PC 板沖孔脫料系統

King Air Piercing System

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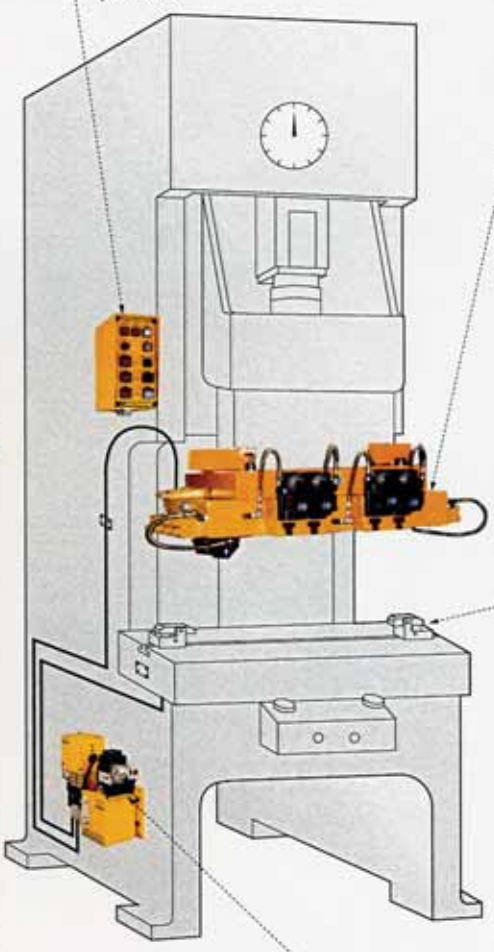
PC Board Punching Removal System

Control Panel

- The power switch is equipped with a key. After positioning and clamping the mould, the key can be withdrawn to ensure safety of punching and removing.
- There is a signal indicator on the mould clamping system for easy maintenance.
- Lids are installed for all buttons/switches to prevent mis-operation.
- A safe circuit is formed through connecting to the punching electric control unit, which maintains the safety of operator during punching process.

Press Buffering Valve for Removal

- Provide stable and exact press while PC board is in the process of punching.
- Reduce removal impact for PC board and protect mould.



High Quality Removal / Unloading Plate

- The removal plate is precisely processed, ground and heat treated in a special way that it becomes punching resistant and durable operation.
- High pressure resistant & friction resistant special oil seal is applied to the inside of the removal plate. Hydraulic oil won't leak and maintenance is easy even after a long period of operation.

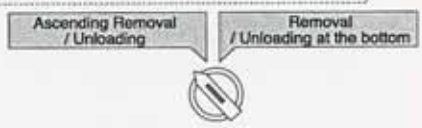
Press Force : Pressure Adjustment
Removal Force : Pressure Adjustment

- The pressure gauge is highly precise, oil filling and has a long operation life.
- The pneumatic reduction valve can be adjusted easily with precise pressure.
- While adjusting the pneumatic reduction valve, the clockwise direction increases pressure; whereas, the counterclockwise direction decreases pressure.
- While adjusting the pneumatic reduction valve, pull the adjustment button outward first, adjust to required pressure and then push it inward until it is locked.

Oil Press Mould Clamp

- Lever structure with exact clamping force.
- Special processed with high precision and durability.
- It is high pressure resistant, oil sealed and won't leak even after a long period of operation.

Two Removal / Unloading Alternatives



- The selector is equipped with a key. After choosing, the key can be withdrawn to ensure the safety of punching and removing/unloading.
- Ascending removal means removal is in process while the punch slide is ascending after the PC board punches.
- Removal at the bottom means the PC board is unloaded at the lower mould directly after the PC board punches.

Inlet of Electric Wires

Inlet of Air Pressure

Pneumatic Driven & Oil Pressed Power Plant

- The pneumatic driven and oil pressed structure is free of the misgiving of rising oil temperature. It is automatically stopped after reaching to the set pressure and can maintain stable pressure to save power.
- The oil pressed control valve is non-leak structured, which keeps the oil pressure stable for a long period of time and is tremendously safe.

