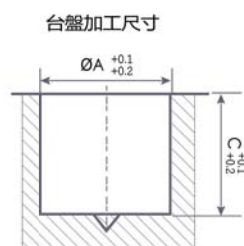
單一舉模器最大舉模力(kgf) / Maximum Lift Force per line(kgf)

規格(Model)	長度(L) 最大舉模力(kgf)	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
DR22		150	225	300	375	450	525	600	675	750	825	900	975	1050	1125	1200	1275	1350	1425	1500
DR28		300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000

◎ 規格特性 / Specifications



	DU100	DU200
A	38 ^{+0/-0.05}	45 ^{+0/-0.05}
B	38	45
C	35 ^{+0/-0.05}	42 ^{+0/-0.05}
S	3	3
W	100Kgf	200Kgf

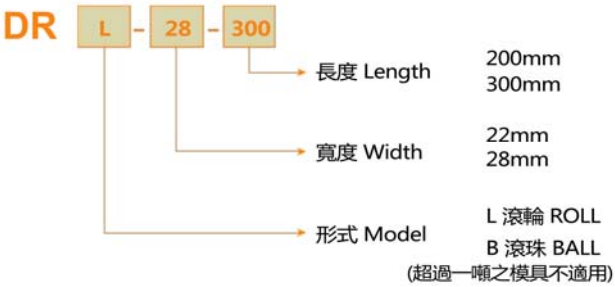


DU
滾珠
彈簧
式
舉
模
器

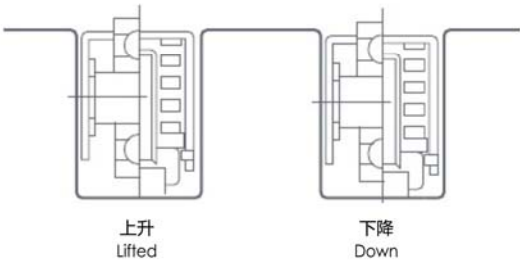
尚川快速換模系統之DR型彈簧式舉模器

SUNZUANT Q.D.C.S. DR DIE LIFTER

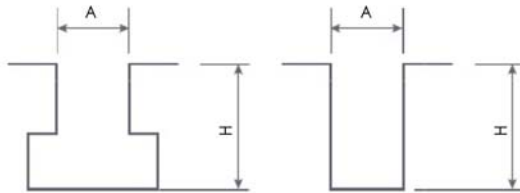
DR型舉模器可藉由填隙片的增減，很容易的適用不同尺寸得“T”型槽成“U”型槽。
其基本長度有200mm與300mm兩種尺寸，經過搭配使用，可產生每100mm的總度變化。
These spring-loaded rollers easily fit to different-sized T-or U-slots on the bolster by adding the spacers to the side walls of the rollers.
As rollers are available in standard lengths of 200mm and 300mm, any roller length can be constructed by combining these standard lengths in increments of 100mm.



◎ DR型結構與動作 / Construction and Action



◎ T/U槽尺寸 / T-slot / U-solt Dimensions



型號 Model	A	H
DR22	22	33~43
DR28	28	45~58

DR型基本尺寸特性 / Specifications

基本型式 Specifications	寬度(mm) Width	長度(mm) Length	彈簧數量(pcs) Springs	單一彈簧舉模力(kgf) Lift Force
DRL22-200 / DRB22-200	22	200	4	37.5
DRL22-300 / DRB22-300	22	300	6	37.5
DRL28-200 / DRB28-200	28	200	4	75
DRL28-300 / DRB28-300	28	300	6	75

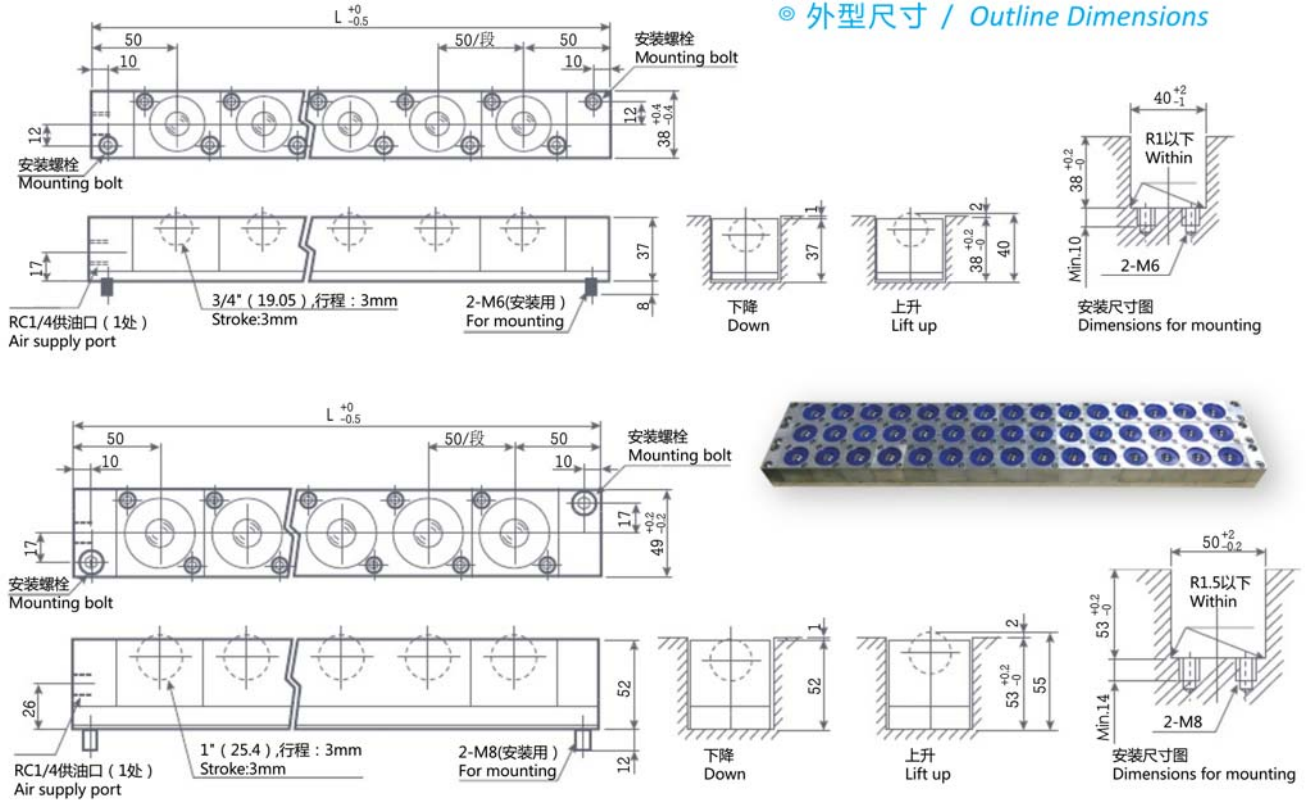
▼ 尚川快速换模系统之气动滚珠举模器

SUNZUANT Q.D.C.S. BALL LIFTER

PDB气动滚珠举模器是由高精度万向滚珠和气缸组合而成，安装在工作台上，通过气体将模具升举，在360°的水平方向上移动和旋转，是一款既省力又经济易用的举模器。

PDB type ball lifter is an economical and user-friendly labor saving device consisting of precision machined ball transfer units with air cylinder, which lifts object from the table and transfer or turn it in any horizontal direction

