

HEIGHT ADJUSTMENT FREE TOOL

When using a forming tool with a turret punch press, usually, tool height adjustment is required at the tool or machine side according to the shut height of the press machine. This time, we summarized the "Height adjustment free tool" that does not require adjustment.

No need height adjustment!

There is no need to adjust the height of the tool when the material thickness changes or the machine changes.

Height adjustment free half punch tool

The height adjustment free tool is formed by the compression repulsion force of the spring, and the spring shrinks and absorbs the stroke portion after the predetermined formed shape is obtained, so even if the work (plate thickness) changes, Punch length adjustment (height adjustment) becomes unnecessary.

Forming shape

[FORMING UP]



[FORMING DOWN]



Specifications

- For Material thickness $T = 0.8 \sim 1.6$ and $T = 1.6 \sim 2.3$ are available.
- The forming height is constant.

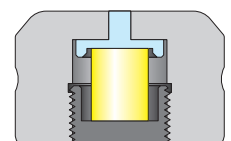
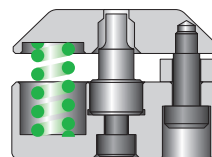
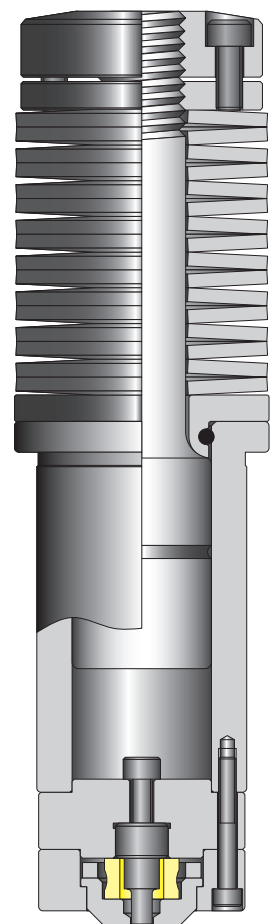
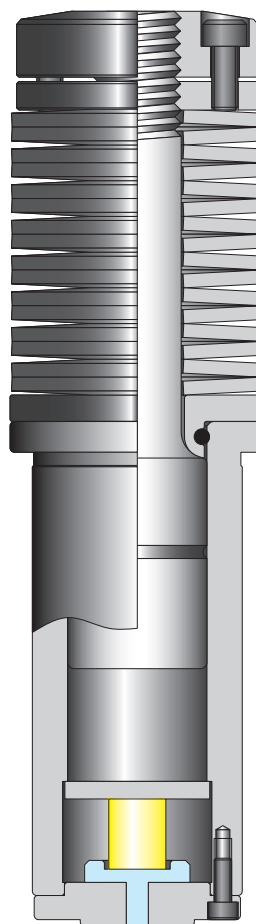
Availability of station size

Thick Turret	1/2"(A) or 1-1/4"(B)
Thin Turret	1-1/4"(B)
MURATA TYPE	C or D

TOOLING STRUCTURE (NC 1-1/4)

FORMING UP

FORMING DOWN



HEIGHT ADJUSTMENT FREE TOOL



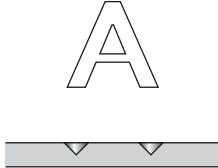

The "HEIGHT ADJUSTMENT FREE TOOL" has the following advantages because it is not necessary to replace or adjust the tool by changing the material thickness.

- The number of tool replacements is reduced and productivity is improved.
- It is also possible at night unattended operation with material thickness change.
- The process can be started simply by setting the tool in the turret punch press machine, so it is easy to change the set-up.

In order to form by compression repulsive force of the spring, a station bigger by one size may be required depending on the material thickness and the shape or size.
(Please contact us for more information.)

VARIOUS KINDS OF HEIGHT ADJUSTMENT FREE TOOL

In addition to the half punch, there are the following types of the height adjustment free tool.



Center point	Emboss (Dimple)	Marking	Chamfering
			

Other processing shapes can also be produced. Please ask our tool sales desk.

PRESSED IN ONE HIT USING SPRING PRESSURE

Tools that use the force of a spring can be processed in one hit, such as embossing and punching, and embossing and burring.

※Please contact us about details.

Emboss & Pierce in one hit	Emboss & Burring in one hit
	

NOTE

Since the height adjustment free tool absorbs the difference in shut height with a spring, it can be used even when the bottom dead center position of the machine is unstable.
The spring absorbs the variation of the bottom dead center and a stable formed shape is obtained.

For More information,
please contact
CONIC tool sales desk.

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