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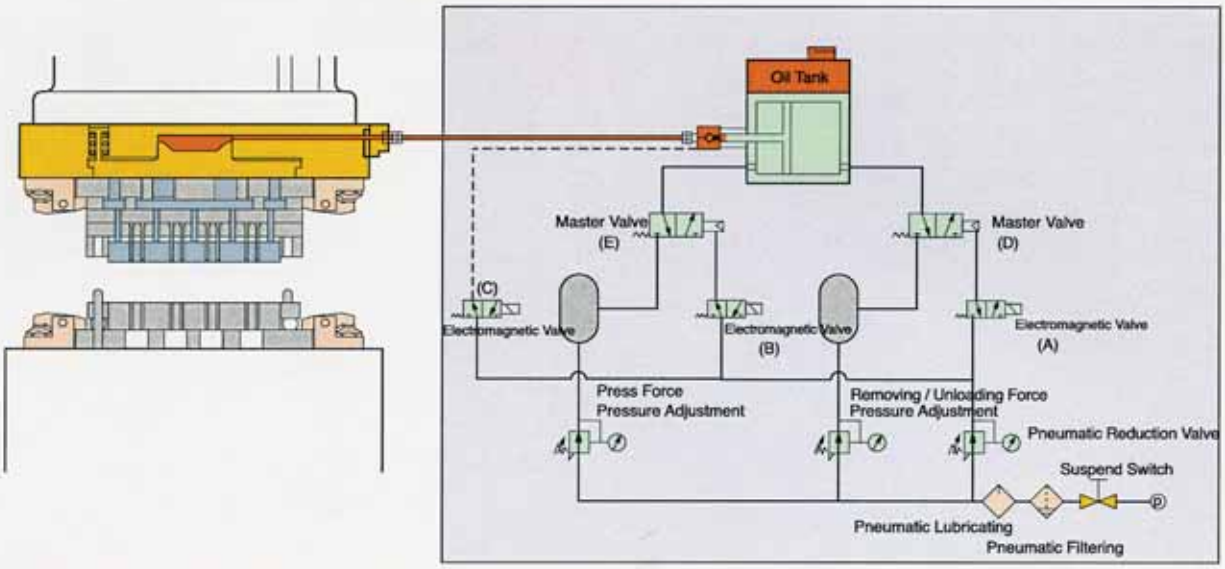