◎ 外型尺寸 / Outline Dimensions



举模器全长 Over all length of ball lifter L(mm)	重量 Weight		球数 No.of balls	供给压力在0.5Mpa时，滚珠的许用载荷 KN(kgf) Allowable load (per ball)																	
	PDB 38	PDB 50D		承载滚珠数量 (Nb) Minimum number of loaded ball																	
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
100	0.57	0.80	1	0.41 (42)																	
150	0.86	1.20	2	0.6 (61)	0.82 (84)																
200	1.14	1.60	3	1.24 (127)	1.20 (122)	1.23 (126)															
250	1.43	2.00	4		2.49 (254)	1.79 (183)	1.65 (168)														
300	1.71	2.40	5			3.73 (381)	2.39 (244)	2.06 (210)													
350	2.00	2.80	6				4.98 (508)	2.99 (305)	2.47 (252)												
400	2.28	3.20	7				6.22 (635)	3.59 (366)	2.88 (294)												
450	2.57	3.60	8					7.47 (762)	4.19 (427)	3.29 (336)											
500	2.85	4.00	9					8.71 (889)	4.78 (488)	3.70 (378)											
550	3.14	4.42	10					9.96 (1016)	5.38 (549)	4.12 (420)											
600	3.42	4.80	11						11.2 (1143)	5.98 (610)	4.53 (462)										
650	3.71	5.20	12							12.4 (1270)	6.58 (671)	4.94 (504)									
700	3.99	5.60	13								13.7 (1397)	7.18 (732)	5.35 (546)								
750	4.28	6.00	14									14.9 (1524)	7.77 (793)	5.76 (588)							
800	4.56	6.40	15										16.2 (1651)	8.37 (854)	6.18 (630)						
850	4.85	6.80	16											17.4 (1778)	8.97 (915)	6.59 (672)					
900	5.13	7.20	17												18.7 (1905)	9.57 (976)	7.00 (714)	7.41 (756)	7.82 (798)		
950	5.42	7.60	18													19.9 (2032)	10.2 (1037)	10.8 (1098)	11.4 (1159)		
1000	5.70	8.00	19														21.2 (2159)	22.4 (2286)	23.6 (2413)		

最少承载滚珠个数需要按照最恶劣的使用条件计算得出
The minimum number "Nb" should be calculated assuming worst case conditions

$$Nb = \frac{LD}{50} - 1 \quad (LD \text{ 为模具引出之长度，即移进移出方向})$$

▼ 快速換模系統之DL型油壓式舉模器(滾輪型)

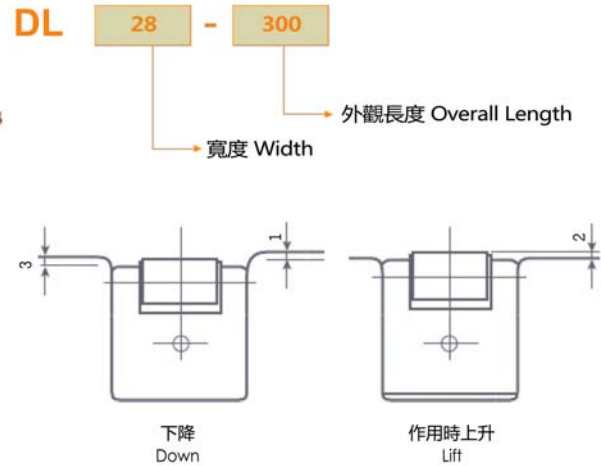
SUNZUANT Q.D.C.S. DL DIE LIFTER(ROLLER TYPE)

DL型油壓式舉模器以油壓方式舉模，有強力舉模能力適合模具重量變化差異大時使用。

The hydraulic DL DIE LIFTER withstands heavy load weights and abuse. The scrap guard/scrapers keep the roller surfaces free from scraps. The rollers are arrayed in closer pitches to prevent damage to the bottom of heavy dies.

The height of the roller can be adjusted by removing some of the built-in shims with different thicknesses.

DL滾輪油壓式舉模器



◎ 特性規格 / Specifications

基本型式 Basic Model	DL28	DL50
單一缸體舉模力(tons) Lifting Force per Cylinder tons	0.5	1.1
工作油壓(kgf/cm ²) Working Hydraulic Pressure	250	250
總上升行程(mm) Total Stroke mm	3	3
單一缸體容油量(cc.) One Cylinder Capacity cc	0.6	1.4
每個滾輪的最大載模能力 Roller Max. Load Cap(kg)		
模具有材質 SS41	80	200
Die Material S45C	140	350



▼ 快速換模系統之DL型油壓式舉模器(滾輪型)

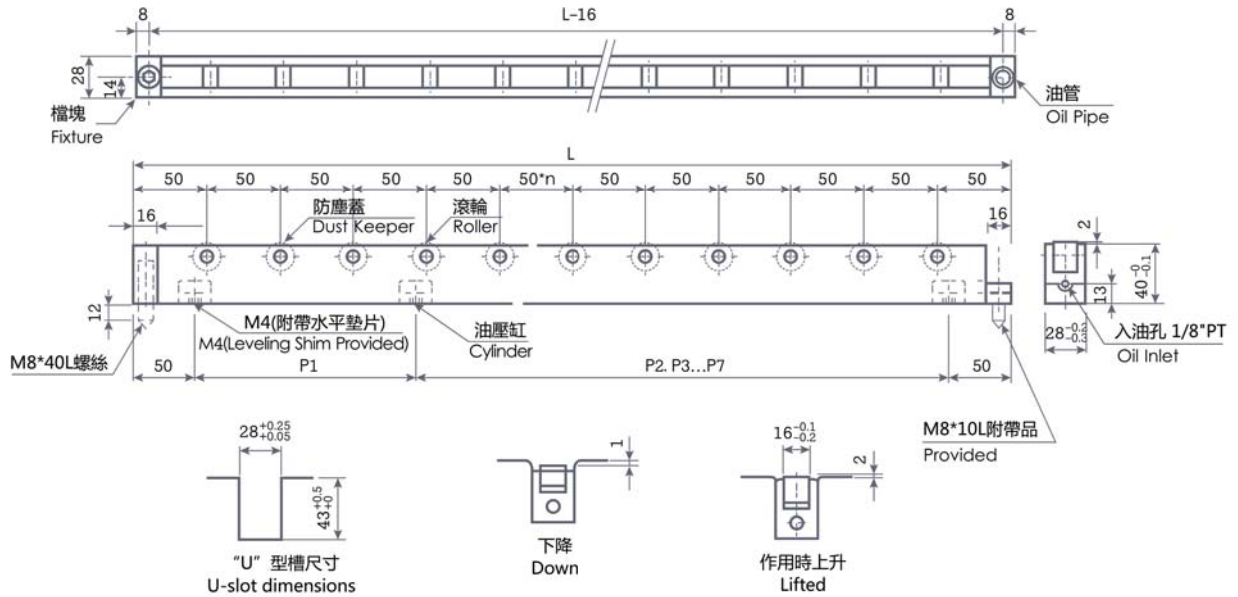
SUNZUANT Q.D.C.S. DL DIE LIFTER (ROLLER TYPE)

DL型油壓式舉模器以油壓方式舉模，有強力舉模能力適合模具重量變化差異大時使用。

The hydraulic DL DIE LIFTER withstands heavy load weights and abuse. The scrap guard/scrapers keep the roller surfaces free from scraps. The rollers are arrayed in closer pitches to prevent damage to the bottom of heavy dies.

The height of the roller can be adjusted by removing some of the built-in shims with different thicknesses.

◎ DL-28 / Model



規格(Model)	長度(L) Overall	滾輪數 Roller O'ty	載模能力(kgf) Load Cap		油壓缸(kg) Lift Cylinder		油壓缸距離(mm) Lift Cylinder Pitch						
			SS41	S45C	丁數Pcs	舉模力(kgf) Lift Cylinder	P1	P2	P3	P4	P5	P6	P7
DL28-400	400	7	640	1120	2	1000	300						
DL28-500	500	9	720	1260	3	1500	90	310					
DL28-600	600	11	800	1400	4	2000	100	340	60				
DL28-700	700	13	880	1540	4	2000	150	350	100				
DL28-800	800	15	960	1680	5	2500	95	95	390	120			
DL28-900	900	17	1040	1820	5	2500	110	110	410	170			
DL28-1000	1000	19	1120	1960	6	3000	130	130	420	110	110		
DL28-1100	1100	21	1200	2110	6	3000	120	120	460	150	150		
DL28-1200	1200	23	1280	2240	7	3500	300	200	200	150	150	100	
DL28-1300	1300	25	1360	2380	7	3500	150	150	300	300	150	150	
DL28-1400	1400	27	1440	2520	8	4000	350	250	200	150	150	100	100
DL28-1500	1500	29	1520	2660	8	4000	350	350	200	150	150	100	100

※ 註：SS41, S45C為模具材質，訂購時，如有下料孔請附台盤藍圖。

SS41, S45C is die material. When you purchase, please attach bolster plate diagram for correct size of waste material hole at the bottom.

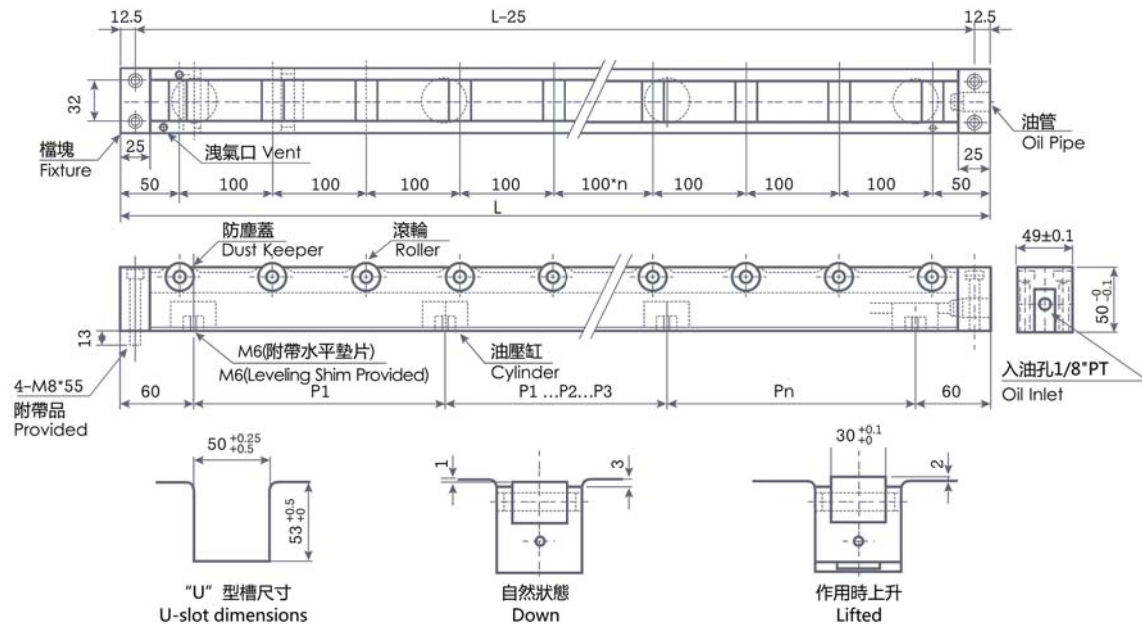
SUNZUANT Q.D.C.S. DL DIE LIFTER(ROLLER TYPE)

DL型油壓式舉模器以油壓方式舉模，有強力舉模能力適合模具重量變化差異大時使用。

The hydraulic DL DIE LIFTER withstands heavy load weights and abuse. The scrap guard/scrapers keep the roller surfaces free from scraps. The rollers are arrayed in closer pitches to prevent damage to the bottom of heavy dies.

The height of the roller can be adjusted by removing some of the built-in shims with different thicknesses.

© DL-50 / Model



規格(Model)	長度(L) Overall	滾輪數 Roller O'ty	載模能力(kgf) Load Cap		油壓缸(kg) Lift Cylinder		油壓缸距離(mm) Lift Cylinder Pitch						
	L		SS41	S45C	丁數Pcs	舉模力(kgf) Lift Cylinder	P1	P2	P3	P4	P5	P6	P7
DL50-400	400	4	1000	1750	2	2200	280						
DL50-500	500	5	1200	2100	2	2200	90	290					
DL50-600	600	6	1400	2450	3	3300	90	330	60				
DL50-700	700	7	1600	2800	3	3300	140	340	100				
DL50-800	800	8	1800	3150	4	4400	170	390	120				
DL50-900	900	9	2000	3500	4	4400	210	400	170				
DL50-1000	1000	10	2200	3850	5	5500	125	125	410	220			
DL50-1100	1100	11	2400	4200	5	5500	150	150	400	380			
DL50-1200	1200	12	2600	4550	5	5500	150	150	400	380			
DL50-1300	1300	13	2800	4900	6	6600	150	150	200	400	280		
DL50-1400	1400	14	3000	5250	6	6600	150	150	200	400	380		
DL50-1500	1500	15	3200	5600	7	7700	150	150	200	300	300	280	
DL50-1600	1600	16	3400	5950	7	7700	100	150	250	400	300	280	
DL50-1700	1700	17	3600	6300	8	8800	100	100	150	250	300	300	380
DL50-1800	1800	18	3800	6650	8	8800	100	100	150	250	300	300	480

※ 註：SS41, S45C為模具材質，訂購時，如有下料孔請附台盤藍圖。

註：SS41, S45C為模鋼材質，訂購時，如有下料請附白藍圖。
SS41, S45C is die material. When you purchase, please attach bolster plate diagram for correct size of waste material hole at the bottom.