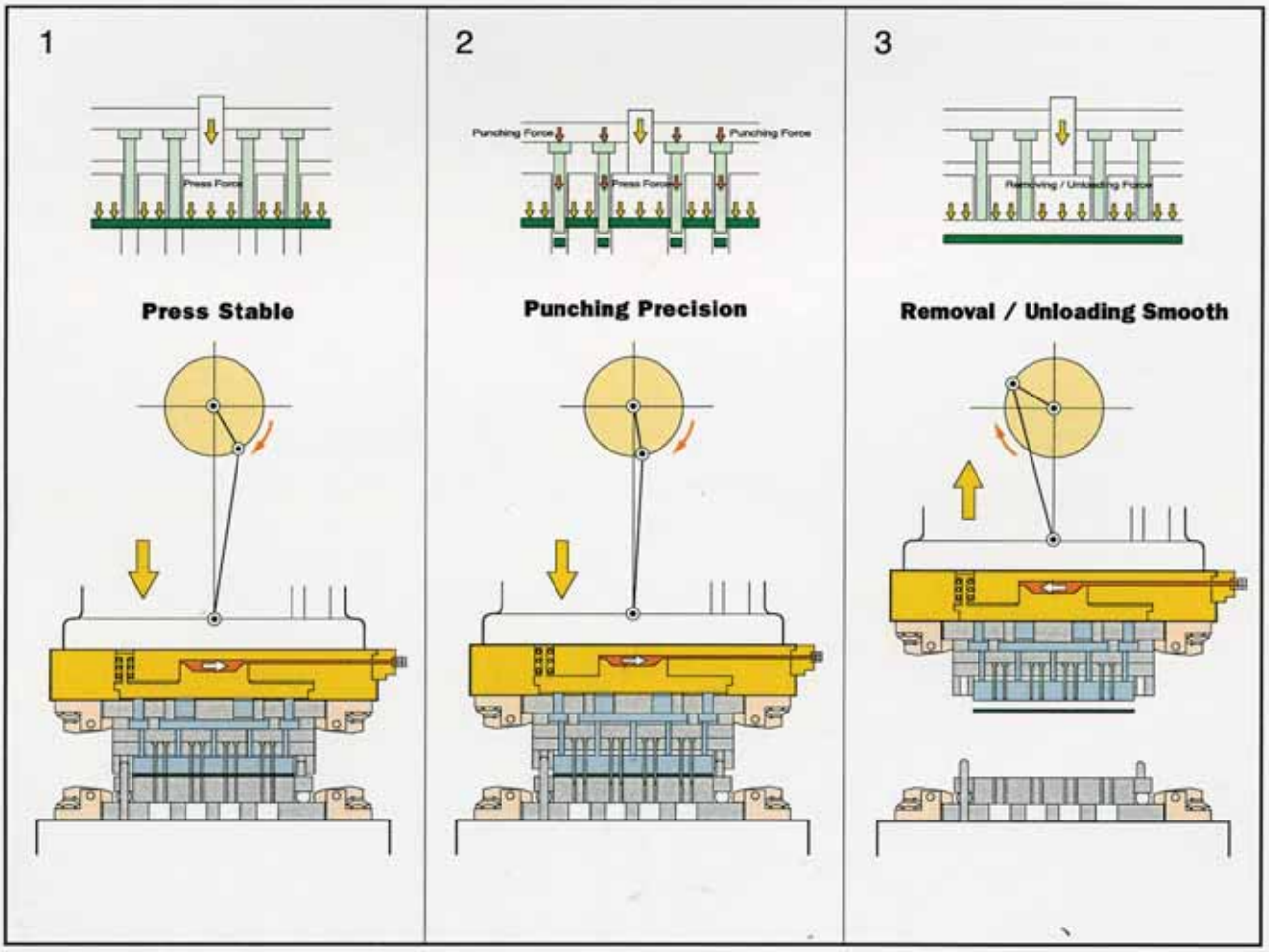
Pneumatic Loop & Its Function





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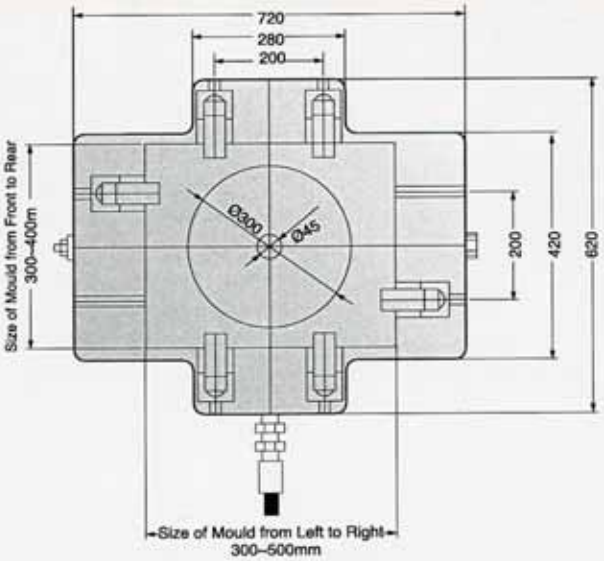
Models & Dimensions

Model: KP-2

Descriptions of Accessories

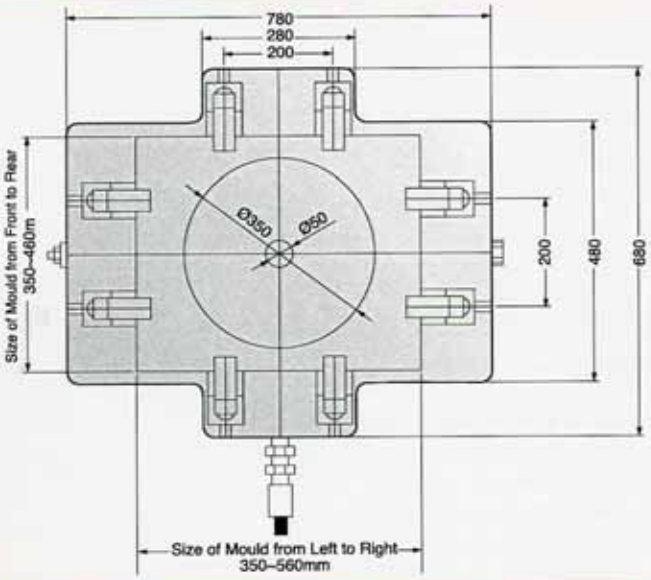
Applicable Punch	45-80tons
Removal / Unloading Capacity	22.4tonf (MAX.)
Press Capacity	12.0tonf (MAX.)
Removal / Unloading Stroke	5mm
Width of Removal Plate	100mm
Weight of Removal Plate	300kg
Upper Mould Clamp	(TB-04)x6 支
Lower Mould Clamp	(TB-04)x2 支



Model: KP-3

Descriptions of Accessories

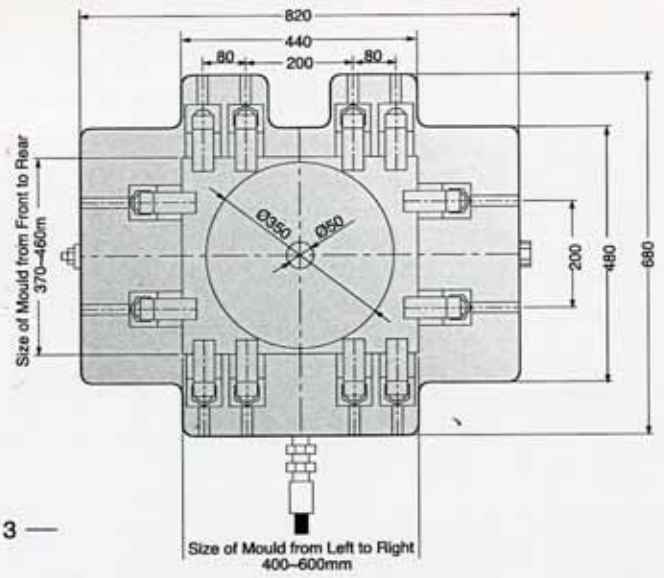
Applicable Punch	80-110tons
Removal / Unloading Capacity	31.5tonf (MAX.)
Press Capacity	16.0tonf (MAX.)
Removal / Unloading Stroke	5mm
Width of Removal Plate	110mm
Weight of Removal Plate	400kg
Upper Mould Clamp	(TB-04)x8 支
Lower Mould Clamp	(TB-04)x2 支



Model: KP-5

Descriptions of Accessories

Applicable Punch	110-160tons
Removal / Unloading Capacity	45.0tonf (MAX.)
Press Capacity	22.5tonf (MAX.)
Removal / Unloading Stroke	5mm
Width of Removal Plate	110mm
Weight of Removal Plate	450kg
Upper Mould Clamp	(TB-04)x12 支
Lower Mould Clamp	(TB-04)x2 支