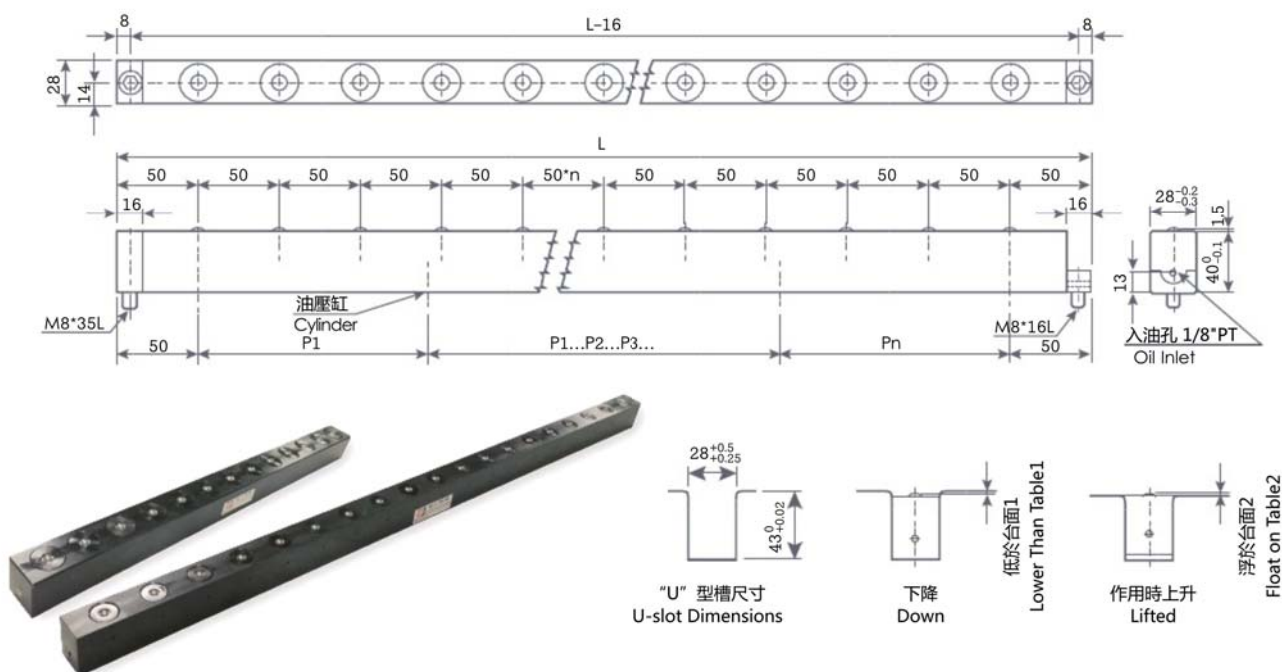
▼ 快速換模系統之DB型油壓式舉模器(滾珠型)

SUNZUANT Q.D.C.S. DB DIE LIFTER (BALL TYPE)

DB型油壓式舉模器利用萬向滾珠的方式，適合前後左右移動模具時使用。

The hydraulic DB DIE LIFTER employs universal bearings for superior forward and reverse, left and right motion of molds in and out of press machines.

◎ DB-28 / Model



規格(Model)	長度(L) Overall	滾珠數 Ball O'ty	油壓缸(kg) Lift Cylinder		油壓缸距離(mm) Lift Cylinder Pitch						
	L		丁數Pcs	舉模力(kgf) Lift Cylinder	P1	P2	P3	P4	P5	P6	P7
DB28-400	400	7	2	1000	300						
DB28-500	500	9	3	1500	90	310					
DB28-600	600	11	4	2000	100	340	60				
DB28-700	700	13	4	2000	150	350	100				
DB28-800	800	15	5	2500	95	95	390	120			
DB28-900	900	17	5	2500	110	110	410	170			
DB28-1000	1000	19	6	3000	130	130	420	110	110		
DB28-1100	1100	21	6	3000	120	120	460	150	150		
DB28-1200	1200	23	7	3500	300	200	200	150	150	100	
DB28-1300	1300	25	7	3500	150	150	300	300	150	150	
DB28-1400	1400	27	8	4000	350	250	200	150	150	100	100
DB28-1500	1500	29	8	4000	350	350	200	150	150	100	100

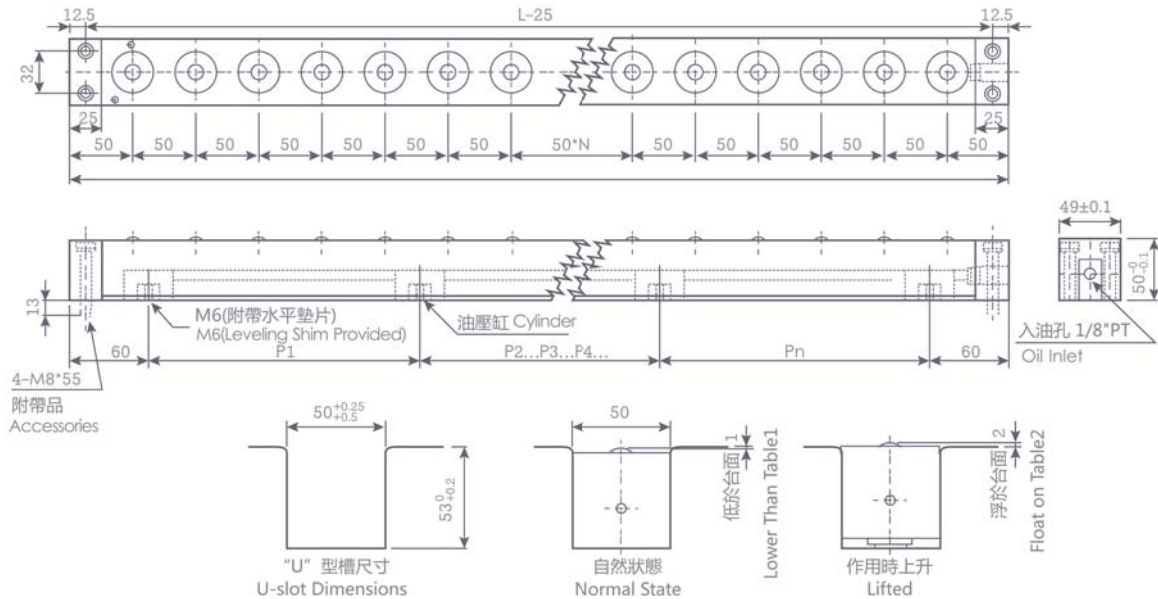
▼ 快速換模系統之DB型油壓式舉模器(滾珠型)

SUNZUANT Q.D.C.S. DB DIE LIFTER (BALL TYPE)

DB型油壓式舉模器利用萬向滾珠的方式，適合前後左右移動模貝時使用。

The hydraulic DB DIE LIFTER employs universal bearings for superior forward and reverse, left and right motion of molds in and out of press machines.