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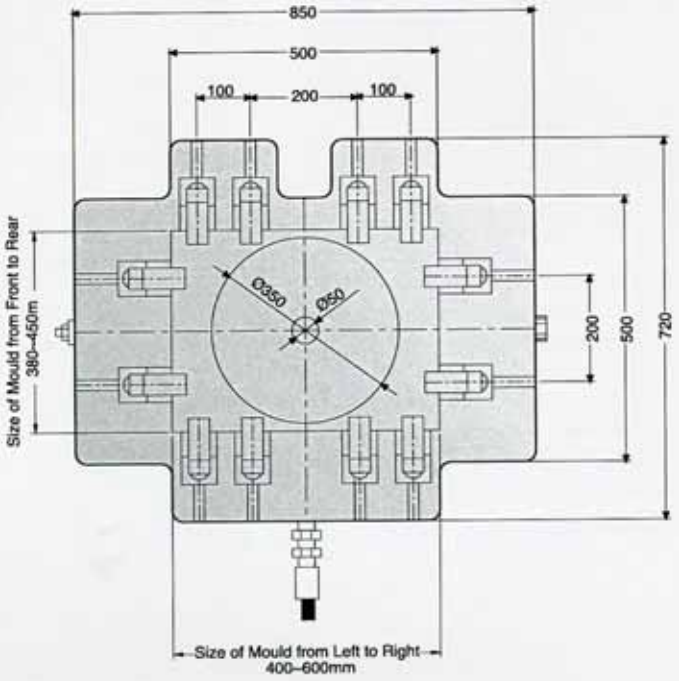
Models & Dimensions

Model: KP-7

Descriptions of Accessories

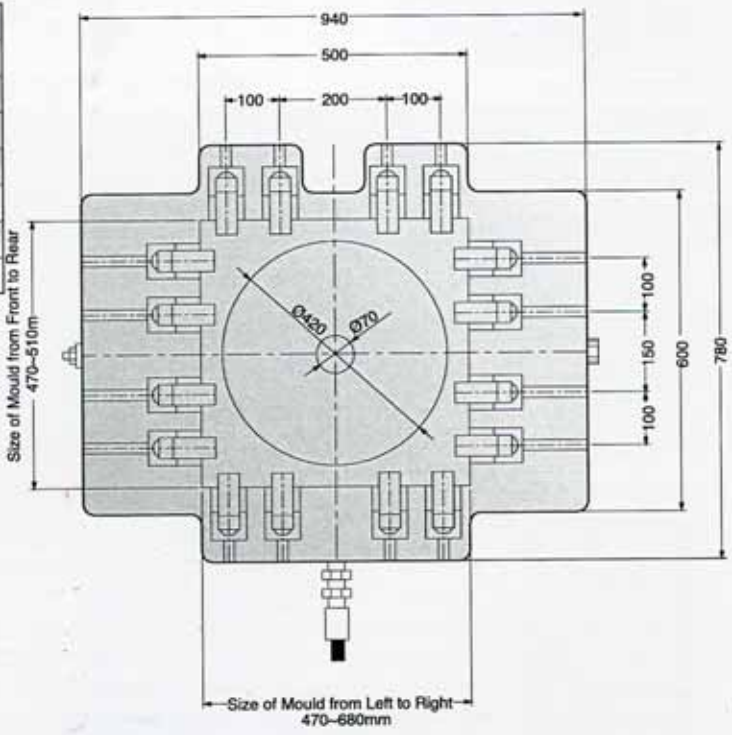
Applicable Punch	160-250tons
Removal / Unloading Capacity	63.0tonf (MAX.)
Press Capacity	31.5tonf (MAX.)
Removal / Unloading Stroke	6mm
Width of Removal Plate	140mm
Weight of Removal Plate	680kg
Upper Mould Clamp	(TB-06)x12 支
Lower Mould Clamp	(TB-06)x2 支



Model: KP-10

Descriptions of Accessories

Applicable Punch	250-420tons
Removal / Unloading Capacity	100tonf (MAX.)
Press Capacity	50tonf (MAX.)
Removal / Unloading Stroke	7mm
Width of Removal Plate	150mm
Weight of Removal Plate	880kg
Upper Mould Clamp	(TB-06)x16 支
Lower Mould Clamp	(TB-06)x4 支



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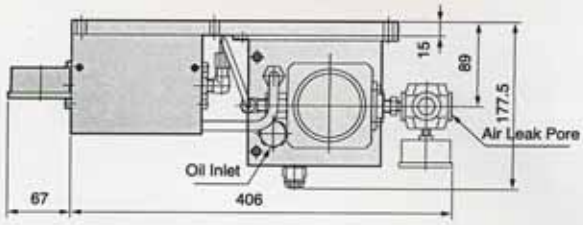
Mould Clamping Power, Clamp & Control Panel

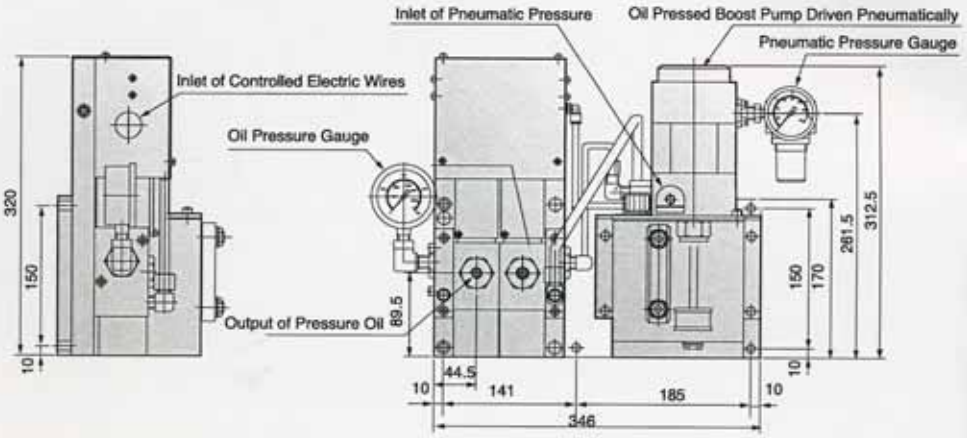
Model: BPT-62-EE-1

Mould Clamping Power:

- The mould clamping power is actuated through the oil pressed boost pump driven pneumatically and stopped after reaching to the set pressure. In addition, it can keep stable output pressure to save power.
- The oil pressed control valve is non-leak structured, which not only can maintain the pressure of clamping mould, but also is highly secured.

Dimensions:

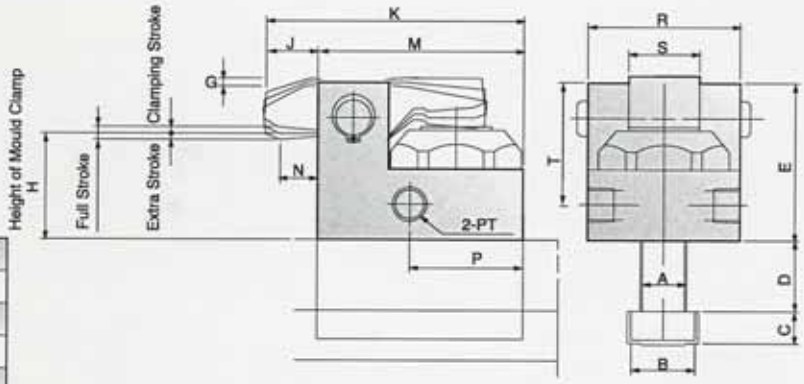




Model: TB 系列

Mould Clamp:

Dimensions:



Specifications:

Model	TB-04	TB-06
Tightening Force	4	6
Full Stroke	7	8
Clamping Stroke	4	4
Extra Stroke	3	4
Oil Amount of Full Stroke	12	22

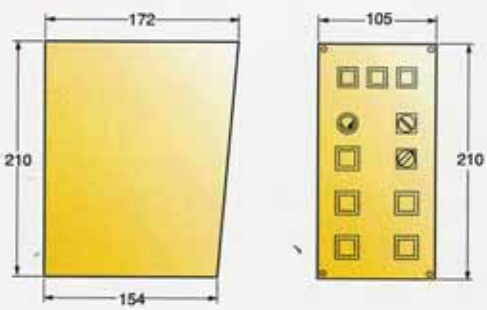
Model No.	MIN.E	R	S	J	M	K	MAX.G	N	P	T	PT	MIN.C	MAX.H
TB-04	69	73	40	23	106	129	7	16	52	57	1/4	12	50
TB-06	82	93	50	30	131	161	8	20	60	70	1/4	14	60

Model: EC-12

Control Panel:

- The power switch is equipped with a key. After fixing and tightening the mould, the key can be withdrawn to ensure the safety of punching and removing process.
- Light indicators are equipped on the mould clamping system for the access of maintenance. Protective lids are installed on buttons / switches to avoid mistaken operation.
- Connecting with the punch electric control unit constitutes a safety loop, which can promote safety of operator during punching process.