◎ DB-50 / Model



規格(Model)	長度(L) Overall	滾輪數 Roller O'ty	油壓缸(kg)Lift Cylinder		油壓缸距離(mm)Lift Cylinder Pitch						
	L		丁數Pcs	舉模力(kgf) Lift Cylinder	P1	P2	P3	P4	P5	P6	P7
DB50-400	400	7	2	2200	280						
DB50-500	500	9	3	3300	90	290					
DB50-600	600	11	4	4400	90	330	60				
DB50-700	700	13	4	4400	140	340	100				
DB50-800	800	15	4	4400	170	390	120				
DB50-900	900	17	4	4400	210	400	170				
DB50-1000	1000	19	5	5500	125	125	410	220			
DB50-1100	1100	21	5	5500	150	150	400	380			
DB50-1200	1200	23	5	5500	150	150	400	380			
DB50-1300	1300	25	6	6600	150	150	200	400	280		
DB50-1400	1400	27	6	6600	150	150	200	400	380		
DB50-1500	1500	29	7	7700	150	150	200	300	300	280	
DB50-1600	1600	31	7	7700	100	150	250	400	300	280	
DB50-1700	1700	33	8	8800	100	100	150	250	300	300	380
DB50-1800	1800	35	8	8800	100	100	150	250	300	300	480

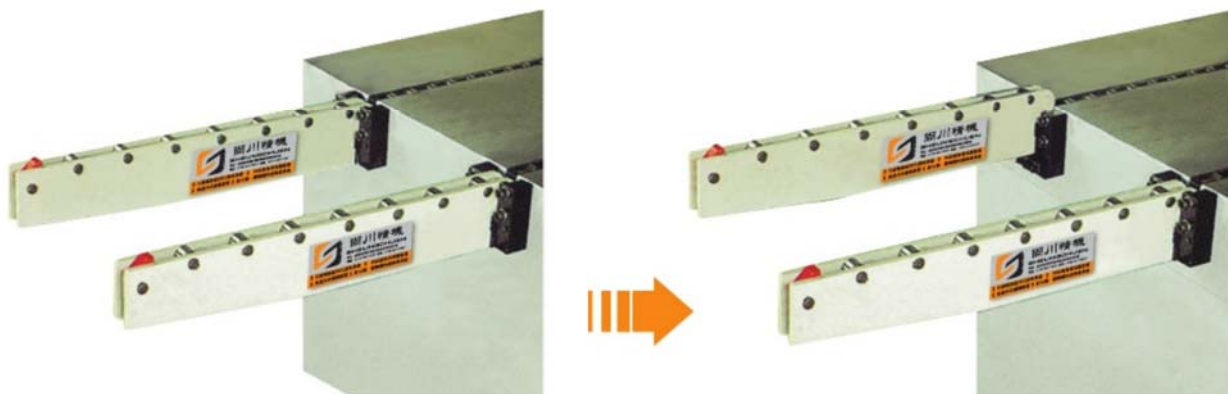
▼ 快速換模系統之RC/RD/RE/RF移模臂

SUNZUANT Q.D.C.S. RC/RD/RE/RF BOLSTER EXTENSIONS SERIES

當您使用起重機或叉架升降機作模具更換時，為了方便快捷，我們提供了三種不同型式的移模設計，包括RC(移動式),RD(折下式)與RE/RF(旋轉式)系列，供用戶使用，可以使模具更容易的移到沖床台盤確定位置。

The bolster extension makes it easy to move the dies to an accessible area of the press for convenient die changing with a crane or forklift truck. Available in three different designs: detachable RC series, drop-down RD series (alternate model), and folding RE/RF series.

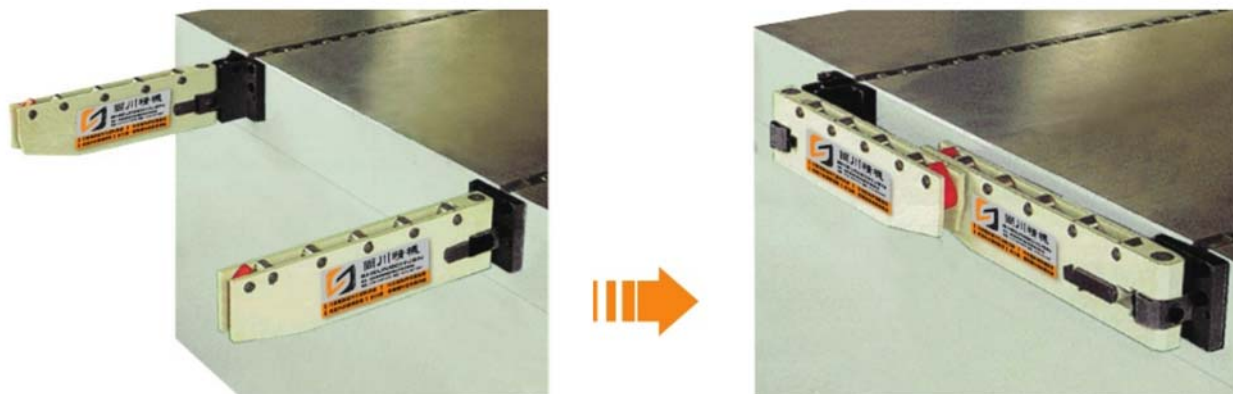
◎ RC系列 / RC Series



◎ RD系列 / RD Series

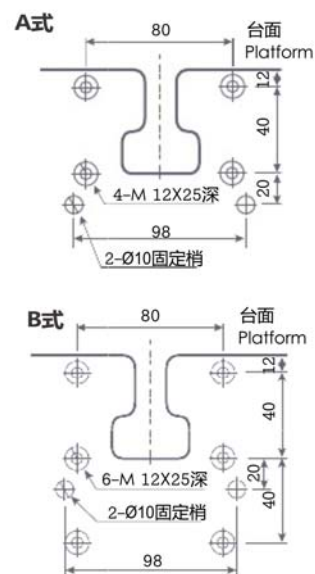


◎ RE/RF系列 / RE/RF Series



SUNZUANT Q.D.C.S. RC BOLSTER EXTENSIONS SERIES

◎ 安裝型式及鑽孔尺寸



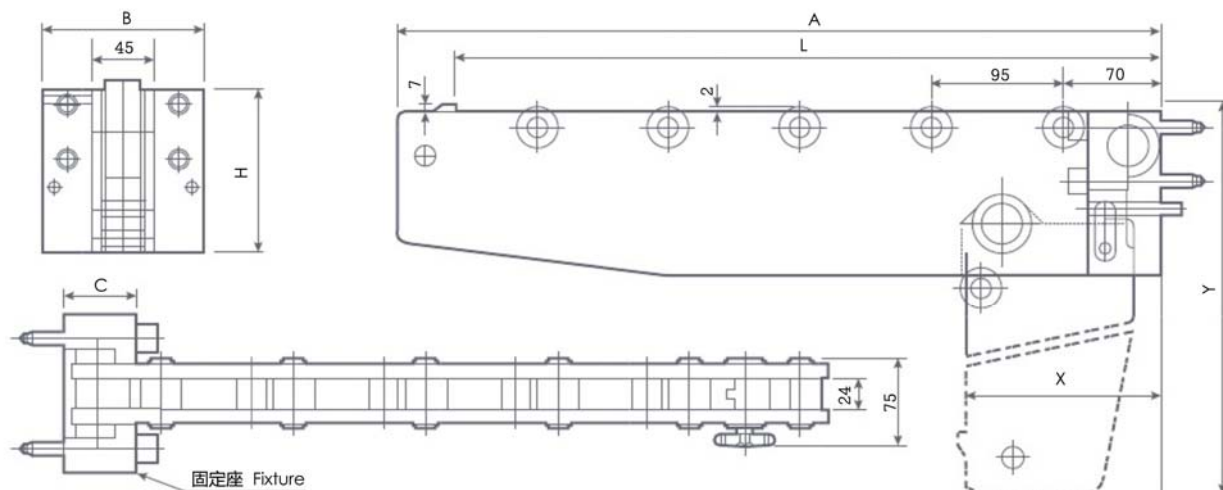
規格(Model)	模具引出長 Die Travel L	最大荷重(kg) Max. Load	全長Overall Length A	固定座 Fixture			個 / 支 Roll	安裝尺寸 Install	固定座形式 Fixture Model
				B	C	H			
RC-500-800	500	800	550	115	45	120	5	A式	RC-120
RC-500-1250	500	1250	550			160			RC-160
RC-500-1600	500	1600	550			50		200	B式
RC-700-600	700	600	750		45	120	7	A式	RC-120
RC-700-1000	700	1000	750			160			RC-160
RC-800-800	800	800	850			160			8
RC-800-1600	800	1600	850		50	200	RC-240		
RC-800-2000	800	2000	850			240	RC-200		
RC-900-900	900	900	950		50	200	10	A式	RC-200
RC-1000-1600	1000	1600	1050						
RC-1200-2500	1200	2500	1250						
RC-1300-2500	1300	2500	1350		45	120	12	A式	RC-120
RC-1500-2500	1500	2500	1550				13		
RC-1600-2500	1600	2500	1650				15		
RC-1700-2500	1700	2500	1750				16		
						17			

※註：尺寸超出1000mm須加調整腳座 It needs to add an upholder, If die travels over 1000mm.

▼ 快速換模系統之RD/RE移模臂

SUNZUANT Q.D.C.S. RD/RE BOLSTER EXTENSIONS SERIES

◎ RD型(折下式) / Drop-down Rd Series

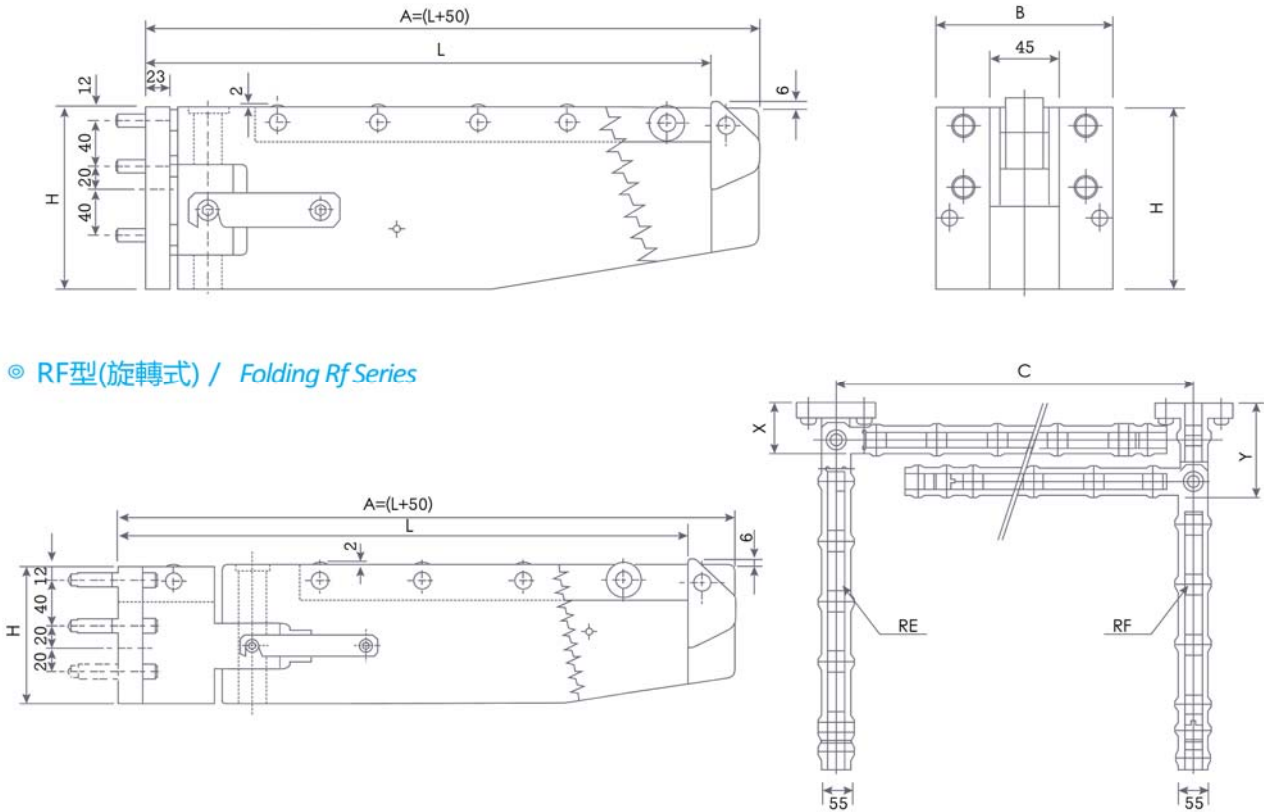


規格(Model)	模具引出長 Die Travel L	最大荷重(kg) Max. Load	全長Overall Length A	固定座 Fixture			個 / 支 Roll	安裝尺寸 Install	折下時尺寸 DROP-DOWN	
				B	C	H			X	Y
RD-500-800	500	800	550	115	52	120	5	A式	140	620
RD-500-1250	500	1250	550			160			180	660
RD-500-1600	500	1600	550			200	B式	220	700	
RD-700-600	700	600	750			120	7	A式	140	820
RD-800-800	800	800	850			160	8		180	960
RD-800-2000	800	2000	850			240		B式	260	1040
RD-900-900	900	900	950			200	9		220	1100
RD-1000-1600	1000	1600	1050				10			1200

快速換模系統之RE/RF移模臂

SUNZUANT Q.D.C.S. RE/RF BOLSTER EXTENSIONS SERIES

RE型(旋轉式) / Folding Re Series

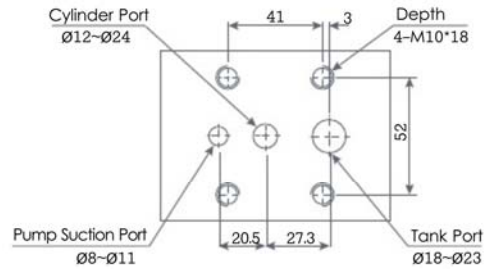


規格(Model)	模具引出長 Die Travel L	最大荷重(kg) Max. Load	全長Overall Length A	固定座 Fixture			個 / 支 Roll	安裝尺寸 Install	折下時尺寸 DROP-DOWN	
				B	C	H			X	Y
RE.RF-500-800	500	800	550	115	525	120	5	A式	90	150
RE.RF-500-1250	500	1250	550		525	160				
RE.RF-700-600	700	600	750		725	120	7			
RE.RF-800-800	800	800	850		825	160	8	B式		
RE.RF-500-1600	500	1600	550		525	200	5			
RE.RF-900-900	900	900	950		925		9			