Dimensions:



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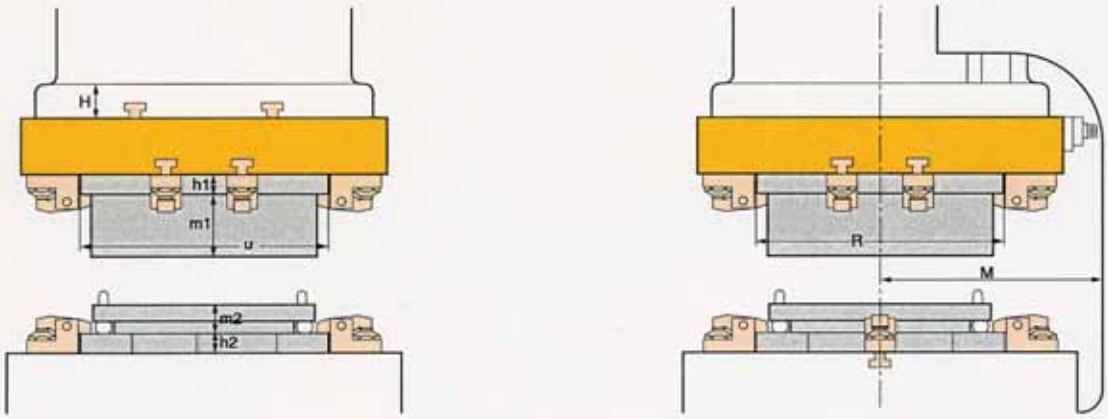
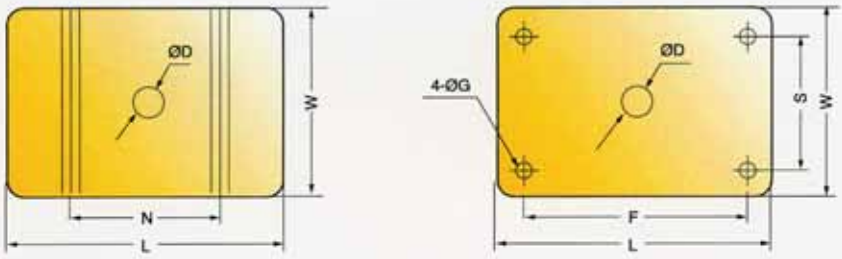
Related Data & Dimensions

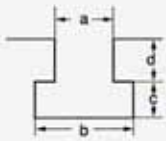
Punch/Punching Machine & Mould



Slide Bottom



Slide & T-shape Groove on the Platform



Please provide the following relevant information and dimensions

Punch Manufacturer					
Punching Capacity		Ton			
Punching Stroke		mm			
Adjustment Value of Punch Slide		mm			
Pneumatic Cylinder Capacity of Punch Slide in Balance		kg			
Distance between the Center of Punch Platform and the Machine	M	mm			
Slide Bottom	L	W	N	ØD	(mm)
T-shape Groove on the bottom of the slide	a	b	c	d	(mm)
Fixed Hole on the bottom of the slide	F	s	H	ØG	(mm)
T-shape Groove on the Platform	a	b	c	d	(mm)
Height of the Mould	h1	m1	h2	m2	(mm)
Length of the Mould from Left to Right	U	MIN.	MAX.		(mm)
Depth of the Mould from Front to Rear	R	MIN.	MAX.		(mm)
Maximum Weight of the Mould		kg			