▼ 超負荷保護裝置之超負荷泵浦

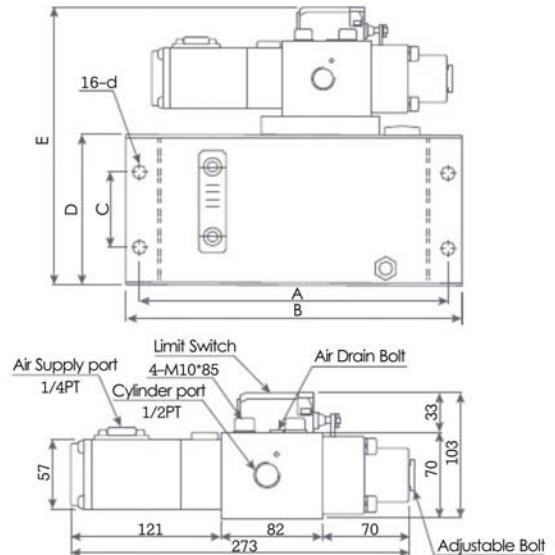
SUNZUANT Q.D.C.S. OVERLOAD PUMP

除換模系統產品之外，SUNZUANT還提供了寬廣適用範圍的空間油壓組件新設備，這些包括可供塑料射出模具用途，以及工件夾具系統使用的套件等。下圖示中的產品說明，若對您的生產機器有所效用，請與我們聯絡進一步了解。Besides die change systems **SUNZUANT** offers a wide range of hydraulic and pneumatic controlled components and equipment for plastic injection molds and workpiece clamping systems for machine tools. The components shown below represent just a selection of what we have available. For related brochures and further details, don't hesitate to contact us.



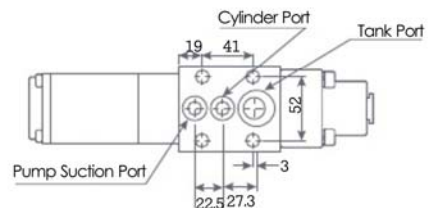
型式選用：○ 1 2 3 - 4 5 6 7

1 控制方式	A: 氣壓式 S: 彈簧式			
2 適用沖床噸數	200噸以下	>06: 微小型 >08: 標準型 >10: 大流量型		
	200~600噸	>12: 標準型		
3 泵浦吐出壓力倍數	Model	06	08	10
	None or A	22	22	22
	M	35	32	32
4 超負荷壓力倍數	5: x 50倍 7: x 70倍 9: x 90倍			
5 微動開關	2: NO type 6: NC type			
6 油箱容量	0: None			
	1: 1.2L	3: 4L	5: 8L	8: 12L
7 超負荷壓力設定值(Kgf/cm ²)	OA型: 無須設定 OS型: ex. 3 0 0 is 300Kgf/cm ²			



泵浦選用及安裝尺寸表 / Installation Dimensions

型式 MODEL	A	B	C	D	E	d	VOLUME
○□□□-□□1	206	230	50	100	226	Ø11	1.2L
○□□□-□□3	285	310	80	150	276	Ø13	4.0L
○□□□-□□5	355	380	130	200	326	Ø13	8.0L



規格(Model)	洩放流量 Releasing Flow Rate	製流孔面積 Area Of Orifice	超負荷壓力設定範圍 Pressure Setting Range	壓力設定方式 Pressure Setting	適用空氣壓力 Air Supply
OS06-7□0	13000 cm ² /sec	0.5 cm ²	250~400 Kgf/cm ²	彈簧式設定 Spring Adjust	3~5 Kgf/cm ²
OS06-9□0	11500 cm ² /sec	0.4 cm ²	270~450 Kgf/cm ²		
OS08-5□0	15500 cm ² /sec	0.7 cm ²	150~250 Kgf/cm ²		
OS08-7□0	13000 cm ² /sec	0.5 cm ²	210~400 Kgf/cm ²		
OS08-9□0	11500 cm ² /sec	0.4 cm ²	270~450 Kgf/cm ²		
OS10-7□0	18000 cm ² /sec	0.7 cm ²	210~335 Kgf/cm ²		
OS10-9□0	14500 cm ² /sec	0.5 cm ²	270~450 Kgf/cm ²		

※ 1. 適用沖床: 200噸(含)以下 Suitable for press tons: 200 tons & down. 2. 使用液壓油: ISO-VG-32或同等效油品 Hydraulic Oil: ISO-VG-32 or equivalent

▼ 快速換模系統之滑塊鎖固器

SUNZUANT Q.D.C.S. SLIDE LOCK



MODEL SELECTION 型式選定

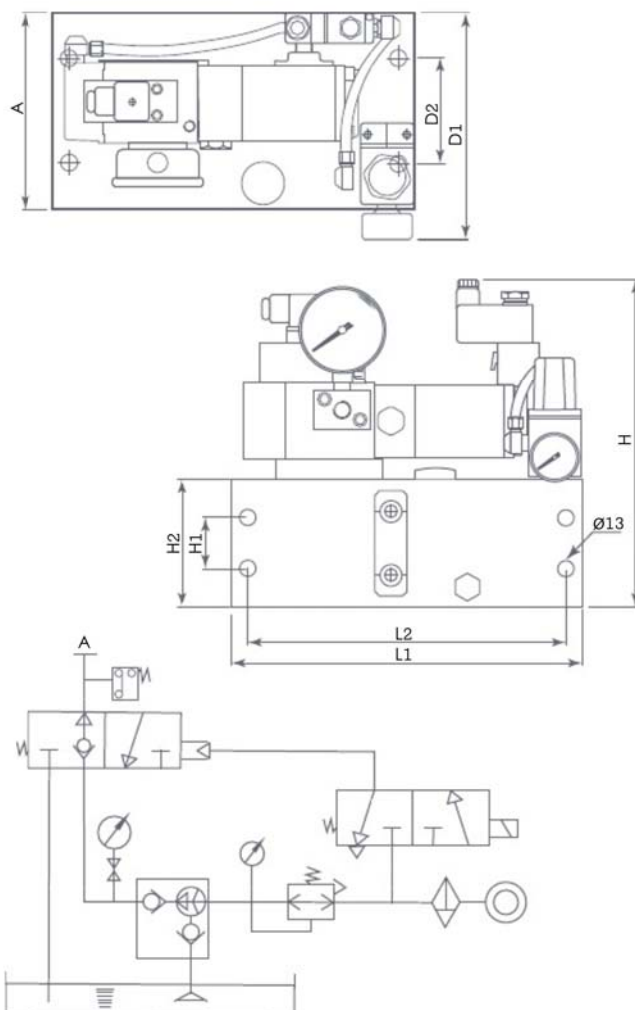
氣動油壓單元規格		
型式 MODEL	吐出壓力(5kg氣壓時) HYDRAULIC PRESSURE	流量 FLOW
SLP6306	420 Kg/cm ²	450 cc/min
SLP6307	300 Kg/cm ²	600 cc/min
SLP6308	250 Kg/cm ²	700 cc/min
SLP6309	200 Kg/cm ²	900 cc/min
SLP6310	150 Kg/cm ²	1100 cc/min
SLP6312	100 Kg/cm ²	1700 cc/min

配件加裝 O: NONE R:洩壓閥

電壓指定 1: 110V 2: 220V 3: DC24

型式 MODEL	L1	L2	H	H1	H2	D1	D2	A
SLP63	275	250	260	40	100	200	80	150

◎ 滑塊鎖固器 / Slide Lock

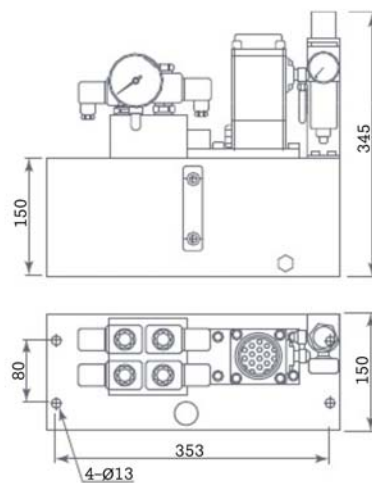


MODEL SELECTION 型式選定

電壓指定 1: 110V 2: 220V 3: DC24

SP63□□-2V

◎ 送料架專用油壓單元 / Feed Special-purpose Hydraulic Unit



▼ 快速換模系統之相關零件

SUNZUANT Q.D.C.S. RELATED PRODUCTS FOR PRESS MACHINE USE

◎ 氣動泵單體 / Air Pump



	空氣壓力5kg/cm ² 時出力 (AIR AT 5kg/cm ²)	增壓比
06	420 (kg/cm ²)	1:84
07	300 (kg/cm ²)	1:60
08	250 (kg/cm ²)	1:50
09	200 (kg/cm ²)	1:40
10	150 (kg/cm ²)	1:30

	空氣壓力5kg/cm ² 時出力 (AIR AT 5kg/cm ²)	增壓比
12	100 (kg/cm ²)	1:20
14	80 (kg/cm ²)	1:16
16	50 (kg/cm ²)	1:10
20	40 (kg/cm ²)	1:8
24	26 (kg/cm ²)	1:5

◎ AV氣控閥 / Air Control Valve



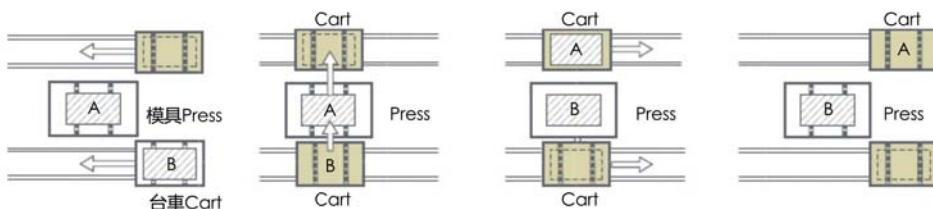
◎ 回轉接頭 / Rotary Unit



◎ 換模臺車系統 / Examples of Die Cart System

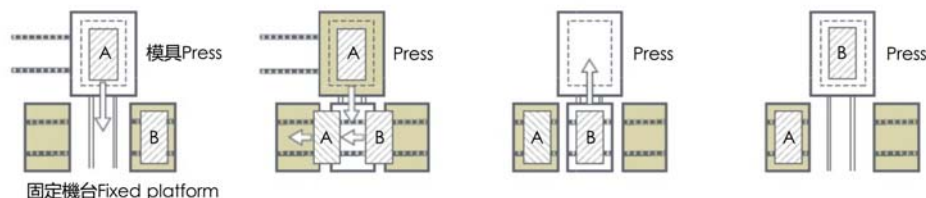
Simultaneous 2-dies change operation using two carts. The shortest die change time is achieved.

搭配台車，兩副模同時換模。節省換模時間。



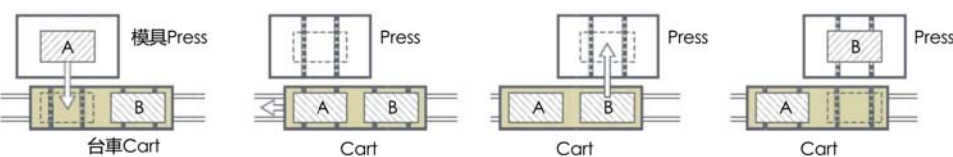
Die change operation using a moving bolster and two stationary tables. Low cost type.

搭配移模和兩組固定台車進行換模，此為低成本型。



Die change operation using a powered 2-dies cart. The widest application is possible.

動力變模台車換模，適用範圍極廣。





▲ 单工位前方进模 (华科大实拍)

- ◎ 自动与手动模式
- ◎ 滚轮式平台荷重力高，模具移动摩擦力低
- ◎ 引导柱、蜂鸣器与警示灯，提供安全操作环境
- ◎ 台车可组装于冲床任何一方，以适应各种作业
- ◎ 伸缩式渡桥取代较占空间的举模臂或换模过渡平台，以方便冲床作业

- ◎ Auto & manual mode.
- ◎ High capacity roller with low friction mold transfer.
- ◎ Guide pillar, buzzer and alarm lamp for safety operation.
- ◎ Cart can be installed in any side of the press to fit any possible workshop layout.
- ◎ Using extension loop roller for better access to the press and also saving more space.

◎ 机械特性 / Mechanical Characteristics

- ◎ 油压动力控制
 - ◎ 台车与推模器附定位检知以精准定位
 - ◎ 轨道式移动设计
 - ◎ 台车移动由AC减速马达附变频器
 - ◎ 推模器伸缩由AC减速马达附变频器
-
- ◎ Fully hydraulic power control.
 - ◎ Cart and push-pull system are equipped with detecting device for exact positioning.
 - ◎ Dedicated rail cart design.
 - ◎ Cart travel is driven by AC reducer motor with inverter.
 - ◎ Push-pull system is driven by AC reducer motor with inverter.



▲ 双工位侧面进模 (湖北美的实拍)



▲ 双工位三机连线侧面进模（安徽美的实拍）

◎ 尚川快速换模台车 / Sunzuant Q.M.E.C.

尚川快速换模台车适用于换模频率高的生产类型，可大幅增加生产效率，快速准确完成换模作业，低预算与安全作业环境。尚川快速换模也可针对各种不同冲床作业系统提供专业定制设计。

SUNZUANT Quick mold exchange carts designed for the production that required high frequency of mold exchange. It helps to maximize productivity, fast transferring and accurate positioning and safer and easier operation. In addition, SUNZUANT provides customize design to accommodate many possible applications of press working environment.



▲ 双工位前方进模（上海明芳实拍）



▲ 双工位六机连线侧面进模（上海云飞实拍）

◎ 企业技术标志 / Enterprise technical sign

由于产品品种的增多，使模具在生产中更换变得异常频繁，迫使企业缩短设备的停机时间，提高生产效率，于是快速换模系统受到了人们的高度关注。目前发达工业国家的企业换模速度达到了惊人的程度，是否具有快速换模设备已成为企业技术进步的一项重要标志。

Due to the increasing variety of products, so that the mold in the production of frequent replacement, forcing enterprises to reduce equipment downtime, improve production efficiency, So the rapid die change system has been highly concerned by people. At present, the enterprises in developed industrial countries have reached an alarming degree, With the rapid die changing equipment has become an important symbol of enterprise technological progress



▲ 三工位侧面进模（江苏欧拓实拍）



東莞市尚川精密機械有限公司

廣東省東莞市寮步鎮石龍坑崗頭大富地工業區

電話：0769-8938 4111 傳真：0769-8938 4311

售前郵箱：service01@sunchina168.cn

售後郵箱：service02@sunchina168.cn

網址：<http://www.sunchina168.cn>